



Illustrated Parts Manual

Model
1075

PVC
2011

P/N
31211595

November 1, 2023 - Rev D



EFFECTIVITY PAGE

October 30, 2020 - A - Original Issue of Manual (Edited to B/M 1001236000 Rev N)

May 1, 2021 - B - Manual Revised (Edited to B/M 1001236000 Rev P)

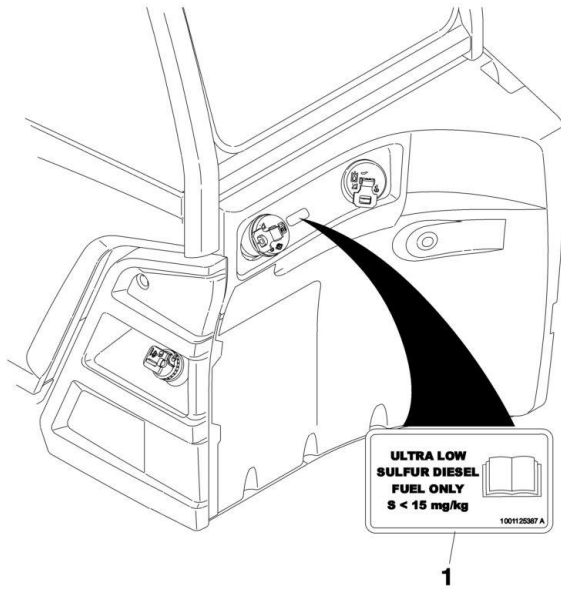
March 31, 2022 - C - Manual Revised (Edited to B/M 1001236000 Rev P)

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Machine Configuration

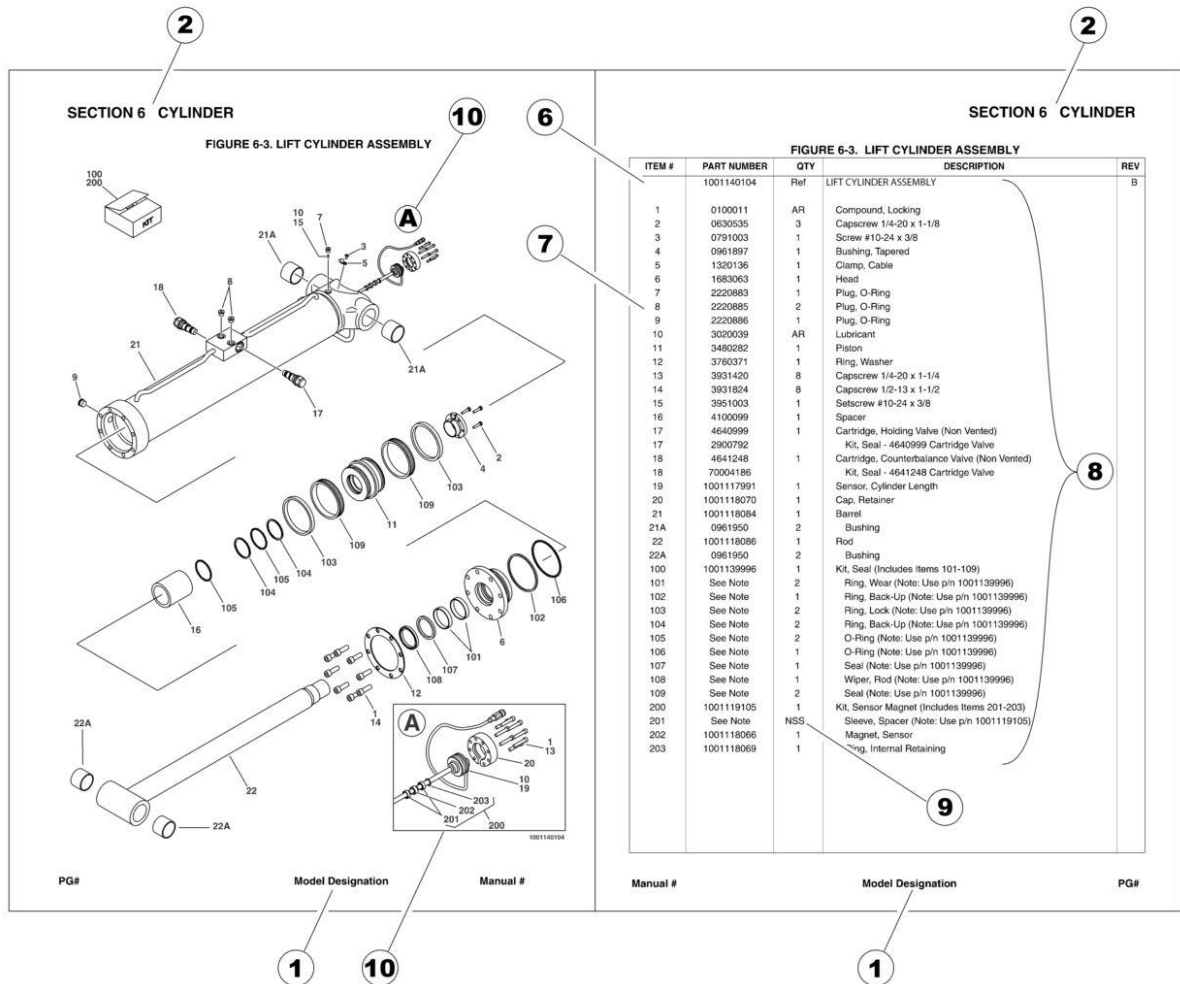
Two configurations of each machine are included in this manual. Determine if machine is equipped with Ultra Sulfur Fuel Decal (1) as indicated below.

- 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.



1

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.....	15
FIGURE 1-1. COUNTERWEIGHT INSTALLATION.....	16
FIGURE 1-2. ENGINE ENCLOSURE INSTALLATION.....	18
FIGURE 1-3. ENCLOSURE SKIRT INSTALLATION.....	20
FIGURE 1-4. HOOD INSTALLATION.....	22
FIGURE 1-5. CLOSURE INSTALLATION.....	24
FIGURE 1-6. FRAME COVER INSTALLATION.....	26
FIGURE 1-7. TANKS INSTALLATION.....	28
FIGURE 1-8. HYDRAULIC TANK INSTALLATION.....	30
FIGURE 1-9. HYDRAULIC TANK ASSEMBLY.....	32
FIGURE 1-10. FUEL TANK INSTALLATION.....	34
FIGURE 1-11. FUEL TANK ASSEMBLY.....	36
FIGURE 1-12. REMOTE FILL INSTALLATION.....	38
FIGURE 1-13. WHEEL CHOCK INSTALLATION.....	40
FIGURE 1-14. PAD LOCK.....	42
FIGURE 1-15. OUTRIGGERS INSTALLATION.....	44
FIGURE 1-16. BOOM PROP INSTALLATION.....	46
FIGURE 1-17. GROMMETS INSTALLATION.....	48
SECTION 2 - BOOM.....	51
FIGURE 2-1. BOOM INSTALLATION.....	52
FIGURE 2-2. BOOM ASSEMBLY.....	54
FIGURE 2-3. BASE BOOM SECTION ASSEMBLY.....	58
FIGURE 2-4. SECOND BOOM SECTION ASSEMBLY.....	60
FIGURE 2-5. THIRD BOOM SECTION ASSEMBLY.....	62
FIGURE 2-6. FOURTH BOOM SECTION ASSEMBLY.....	64
FIGURE 2-7. FLY BOOM SECTION ASSEMBLY.....	66
FIGURE 2-8. RETRACT CHAIN INSTALLATION.....	68
FIGURE 2-9. RETRACT CHAIN INSTALLATION.....	70
FIGURE 2-10. RETRACT CHAIN INSTALLATION.....	72
FIGURE 2-11. EXTEND CHAIN INSTALLATION.....	74
FIGURE 2-12. EXTEND CHAIN INSTALLATION.....	76
FIGURE 2-13. EXTEND CHAIN INSTALLATION.....	78
FIGURE 2-14. ATTACH COUPLER INSTALLATION (MANUAL).....	80
FIGURE 2-15. ATTACH COUPLER INSTALLATION (HYDRAULIC).....	82
FIGURE 2-16. HYDRAULIC QUICK SWITCH INSTALLATION.....	84
FIGURE 2-17. QUICK COUPLER ASSEMBLY.....	86
FIGURE 2-18. BOOM PIN INSTALLATION.....	88
FIGURE 2-19. TILT CYLINDER PIN INSTALLATION.....	90
FIGURE 2-20. BOOM ANGLE INDICATOR INSTALLATION.....	92
FIGURE 2-21. BOOM BRUSHES INSTALLATION.....	94
SECTION 3 - ATTACHMENTS.....	97
FIGURE 3-1. ATTACHMENT RECOGNITION INSTALLATION.....	98
FIGURE 3-2. BASKET, PERSONNEL (1.2MX2.4M) (DOMESTIC).....	100
FIGURE 3-3. BASKET PERSONNEL (1.2MX2.4M) (FRENCH).....	102
FIGURE 3-4. BASKET PERSONNEL (FORK MOUNTED).....	104
FIGURE 3-5. BUCKET (1 M ³) (FORK MOUNTED).....	106
FIGURE 3-6. BUCKET 1.0 YD ³ (ANSI - JLG).....	108
FIGURE 3-7. BUCKET (1.15 M ³).....	110
FIGURE 3-8. CARRIAGE ASSEMBLY (50 INCH).....	112
FIGURE 3-9. CARRIAGE ASSEMBLY (60 INCH).....	114
FIGURE 3-10. CARRIAGE ASSEMBLY (72 INCH).....	116
FIGURE 3-11. CARRIAGE ASSEMBLY - SIDE SHIFT (48 INCH).....	118
FIGURE 3-12. CARRIAGE ASSEMBLY - SIDE TILT (50 INCH).....	120
FIGURE 3-13. CARRIAGE ASSEMBLY - SIDE TILT (60 INCH).....	122
FIGURE 3-14. CARRIAGE ASSEMBLY - SIDE TILT (72 INCH).....	124
FIGURE 3-15. CARRIAGE ASSEMBLY - SWING (72 INCH).....	126
FIGURE 3-16. CARRIAGE ASSEMBLY - SWING (180).....	128
FIGURE 3-17. CARRIAGE INSTALLATION - DRYWALL SWING.....	134
FIGURE 3-18. CARRIAGE ASSEMBLY - DRYWALL SWING.....	136
FIGURE 3-19. CARRIAGE ASSEMBLY - DRYWALL SWING (BOARD HANDLER).....	138
FIGURE 3-20. CARRIAGE ASSEMBLY - DRYWALL SWING (PIVOT FRAME GROUP).....	140

TABLE OF CONTENTS

FIGURE 3-21. CARRIAGE ASSEMBLY - DRYWALL SWING (CYLINDER).....	142
FIGURE 3-22. CARRIAGE ASSEMBLY - DRYWALL SWING (HYDRAULIC GROUP).....	144
FIGURE 3-23. CARRIAGE ASSEMBLY - DRYWALL SWING (VALVE ASSEMBLY).....	146
FIGURE 3-24. CARRIAGE ASSEMBLY - DRYWALL SWING (CYLINDER).....	148
FIGURE 3-25. CARRIAGE ASSEMBLY - DRYWALL SWING FORK GROUP	150
FIGURE 3-26. CARRIAGE - FORK POSITIONING (4.5 TON)	152
FIGURE 3-27. CARRIAGE - FORK POSITIONING VALVE ASSEMBLY.....	154
FIGURE 3-28. VALVE - CARRIAGE DUAL FORK FLOW DIVIDER.....	156
FIGURE 3-29. COUPLER MOUNTED HOOK.....	158
FIGURE 3-30. HOOK - 4 TON (FORK MOUNTED).....	160
FIGURE 3-31. FORK - CUBING (2.00X2X48)	162
FIGURE 3-32. FORK - DUAL TAPER (2.00X6X72).....	164
FIGURE 3-33. FORK - FULL TAPER (50X150X1220MM).....	166
FIGURE 3-34. FORK - LUMBER (1.5X6X60)	168
FIGURE 3-35. FORK - LUMBER (2.00X7X60)	170
FIGURE 3-36. FORK - PALLET (2.36X4X48).....	172
FIGURE 3-37. FORK - PALLET (2.36X5X48).....	174
FIGURE 3-38. FORK - PALLET (2.36X4X48).....	176
FIGURE 3-39. FORK - PALLET (2.36X4X60).....	178
FIGURE 3-40. FORK - PALLET (2.36X5X72).....	180
FIGURE 3-41. FORK - PALLET (2.36X5X60).....	182
FIGURE 3-42. FORK - PALLET (2.36X6X60).....	184
FIGURE 3-43. FORK CLAMPS INSTALLATION	186
FIGURE 3-44. FORK EXTENSIONS (62X163X2286).....	188
FIGURE 3-45. TRASH HOPPER INSTALLATION.....	190
FIGURE 3-46. TRUSS BOOM (0.9 TON - 3.7M)	192
FIGURE 3-47. TRUSS BOOM (0.9 TON - 3.7M WITH WINCH)	194
FIGURE 3-48. TRUSS BOOM ASSEMBLY (3 FOOT WITH WINCH).....	196
FIGURE 3-49. TRUSS BOOM (15 FOOT)	198
FIGURE 3-50. TRUSS BOOM - ADJUSTABLE	200
FIGURE 3-51. TRUSS BOOM - ADJUSTABLE (FORK MOUNTED).....	202
SECTION 4 - ENGINE AND ATTACHING PARTS.....	205
FIGURE 4-1. ENGINE POD COMPONENT INSTALLATION	206
FIGURE 4-2. ENGINE MOUNT INSTALLATION	208
FIGURE 4-3. CUMMINS ENGINE, QSB 4.5L	210
FIGURE 4-4. AIR CLEANER LINES INSTALLATION	212
FIGURE 4-5. AIR CLEANER INSTALLATION	214
FIGURE 4-6. AIR CLEANER FILTER ASSEMBLY (90/100KW).....	216
FIGURE 4-7. AIR FILTER, RAIN CAP INSTALLATION	218
FIGURE 4-8. PRIMARY FUEL FILTER INSTALLATION	220
FIGURE 4-9. FUEL LINES INSTALLATION.....	222
FIGURE 4-10. HYDROSTATIC DRIVE PUMP INSTALLATION	226
FIGURE 4-11. HYDROSTATIC PUMP ASSEMBLY	228
FIGURE 4-12. HYDRAULIC PUMP INSTALLATION	230
FIGURE 4-13. IMPLEMENT PUMP ASSEMBLY	232
FIGURE 4-14. DEF COOLANT LINES INSTALLATION	234
FIGURE 4-15. DEF TANK INSTALLATION	236
FIGURE 4-16. DEF TANK ASSEMBLY.....	238
FIGURE 4-17. DEF BREATHER VALVE	240
FIGURE 4-18. COOLING PACKAGE INSTALLATION (CUMMINS 4.5L).....	242
FIGURE 4-19. COOLING PACKAGE INSTALLATION (ASOV)	244
FIGURE 4-20. RADIATOR ASSEMBLY.....	248
FIGURE 4-21. SURGE TANK INSTALLATION.....	250
FIGURE 4-22. COOLANT LINES INSTALLATION.....	252
FIGURE 4-23. CAC LINES INSTALLATION	254
FIGURE 4-24. CAC LINES INSTALLATION (ASOV).....	256
FIGURE 4-25. ASOV LINES INSTALLATION.....	258
FIGURE 4-26. FAN GUARD INSTALLATION	260
FIGURE 4-27. COOLING FAN INSTALLATION	262
FIGURE 4-28. EXHAUST INSTALLATION (CUMMINS 4.5L).....	264
FIGURE 4-29. CAB - HEATER LINES INSTALLATION.....	266
FIGURE 4-30. DEF PUMP AND CONTROL INSTALLATION.....	268
FIGURE 4-31. DEF LINES INSTALLATION.....	270
FIGURE 4-32. DOC INSTALLATION	272
FIGURE 4-33. SCR INSTALLATION.....	274

TABLE OF CONTENTS

FIGURE 4-34. A/C PUMP INSTALLATION (CUMMINS 4.5L)	276
FIGURE 4-35. A/C LINES INSTALLATION	278
FIGURE 4-36. BREATHER TUBE HEATER INSTALLATION	280
FIGURE 4-37. TRANSMISSION HYDROSTATIC ADAPTER INSTALLATION	282
FIGURE 4-38. REMOTE OIL FILTER INSTALLATION	284
FIGURE 4-39. OIL DRAIN HOSE INSTALLATION.....	286
 SECTION 5 - DRIVE TRAIN	 289
FIGURE 5-1. DRIVETRAIN INSTALLATION	290
FIGURE 5-2. GEARBOX INSTALLATION	292
FIGURE 5-3. GEARBOX ASSEMBLY	294
FIGURE 5-4. DRIVE SHAFT INSTALLATION.....	298
FIGURE 5-5. FRONT DRIVESHAFT INSTALLATION.....	300
FIGURE 5-6. REAR DRIVESHAFT INSTALLATION	302
FIGURE 5-7. FRONT AXLE INSTALLATION	304
FIGURE 5-8. FRONT AXLE LINES INSTALLATION.....	306
FIGURE 5-9. FRONT AXLE MOUNTING INSTALLATION.....	308
FIGURE 5-10. FRONT AXLE	310
FIGURE 5-11. FRONT AXLE, CENTRAL HOUSING	312
FIGURE 5-12. FRONT AXLE, DIFFERENTIAL	314
FIGURE 5-13. FRONT AXLE, HUB REDUCTION.....	316
FIGURE 5-14. FRONT AXLE, BRAKES	320
FIGURE 5-15. FRONT AXLE, STEERING	322
FIGURE 5-16. FRONT AXLE, TRUNION	324
FIGURE 5-17. REAR AXLE INSTALLATION	326
FIGURE 5-18. REAR AXLE LINES INSTALLATION	328
FIGURE 5-19. REAR AXLE MOUNTING INSTALLATION	330
FIGURE 5-20. REAR AXLE.....	332
FIGURE 5-21. REAR AXLE, CENTRAL HOUSING.....	334
FIGURE 5-22. REAR AXLE, DIFFERENTIAL	336
FIGURE 5-23. REAR AXLE, HUB REDUCTION	338
FIGURE 5-24. REAR AXLE, BRAKES	342
FIGURE 5-25. REAR AXLE, STEERING.....	344
FIGURE 5-26. REAR AXLE, TRUNION.....	346
FIGURE 5-27. CAB FENDER INSTALLATION	348
FIGURE 5-28. FENDER INSTALLATION.....	350
FIGURE 5-29. RH FENDER ASSEMBLY	352
FIGURE 5-30. LH FENDER ASSEMBLY	354
FIGURE 5-31. HYDRAULIC MOTOR INSTALLATION.....	356
FIGURE 5-32. TIRE/WHEEL SET (FOAM 17.5-25 - 20 PLY)	358
 SECTION 6 - CAB.....	 361
FIGURE 6-1. CAB MOUNTING	362
FIGURE 6-2. CAB COMPONENTS INSTALLATION.....	364
FIGURE 6-3. CAB INSTALLATION	366
FIGURE 6-4. CAB ASSEMBLY	368
FIGURE 6-5. DOOR INSTALLATION.....	370
FIGURE 6-6. DOOR ASSEMBLY (AG)	372
FIGURE 6-7. CAB DOOR.....	374
FIGURE 6-8. DOOR UPPER GLASS ASSEMBLY	376
FIGURE 6-9. CAB LATCH ASSEMBLY.....	378
FIGURE 6-10. CAB DOOR TRIGGER ASSEMBLY	380
FIGURE 6-11. DOOR STRAP INSTALLATION.....	382
FIGURE 6-12. REAR WINDOW INSTALLATION.....	384
FIGURE 6-13. REAR WINDOW GROUP	386
FIGURE 6-14. CAB PLUG GROUP.....	388
FIGURE 6-15. BASIC MIRROR INSTALLATION	390
FIGURE 6-16. FRONT WIPER INSTALLATION.....	392
FIGURE 6-17. WASHER TANK INSTALLATION	394
FIGURE 6-18. WASHER BOTTLE	396
FIGURE 6-19. FRONT COVER INSTALLATION	398
FIGURE 6-20. FIRE EXTINGUISHER INSTALLATION.....	400
FIGURE 6-21. FRONT DUCT COVER	402
FIGURE 6-22. FILTER TRAY PANEL	404
FIGURE 6-23. LEVEL INDICATOR INSTALLATION.....	406

TABLE OF CONTENTS

FIGURE 6-24. CAB STORAGE TRAY INSTALLATION.....	408
FIGURE 6-25. GRAB HANDLE INSTALLATION	410
FIGURE 6-26. REAR WIPER INSTALLATION	412
FIGURE 6-27. MULTIFUNCTION DISPLAY INSTALLATION.....	414
FIGURE 6-28. SEAT INSTALLATION.....	416
FIGURE 6-29. SUSPENSION SEAT ASSEMBLY	418
FIGURE 6-30. SEAT INSTALLATION (CLOTH)	420
FIGURE 6-31. SEAT ASSEMBLY	422
FIGURE 6-32. SEAT INSTALLATION (AIR SUSPENSION - STANDARD)	424
FIGURE 6-33. SEAT ASSEMBLY (AIR SUSPENSION - STANDARD)	426
FIGURE 6-34. UPPER SEAT ASSEMBLY.....	428
FIGURE 6-35. SUSPENSION KIT	430
FIGURE 6-36. SEAT INSTALLATION (AIR SUSPENSION - PREMIUM).....	432
FIGURE 6-37. SEAT ASSEMBLY (AIR SUSPENSION - PREMIUM)	434
FIGURE 6-38. HEATER INSTALLATION.....	436
FIGURE 6-39. HEATER AND A/C INSTALLATION (CAB PARTS).....	438
FIGURE 6-40. CAB CONDENSER ASSEMBLY	442
FIGURE 6-41. CONDENSER.....	444
FIGURE 6-42. A/C RECEIVER DRIER	446
FIGURE 6-43. HEATER ASSEMBLY.....	448
FIGURE 6-44. HEATER AND A/C ASSEMBLY	450
FIGURE 6-45. HVAC CAB ACTUATOR.....	452
FIGURE 6-46. HEATER	454
FIGURE 6-47. HEATER AND A/C.....	456
FIGURE 6-48. ROOF WIPER INSTALLATION	458
FIGURE 6-49. HEADLINER INSTALLATION.....	460
FIGURE 6-50. HEADLINER/RADIO READY PACKAGE INSTALLATION	462
FIGURE 6-51. CAB TRIM INSTALLATION	464
FIGURE 6-52. DASH COVER ASSEMBLY.....	468
FIGURE 6-53. REAR PANEL COVER ASSEMBLY	470
FIGURE 6-54. ADJUSTABLE ARMREST INSTALLATION.....	472
FIGURE 6-55. ROOF CAP INSTALLATION (NO A/C).....	474
FIGURE 6-56. ROOF CAP INSTALLATION (A/C)	476
FIGURE 6-57. NO SUNSCREEN INSTALLATION	478
FIGURE 6-58. RETRACTABLE SUNSCREEN INSTALLATION.....	480
FIGURE 6-59. NON SKID TAPE INSTALLATION.....	482
FIGURE 6-60. FLOOR MAT INSTALLATION	484
FIGURE 6-61. SEAT BELT INSTALLATION (3IN).....	486
FIGURE 6-62. SEAT BELT INSTALLATION (2IN)	488
FIGURE 6-63. ENCLOSED CAB FRONT COVER INSTALLATION	490
FIGURE 6-64. CAB GUARD INSTALLATION (TOP).....	492
FIGURE 6-65. CAB GUARD INSTALLATION (FRONT)	494
FIGURE 6-66. CAB GUARD INSTALLATION (TOP AND FRONT)	496
FIGURE 6-67. EXTERNAL WINDOW RELEASE INSTALLATION (CAN & ISO).....	498
FIGURE 6-68. ARMREST	500
FIGURE 6-69. FIXED ARMREST BRACKET.....	502
FIGURE 6-70. MOVING ARMREST BRACKET.....	504
SECTION 7 - CONTROLS.....	507
FIGURE 7-1. ACCELERATOR PEDAL INSTALLATION.....	508
FIGURE 7-2. ACCELERATOR PEDAL	510
FIGURE 7-3. BRAKE PEDAL INSTALLATION	512
FIGURE 7-4. BRAKE PEDAL ASSEMBLY	514
FIGURE 7-5. BRAKE SENSOR INSTALLATION.....	516
FIGURE 7-6. SWITCH PLATE ASSEMBLY	518
FIGURE 7-7. TILT STEERING COLUMN INSTALLATION	520
FIGURE 7-8. TILT STEERING COLUMN	522
FIGURE 7-9. COLUMN SHIFT INSTALLATION (2 SPEED).....	524
FIGURE 7-10. STEERING WHEEL INSTALLATION	526
FIGURE 7-11. STEERING WHEEL.....	528
FIGURE 7-12. HORN BUTTON INSTALLATION.....	530
FIGURE 7-13. JOYSTICK INSTALLATION (2 SPEED)	532
FIGURE 7-14. WIPER-TURN SWITCH.....	534
FIGURE 7-15. COLUMN CLAMP INSTALLATION	536
SECTION 8 - HYDRAULIC CIRCUITS	539

TABLE OF CONTENTS

FIGURE 8-1. MAIN HYDRAULIC INSTALLATION	540
FIGURE 8-2. BOOM HYDRAULICS INSTALLATION.....	542
FIGURE 8-3. BOOM HYDRAULIC LINES INSTALLATION.....	544
FIGURE 8-4. BOOM HOSE AND CHAIN INSTALLATION.....	546
FIGURE 8-5. BOOM AUXILIARY HYDRAULICS INSTALLATION.....	548
FIGURE 8-6. BOOM AUXILIARY HYDRAULICS (HYDRAULIC COUPLER)	550
FIGURE 8-7. BOOM RAISE HOSE INSTALLATION (RIDE CONTROL)	552
FIGURE 8-8. CAB HYDRAULICS INSTALLATION	554
FIGURE 8-9. CAB CHECK VALVE & FITTING ASSEMBLY	556
FIGURE 8-10. CHARGE FILTER HOSE INSTALLATION.....	558
FIGURE 8-11. CHARGE FILTER INSTALLATION.....	560
FIGURE 8-12. EMERGENCY LOWERING INSTALLATION	562
FIGURE 8-13. EMERGENCY LOWERING AUXILIARY VALVE & FITTING ASSEMBLY	564
FIGURE 8-14. EMERGENCY LOWERING AUXILIARY PUMP & FITTING ASSEMBLY	566
FIGURE 8-15. ENGINE BAY HYDRAULIC INSTALLATION	568
FIGURE 8-16. FRAME HYDRAULICS INSTALLATION	570
FIGURE 8-17. FRAME SWAY INSTALLATION	572
FIGURE 8-18. FRAME SWAY CYLINDER INSTALLATION	574
FIGURE 8-19. FRAME SWAY CONTROL VALVE INSTALLATION.....	576
FIGURE 8-20. FRAME SWAY CONTROL VALVE & FITTING ASEMBLY	578
FIGURE 8-21. IMPLEMENT PUMP FILTER ASSEMBLY	580
FIGURE 8-22. MAIN CONTROL VALVE INSTALLATION.....	582
FIGURE 8-23. MAIN CONTROL VALVE & FITTINGS ASSEMBLY	584
FIGURE 8-24. OUTRIGGER HYDRAULICS INSTALLATION.....	586
FIGURE 8-25. OUTRIGGER EXHAUST VALVE ASSEMBLY.....	588
FIGURE 8-26. PRIORITY VALVE INSTALLATION	590
FIGURE 8-27. PRIORITY VALVE & FITTING ASSEMBLY	592
FIGURE 8-28. QUICK COUPLER VALVE & FITTING ASSEMBLY	594
FIGURE 8-29. REAR AXLE STABILIZER INSTALLATION	596
FIGURE 8-30. REAR AXLE STABILIZER VARIABLE REDUCING VALVE INSTALLATION.....	598
FIGURE 8-31. REAR AXLE STABILIZER VARIABLE REDUCING VALVE & FITTING ASSEMBLY	600
FIGURE 8-32. RIDE AND FLOAT VALVE ASSEMBLY.....	602
FIGURE 8-33. SAHR VALVE INSTALLATION	604
FIGURE 8-34. SAHR BRAKE VALVE & FITTING ASSEMBLY	606
FIGURE 8-35. SPEED CONTROL VALVE INSTALLATION	608
FIGURE 8-36. STEERING SELECT VALVE INSTALLATION.....	610
FIGURE 8-37. STEERING SELECT VALVE & FITTING ASSEMBLY.....	612
 SECTION 9 - HYDRAULIC COMPONENTS.....	 615
FIGURE 9-1. CYLINDER INSTALLATION - EXTEND/RETRACT	616
FIGURE 9-2. CYLINDER INSTALLATION - EXTEND/RETRACT	618
FIGURE 9-3. CYLINDER ASSEMBLY - FORK POSITIONING	620
FIGURE 9-4. CYLINDER ASSEMBLY - FRAME LEVEL.....	622
FIGURE 9-5. CYLINDER INSTALLATION - LIFT	624
FIGURE 9-6. CYLINDER ASSEMBLY - LIFT	626
FIGURE 9-7. CYLINDER INSTALLATION - OUTRIGGER.....	628
FIGURE 9-8. CYLINDER ASSEMBLY - OUTRIGGER.....	630
FIGURE 9-9. CYLINDER ASSEMBLY - QUICK COUPLER.....	632
FIGURE 9-10. CYLINDER ASSEMBLY - QUICK SWITCH	634
FIGURE 9-11. CYLINDER INSTALLATION - REAR AXLE STABILIZER.....	636
FIGURE 9-12. CYLINDER ASSEMBLY - REAR AXLE STABILIZER.....	638
FIGURE 9-13. CYLINDER ASSEMBLY - SIDE SHIFT CARRIAGE	640
FIGURE 9-14. CYLINDER ASSEMBLY - SIDE TILT.....	642
FIGURE 9-15. CYLINDER ASSEMBLY - SWING CARRIAGE.....	644
FIGURE 9-16. CYLINDER & FITTING ASSEMBLY - TILT	646
FIGURE 9-17. CYLINDER ASSEMBLY - TILT	648
FIGURE 9-18. MOTOR ASSEMBLY - HYDRAULIC.....	650
FIGURE 9-19. MOTOR ASSEMBLY - HYDRAULIC.....	652
FIGURE 9-20. PUMP ASSEMBLY - CHARGE.....	654
FIGURE 9-21. PUMP ASSEMBLY - DEF MODULE.....	656
FIGURE 9-22. PUMP ASSEMBLY - DRIVE	658
FIGURE 9-23. PUMP/MOTOR ASSEMBLY - EMERGENCY LOWERING AUXILIARY	660
FIGURE 9-24. PUMP ASSEMBLY - PISTON.....	662
FIGURE 9-25. VALVE ASSEMBLY - BOOM RAISE VALVE.....	664
FIGURE 9-26. VALVE ASSEMBLY - CHARGE FLOW CONTROL VALVE ASSEMBLY	666
FIGURE 9-27. VALVE ASSEMBLY - DIVERTOR VALVE	668

TABLE OF CONTENTS

FIGURE 9-28. VALVE ASSEMBLY - LEVEL AND STABILIZATION VALVE	670
FIGURE 9-29. VALVE ASSEMBLY - MAIN CONTROL VALVE.....	672
FIGURE 9-30. VALVE ASSEMBLY - PRIORITY VALVE	674
FIGURE 9-31. VALVE ASSEMBLY - SAHR BRAKE VALVE	676
FIGURE 9-32. VALVE ASSEMBLY - STEER.....	678
FIGURE 9-33. VALVE ASSEMBLY - STEERING SELECT	680
SECTION 10 - ELECTRICAL.....	683
FIGURE 10-1. 1075 ELECTRICAL LAYOUT	684
FIGURE 10-2. MAIN ELECTRICAL INSTALLATION	694
FIGURE 10-3. ALARM INSTALLATION - BACKUP	696
FIGURE 10-4. ALARM INSTALLATION - BACKUP (WHITE NOISE)	698
FIGURE 10-5. ATTACHMENT RECOGNITION HARNESS.....	700
FIGURE 10-6. BATTERY INSTALLATION - DUAL	702
FIGURE 10-7. BATTERY INSTALLATION - DUAL (WITH BREATHER TUBE HEATER)	704
FIGURE 10-8. BATTERIES INSTALLATION - ARCTIC (115V)	706
FIGURE 10-9. BEACON INSTALLATION (LED).....	708
FIGURE 10-10. BEACON (LED) (REMOTE BOOM CONTROL) INSTALLATION	710
FIGURE 10-11. BOOM TO FRAME HARNESS.....	712
FIGURE 10-12. BOOM ANGLE SENSOR INSTALLATION (STD)	714
FIGURE 10-13. BOOM DAMPING INSTALLATION.....	716
FIGURE 10-14. BOOM HARNESS	718
FIGURE 10-15. BOOM RETRACT SENSOR INSTALLATION	720
FIGURE 10-16. BOOM RETRACT SOFT STOP HARNESS	722
FIGURE 10-17. BOOM RIDE/FLOAT HARNESS	724
FIGURE 10-18. CAB ELECTRICAL INSTALLATION.....	726
FIGURE 10-19. CAB HARNESS.....	728
FIGURE 10-20. CAB - STANDARD ELECTRICAL BOARD ASSEMBLY	736
FIGURE 10-21. CAB - OPTION 1 ELECTRICAL BOARD ASSEMBLY	738
FIGURE 10-22. CAB - OPTION 2 ELECTRICAL BOARD ASSEMBLY	740
FIGURE 10-23. CAB - A/C OPTION HARNESS	742
FIGURE 10-24. CAB - DASH ELECTRICAL INSTALLATION.....	744
FIGURE 10-25. CAB - IGNITION SWITCH HARNESS.....	746
FIGURE 10-26. CAB - LIGHT SWITCH INSTALLATION	748
FIGURE 10-27. CAB KEY HARNESS (REMOTE CONTROL BOOM).....	750
FIGURE 10-28. CAB OPTION HARNESS	752
FIGURE 10-29. CAB - OUTRIGGER SWITCHES INSTALLATION	754
FIGURE 10-30. CAB - SEAT ADAPTOR HARNESS	756
FIGURE 10-31. COLD WEATHER PACKAGE INSTALLATION (ARCTIC)	758
FIGURE 10-32. COUPLER ANGLE SENSOR INSTALLATION.....	760
FIGURE 10-33. COUPLER ANGLE SENSOR INSTALLATION (MANUAL COUPLER)	762
FIGURE 10-34. COUPLER - TILT SENSOR JUMPER HARNESS.....	764
FIGURE 10-35. EMERGENCY STOP EXTERNAL INSTALLATION.....	766
FIGURE 10-36. ENGINE - AIR SHUT OFF VALVE HARNESS (ASOV).....	768
FIGURE 10-37. ENGINE BAY ELECTRICAL INSTALLATION	770
FIGURE 10-38. ENGINE BAY WIRING INSTALLATION	772
FIGURE 10-39. ENGINE - ENGINE HARNESS (CUMMINS)	774
FIGURE 10-40. ENGINE - ENGINE HARNESS (CUMMINS)	776
FIGURE 10-41. ENGINE - DEF PURGE LIGHT HARNESS	780
FIGURE 10-42. ENGINE WIRING INSTALLATION	782
FIGURE 10-43. FRAME ELECTRICAL INSTALLATION.....	784
FIGURE 10-44. FRAME - ELECTRICAL POWER DISTRIBUTION BOX.....	786
FIGURE 10-45. FRAME WIRING INSTALLATION	788
FIGURE 10-46. FRAME - FRONT FRAME HARNESS.....	790
FIGURE 10-47. FRAME - FRONT FRAME POWER HARNESS	794
FIGURE 10-48. FRAME - REAR FRAME POWER HARNESS.....	796
FIGURE 10-49. FRAME - REAR FRAME MODULE INSTALLATION.....	800
FIGURE 10-50. FRAME - REAR AXLE STABILIZER HARNESS (RAS)	802
FIGURE 10-51. FRAME - RIDE CONTROL WIRING INSTALLATION	804
FIGURE 10-52. HEATER INSTALLATION - FUEL FILTER.....	806
FIGURE 10-53. HEATER INSTALLATION - HYDRAULIC TANK	808
FIGURE 10-54. HEATER INSTALLATION - OIL PAN	810
FIGURE 10-55. HVAC ACTUATOR HARNESS.....	812
FIGURE 10-56. LIGHTS - BOOM WORKLIGHTS INSTALLATION	814
FIGURE 10-57. LIGHTS - BOOM WORKLIGHTS HARNESS	816
FIGURE 10-58. LIGHTS - CAB WORKLIGHTS INSTALLATION (NO A/C - LED)	818

TABLE OF CONTENTS

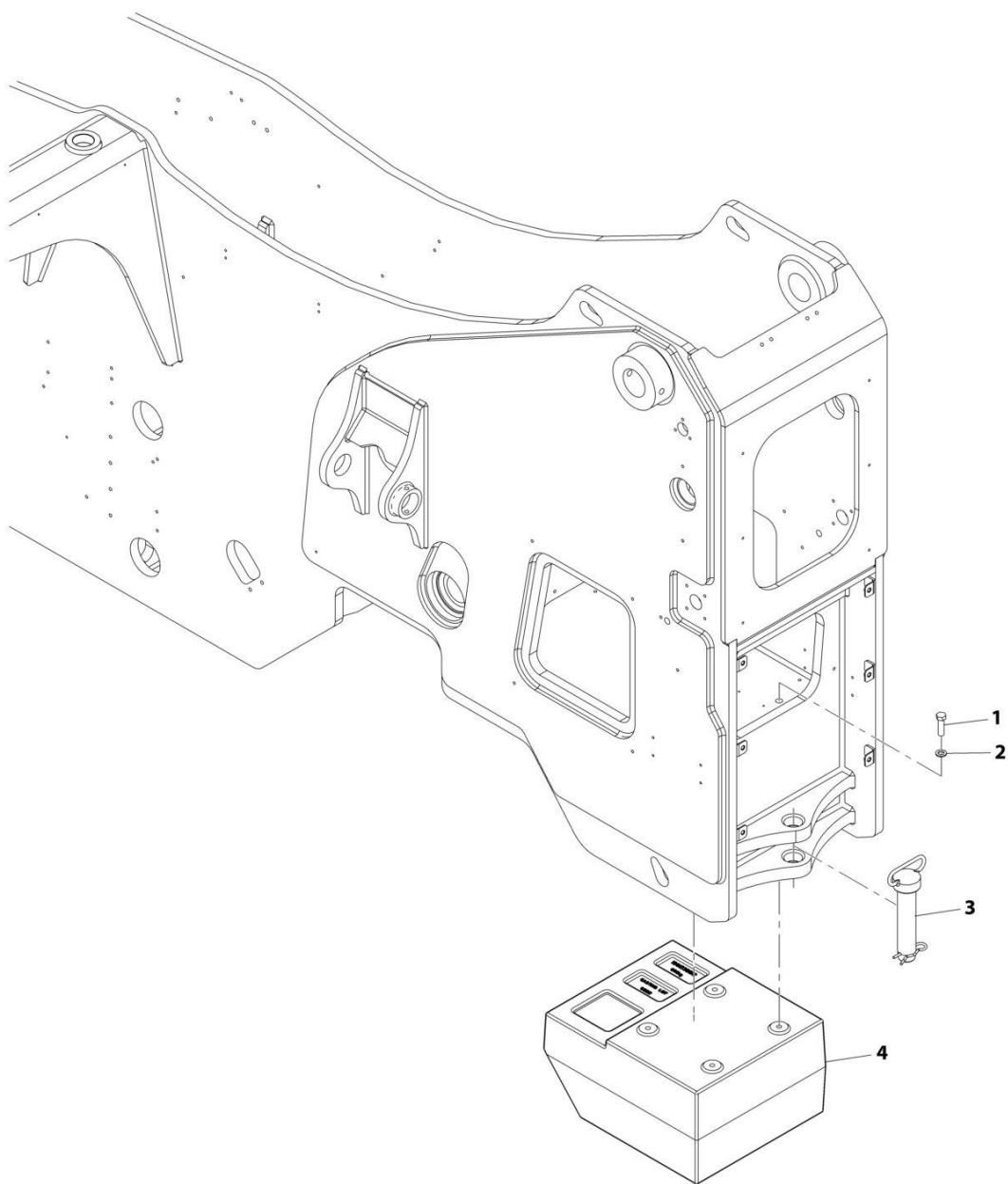
FIGURE 10-59. LIGHTS - CAB WORKLIGHTS INSTALLATION (A/C - LED).....	820
FIGURE 10-60. LIGHTS - HEADLIGHT HARNESS	822
FIGURE 10-61. LIGHTS - ROAD LIGHTS INSTALLATION	824
FIGURE 10-62. LIGHTS - TAILLIGHT HARNESS.....	826
FIGURE 10-63. LMIS COMPONENT INSTALLATION	828
FIGURE 10-64. LMIS BEACON LIGHT INSTALLATION.....	830
FIGURE 10-65. LMIS BEACON OPTION HARNESS.....	832
FIGURE 10-66. LMIS BOOM HARNESS	834
FIGURE 10-67. LMIS CABLE REEL INSTALLATION	836
FIGURE 10-68. LMIS CHASSIS OPTION HARNESS	838
FIGURE 10-69. LMIS TILT SENSOR INSTALLATION.....	840
FIGURE 10-70. LMIS WIRING INSTALLATION	842
FIGURE 10-71. LSI INSTALLATION	844
FIGURE 10-72. LSI DISPLAY INSTALLATION	846
FIGURE 10-73. LSI SENSOR INSTALLATION	848
FIGURE 10-74. OUTRIGGER HARNESS	850
FIGURE 10-75. PLATFORM HARNESS	852
FIGURE 10-76. PLATFORM READY HARNESS	854
FIGURE 10-77. REMOTE CONTROL BOOM INSTALLATION	856
FIGURE 10-78. REMOTE CONTROL EMERGENCY STOP SWITCH INSTALLATION	858
FIGURE 10-79. REMOTE CONTROL POWER HARNESS	860
FIGURE 10-80. REVERSE CAMERA INSTALLATION	862
FIGURE 10-81. REVERSE SENSOR INSTALLATION	864
FIGURE 10-82. REVERSE SENSOR HARNESS.....	866
FIGURE 10-83. RIGHT SIDE CAMERA INSTALLATION.....	868
FIGURE 10-84. TBAP HARNESS	870
FIGURE 10-85. TELEMATICS CANBUS INSTALLATION	872
FIGURE 10-86. TELEMATICS CLEARSKY HARNESS - CANBUS	874
FIGURE 10-87. TELEMATICS CLEARSKY INSTALLATION 3-WIRE (ANSI).....	876
FIGURE 10-88. TELEMATICS CLEARSKY HARNESS - 3-WIRE	878
FIGURE 10-89. TELEMATICS READY INSTALLATION.....	880
FIGURE 10-90. TELEMATICS READY HARNESS	882
SECTION 11 - DECALS.....	885
FIGURE 11-1. BRANDING DECAL INSTALLATION.....	886
FIGURE 11-2. DECAL INSTALLATION (ANSI).....	888
FIGURE 11-3. DECAL INSTALLATION (CSA ENGLISH/FRENCH)	892
FIGURE 11-4. LOADCHARTS (ANSI).....	896
FIGURE 11-5. REMOTE CONTROL BOOM (ANSI).....	898
FIGURE 11-6. LOADCHARTS – REMOTE CONTROL BOOM WITH LMIS (ANSI).....	900
FIGURE 11-7. CAPACITY CHART HOLDER INSTALLATION	902
FIGURE 11-8. REVERSE SENSOR SYSTEM DECAL (ENGLISH)	904
FIGURE 11-9. REVERSE SENSING SYSTEM DECAL, (ENGLISH/FRENCH)	906
FIGURE 11-10. CLEARSKY DECAL INSTALLATION.....	908
SECTION 12 - RECOMMENDED SERVICE PARTS STOCK	911
FIGURE 12-1. RECOMMENDED SERVICE PARTS STOCK	912
SECTION 13 - SPECIAL OPTIONS/ACCESSORIES/KITS	915
FIGURE 13-1. SPECIAL OPTIONS/ACCESSORIES/KITS	916
PART NUMBER INDEX	917

SECTION 1 - FRAME AND ATTACHING PARTS

SECTION 1 - FRAME AND ATTACHING PARTS

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-1. COUNTERWEIGHT INSTALLATION



ART_1001258259-B

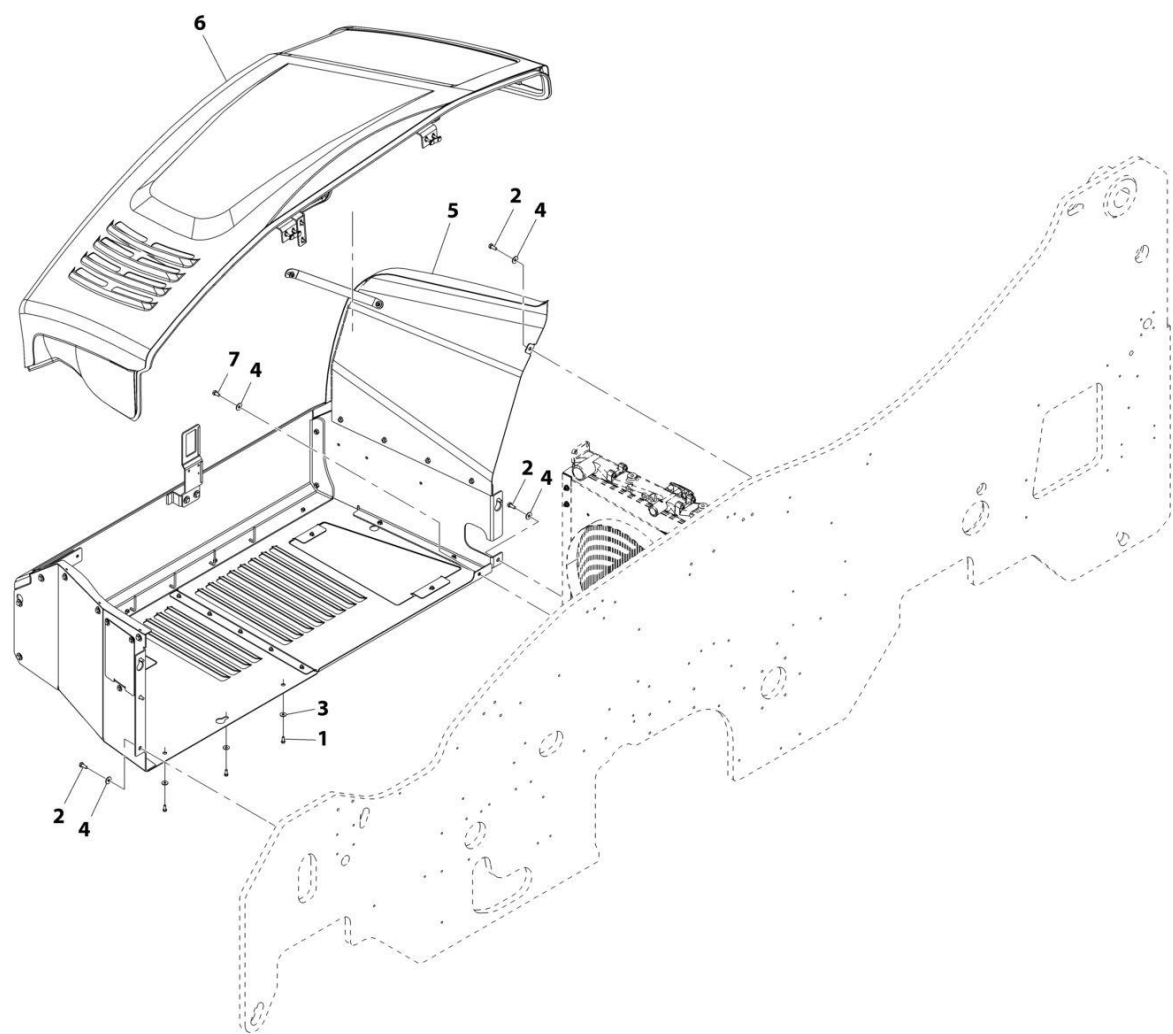
SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-1. COUNTERWEIGHT INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258259	Ref	Counterweight Installation	B
1	0771619	NSS	Bolt, M16X55	
2	4812300	NSS	Washer, M16	
3	1001197955	1	Pin, Hitch	
4	1001238912	NSS	Counterweight	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-2. ENGINE ENCLOSURE INSTALLATION



ART_1001242689-B

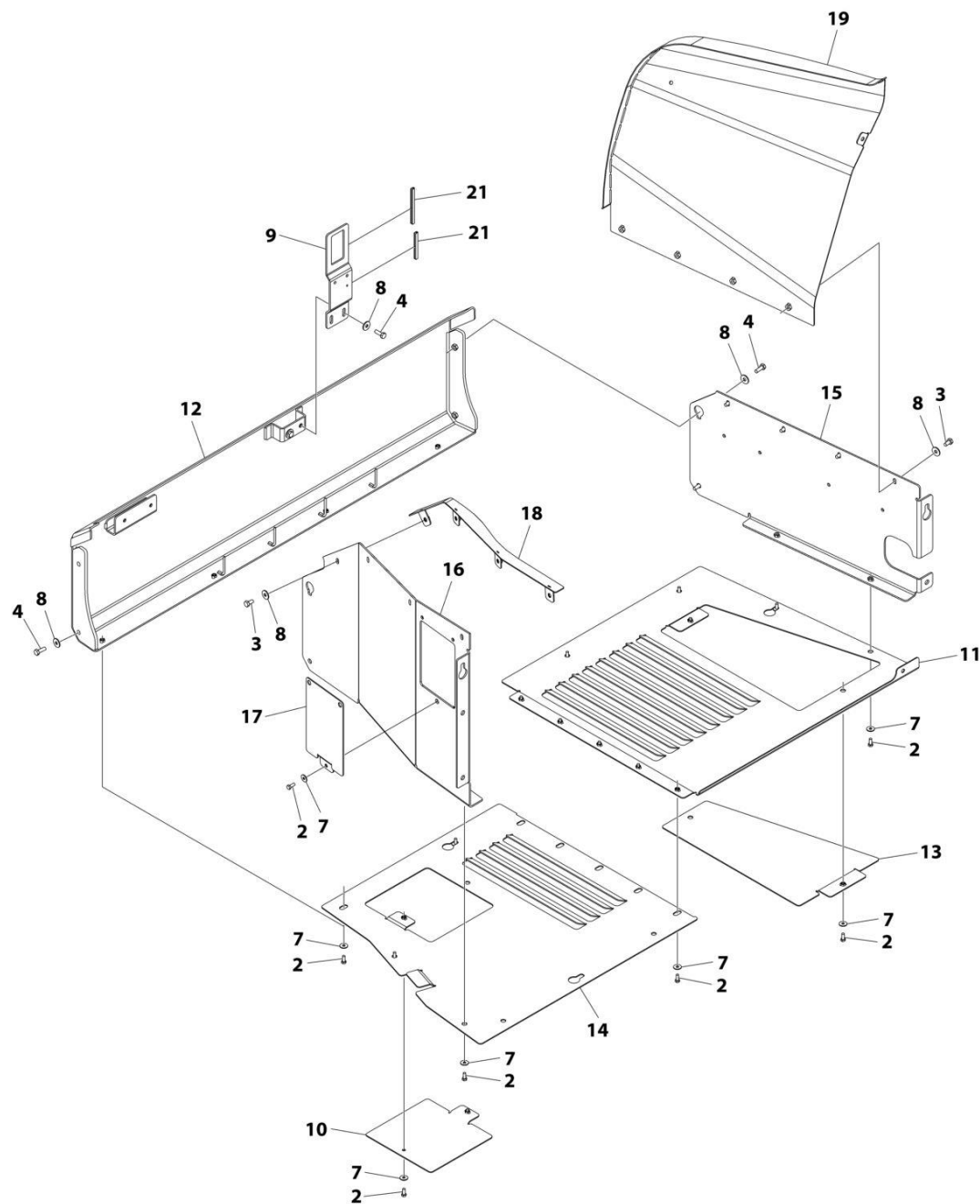
SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-2. ENGINE ENCLOSURE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242689	Ref	Engine Enclosure Installation	B
1	0760810	3	Bolt, M8X20	
2	0761012	6	Bolt, M10X25	
3	4811902	3	Washer, M8	
4	4812002	7	Washer, M10	
5	1001236131	1	Installation, Enclosure Skirt (See Separate Breakdown in this Section)	
6	1001239257	1	Installation, Hood (See Separate Breakdown in this Section)	
7	0761010	1	Bolt, M10X20	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-3. ENCLOSURE SKIRT INSTALLATION



ART_1001236131

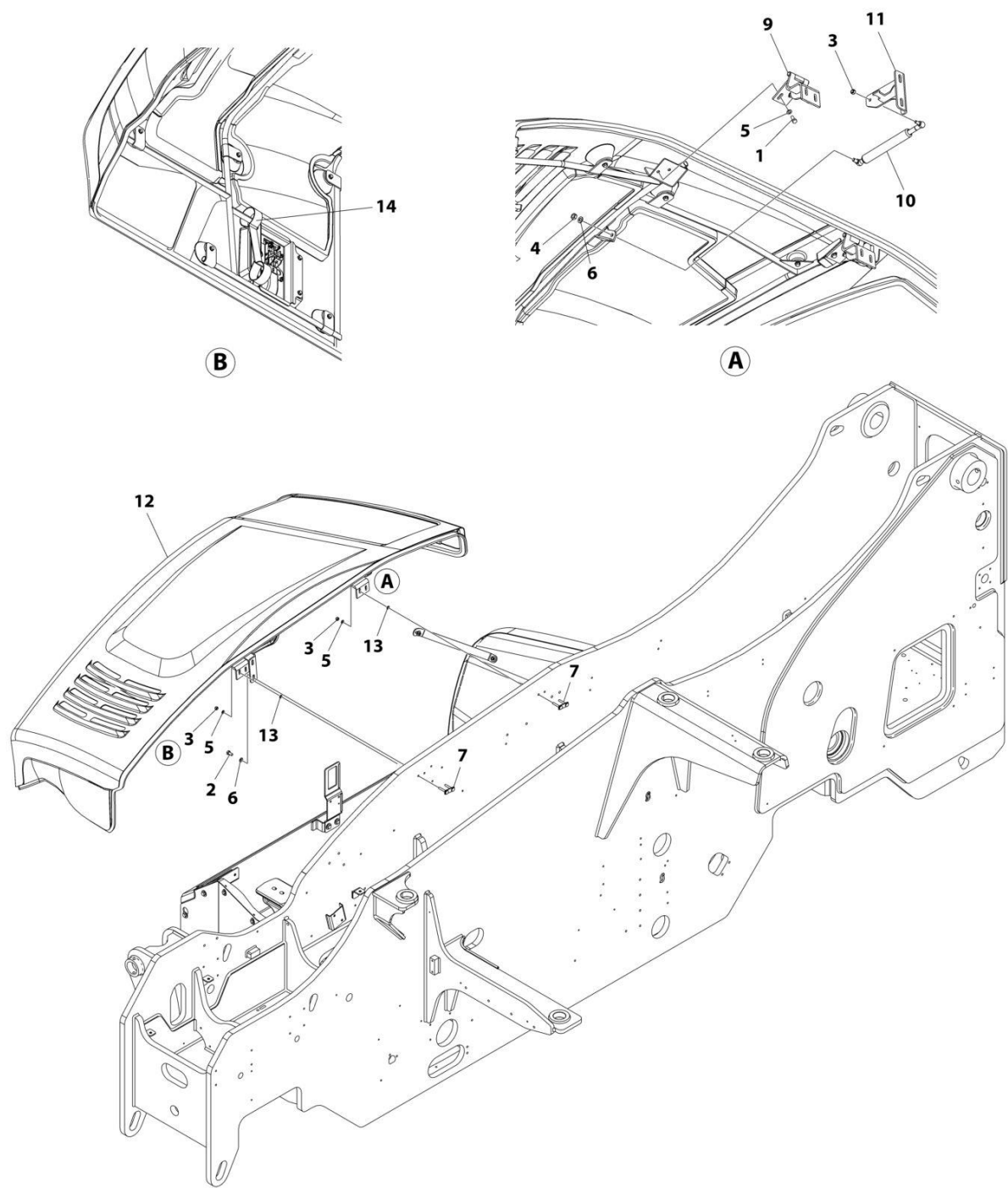
SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-3. ENCLOSURE SKIRT INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236131	Ref	ENCLOSURE SKIRT INSTALLATION	C
2	0760810	20	Bolt M8 x 20	
3	0761010	8	Bolt M10 x 20	
4	0761014	6	Bolt M10 x 30	
7	4811902	20	Washer M8	
8	4812002	14	Washer M10	
9	1001154688	1	Plate, Latch	
10	1001194969	1	Plate, Access Panel	
11	1001242690	1	Panel, Bottom Cover Assembly	
12	1001242692	1	Panel, Side Skirt Assembly	
13	1001242719	1	Plate, Access Panel	
14	1001242721	1	Panel Bottom Cover Front	
15	1001242723	1	Panel, Rear Skirt	
16	1001242725	1	Panel, Front Skirt	
17	1001246770	1	Plate, Access Panel	
18	1001246771	1	Mount	
19	1001246801	1	Panel, Rear Cover	
21	4060804	235 mm	Shield	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-4. HOOD INSTALLATION



ART_1001239257

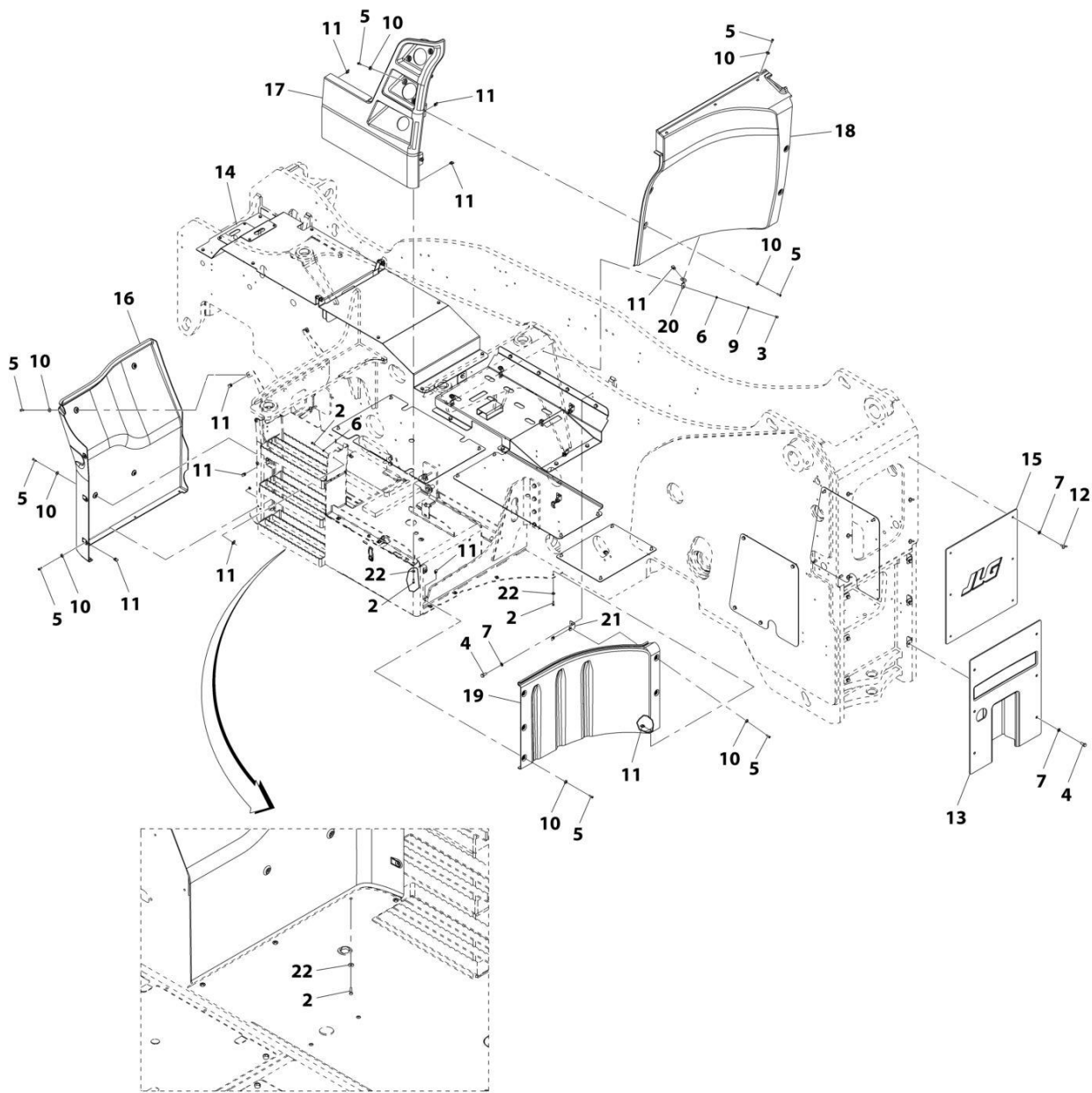
SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-4. HOOD INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239257	Ref	HOOD INSTALLATION	C
1	0760810	4	Bolt M8 x 20	
2	0761010	2	Bolt M10 x 20	
3	3290805	5	Nut M8 x 1.25	
4	3291001	1	Nut M10 x 1.5	
5	4811900	8	Washer M8	
6	4812000	3	Washer M10	
7	1001195587	2	Brace, Hood Hinge	
9	1001205080	2	Hinge, Hood	
10	1001257090	1	Spring	
11	1001239256	1	Bracket	
12	1001246800	1	Hood Assembly	
13	1001256264	4	Washer M8	
14	1001265032	1	Strap, Hand Pull	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-5. CLOSURE INSTALLATION



ART_1001246734-D

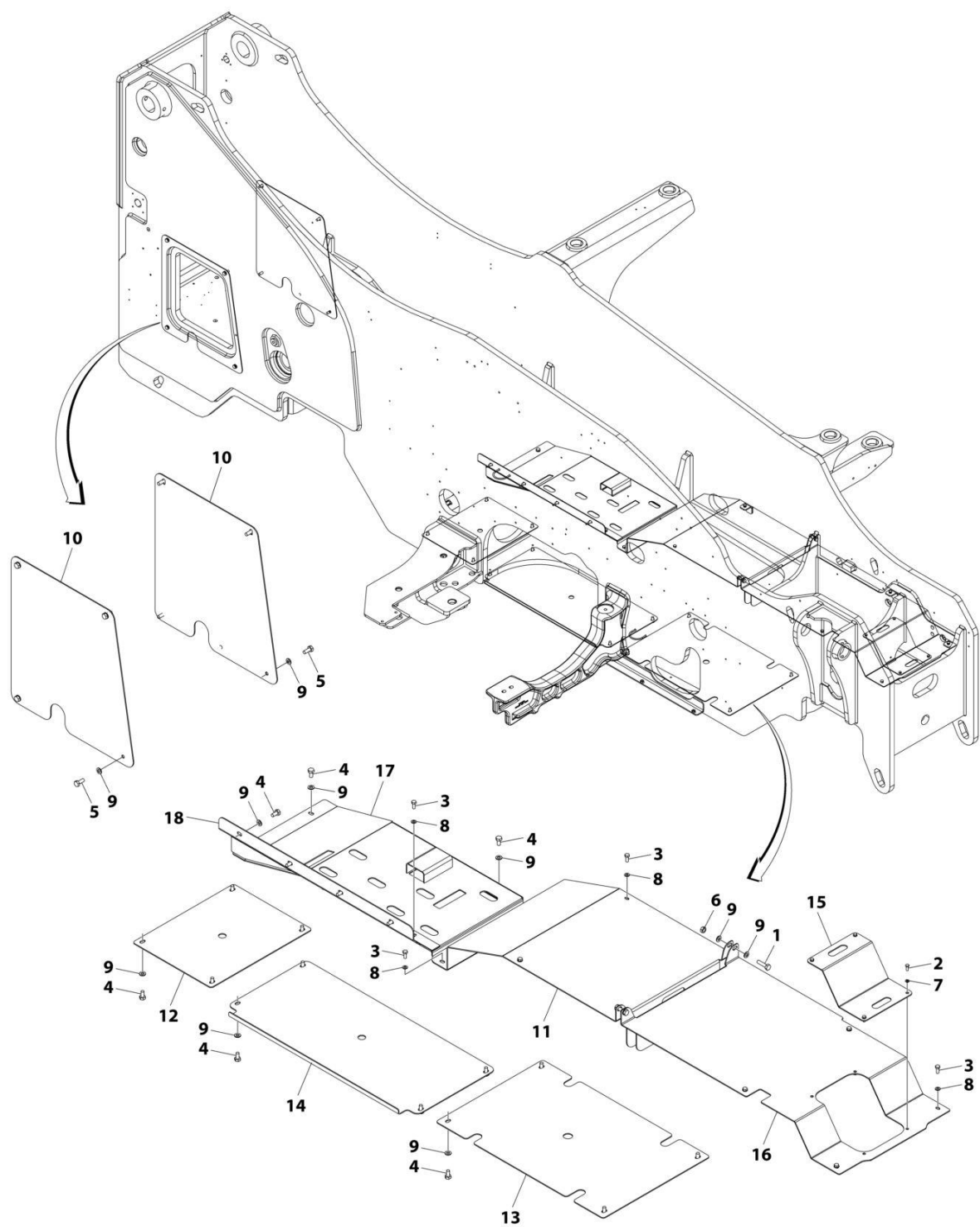
SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-5. CLOSURE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246734	Ref	Closures Installation	D
2	0700610	12	Bolt, M6X20	
3	0760607	3	Bolt, M6X14	
4	0761012	10	Bolt, M10X25	
5	3900379	23	Screw, M6-1X25	
6	4811700	4	Washer, M6	
7	4812000	16	Washer, M10	
9	4831700	3	Washer, Lock M6	
10	1001097540	23	Washer, M6	
11	1001130220	28	Nut, M6	
12	1001250708	6	Bolt, M8X20	
13	1001246376	1	Cover, Rear Frame	
14	1001239507	1	Installation, Frame Covers (See Separate Breakdown in this Section)	
15	1001246375	1	Cover, Rear Frame	
16	1001247056	1	Cover, Lower Front	
17	1001247103	1	Cover, Side Tank	
18	1001247148	1	Cover, Rear Tank	
19	1001247199	1	Cover, Lower Rear Tank	
20	1001247384	3	Bracket	
21	1001247414	4	Bracket	
22	4811702	11	Washer, M6	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-6. FRAME COVER INSTALLATION



ART_1001239507_E

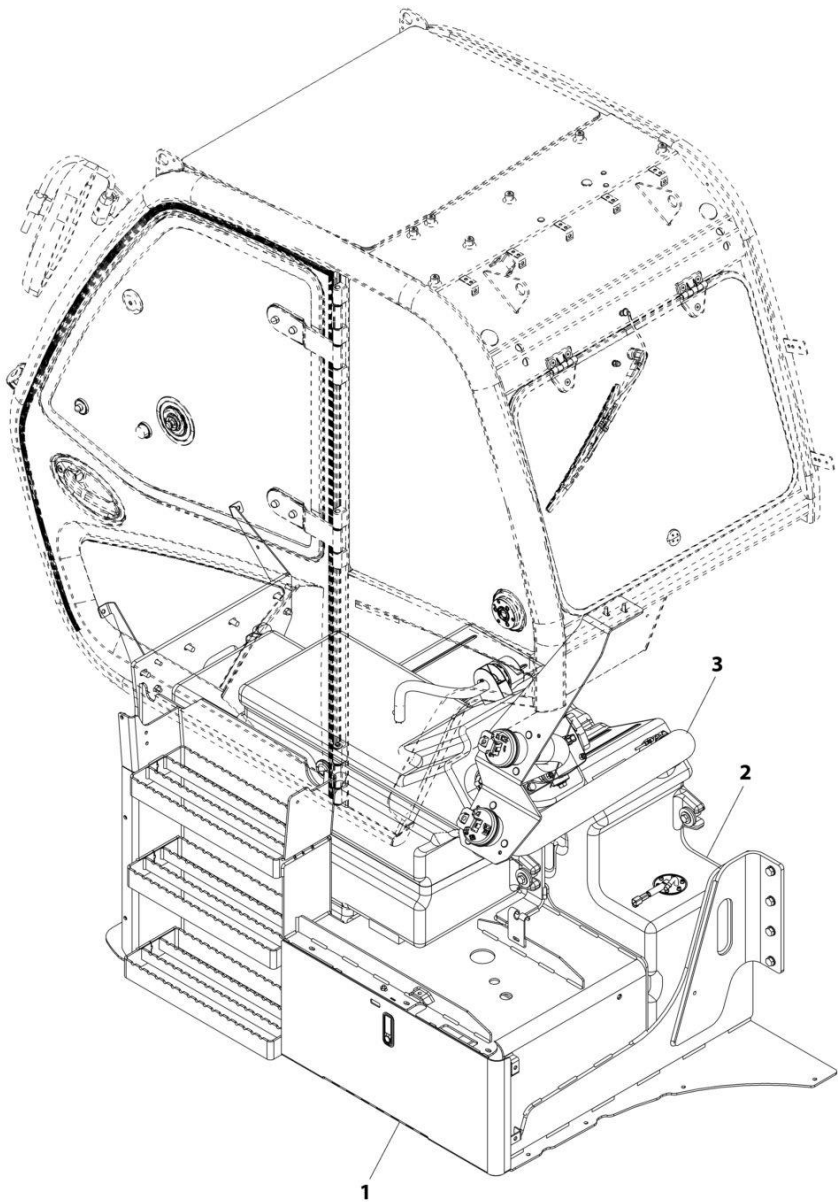
SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-6. FRAME COVER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239507	Ref	FRAME COVER INSTALLATION	E
1	0701016	2	Bolt M10 x 40	
2	0760608	4	Bolt M6 x 16	
3	0760810	10	Bolt M8 x 20	
4	0761010	20	Bolt M10 x 20	
5	0761012	8	Bolt M10 x 25	
6	3291001	2	Nut M10	
7	4811700	4	Washer M6	
8	4811900	10	Washer M8	
9	4812000	32	Washer M10	
10	1001239486	2	Plate, Frame Cover	
11	1001239488	1	Plate, Frame Cover	
12	1001239490	1	Plate, Frame Cover	
13	1001239491	1	Plate, Frame Cover	
14	1001239492	1	Plate, Frame Cover	
15	1001245200	1	Plate, Frame Cover	
16	1001245201	1	Assembly, Frame Cover	
17	1001245707	1	Assembly, Frame Cover	
18	1001239489	1	Plate, Frame Cover	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-7. TANKS INSTALLATION



ART_1001205203-A

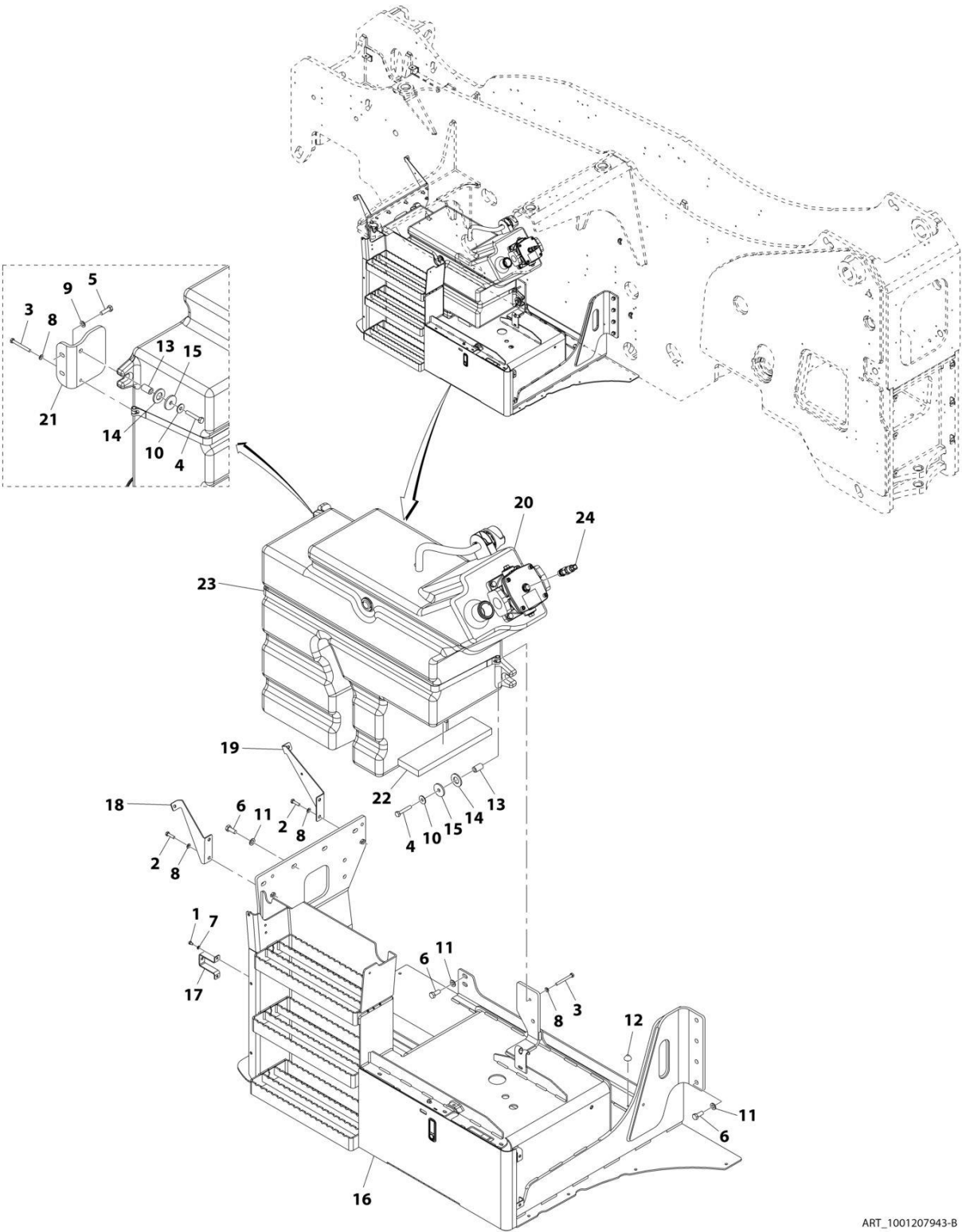
SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-7. TANKS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001205203	Ref	Tanks Installation	A
	1001207943	1	Installation, Hydraulic Tank (See Separate Breakdown in this Section)	
2	1001246825	1	Installation, Fuel Tank (See Separate Breakdown in this Section)	
3	1001246830	1	Installation, Remote Fill (See Separate Breakdown in this Section)	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-8. HYDRAULIC TANK INSTALLATION



ART_1001207943-B

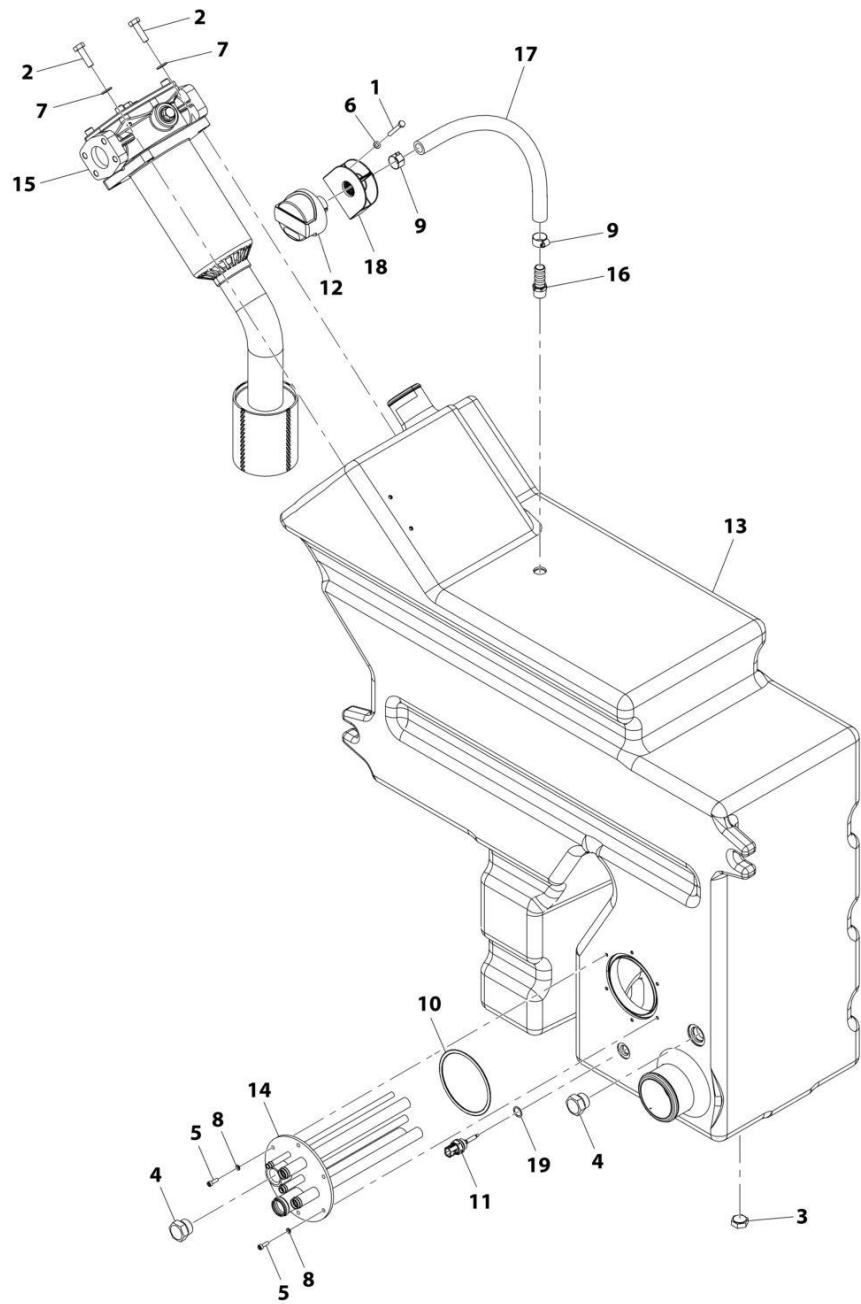
SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-8. HYDRAULIC TANK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001207943	Ref	Hydraulic Tank Installation	B
1	0700605	4	Bolt, M6X10	
2	0700814	4	Bolt, M8X30	
3	0760823	2	Bolt, M8X75	
4	0701020	2	Bolt, M10X60	
5	0711015	2	Bolt, M10X35	
6	0761214	10	Bolt, M12X30	
7	4811700	4	Washer, M6	
8	4811900	6	Washer, M8	
9	4812000	2	Washer, M10	
10	4812002	2	Washer, M10	
11	4812100	10	Washer, M12	
12	1001169454	4	Buffer	
13	1001171179	2	Spacer	
14	1001172146	2	Washer, Rubber	
15	1001172147	2	Washer, M10	
16	1001205205	1	Support	
17	1001206850	2	Support	
18	1001206875	1	Support	
19	1001206876	1	Support	
20	1001207944	1	Tank (See Separate Breakdown in this Section)	
21	1001208026	1	Bracket	
22	1001208674	1	Insulate, Oil Tank	
23	1001208676	1	Strap	
24	1001255573	1	Switch, Pressure	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-9. HYDRAULIC TANK ASSEMBLY



ART_1001207944-F

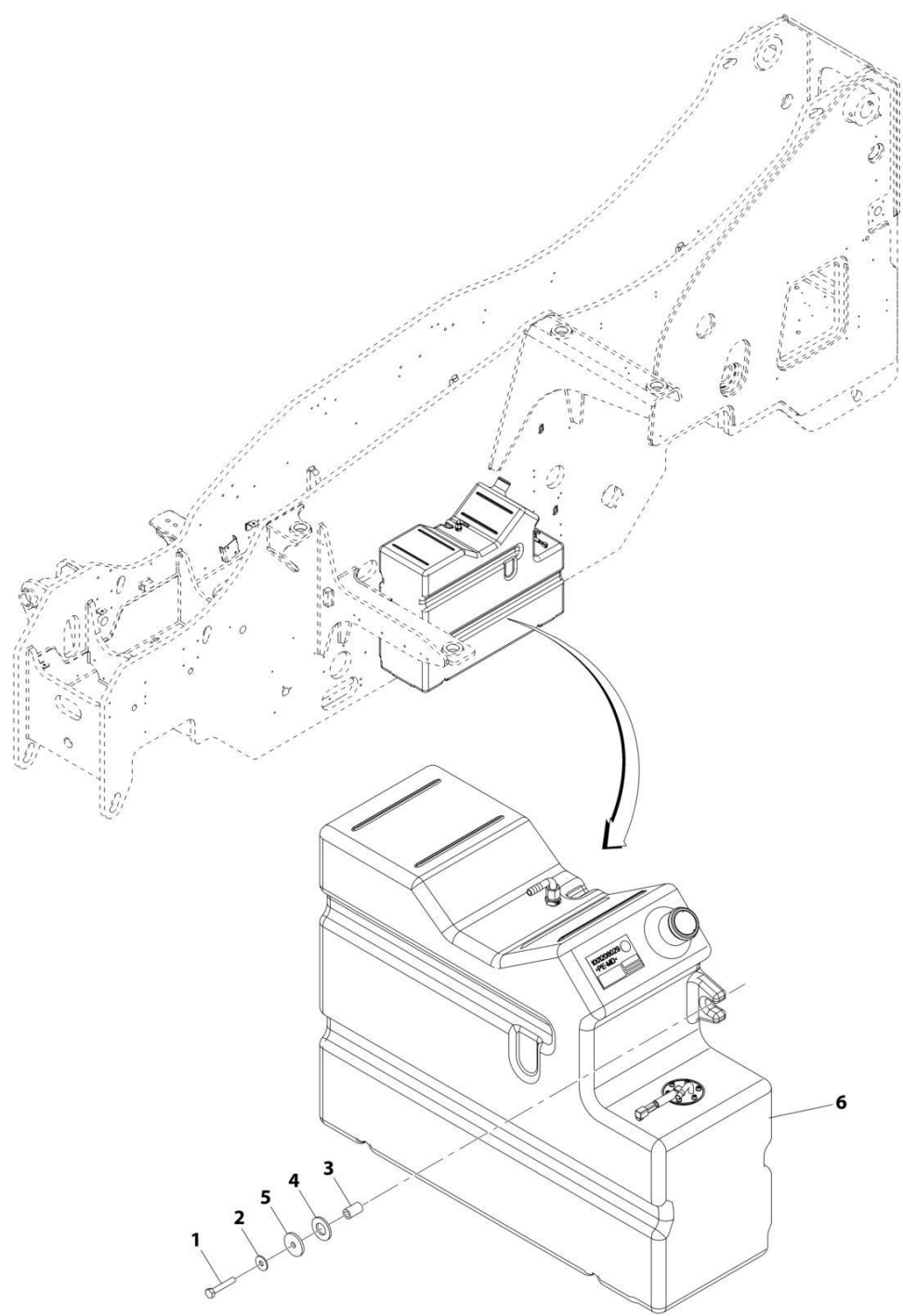
SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-9. HYDRAULIC TANK ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001207944	Ref	Hydraulic Tank Assembly	F
1	0700617	2	Bolt, M6X45	
2	0711015	4	Bolt, M10X35	
3	2220239	1	Plug	
4	2220240	2	Plug	
5	4031607	6	Bolt, M5X16	
6	4811700	2	Washer, M6	
7	4812000	4	Washer, M10	
8	4831600	6	Washer, Lock M5	
9	8405006	2	Clamp, Gear	
10	1001003301	1	Seal O-Ring	
11	1001128478	1	Sensor, Temperature	
12	1001187877	1	Filter, Breather	
13	1001207945	1	Tank, Hydraulic	
14	1001191157	1	Manifold, Hydraulic Return	
15	1001243844	1	Filter	
16	1001239853	1	Straight, Adapter	
17	1001239856	1	Hose	
18	1001241350	1	Filter, Remote	
19	1001009163	1	O-Ring	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-10. FUEL TANK INSTALLATION



ART_1001246825-A

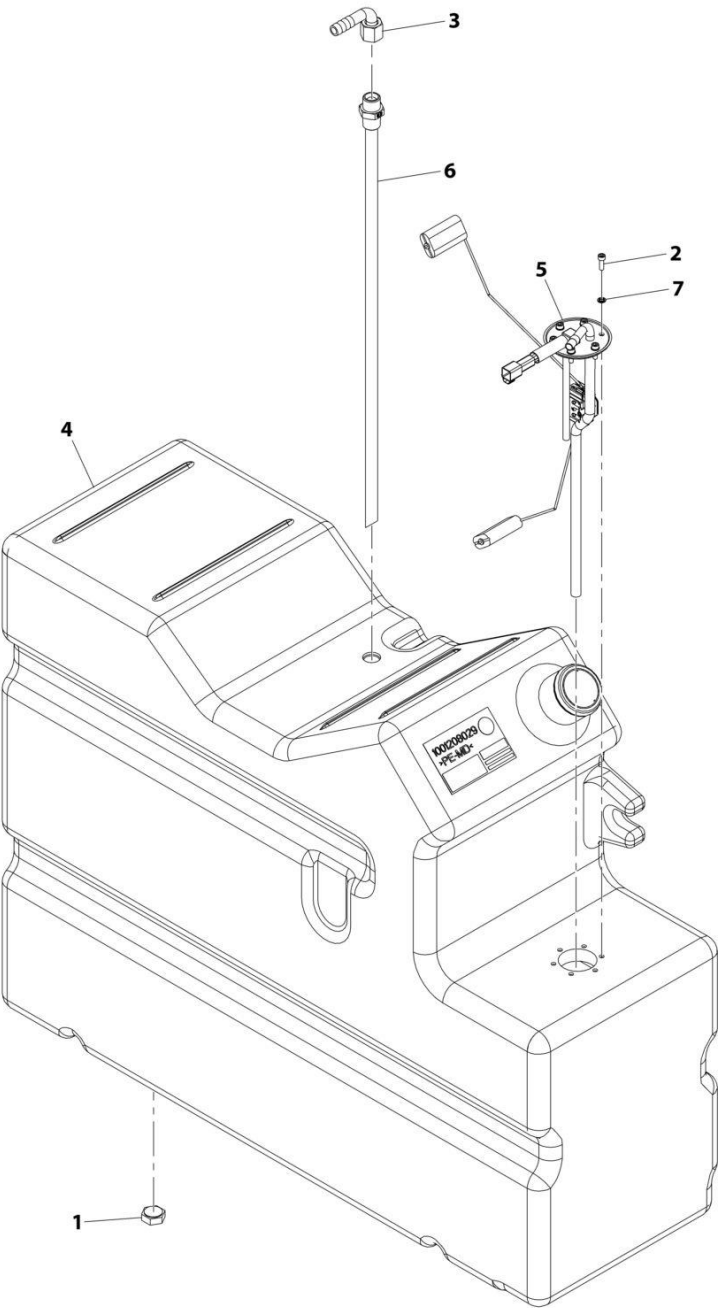
SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-10. FUEL TANK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246825	Ref	Fuel Tank Installation	A
1	0701020	2	Bolt, M10X60	
2	4812002	2	Washer, M10	
3	1001171179	2	Spacer	
4	1001172146	2	Washer, Rubber	
5	1001172147	2	Washer, M10	
6	1001208028	1	Assembly, Fuel Tank (See Separate Breakdown in this Section)	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-11. FUEL TANK ASSEMBLY



ART_1001208028-C

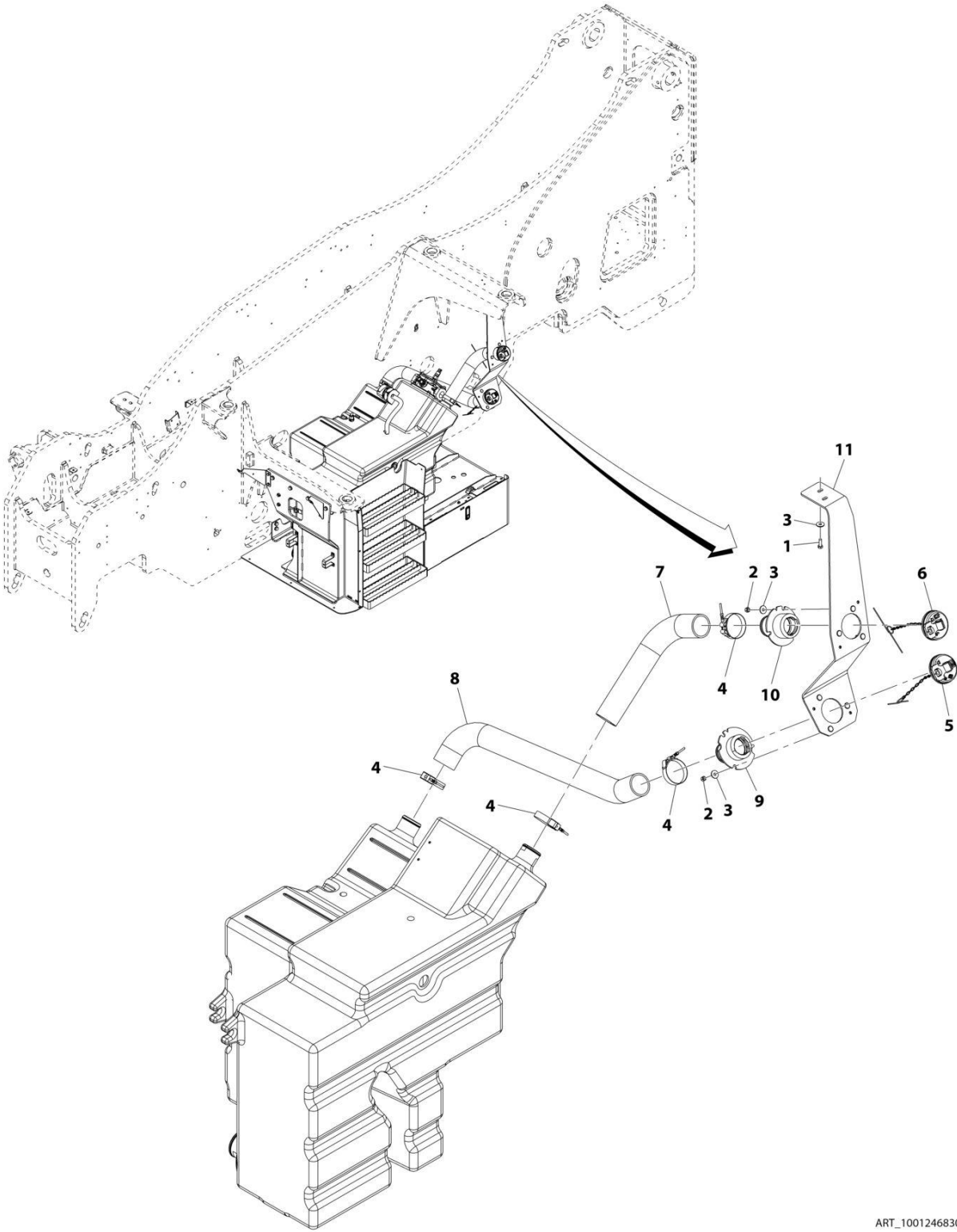
SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-11. FUEL TANK ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001208028	Ref	Fuel Tank Assembly	C
1	2220239	1	Plug	
2	4031607	6	Bolt, M5X16	
3	1001172693	1	Fitting, 90	
4	1001208029	1	Tank, Fuel	
5	1001222188	1	Sender, Fuel Level	
6	1001241324	1	Pipe, Fuel Supply	
7	1001222190	6	Washer	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-12. REMOTE FILL INSTALLATION



ART_1001246830-B

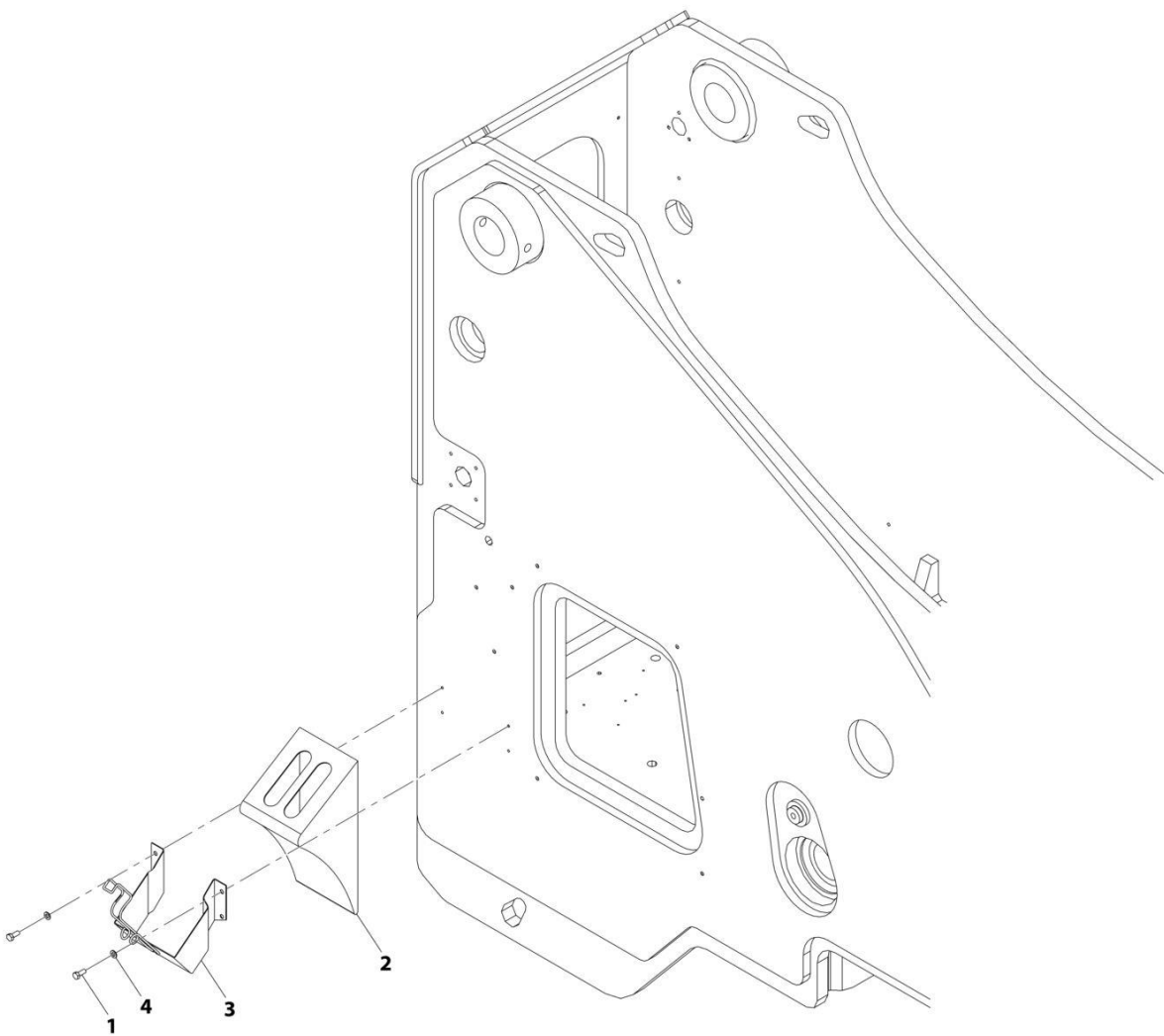
SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-12. REMOTE FILL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246830	Ref	Remote Fill Installation	B
1	0700812	2	Bolt, M8X25	
2	3290805	6	Nut, M8X1.25	
3	4811902	8	Washer, M8	
4	1001014233	4	Clamp	
5	1001194980	1	Cap	
6	1001194981	1	Cap, Hydraulic	
7	1001207947	1	Filter, Hose	
8	1001208031	1	Filler, Pipe	
9	1001244443	1	Adapter	
10	1001244459	1	Adapter	
11	1001244517	1	Support, Filler	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-13. WHEEL CHOCK INSTALLATION



ART_1001207689-B

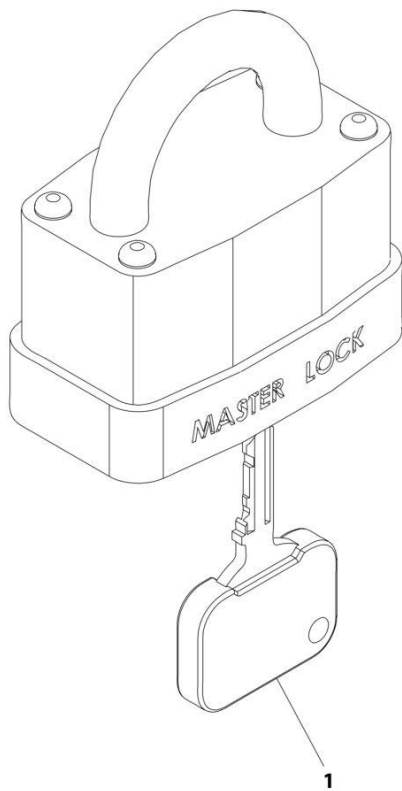
SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-13. WHEEL CHOCK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001207689	Ref	Wheel Chock Installation	B
1	0760810	8	Bolt, M8X20	
2	806253	2	Wedge	
3	806264	2	Holder, Wedge	
4	4811900	8	Washer, M8	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-14. PAD LOCK



ART_1001102157-A

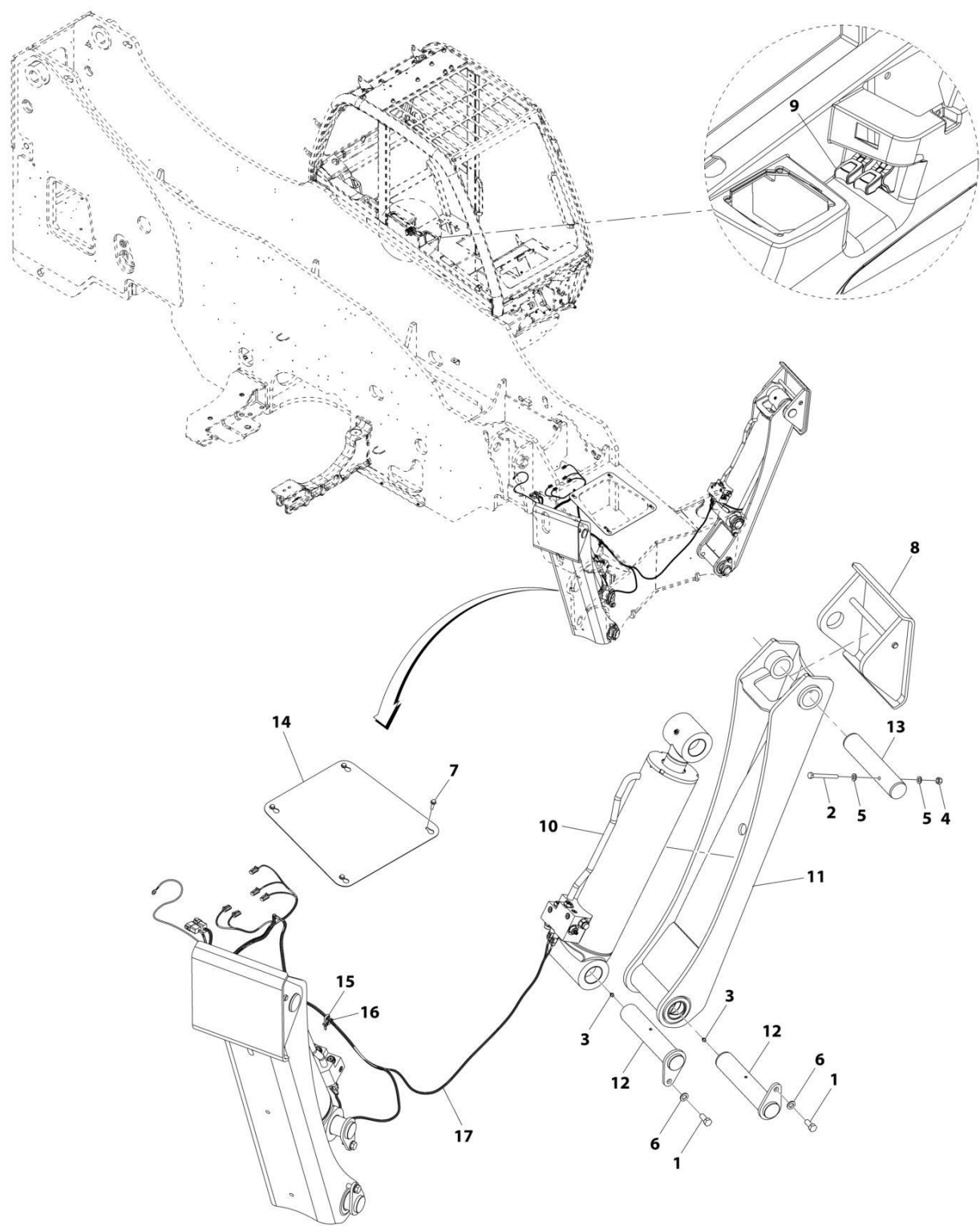
SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-14. PAD LOCK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001102157 8342813	Ref 1	Pad Lock Key	A

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-15. OUTRIGGERS INSTALLATION



ART_1001245340-C

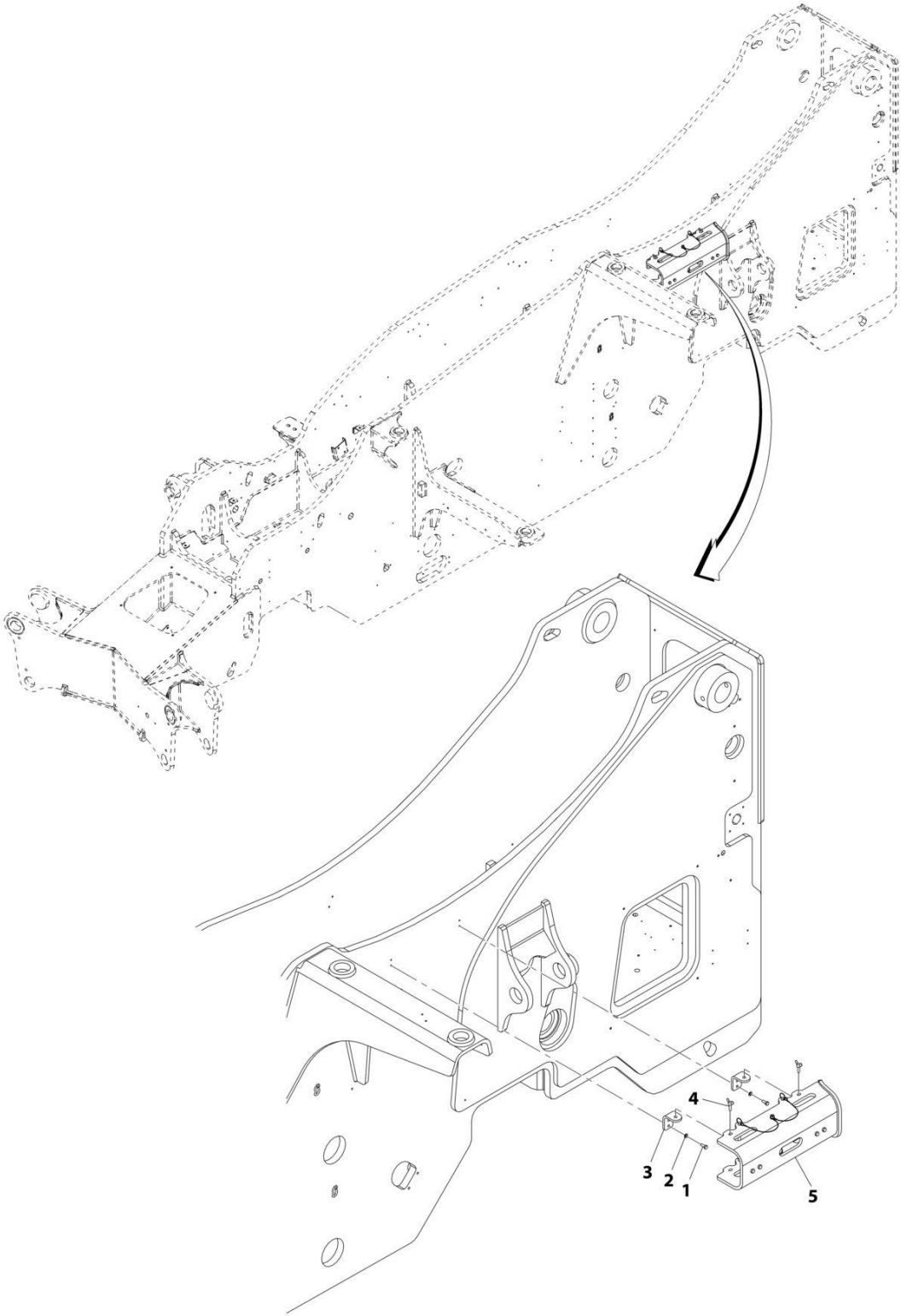
SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-15. OUTRIGGERS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245340	Ref	Outriggers Installation	C
1	0761615	4	Bolt, M16X35	
2	0711228	2	Bolt, M12X110	
3	2160016	4	Fitting, Grease	
4	3291205	2	Nut M12	
5	4812100	4	Washer, M12	
6	4812300	4	Washer, M16	
7	5250814	4	Bolt, M8X30	
8	1001161564	2	Weldment, Outrigger Pad	
9	1001174478	1	Installation, Outrigger Switches (See Separate Breakdown in ELECTRICAL Section)	
10	1001238827	2	Installation, Outrigger Cylinder (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
11	1001245341	2	Arm, Stabilizer	
12	1001245348	4	Pin, Outrigger	
13	1001245351	2	Pin, Pad	
14	1001245352	1	Plate, Valve Cover	
15	1001008559	1	Tie-Strap	
16	1001202986	1	Push Mount, Strap	
17	1001239952	1	Harness, Outrigger (See Separate Breakdown in ELECTRICAL Section)	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-16. BOOM PROP INSTALLATION



ART_1001207627-A

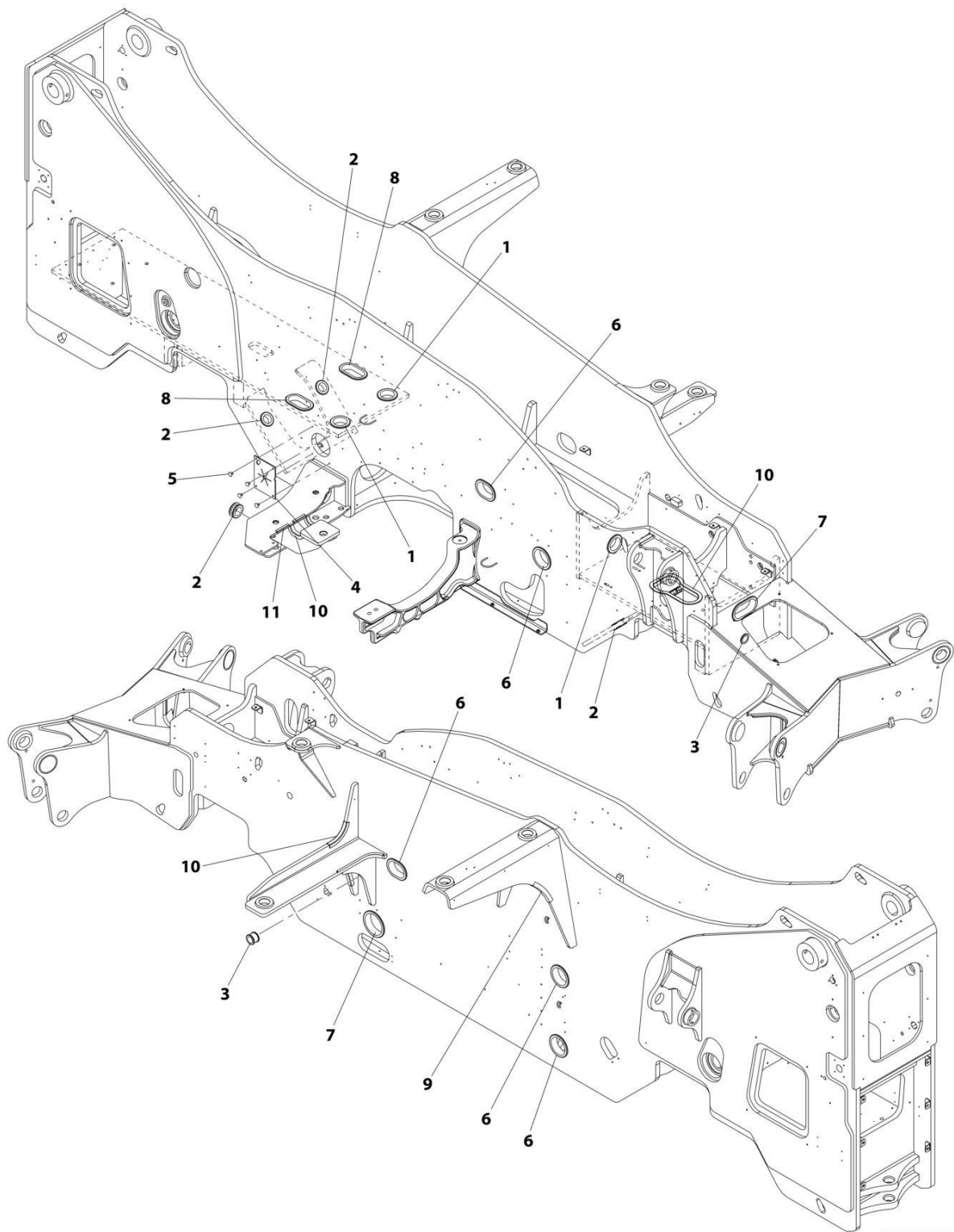
SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-16. BOOM PROP INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001207627	Ref	Boom Prop Installation	A
1	0760810	4	Bolt, M8X20	
2	4811900	4	Washer, M8	
3	1001193887	2	Bracket	
4	1001228860	2	Bolt, Wing M8X30	
5	1001248853	1	Bracket, Boom Prop	

SECTION 1 - FRAME AND ATTACHING PARTS

FIGURE 1-17. GROMMETS INSTALLATION



ART_1001246532-B

SECTION 1 - FRAME AND ATTACHING PARTS

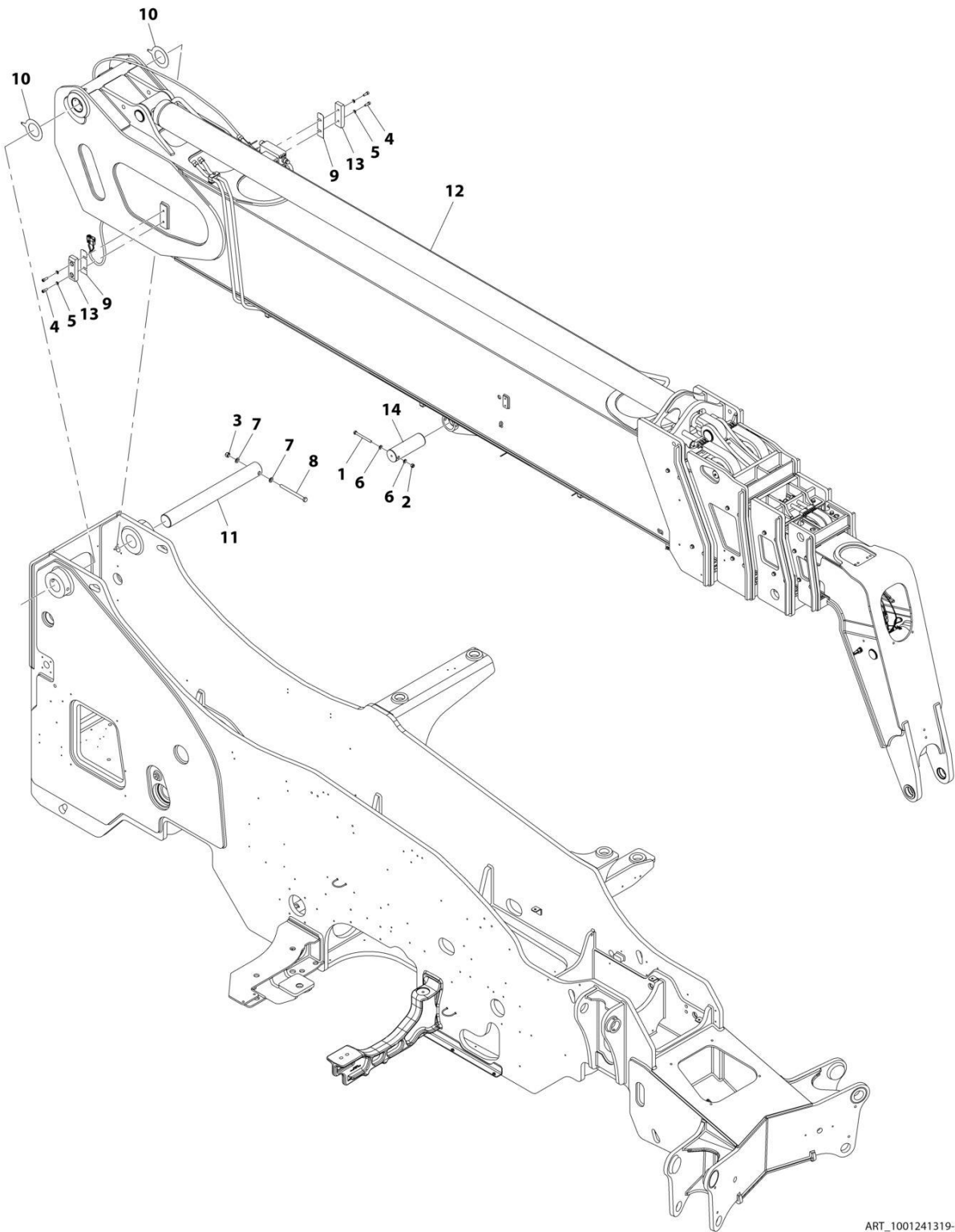
FIGURE 1-17. GROMMETS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246532	Ref	Grommets Installation	B
1	1001028291	3	Grommet	
2	1001028308	5	Grommet, Rubber	
3	1001028400	2	Grommet, Rubber	
4	1001175347	1	Rubber, Grommet Over Frame Hole	
5	1001180306	4	Screw	
6	1001241314	5	Grommet, Rubber	
7	1001241315	2	Grommet, Rubber	
8	1001028377	2	Grommet, Rubber	
9	4060918	181 mm	Trim	
10	4060919	1448 mm	Trim	
11	90206202	180 mm	Trim Lock	

SECTION 2 - BOOM

SECTION 2 - BOOM

FIGURE 2-1. BOOM INSTALLATION



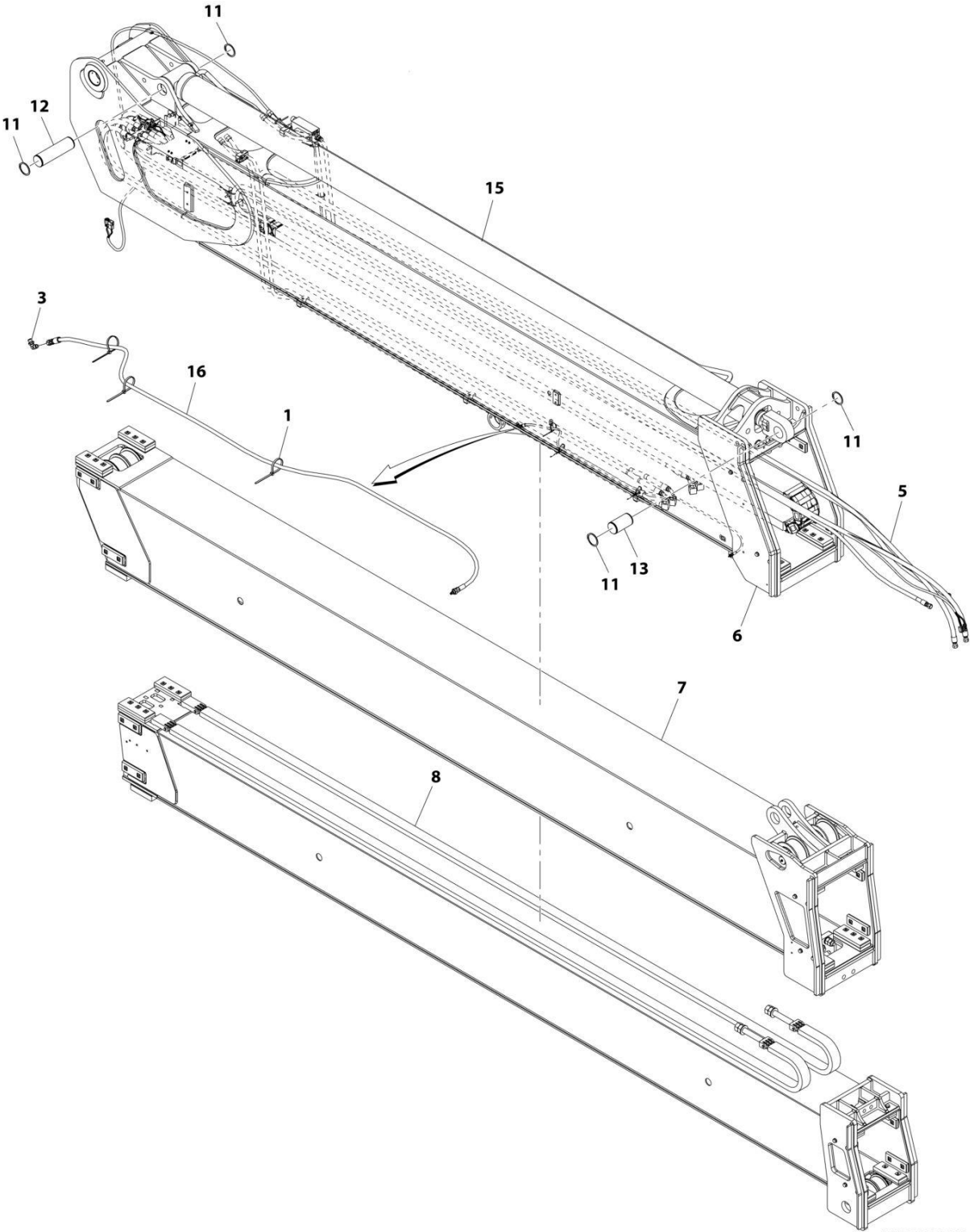
ART_1001241319-A

FIGURE 2-1. BOOM INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001241319	Ref	Boom Installation	A
1	0711230	1	Bolt, M12X130	
2	3291205	1	Nut, Lock M12X1.75	
3	3291605	1	Nut, Lock M16X2	
4	4032010	4	Bolt, M10X30	
5	4812000	4	Washer, M10	
6	4812100	2	Washer, M12	
7	4812300	2	Washer, M16	
8	1001091951	1	Bolt, M16X200	
9	1001219905	AR	Shim	
10	1001219953	AR	Shim, Boom Pivot	
11	1001232801	1	Pin, Boom Pivot	
12	1001237114	1	Boom Assembly (See Separate Breakdown in this Section)	
13	1001239682	2	Pad	
14	1001242105	1	Pin, Lift Cylinder	

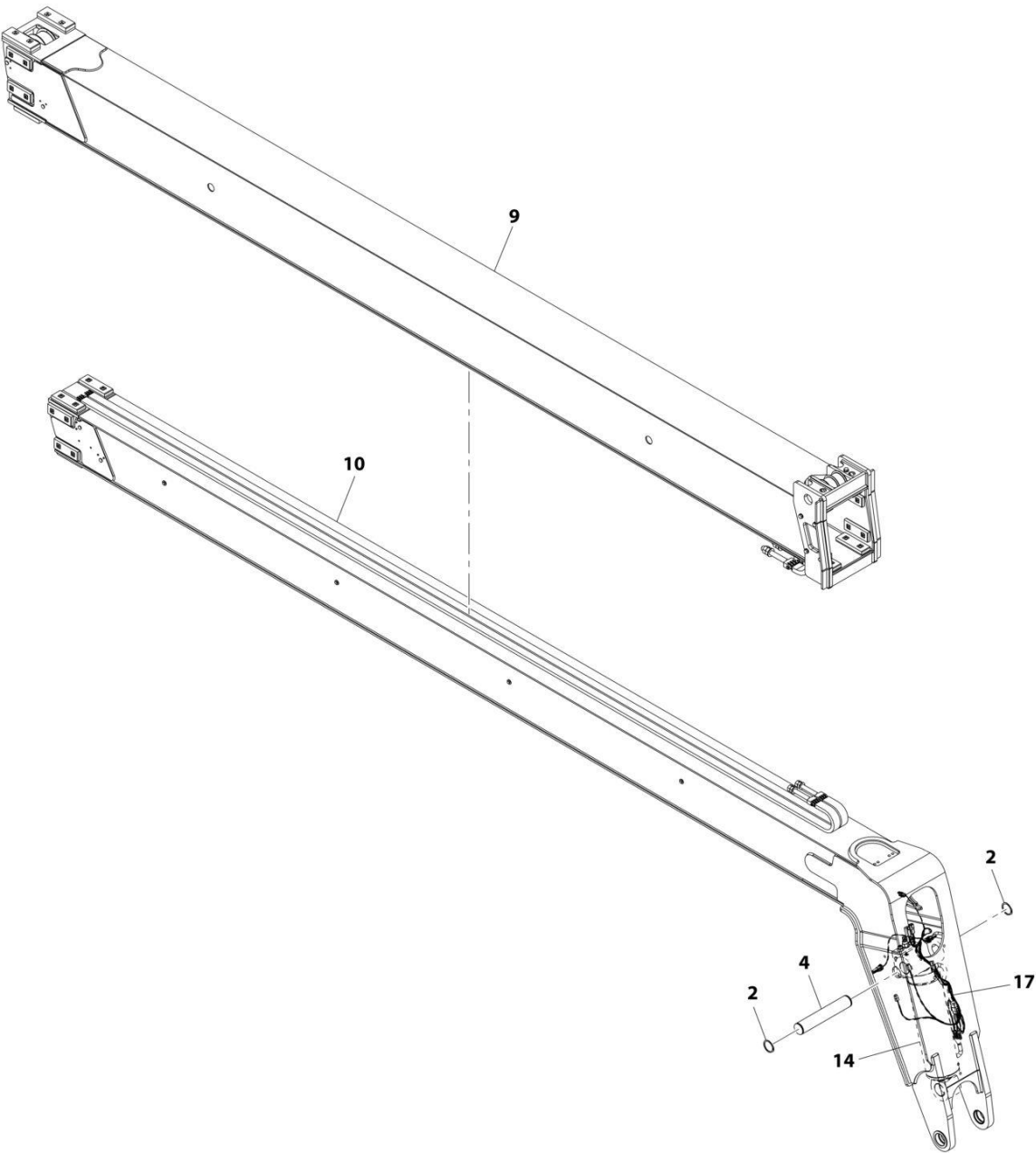
SECTION 2 - BOOM

FIGURE 2-2. BOOM ASSEMBLY



ART_1001237114_1-8

SECTION 2 - BOOM



ART_1001237114_2-B

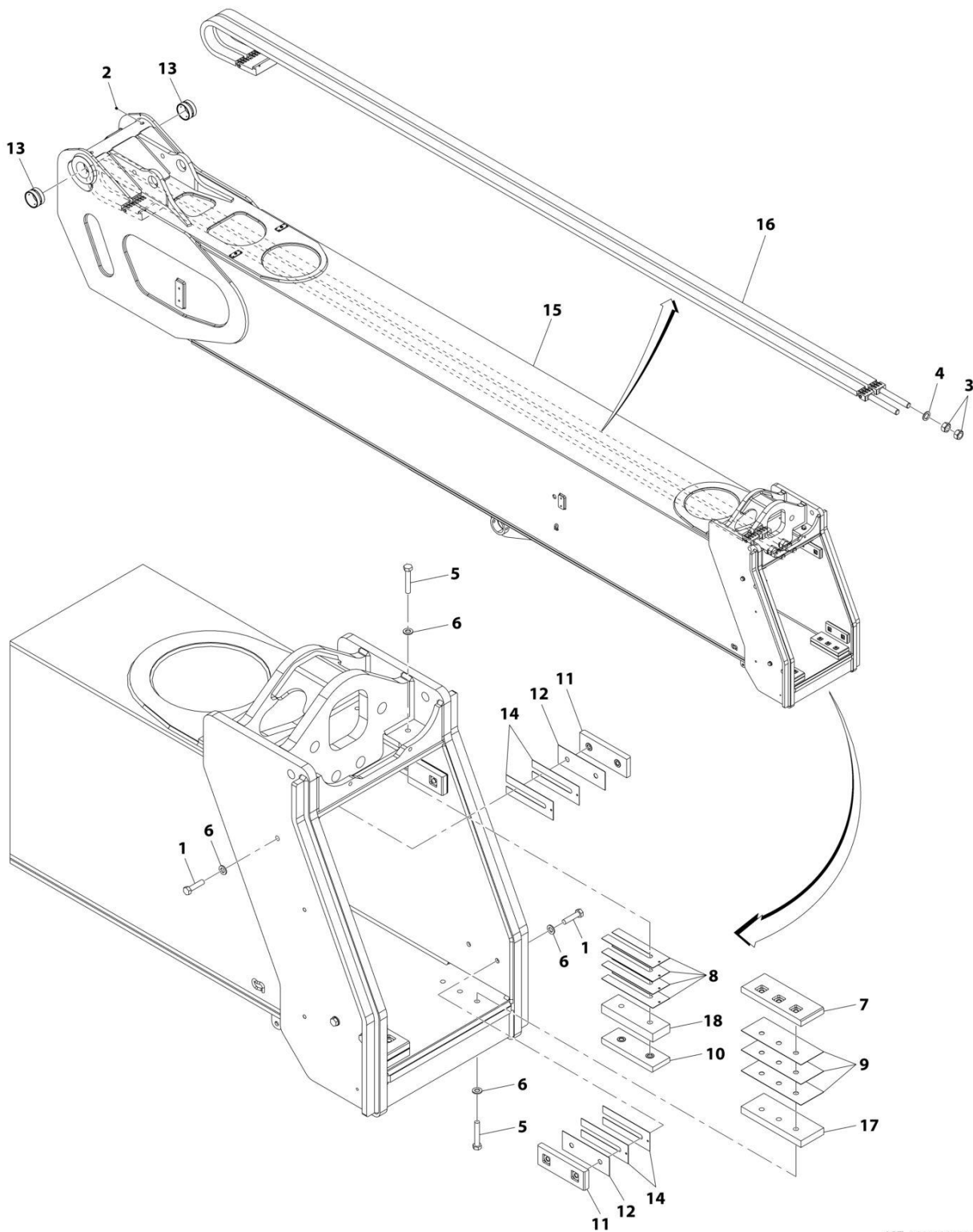
SECTION 2 - BOOM

FIGURE 2-2. BOOM ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237114	Ref	Boom Assembly	B
1	471678	AR	Strap, Tie	
2	3760463	2	Ring, Retaining M60	
3	8770215	1	Elbow, 90	
4	1001173538	1	Pin, Tilt	
5	1001238195	1	Boom Hydraulic Installation, Boom Hydraulic (See Separate Breakdown in Hydraulic Circuits Section)	
6	1001238393	1	Base Boom Section Assembly (See Separate Breakdown in this Section)	
7	1001238394	1	Second Boom Section Assembly (See Separate Breakdown in this Section)	
8	1001238395	1	Third Boom Section Assembly (See Separate Breakdown in this Section)	
9	1001238396	1	Fourth Boom Section Assembly (See Separate Breakdown in this Section)	
10	1001238397	1	Fly Boom Section Assembly (See Separate Breakdown in this Section)	
11	1001238413	4	Ring, Retaining	
12	1001241306	1	Pin	
13	1001241307	1	Pin	
14	1001242677	1	Tilt Cylinder Assembly (See Separate Breakdown in Hydraulic Components Section)	
15	1001242678	1	Extent/Retract Cylinder Assembly (See Separate Breakdown in Hydraulic Components Section)	
16	1001244542	1	Hose	
17	1001244648	1	Platform Harness (See Separate Breakdown in Electrical Section)	

SECTION 2 - BOOM

FIGURE 2-3. BASE BOOM SECTION ASSEMBLY



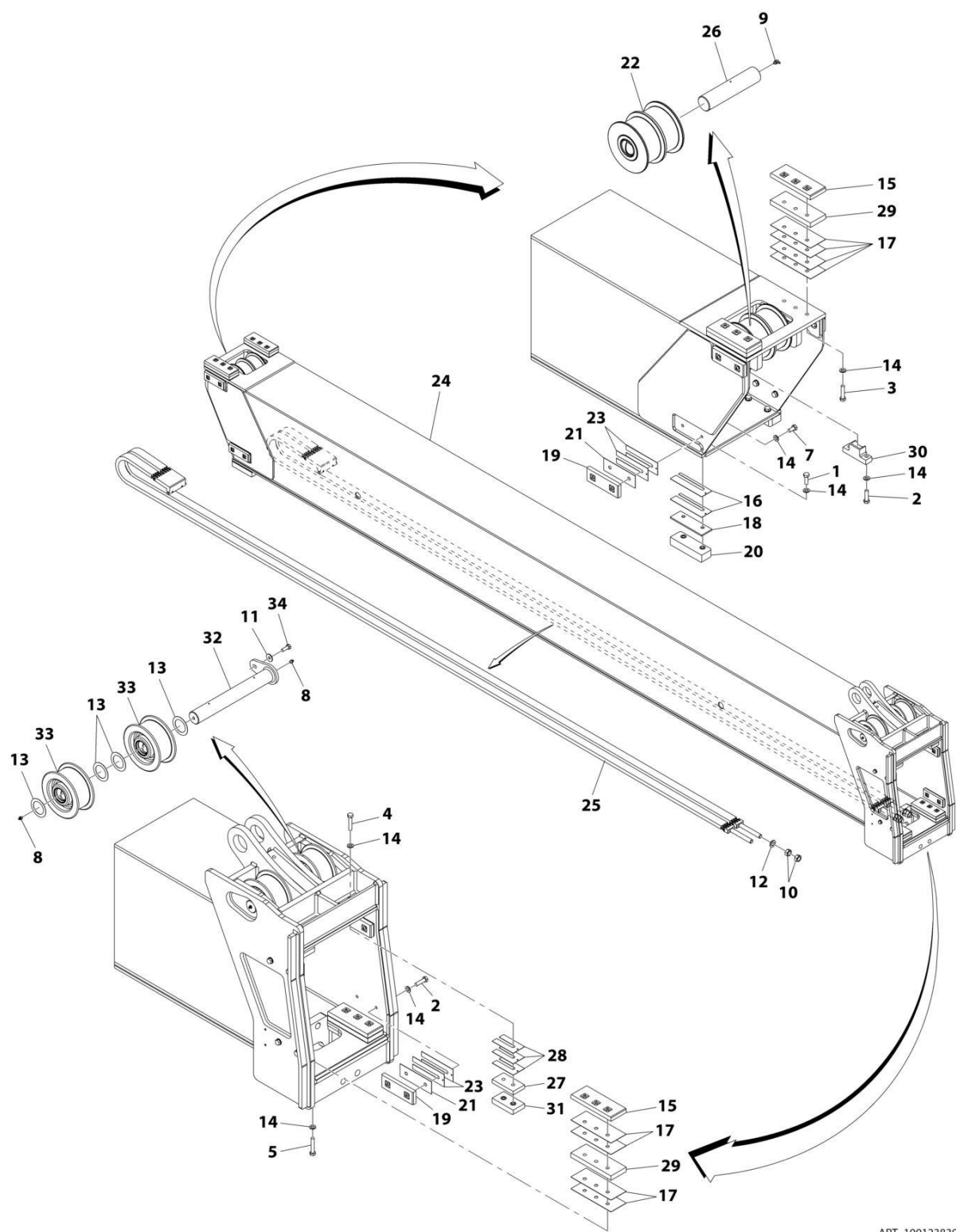
ART_1001238393-B

FIGURE 2-3. BASE BOOM SECTION ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238393	Ref	Base Boom Section Assembly	B
1	0711218	8	Bolt, M12X50	
2	2160016	2	Fitting, Grease	
3	3333011	4	Nut, M30	
4	1001097412	2	Washer	
5	1001098828	10	Bolt, M12-1.75X70	
6	1001125117	AR	Washer, M12	
7	1001162469	2	Pad, Wear	
8	1001163103	AR	Shim	
9	1001163112	6	Spacer	
10	1001165171	2	Pad, Wear	
11	1001165172	4	Pad, Wear	
12	1001165367	4	Spacer	
13	1001196235	2	Bearing	
14	1001200989	AR	Shim	
15	1001237246	1	Boom, Base Weld	
16	1001237387	1	Installation, Retract Chain (See Separate Breakdown in this Section)	
17	1001243451	2	Spacer	
18	1001244539	2	Block, Wear Pad	

SECTION 2 - BOOM

FIGURE 2-4. SECOND BOOM SECTION ASSEMBLY



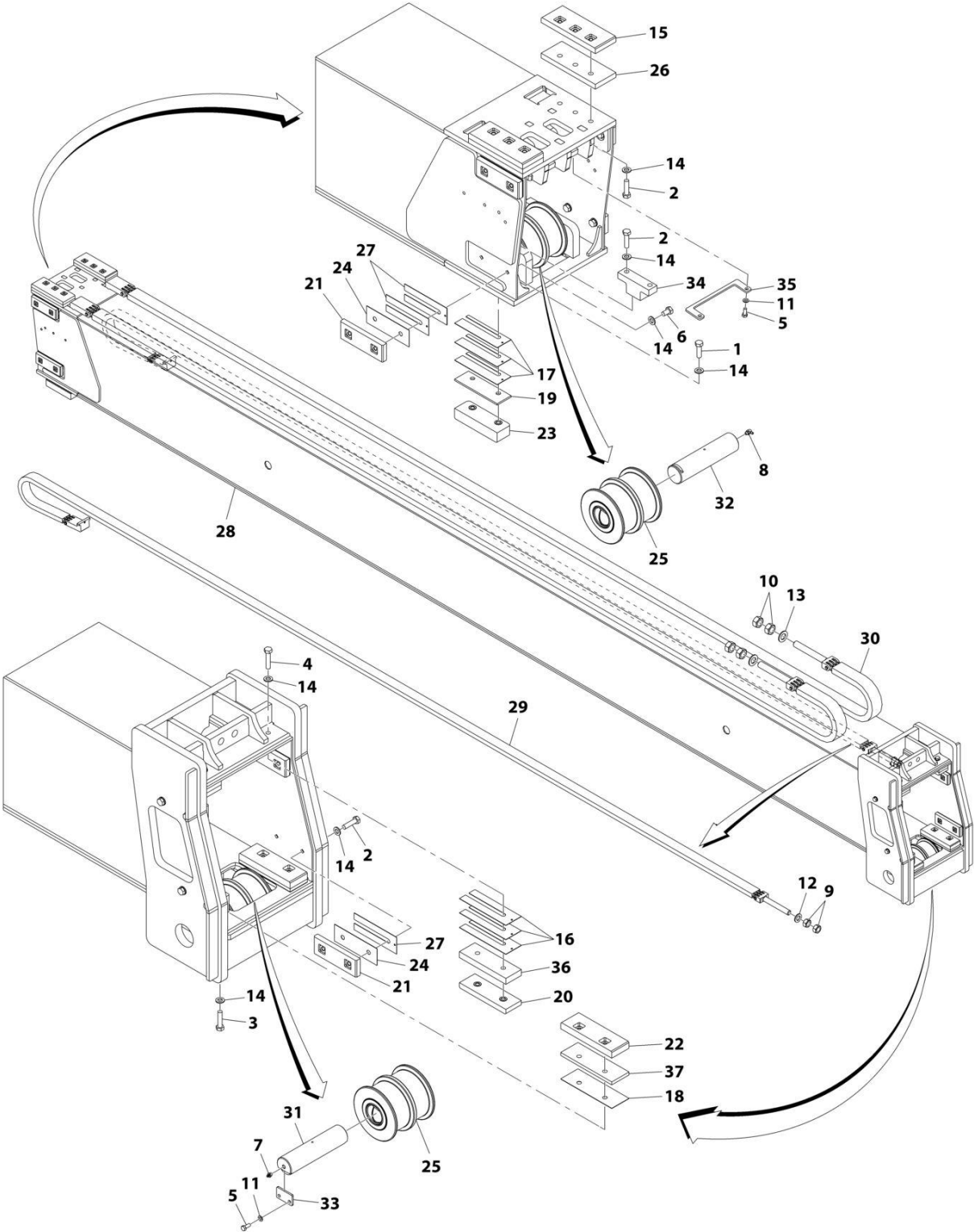
ART_1001238394-C

FIGURE 2-4. SECOND BOOM SECTION ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238394	Ref	Second Boom Section Assembly	C
1	0711215	4	Bolt, M12X35	
2	0711217	10	Bolt, M12X45	
3	0711219	6	Bolt, M12X55	
4	0711220	4	Bolt, M12X55	
5	0711221	6	Bolt, M12X65	
7	0771212	8	Bolt, M12X25	
8	2160016	2	Fitting, Grease	
9	8520003	1	Fitting, 90 Lube	
10	3332411	4	Nut, M24	
11	4812002	1	Washer, M10	
12	4812700	2	Washer, M24	
13	91041596	AR	Washer	
14	1001125117	AR	Washer, M12	
15	1001162469	4	Pad, Wear	
16	1001163104	AR	Shim	
17	1001163112	16	Spacer	
18	1001163114	2	Spacer	
19	1001165172	8	Pad, Wear	
20	1001165175	2	Pad, Wear	
21	1001165367	8	Spacer	
22	1001167027	1	Roller, Extend Chain	
23	1001200989	AR	Shim	
24	1001237247	1	Boom, Second Weld	
25	1001237389	1	Installation, Retract Chain (See Separate Breakdown in this Section)	
26	1001237678	1	Pin	
27	1001242579	2	Block, Wear Pad	
28	1001242580	AR	Shim	
29	1001243451	4	Spacer	
30	1001243467	1	Plate, Pin Locking	
31	1001243480	2	Pad, Wear	
32	1001245094	1	Pin, Extend Pulley	
33	91565005	2	Roller, Extend Chain	
33	91563025	2	Bushing (1 Per Assembly)	
33	91403119	4	Seall (2 Per Assembly)	
34	0711014	1	Bolt, M10X30	

SECTION 2 - BOOM

FIGURE 2-5. THIRD BOOM SECTION ASSEMBLY



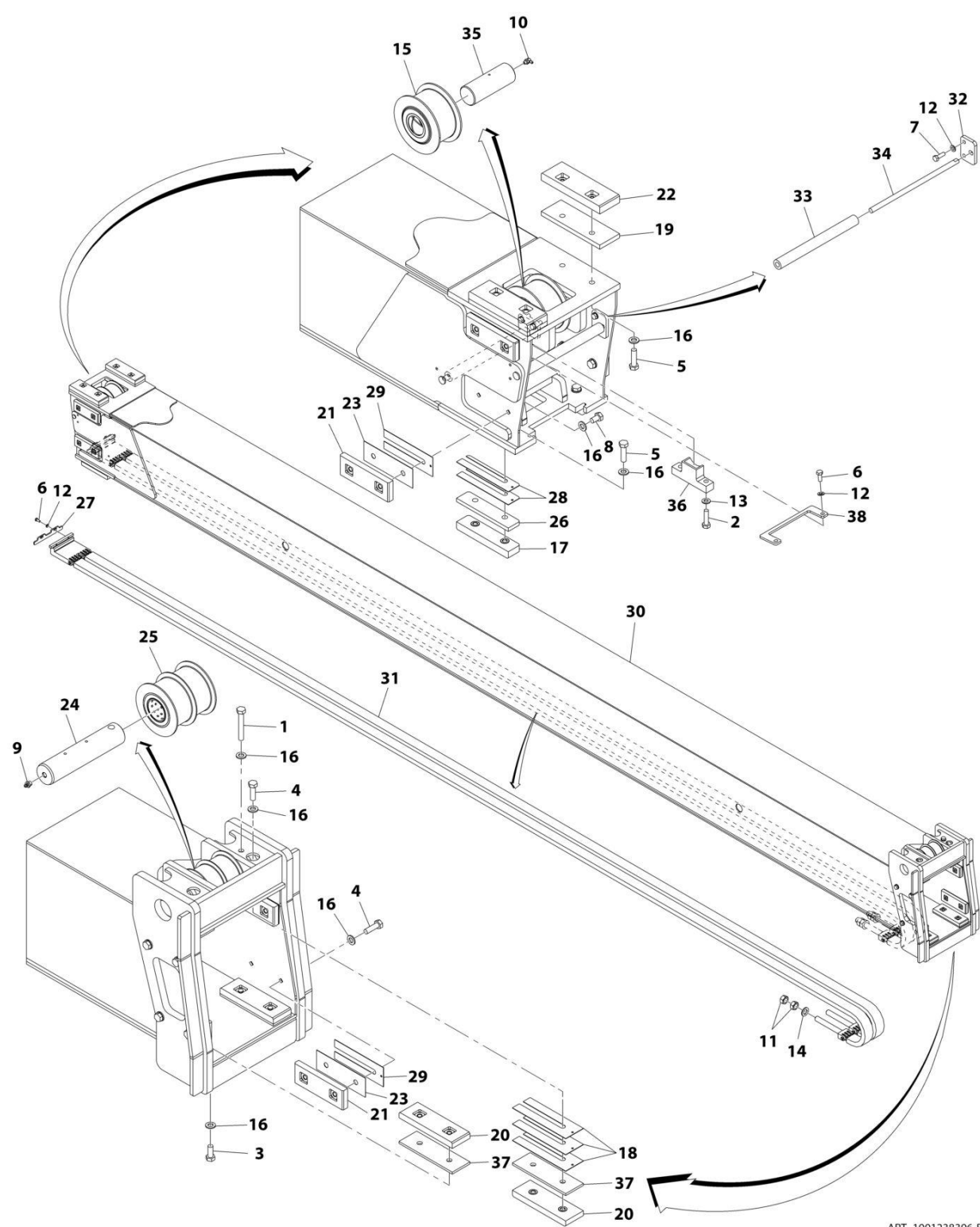
ART_1001238395-B

FIGURE 2-5. THIRD BOOM SECTION ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238395	Ref	Third Section Boom Assembly	B
1	0711216	4	Bolt, M12X40	
2	0711217	16	Bolt, M12X45	
3	0711218	4	Bolt, M12X50	
4	0711219	4	Bolt, M12X55	
5	0760810	4	Bolt, M8X20	
6	0771210	8	Bolt, M12X20	
7	2160016	1	Fitting, Grease	
8	8520003	1	Fitting, 90 Lube	
9	3332411	2	Nut, M24	
10	3333011	4	Nut, M30	
11	4811900	4	Washer, M8	
12	4812700	1	Washer, M24	
13	4812900	2	Washer, M30	
14	1001125117	AR	Washer, M12	
15	1001162469	2	Pad, Wear	
16	1001163103	AR	Shim	
17	1001163104	AR	Shim	
18	1001163108	2	Spacer	
19	1001163114	2	Spacer	
20	1001165171	2	Pad, Wear	
21	1001165172	8	Pad, Wear	
22	1001165173	2	Pad, Wear	
23	1001165175	2	Pad, Wear	
24	1001165367	8	Spacer	
25	1001168286	2	Roller, Extend Chain	
26	1001189714	2	Spacer	
27	1001200989	AR	Shim	
28	1001237248	1	Weldment, Third Boom Section	
29	1001237391	1	Installation, Retract Chain (See Separate Breakdown in this Section)	
30	1001237393	2	Installation, Extend Chain (See Separate Breakdown in this Section)	
31	1001237679	1	Pin	
32	1001237680	1	Pin	
33	1001241902	1	Plate, Pin Retainer	
34	1001243467	1	Plate, Pin Locking	
35	1001243468	1	Plate, Clevis	
36	1001243469	2	Spacer	
37	1001243470	2	Spacer	

SECTION 2 - BOOM

FIGURE 2-6. FOURTH BOOM SECTION ASSEMBLY



ART_1001238396-B

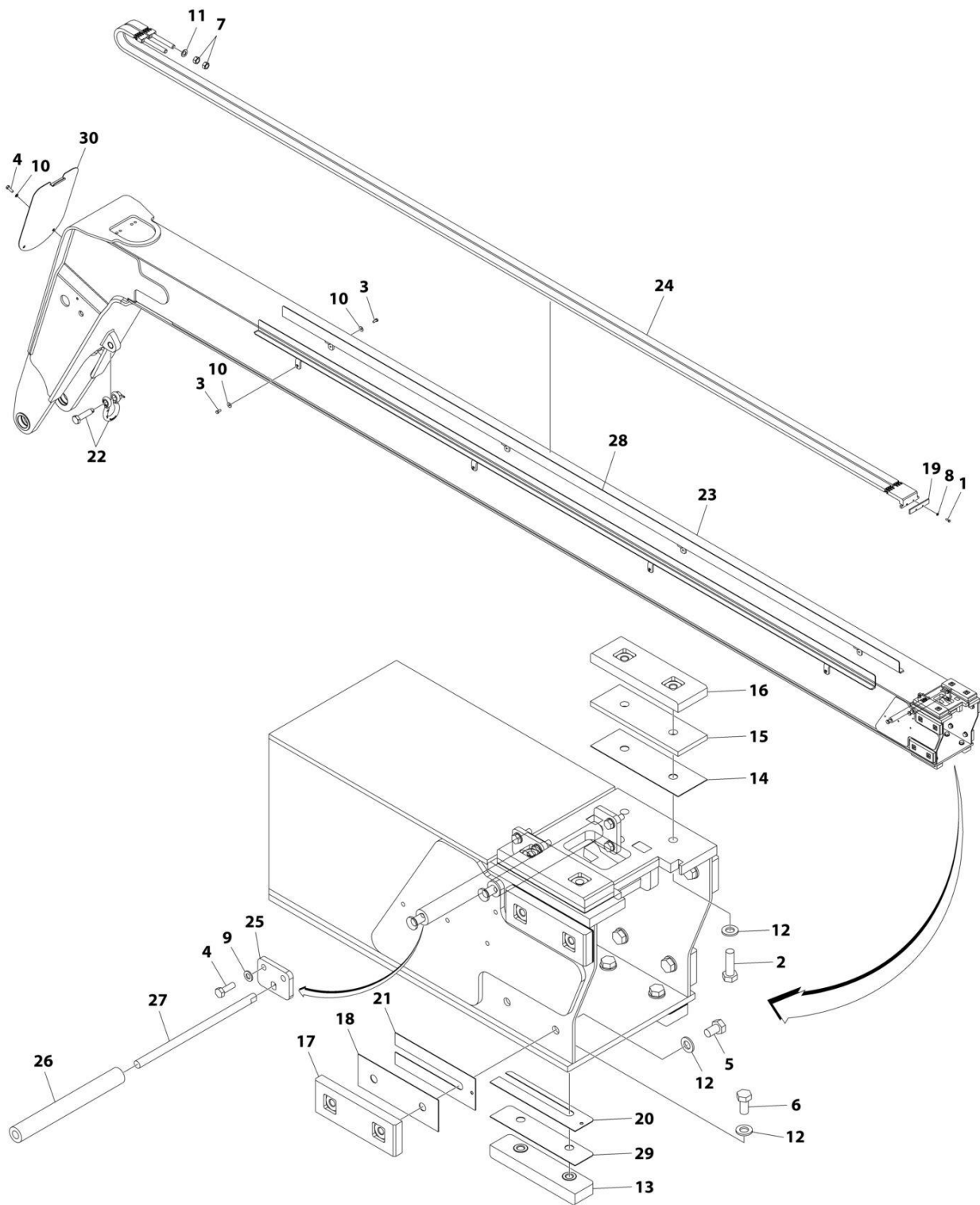
SECTION 2 - BOOM

FIGURE 2-6. FOURTH BOOM SECTION ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238396	Ref	Fourth Boom Section Assembly	B
1	0701224	1	Bolt, M12X80	
2	0711016	2	Bolt, M10X40	
3	0711214	4	Bolt, M12X30	
4	0711216	12	Bolt, M12X40	
5	0711217	8	Bolt, M12X45	
6	0760810	4	Bolt, M8X20	
7	0760812	4	Bolt, M8X25	
8	0771210	8	Bolt, M12X20	
9	2160016	1	Fitting, Grease	
10	8520003	1	Fitting, 90 Lube	
11	3332411	4	Nut, M24	
12	4811900	8	Washer, M8	
13	4812000	2	Washer, M10	
14	4812700	2	Washer, M24	
15	1001101867	1	Assembly, Chain Sheave	
15	7117502	2	Bushing	
16	1001125117	AR	Washer, M12	
17	1001163029	2	Pad, Wear	
18	1001163103	AR	Shim	
19	1001163209	2	Spacer	
20	1001165171	4	Pad, Wear	
21	1001165172	8	Pad, Wear	
22	1001165173	2	Pad, Wear	
23	1001165367	8	Spacer	
24	1001167493	1	Pin	
25	1001168567	1	Roller, Extend Chain	
25	0440296	2	Bearing	
26	1001168589	2	Plate, Stop	
27	1001171001	1	Plate, Clevis	
28	1001189793	AR	Shim	
29	1001200989	AR	Shim	
30	1001237249	1	Weldment, Fourth Boom Section	
31	1001237395	1	Installation, Extend Chain (See Separate Breakdown in this Section)	
32	1001237444	2	Plate	
33	1001237445	2	Roller	
34	1001237447	2	Pin	
35	1001237681	1	Pin	
36	1001243472	1	Plate, Pin Locking	
37	1001243474	4	Spacer	
38	1001243475	1	Plate, Clevis	

SECTION 2 - BOOM

FIGURE 2-7. FLY BOOM SECTION ASSEMBLY



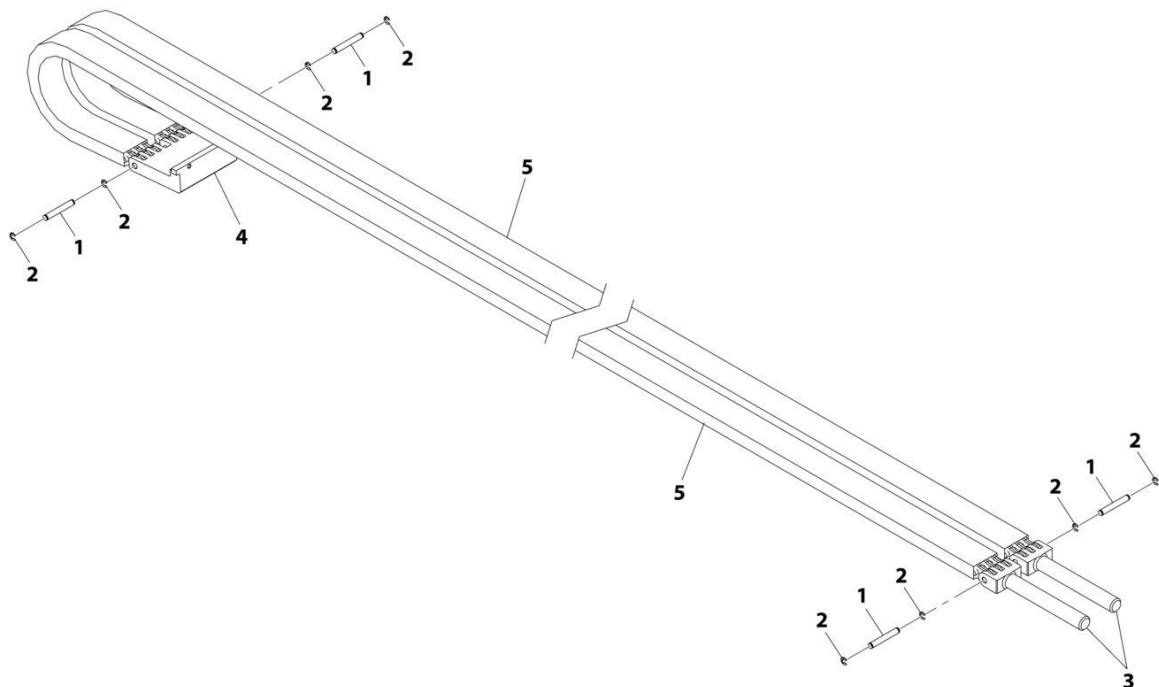
ART_1001238397

FIGURE 2-7. FLY BOOM SECTION ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238397	Ref	FLY BOOM SECTION ASSEMBLY	C
1	0700610	2	Bolt M6 x 20	
2	0711216	4	Bolt M12 x 40	
3	0760810	8	Bolt M8 x 20	
4	0760812	6	Bolt M8 x 25	
5	0771210	8	Bolt M12 x 20	
6	0771212	4	Bolt M12 x 25	
7	3332011	4	Nut M20 x 2.5	
8	4811700	2	Washer M6	
9	4811900	4	Washer M8	
10	4811902	10	Washer M8	
11	4812500	2	Washer M20	
12	1001125117	AR	Washer M12	
13	1001163029	2	Pad, Wear	
14	1001163034	2	Spacer	
15	1001163105	2	Spacer	
16	1001165171	2	Pad, Wear	
17	1001165172	4	Pad, Wear	
18	1001165367	4	Spacer	
19	1001171450	1	Plate, Clevis	
20	1001189793	AR	Shim	
21	1001200989	AR	Shim	
22	1001204045	1	Clevis	
23	1001237250	1	Weldment, Fly Boom Section	
24	1001237397	1	Installation, Extend Chain (See Separate Breakdown in this Section)	
25	1001237444	2	Plate	
26	1001237446	2	Roller	
27	1001237448	2	Pin	
28	1001237487	2	Bracket	
29	1001244651	2	Spacer	
30	1001174628	1	Plate	

SECTION 2 - BOOM

FIGURE 2-8. RETRACT CHAIN INSTALLATION



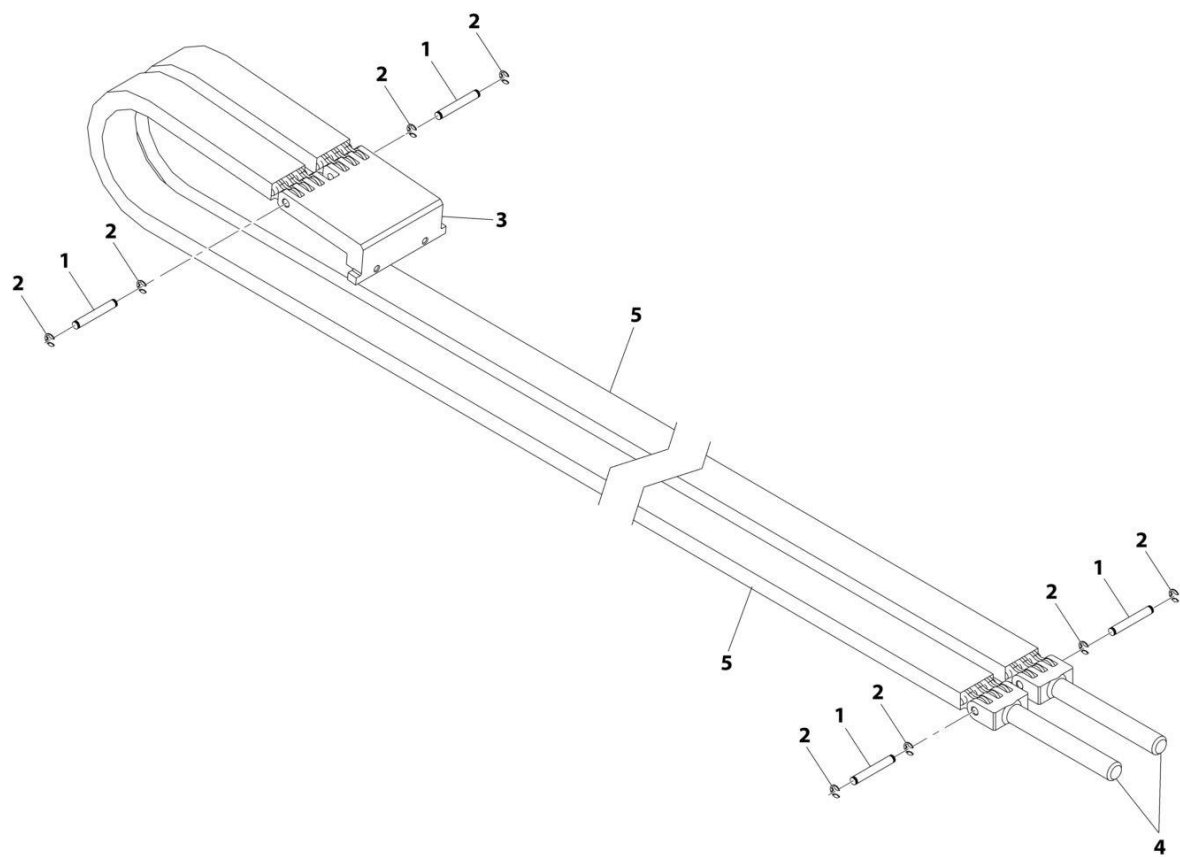
ART_1001237387-A

FIGURE 2-8. RETRACT CHAIN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237387	Ref	Retract Chain Installation	A
1	1001163842	4	Pin, Clevis	
2	1001164039	8	Ring, External M8	
3	1001165486	2	Clevis, Chain	
4	1001165487	1	Clevis, Chain	
5	1001237394	2	Chain, Extend	

SECTION 2 - BOOM

FIGURE 2-9. RETRACT CHAIN INSTALLATION



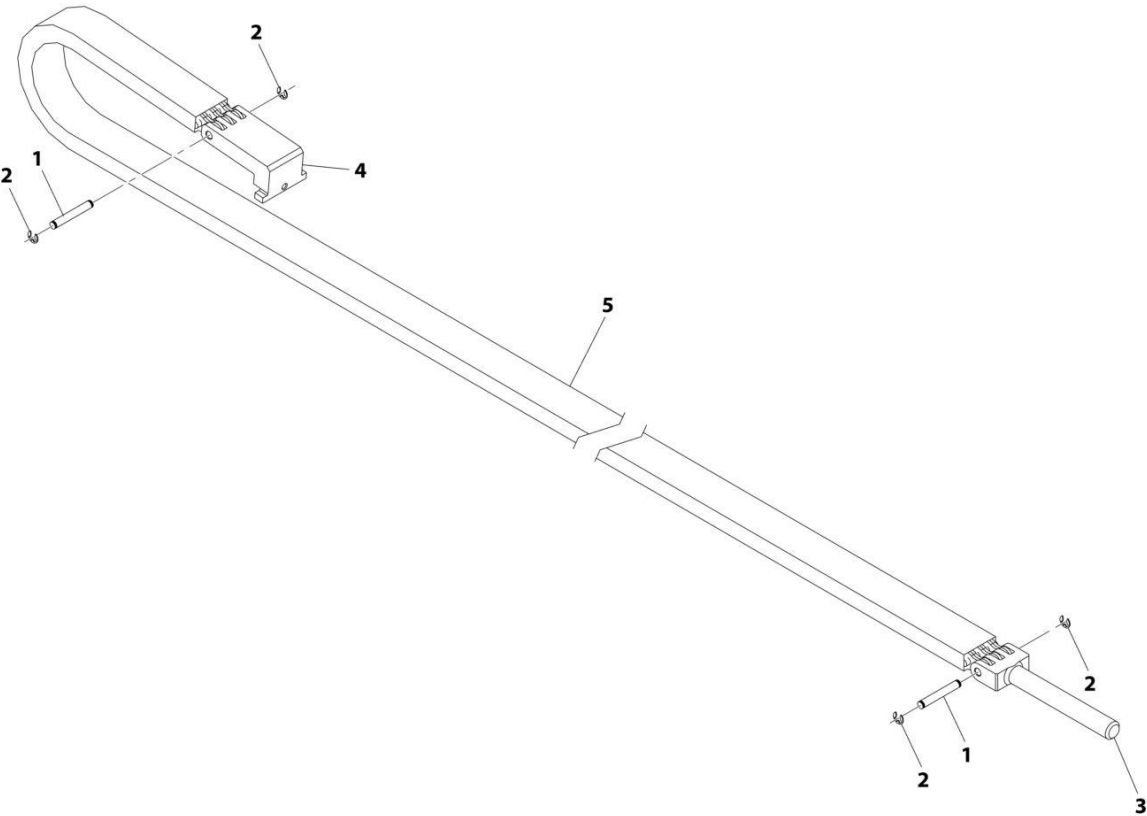
ART_1001237389-A

FIGURE 2-9. RETRACT CHAIN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237389	Ref	Retract Chain Installation	A
1	1001163841	4	Pin, Clevis	
2	1001164039	8	Ring, External M8	
3	1001165483	1	Clevis, Chain	
4	1001165590	2	Clevis, Chain	
5	1001237390	2	Chain, Retract	

SECTION 2 - BOOM

FIGURE 2-10. RETRACT CHAIN INSTALLATION



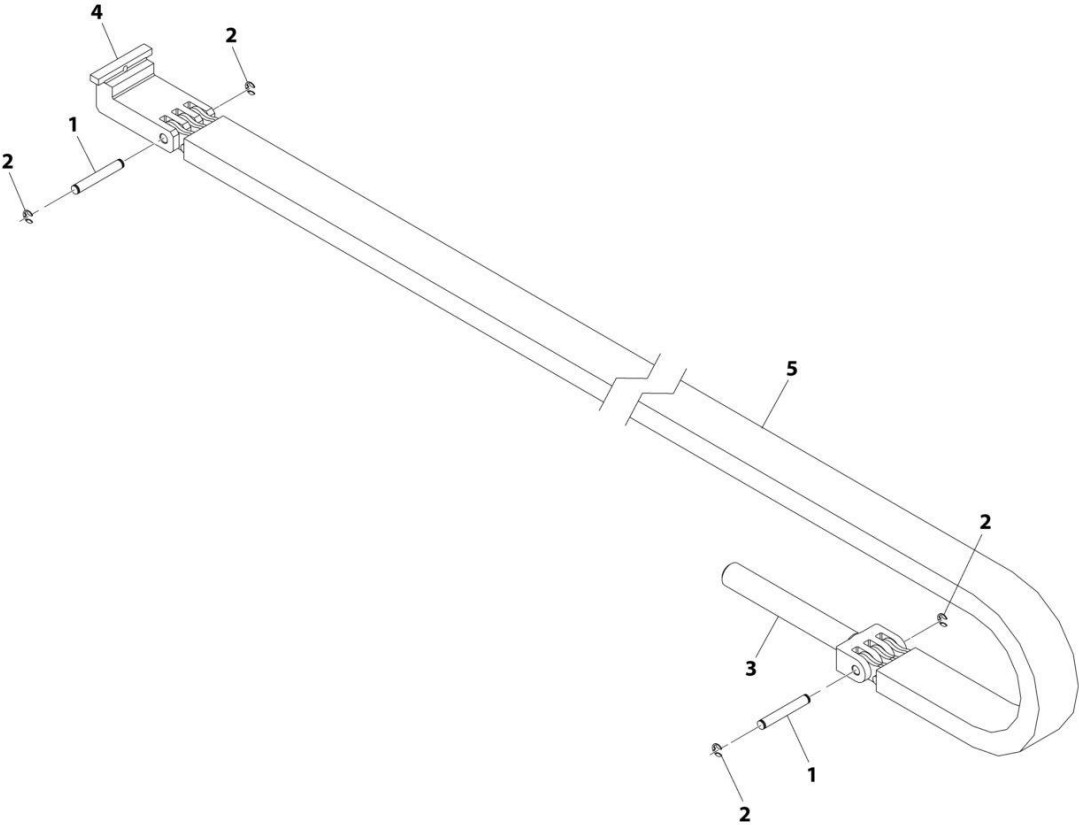
ART_1001237391-A

FIGURE 2-10. RETRACT CHAIN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237391	Ref	Retract Chain Installation	A
1	1001163841	2	Pin, Clevis	
2	1001164039	4	Ring, External M8	
3	1001165590	1	Clevis, Chain	
4	1001165739	1	Clevis, Chain	
5	1001237392	1	Chain, Retract	

SECTION 2 - BOOM

FIGURE 2-11. EXTEND CHAIN INSTALLATION



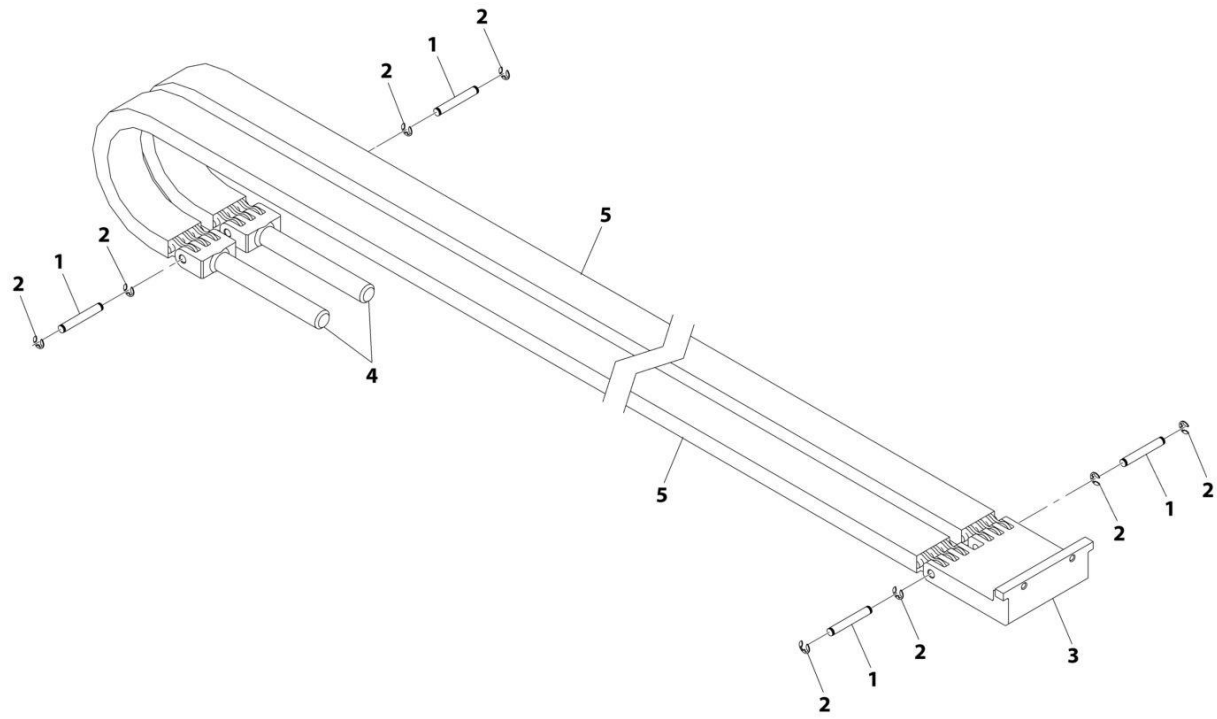
ART_1001237393-A

FIGURE 2-11. EXTEND CHAIN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237393	Ref	Extend Chain Installation	A
1	1001163842	2	Pin, Clevis	
2	1001164039	4	Ring, External M8	
3	1001165486	1	Clevis, Chain	
4	1001165493	1	Clevis, Chain	
5	1001237394	1	Chain, Extend	

SECTION 2 - BOOM

FIGURE 2-12. EXTEND CHAIN INSTALLATION



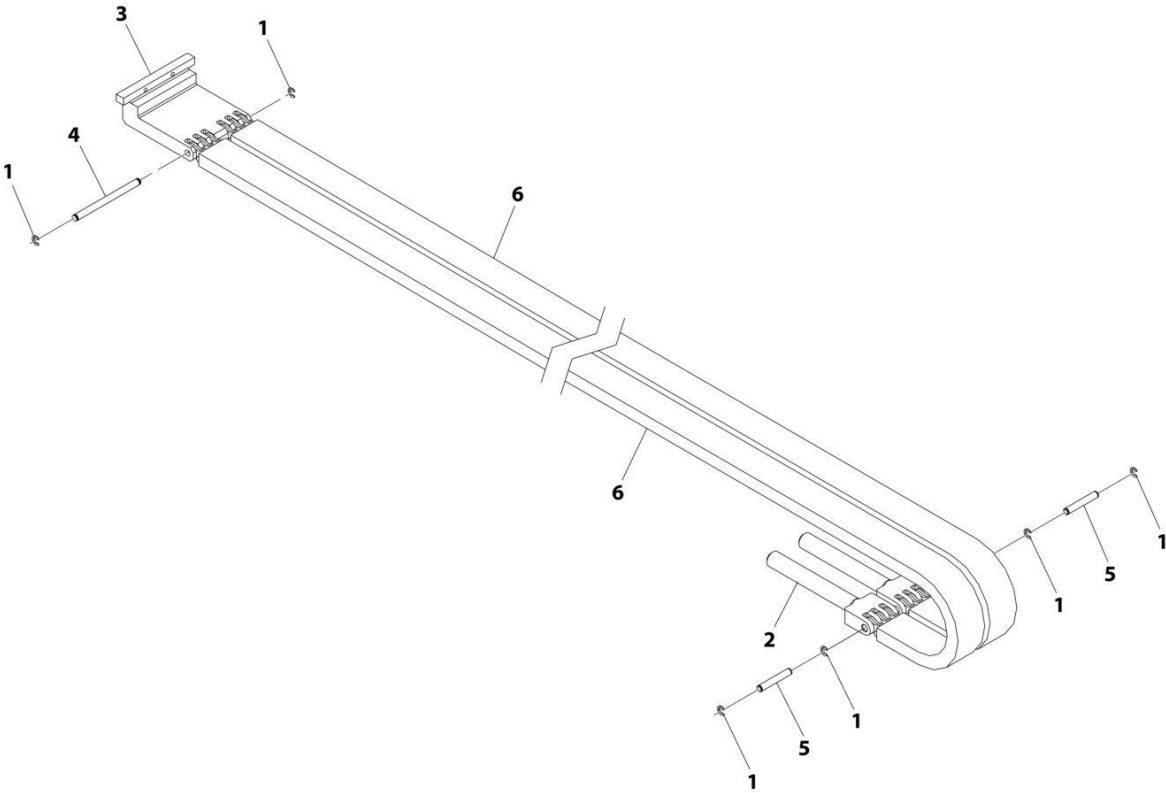
ART_1001237395-A

FIGURE 2-12. EXTEND CHAIN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237395	Ref	Extend Chain Installation	A
1	1001163841	4	Pin, Clevis	
2	1001164039	8	Ring, External M8	
3	1001165483	1	Clevis, Chain	
4	1001165590	2	Clevis, Chain	
5	1001237396	2	Chain, Extend	

SECTION 2 - BOOM

FIGURE 2-13. EXTEND CHAIN INSTALLATION



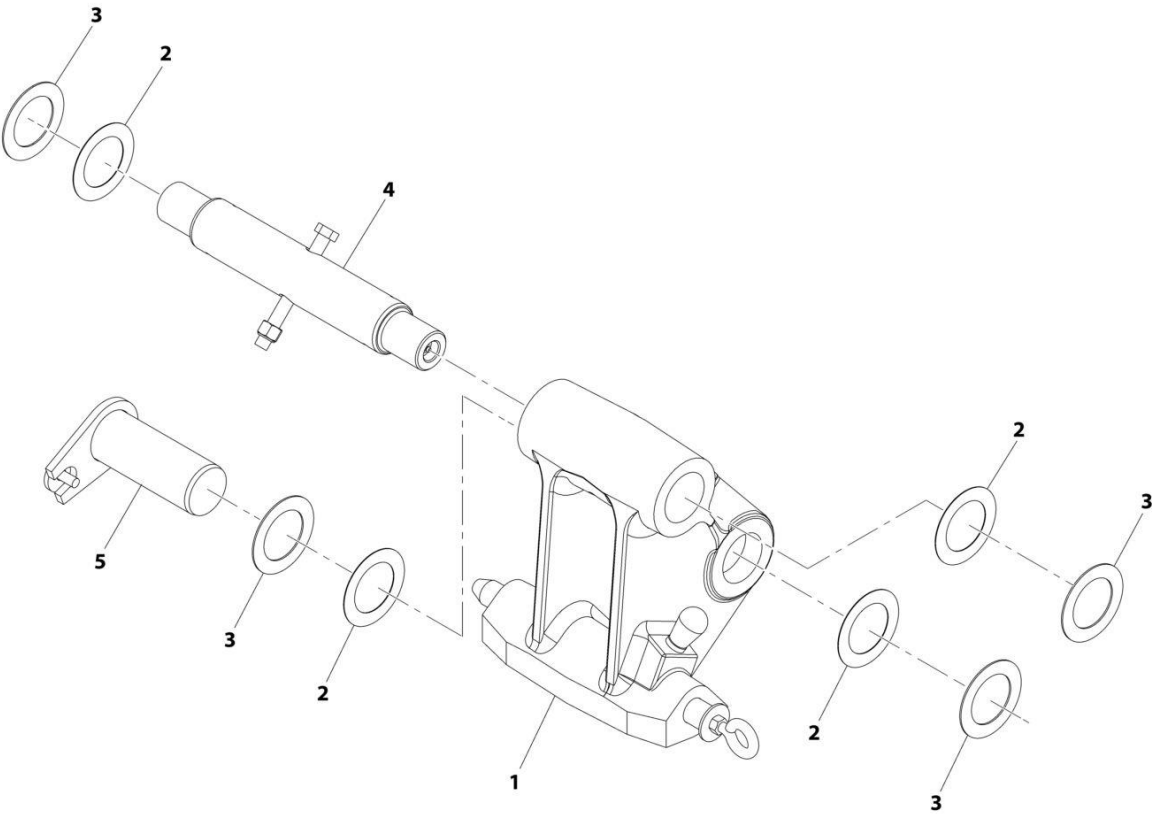
ART_1001237397-A

FIGURE 2-13. EXTEND CHAIN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237397	Ref	Extend Chain Installation	A
1	1001166163	6	Ring, External M6	
2	1001166235	2	Clevis, Chain	
3	1001169373	1	Clevis, Dual	
4	1001169379	1	Pin, Clevis	
5	1001187785	2	Pin, Clevis	
6	1001237398	2	Chain, Extend	

SECTION 2 - BOOM

FIGURE 2-14. ATTACH COUPLER INSTALLATION (MANUAL)



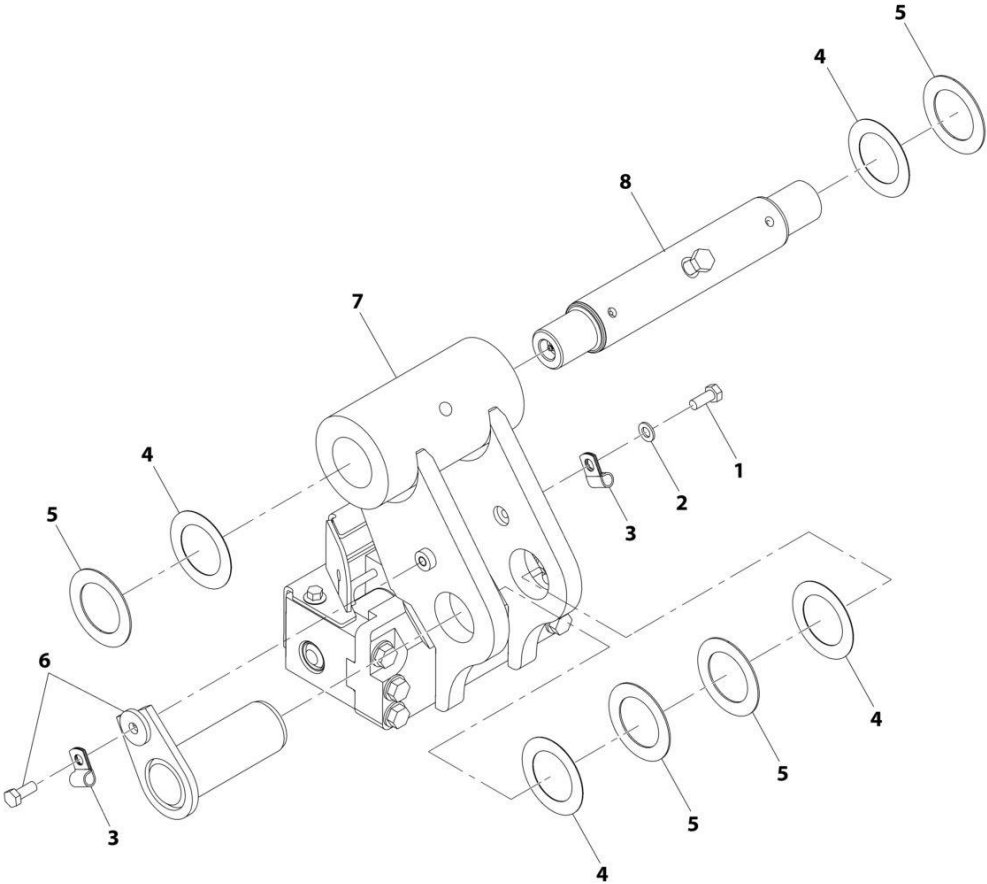
ART_1001257978-A

FIGURE 2-14. ATTACH COUPLER INSTALLATION (MANUAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001257978	Ref	Attach Coupler Installation (Manual)	A
	1001171764	1	Coupling, Quick Connect, (See Separate Breakdown in this Section)	
2	1001164884	AR	Shim	
3	1001164885	AR	Shim	
4	1001257917	1	Installation, Boom Pin (See Separate Breakdown in this Section)	
5	1001167762	1	Installation, Tilt Cylinder Pin (See Separate Breakdown in this Section)	

SECTION 2 - BOOM

FIGURE 2-15. ATTACH COUPLER INSTALLATION (HYDRAULIC)



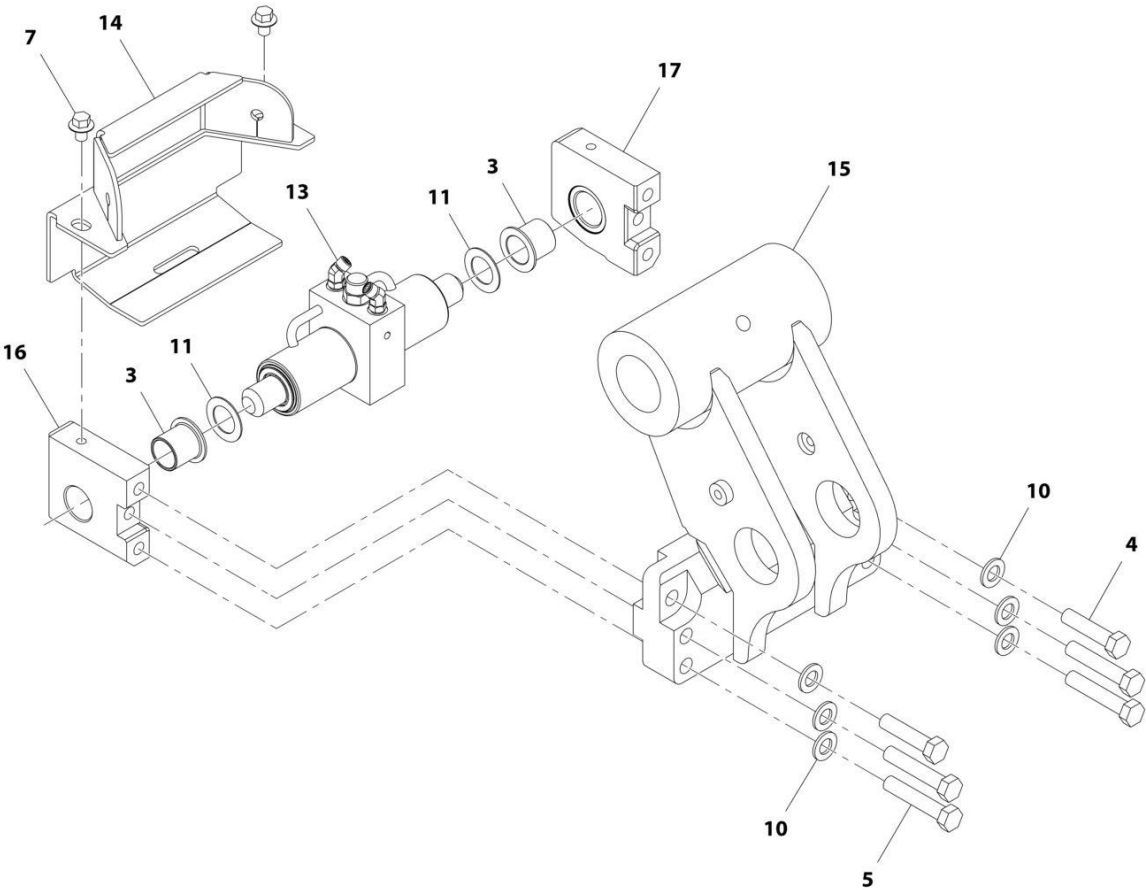
ART_1001257979-A

FIGURE 2-15. ATTACH COUPLER INSTALLATION (HYDRAULIC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001257979	Ref	Attach Coupler Installation (Hydraulic)	A
1	0761214	1	Bolt, M12X30	
2	4812100	1	Washer, M12	
3	1001080996	2	Clamp	
4	1001164884	AR	Shim	
5	1001164885	AR	Shim	
6	1001167762	1	Installation, Tilt Cylinder Pin (See Separate Breakdown in this Section)	
7	1001172134	1	Assembly, Hydraulic Quick Coupler (See Separate Breakdown in this Section)	
8	1001257917	1	Installation, Boom Pin (See Separate Breakdown in this Section)	

SECTION 2 - BOOM

FIGURE 2-16. HYDRAULIC QUICK SWITCH INSTALLATION



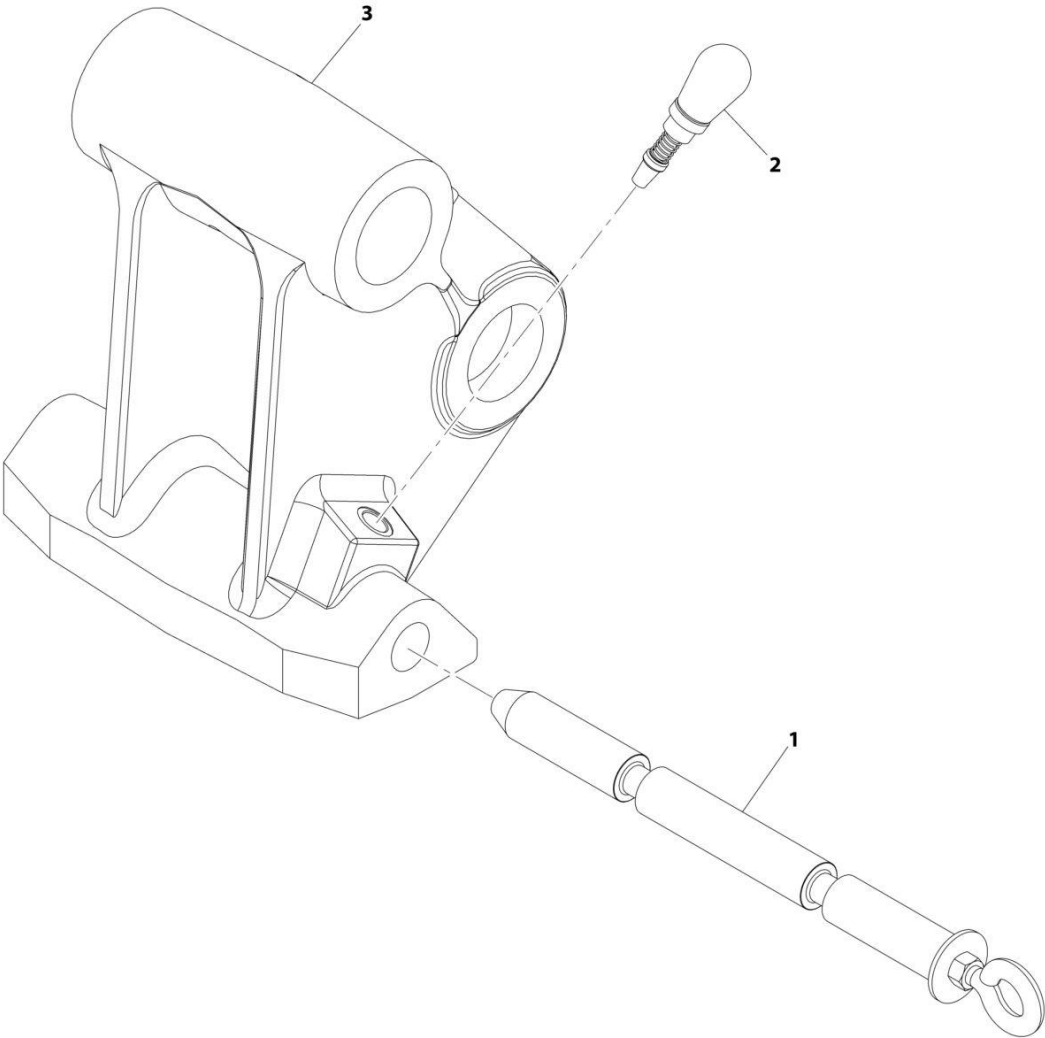
ART_1001172134

FIGURE 2-16. HYDRAULIC QUICK SWITCH INSTALLATION

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 2 - BOOM

FIGURE 2-17. QUICK COUPLER ASSEMBLY



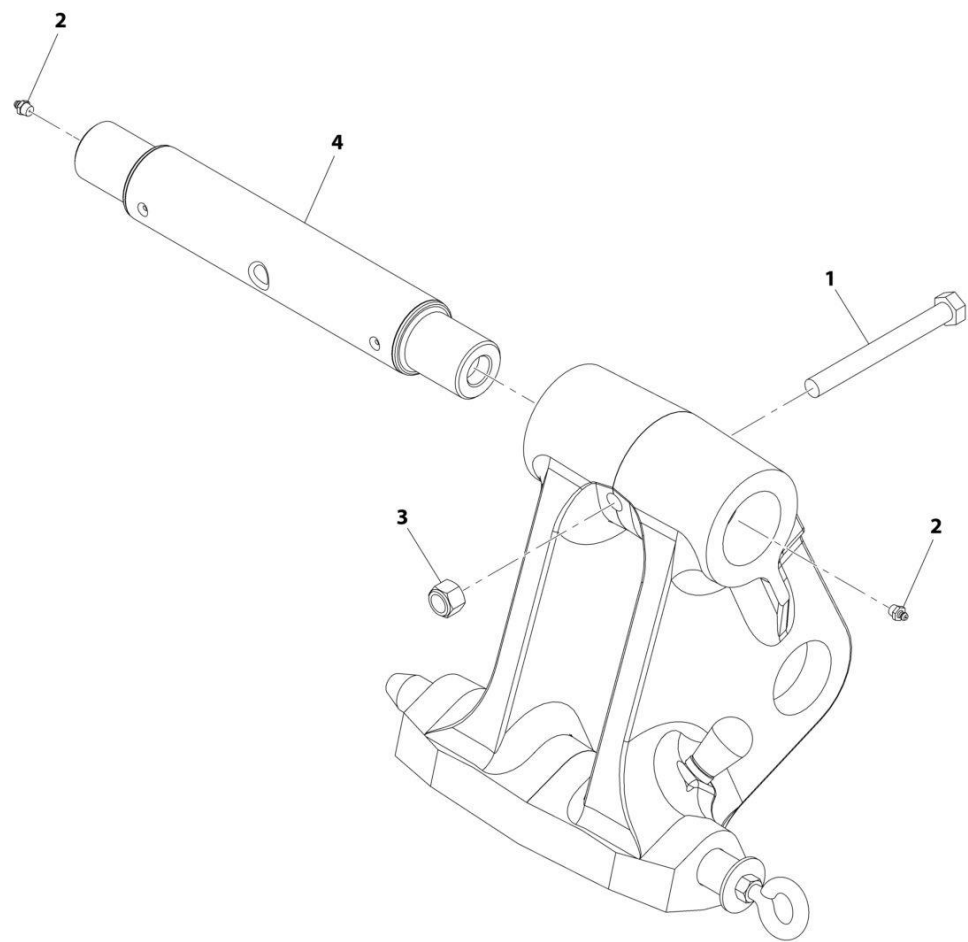
ART_1001171764-A

FIGURE 2-17. 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 2 - BOOM

FIGURE 2-18. BOOM PIN INSTALLATION



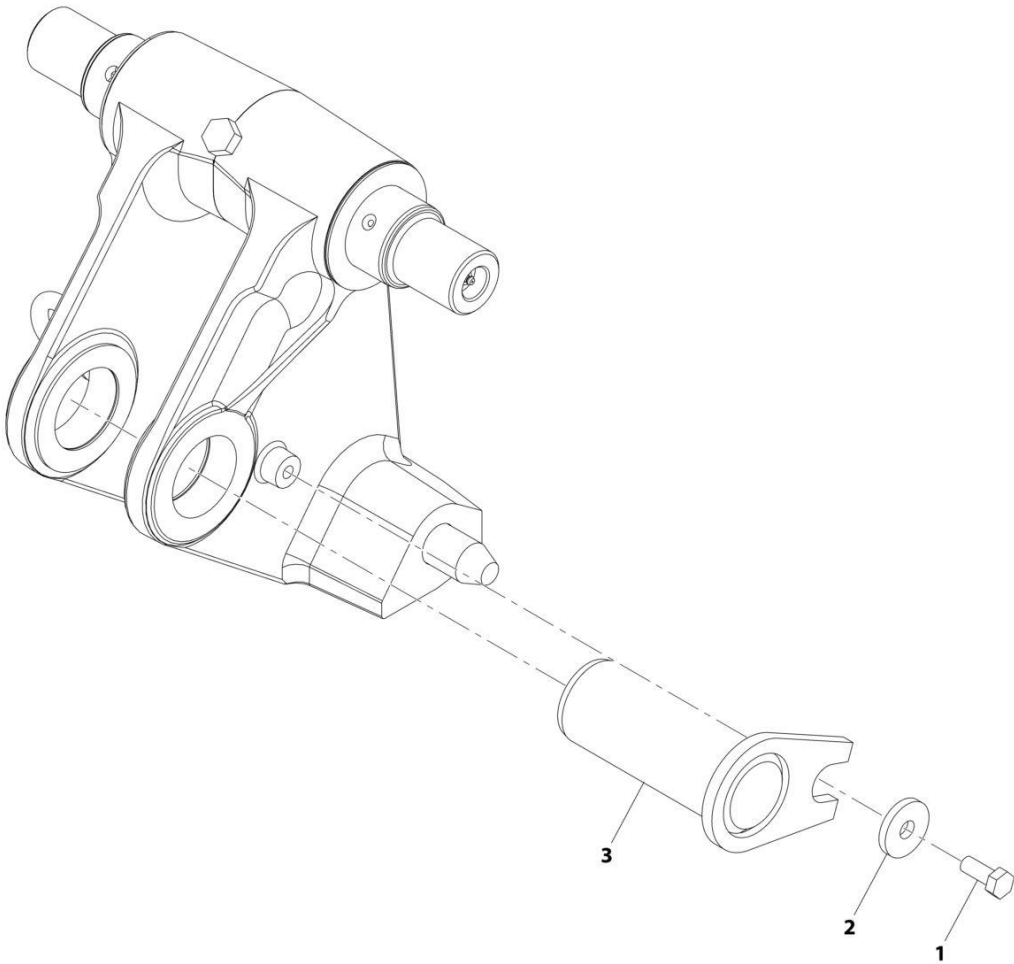
ART_1001257917-A

FIGURE 2-18. BOOM PIN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001257917	Ref	Boom Pin Installation	A
1	0711632	1	Bolt, M16X150	
2	2160016	2	Fitting, Grease	
3	3291605	1	Nut, Lock M16X2	
4	1001164871	1	Pin	

SECTION 2 - BOOM

FIGURE 2-19. TILT CYLINDER PIN INSTALLATION



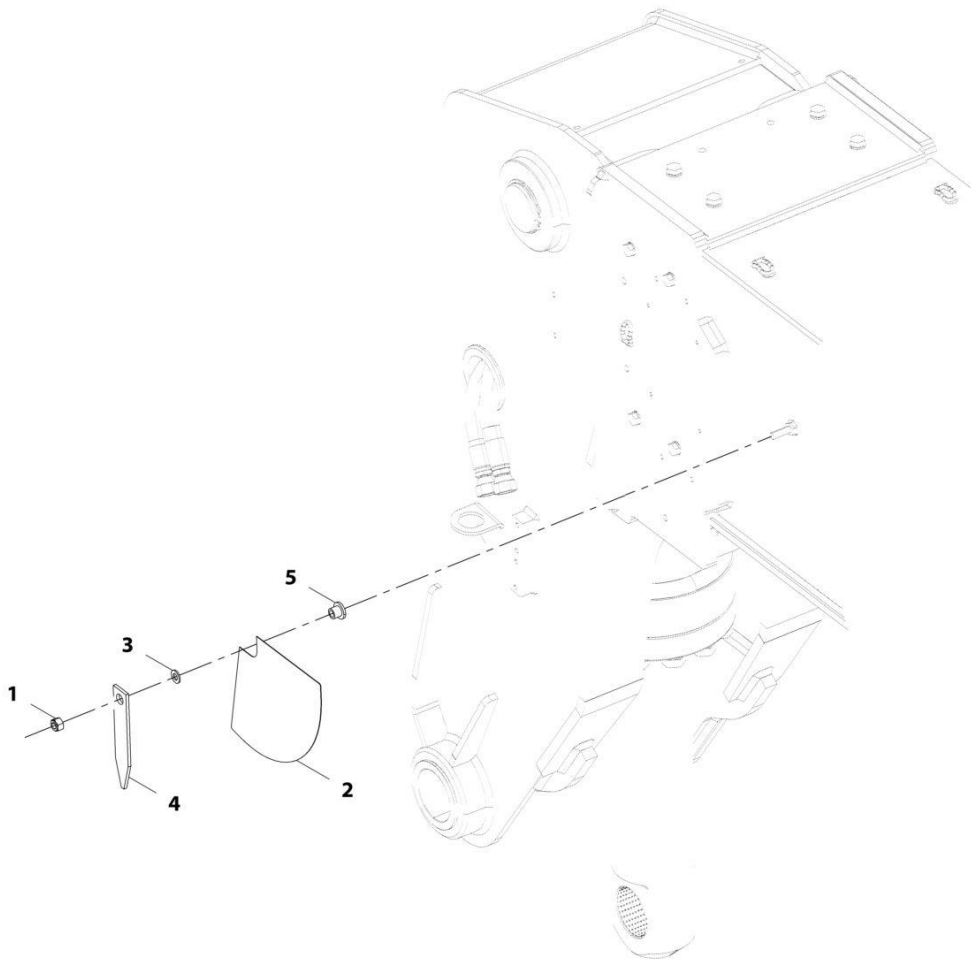
ART_1001167762-A

FIGURE 2-19. 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 2-20. BOOM ANGLE INDICATOR INSTALLATION



ART_1001192364-A

FIGURE 2-20. BOOM ANGLE INDICATOR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192364	Ref	Boom Angle Indicator Installation	A
1	3291005	1	Nut, Lock M10X1.5	
2	4105262	1	Decal, Boom Angle Indicator	
3	4812000	1	Washer, M10	
4	1001098769	1	Plate, Boom Angle Indicator	
5	1001171808	1	Spacer	

SECTION 2 - BOOM

FIGURE 2-21. BOOM BRUSHES INSTALLATION

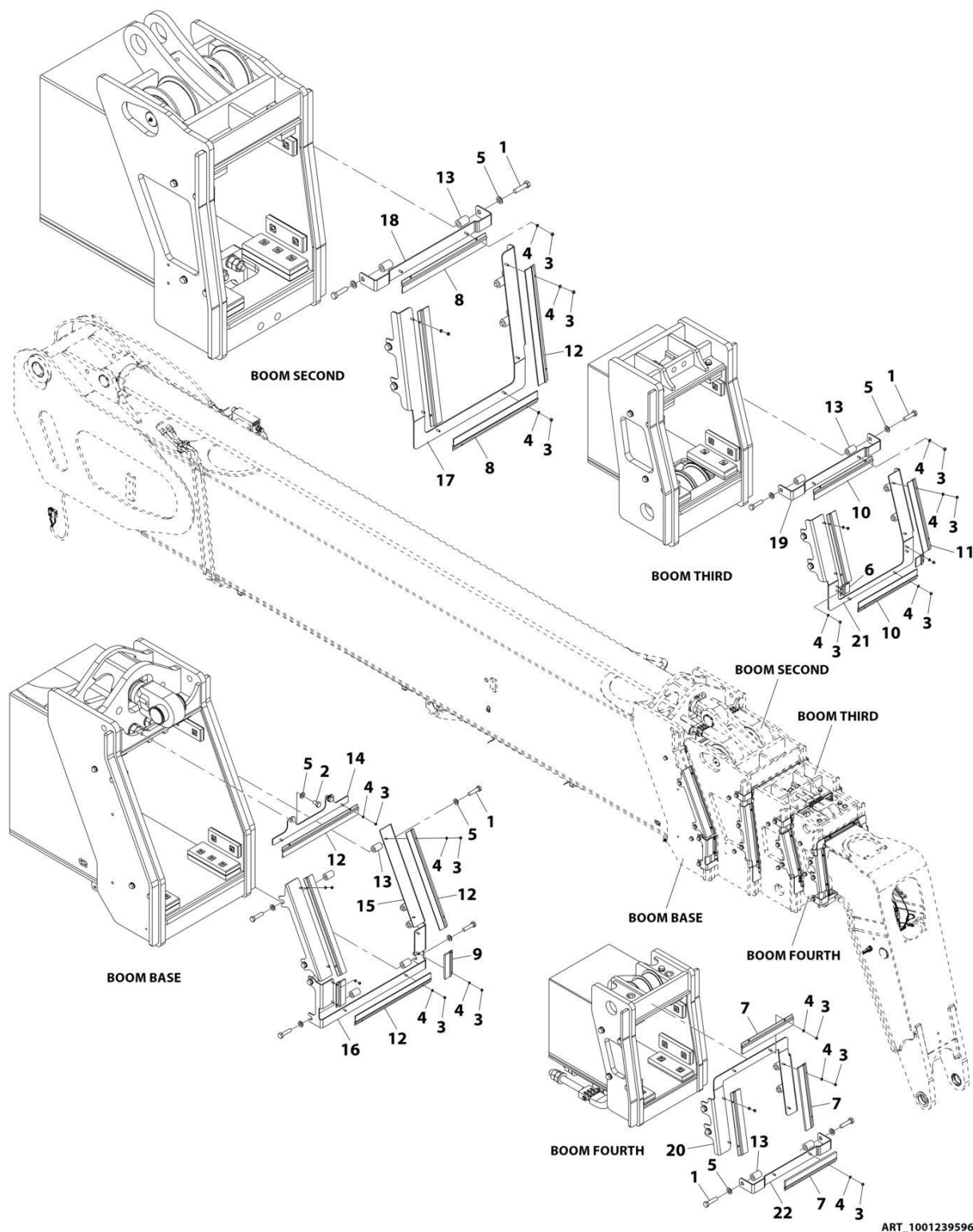


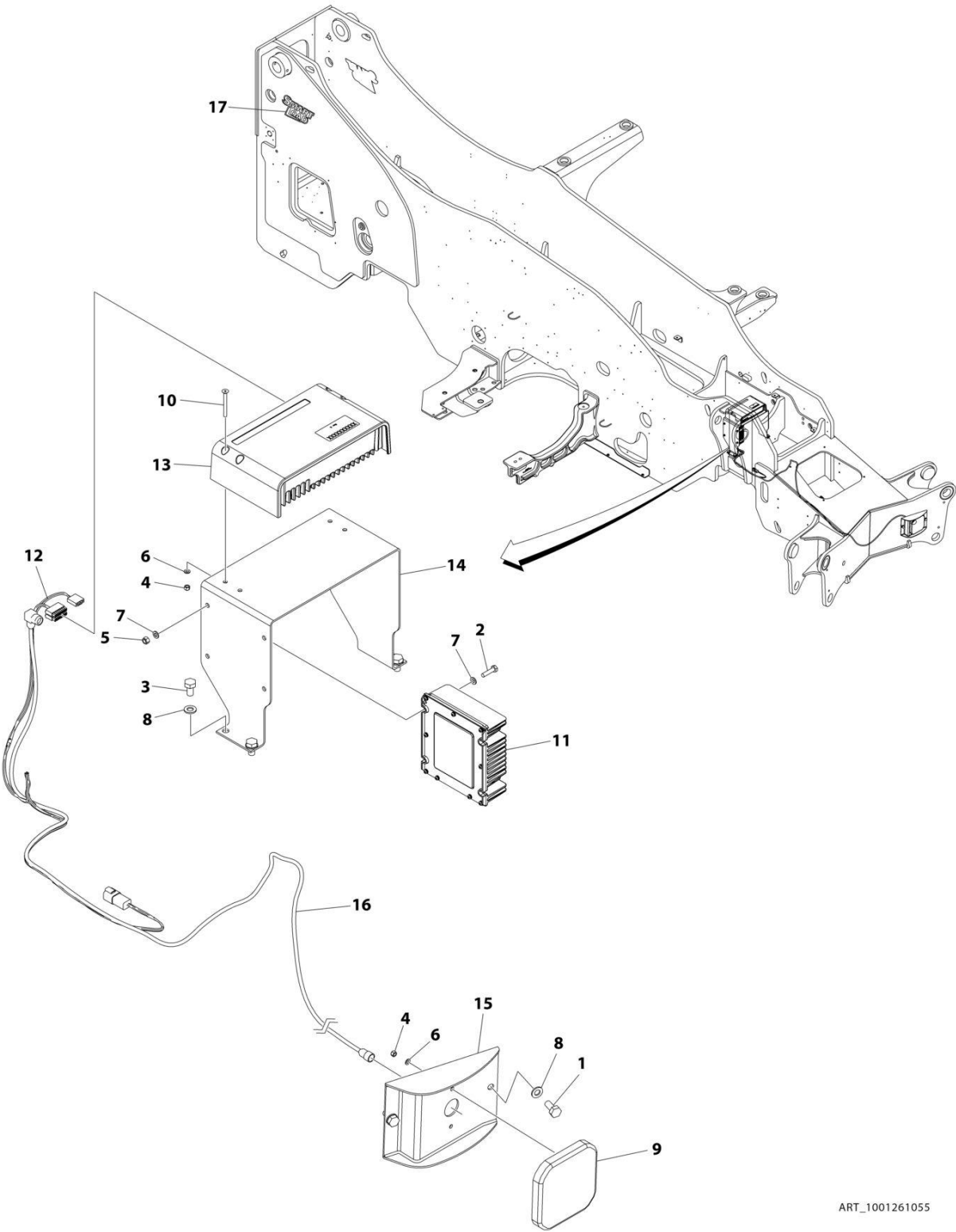
FIGURE 2-21. BOOM BRUSHES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239596	Ref	Boom Brushes Installation	C
1	0761218	26	Bolt, M12X50	
2	0761210	2	Bolt, M12X20	
3	3290505	40	Nut, Lock M5X0.8	
4	4811600	40	Washer, M5	
5	1001125117	28	Washer, M12	
6	1001172994	2	Brush, Boom	
7	1001172995	4	Brush, Boom	
8	1001173739	2	Brush, Boom	
9	1001176806	2	Brush, Boom	
10	1001205627	2	Brush, Boom	
11	1001245711	2	Brush, Boom	
12	1001245712	6	Brush, Boom	
13	1001245718	26	Spacer	
14	1001245719	1	Bracket, Boom Brush	
15	1001245720	2	Bracket, Boom Brush	
16	1001245721	1	Bracket, Boom Brush	
17	1001245722	1	Bracket, Boom Brush	
18	1001245723	1	Bracket, Boom Brush	
19	1001245724	1	Bracket, Boom Brush	
20	1001245725	1	Bracket, Boom Brush	
21	1001245726	1	Bracket, Boom Brush	
22	1001245727	1	Bracket, Boom Brush	

SECTION 3 - ATTACHMENTS

SECTION 3 - ATTACHMENTS

FIGURE 3-1. ATTACHMENT RECOGNITION INSTALLATION



ART_1001261055

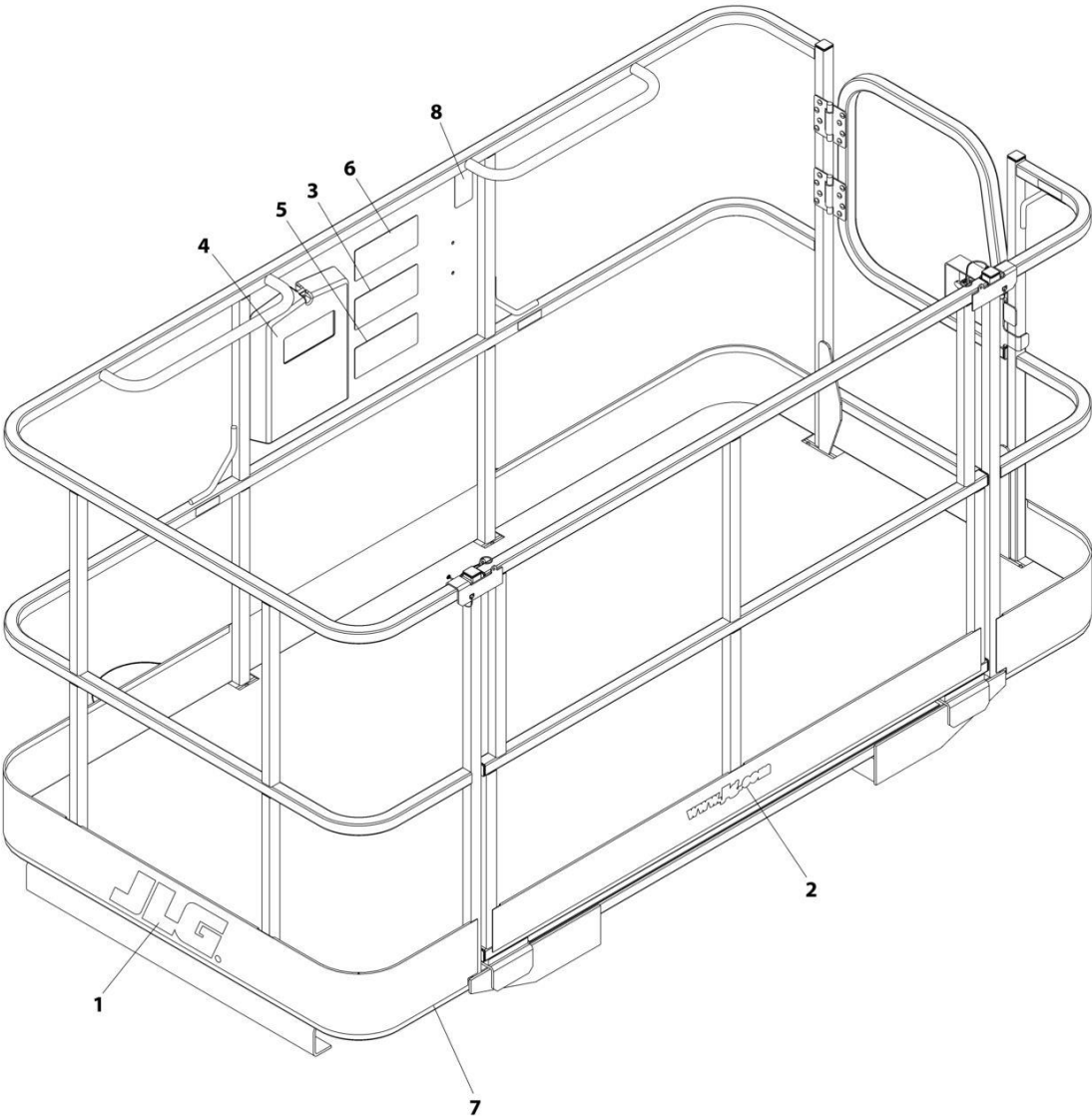
SECTION 3 - ATTACHMENTS

FIGURE 3-1. ATTACHMENT RECOGNITION INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001261055	Ref	ATTACHMENT RECOGNITION INSTALLATION	B
1	0701011	2	Bolt M10 x 22	
2	0760612	4	Bolt M6 x 25	
3	0761009	4	Bolt	
4	3290505	6	Nut M5 x 0.8	
5	3290605	4	Nut M6 x 1	
6	4811600	6	Washer M5	
7	4811700	8	Washer M6	
8	4812000	6	Washer M10	
9	1001202730	1	Antenna	
10	1001234395	4	Screw	
11	1001249078	1	Module, Attachment Recognition	
12	1001250203	1	Attachment Recognition Harness (See Separate Breakdown in ELECTRICAL Section)	
13	1001250475	1	Control, Receiver	
14	1001256899	1	Bracket	
15	1001260996	1	Bracket	
16	1001261095	1	Cable	
17	1001250276	2	Decal, Smart Load	

SECTION 3 - ATTACHMENTS

FIGURE 3-2. BASKET, PERSONNEL (1.2MX2.4M) (DOMESTIC)



ART_1001238653-A

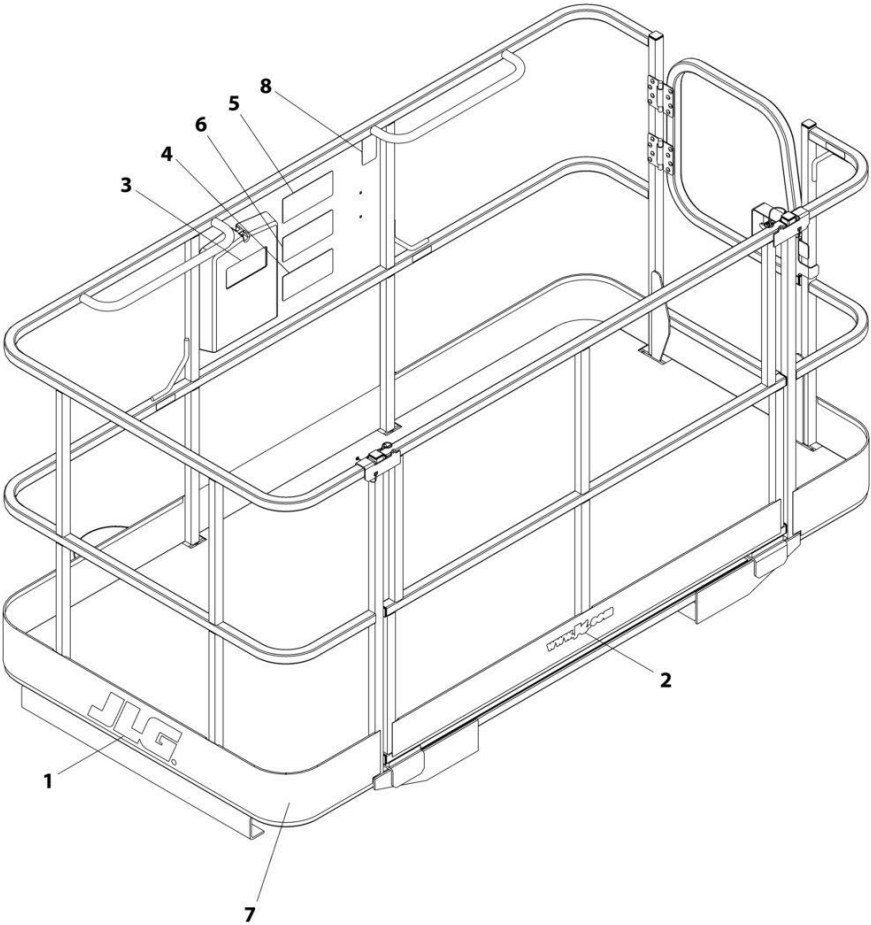
SECTION 3 - ATTACHMENTS

FIGURE 3-2. BASKET, PERSONNEL (1.2MX2.4M) (DOMESTIC)

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 3-3. BASKET PERSONNEL (1.2MX2.4M) (FRENCH)



ART_1001238655-A

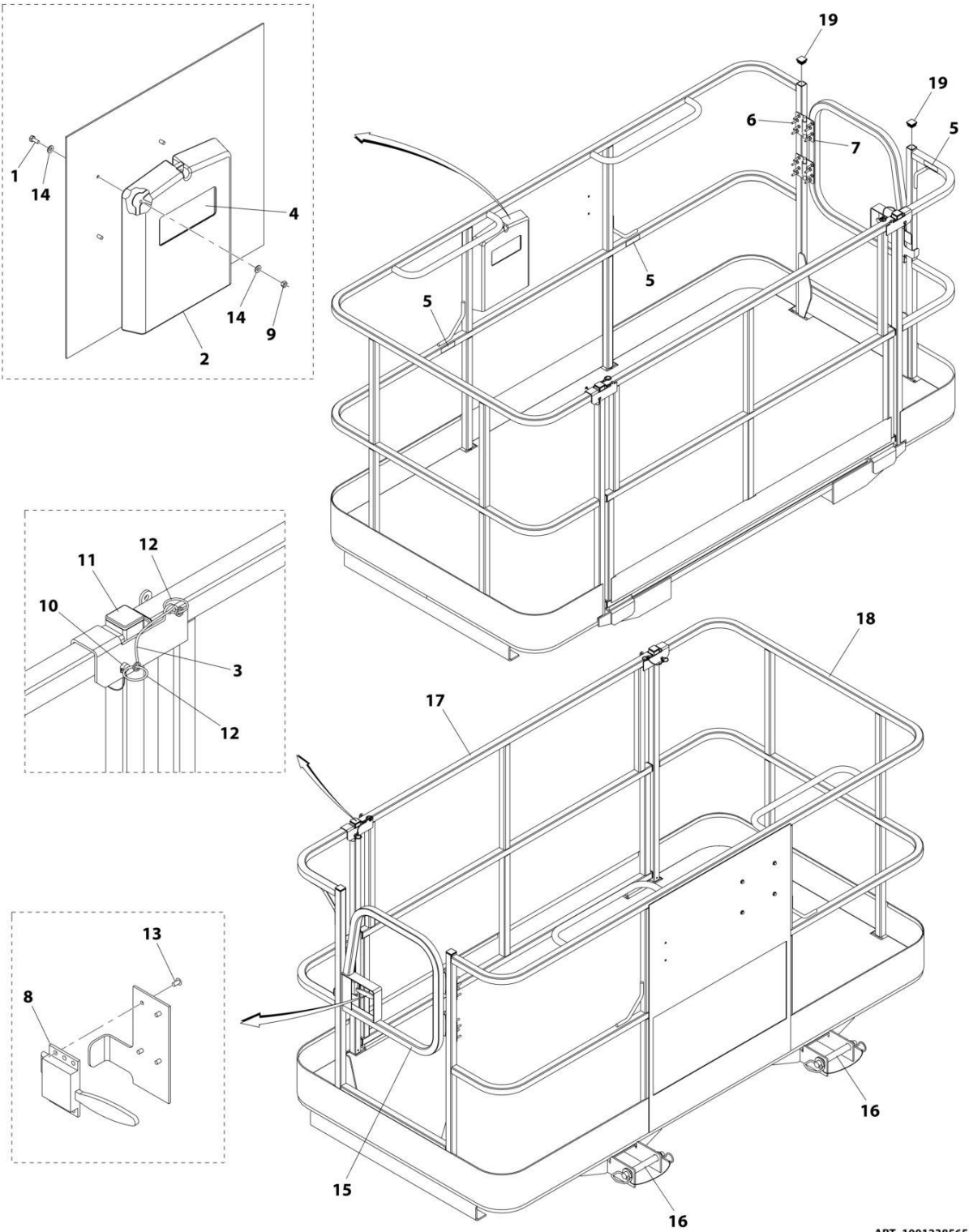
SECTION 3 - ATTACHMENTS

FIGURE 3-3. BASKET PERSONNEL (1.2MX2.4M) (FRENCH)

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 3-4. BASKET PERSONNEL (FORK MOUNTED)



ART_1001238565

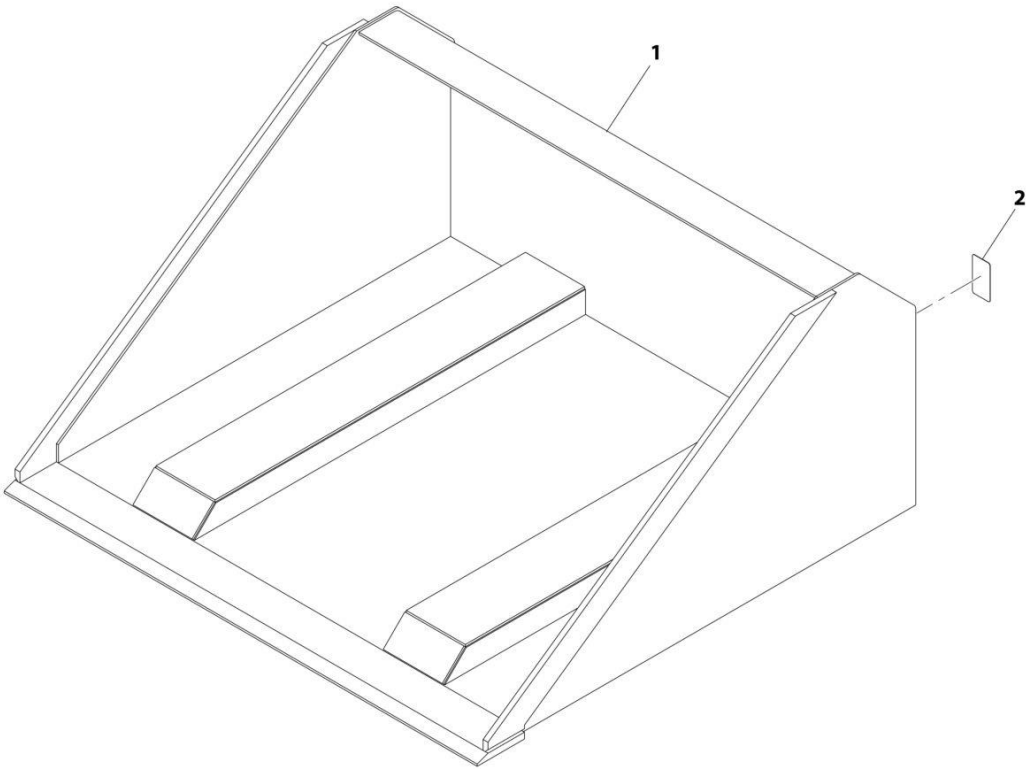
SECTION 3 - ATTACHMENTS

FIGURE 3-4. BASKET PERSONNEL (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. BUCKET (1 M³) (FORK MOUNTED)



ART_1001195970-D

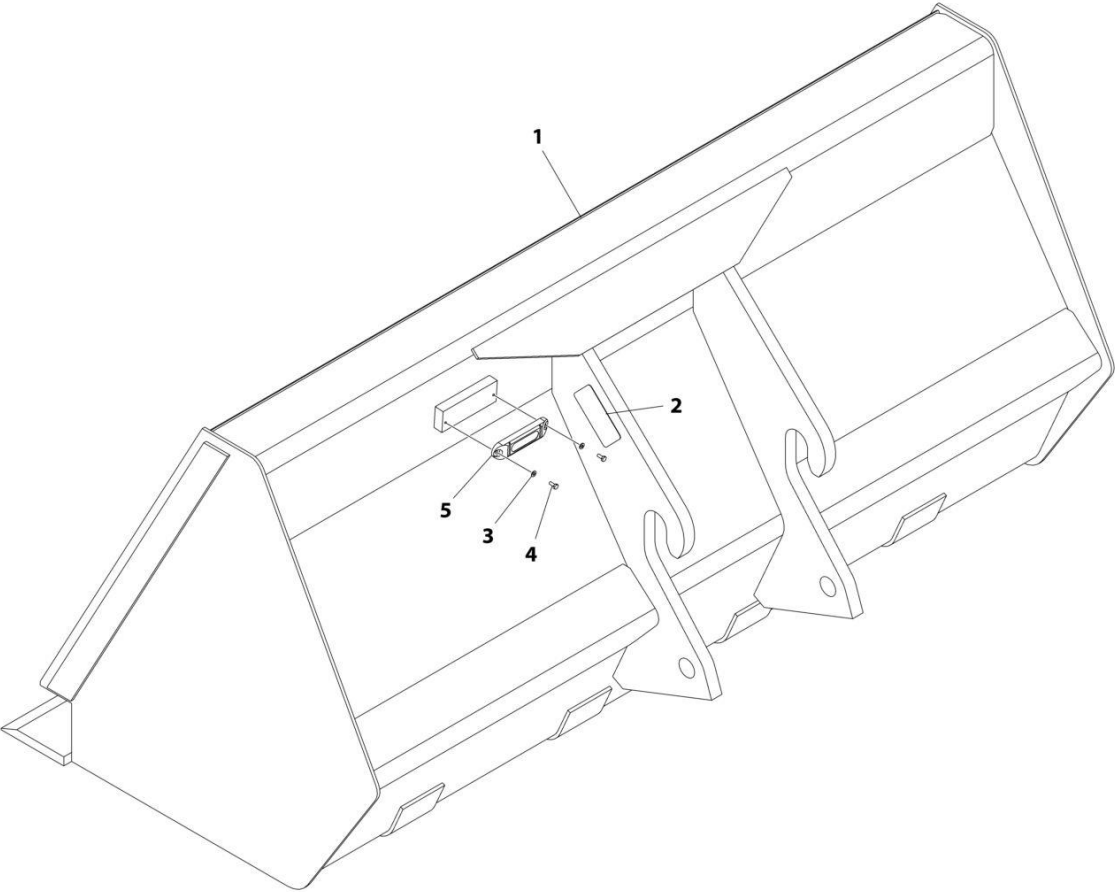
SECTION 3 - ATTACHMENTS

FIGURE 3-5. BUCKET (1 M³) (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 3-6. BUCKET 1.0 YD³ (ANSI - JLG)



ART_1001100822_I

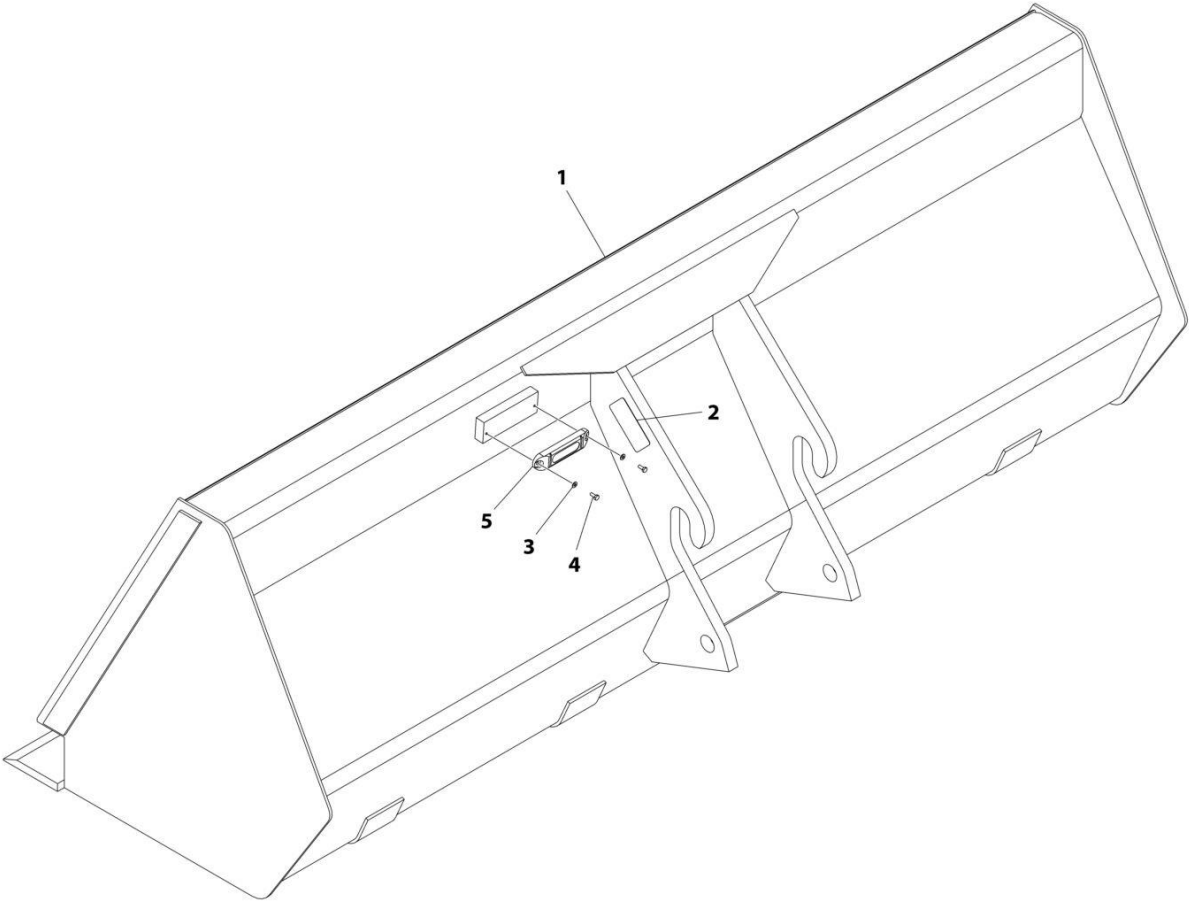
SECTION 3 - ATTACHMENTS

FIGURE 3-6. BUCKET 1.0 YD³ (ANSI - JLG)

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 3-7. BUCKET (1.15 M³)



ART_1001100823_I

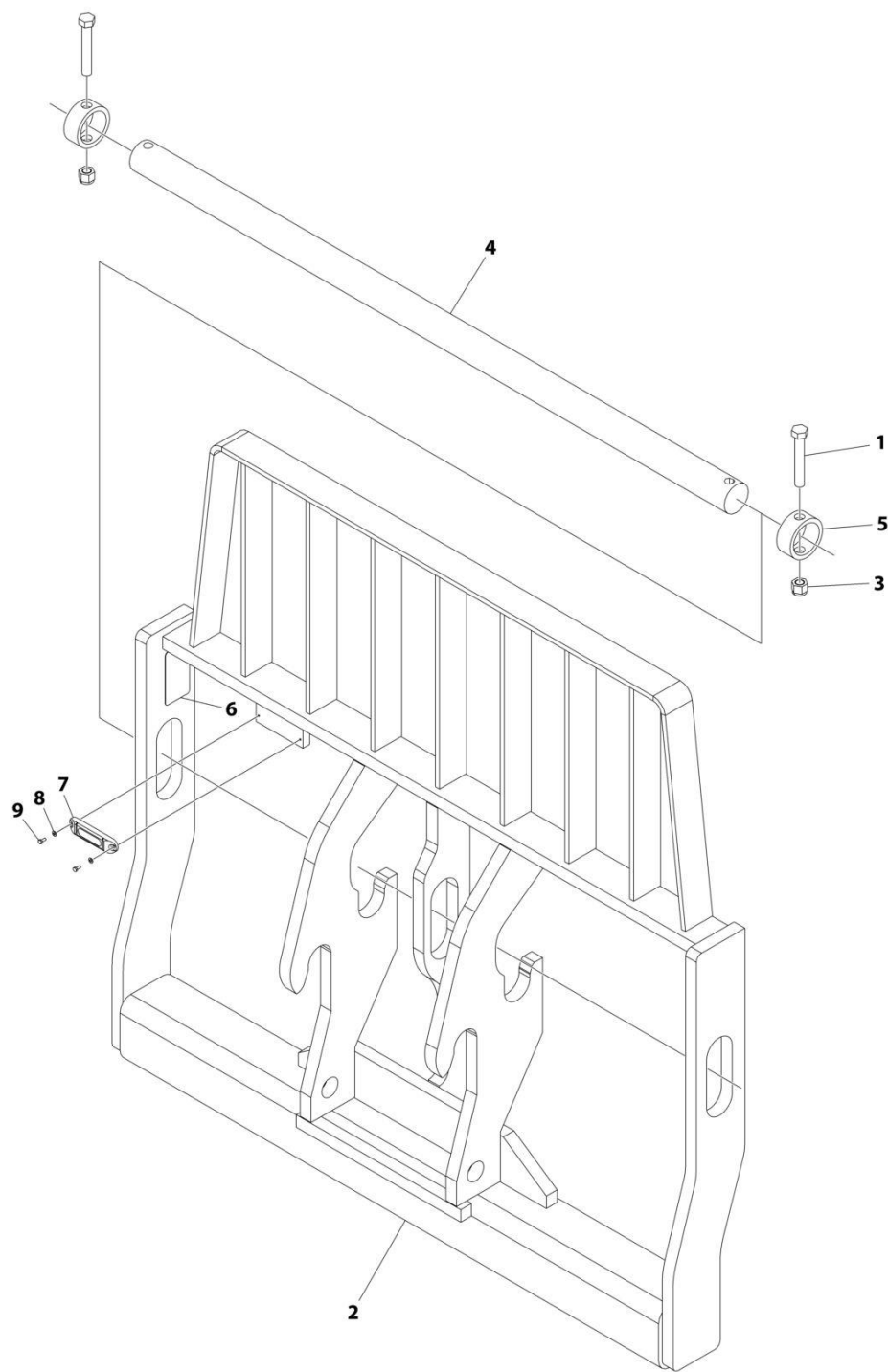
SECTION 3 - ATTACHMENTS

FIGURE 3-7. BUCKET (1.15 M³)

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 3-8. CARRIAGE ASSEMBLY (50 INCH)



ART_1170021_I

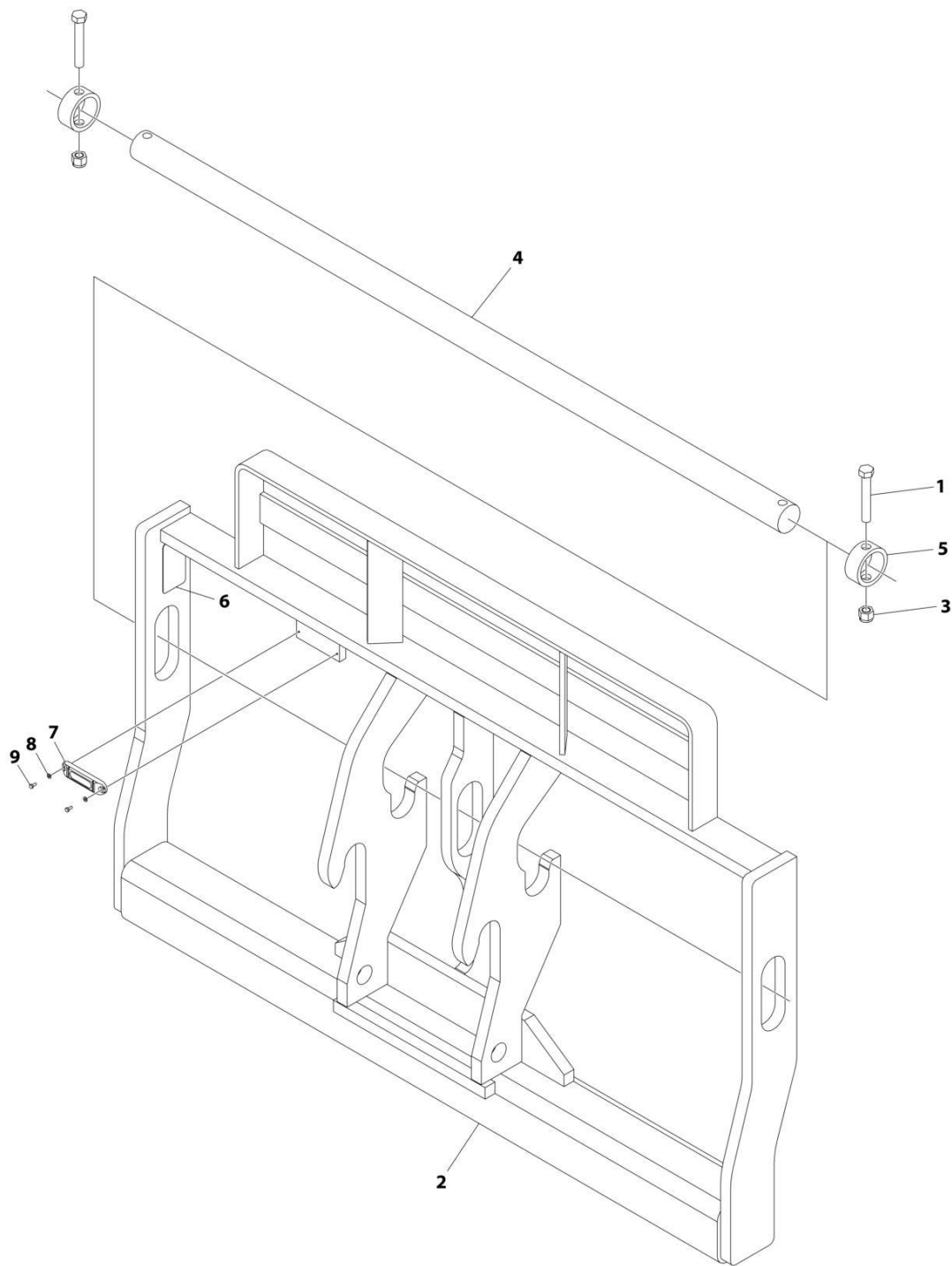
SECTION 3 - ATTACHMENTS

FIGURE 3-8. CARRIAGE ASSEMBLY (50 INCH)

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 3-9. CARRIAGE ASSEMBLY (60 INCH)



ART_1170024_I

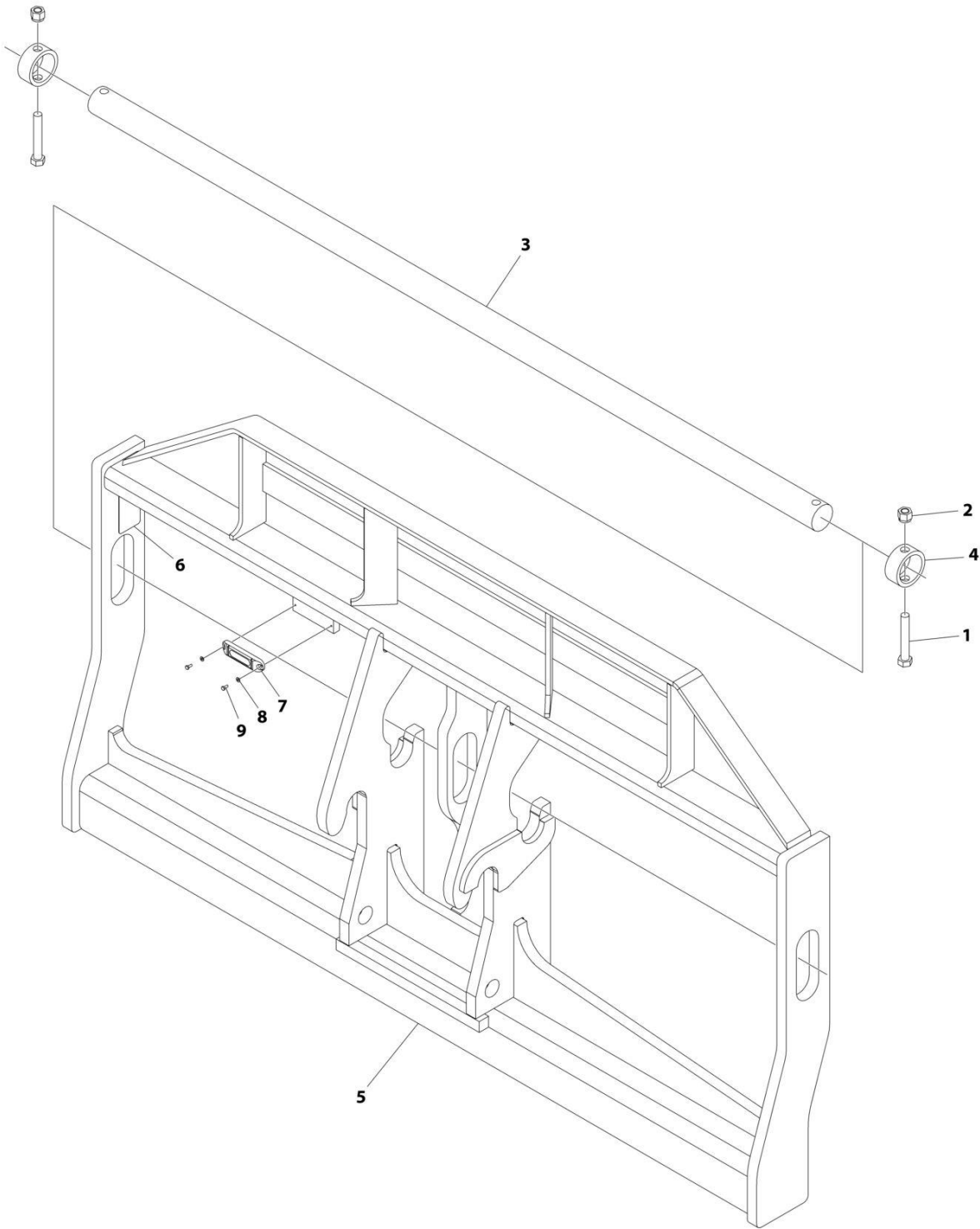
SECTION 3 - ATTACHMENTS

FIGURE 3-9. CARRIAGE ASSEMBLY (60 INCH)

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 3-10. CARRIAGE ASSEMBLY (72 INCH)



ART_1001211516_E

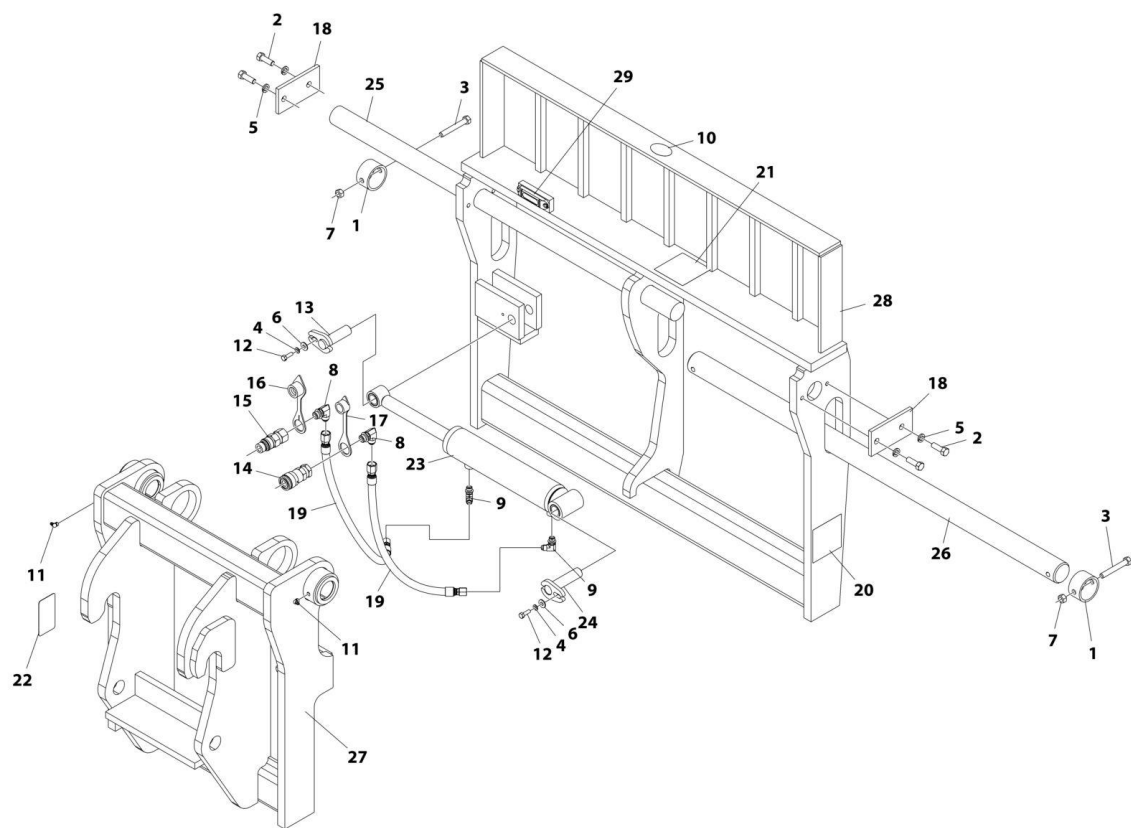
SECTION 3 - ATTACHMENTS

FIGURE 3-10. CARRIAGE ASSEMBLY (72 INCH)

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 3-11. CARRIAGE ASSEMBLY - SIDE SHIFT (48 INCH)



ART_1001242644_C

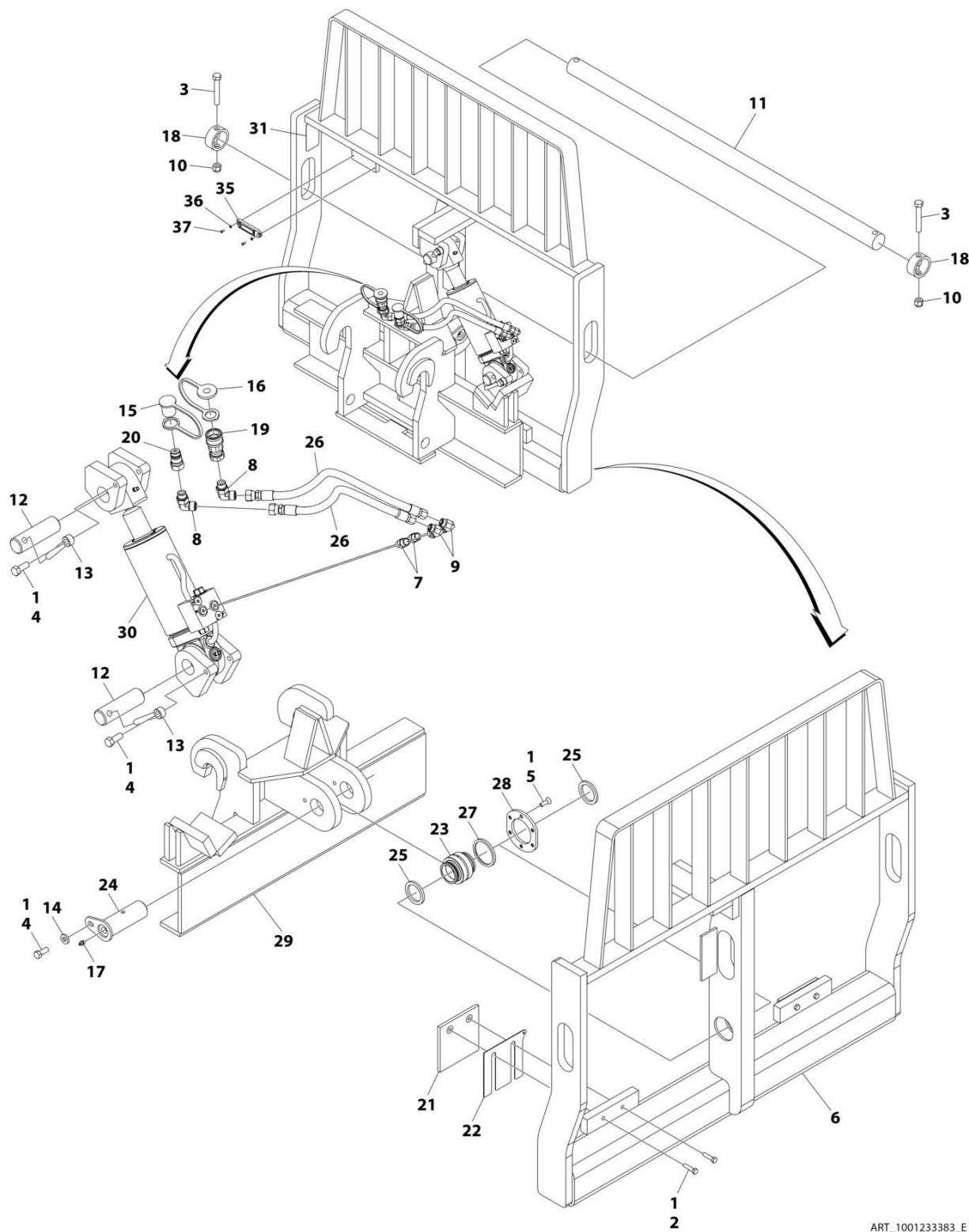
SECTION 3 - ATTACHMENTS

FIGURE 3-11. CARRIAGE ASSEMBLY - SIDE SHIFT (48 INCH)

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 3-12. CARRIAGE ASSEMBLY - SIDE TILT (50 INCH)



ART_1001233383_E

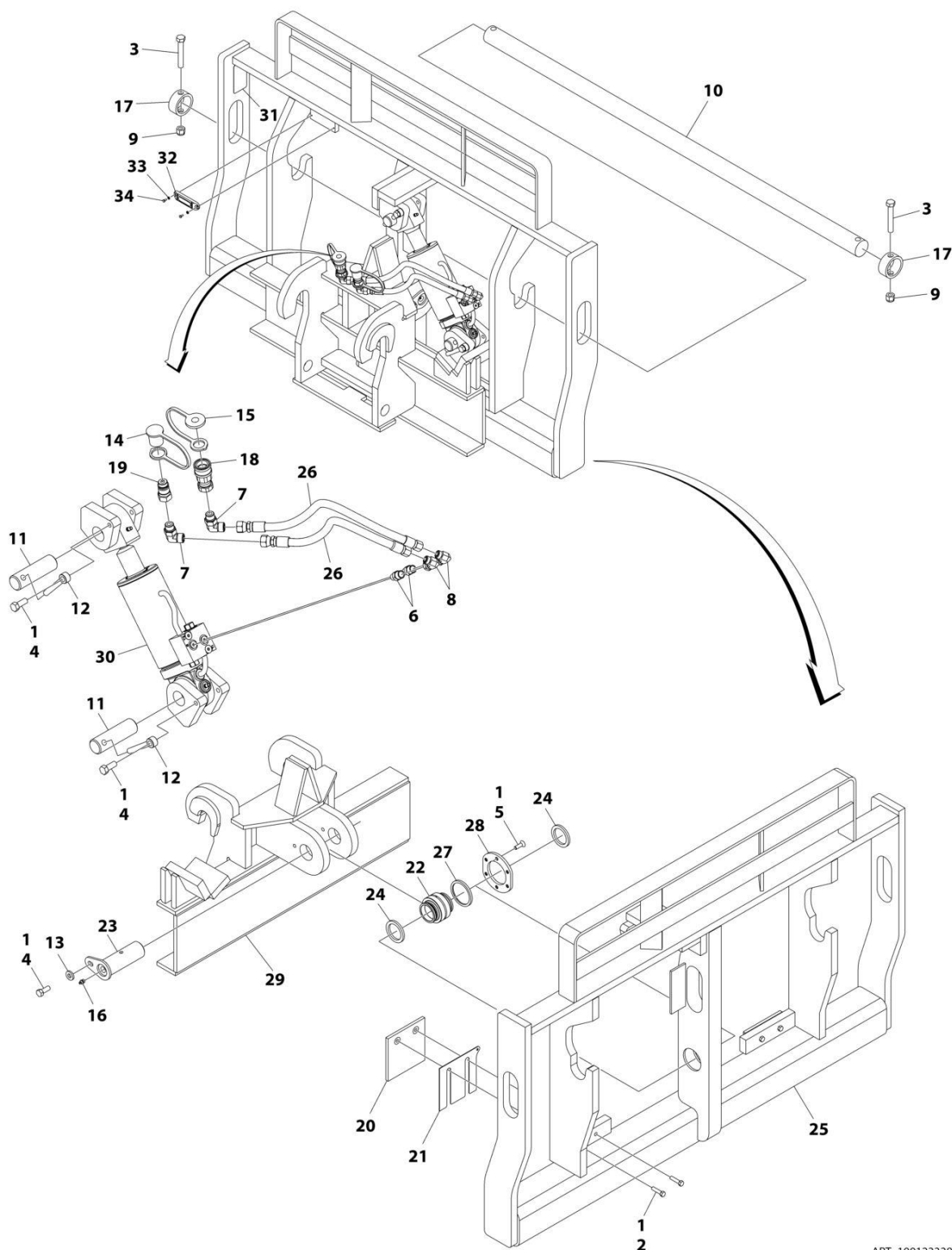
SECTION 3 - ATTACHMENTS

FIGURE 3-12. CARRIAGE ASSEMBLY - SIDE TILT (50 INCH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001233383	NLA	SIDE TILT CARRIAGE ASSEMBLY (50 INCH) (No longer available, use item 1 to 37 for service or 1001277290 for replacement)	E
1	0100011	AR	Compound, Locking	
2	0641612	4	Bolt 3/8 x 1-1/2	
3	0642032	2	Bolt 5/8 x 4	
4	0681810	3	Bolt 1/2 x 1-1/4	
5	0741610	6	Screw 3/8 x 1.25	
6	See Note	NSS	Carriage (Note: Purchase Complete Assembly)	
7	2110606	2	Fitting, Straight ORFS	
8	2130808	2	Adapter, 90	
9	2172106	2	Fitting, 90 ORFS	
10	3300240	2	Nut 5/8	
11	3423275	1	Pin	
12	3423307	2	Pin	
13	3841203	2	Keeper	
14	4891800	1	Flatwasher	
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	1001090063	2	Pad	
22	1001090064	AR	Shim	
23	1001090140	1	Bearing	
24	1001099113	1	Pin	
25	1001099115	2	Sleeve	
26	1001239734	2	Hose	
27	1001120914	1	Shim	
28	1001120915	1	Plate	
29	See Note	NSS	Carriage, Base Plate (Note: Purchase Complete Assembly)	
30	1001163414	1	Cylinder, Side Tilt (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
31	See Note	NSS	SN Plate (Note: Stamped Part - Not Available for Purchase)	
35	1001227670	1	Tag, RFID	
36	4811400	2	Washer M4	
37	0760405	2	Bolt M4 x 10	

SECTION 3 - ATTACHMENTS

FIGURE 3-13. CARRIAGE ASSEMBLY - SIDE TILT (60 INCH)



ART_1001233384_F

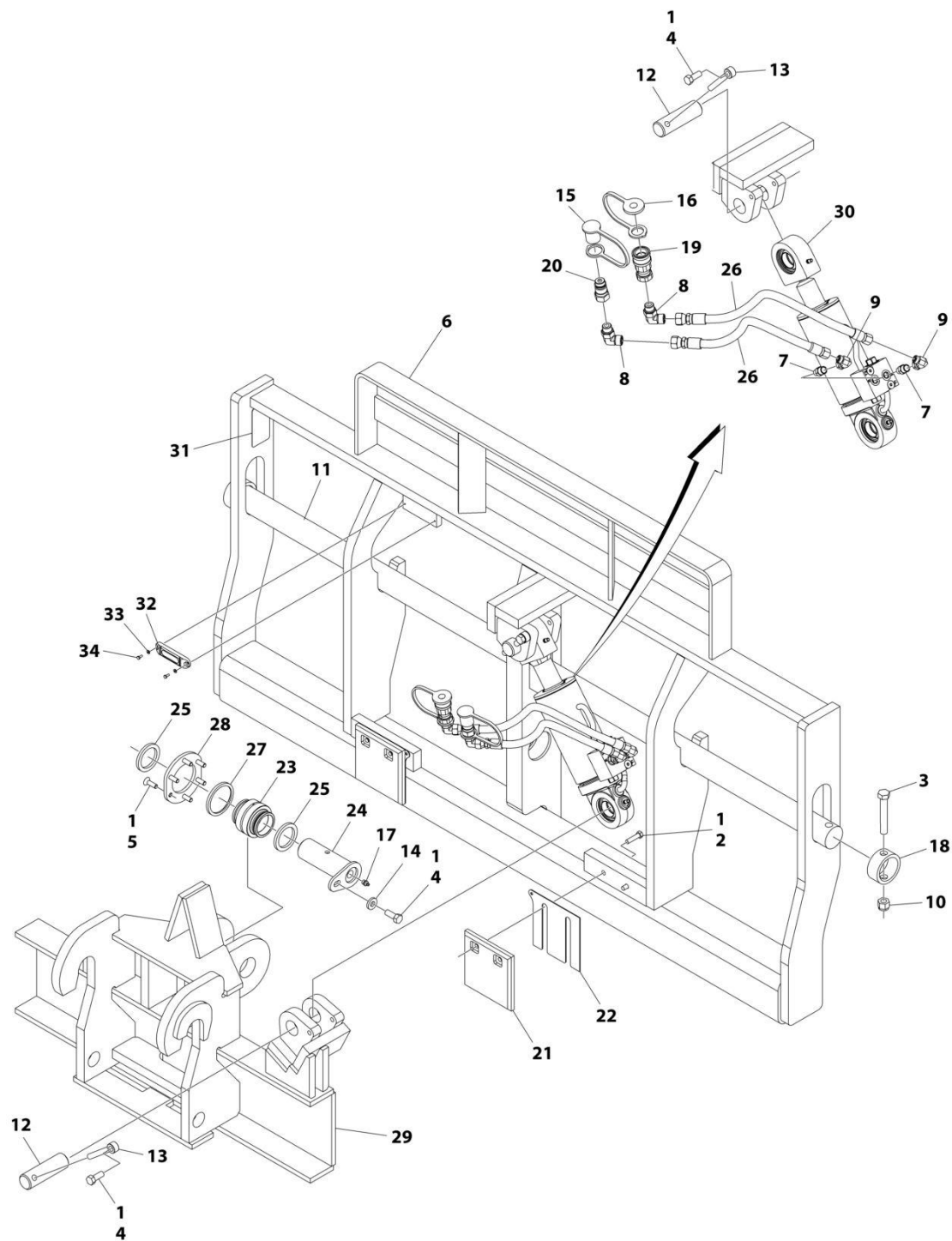
SECTION 3 - ATTACHMENTS

FIGURE 3-13. CARRIAGE ASSEMBLY - SIDE TILT (60 INCH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001233384	Ref	SIDE TILT CARRIAGE ASSEMBLY (60 INCH)	F
1	0100011	AR	Compound, Locking	
2	0641612	4	Bolt 3/8 x 1-1/2	
3	0642032	2	Bolt 5/8 x 4	
4	0681810	3	Bolt 1/2 x 1-1/4	
5	0741610	6	Screw 3/8 x 1-1/4	
6	2110606	2	Fitting, Straight	
7	2130808	2	Adapter, 90	
8	2172106	2	Fitting, 90	
9	3300240	2	Nut 5/8	
10	3423242	1	Pin	
11	3423307	2	Pin	
12	3841203	2	Keeper	
13	4891800	1	Washer	
14	8420053	1	Cap	
15	8420055	1	Plug	
16	88671001	1	Fitting, Grease	
17	90200003	2	Collar	
18	91403413	1	Fitting, Straight	
19	91403414	1	Fitting, Straight	
20	1001090063	2	Pad	
21	1001090064	AR	Shim	
22	1001090140	1	Bearing	
23	1001099113	1	Pin	
24	1001099115	2	Sleeve	
25	See Note	NSS	Carriage, Side Tilt (Note: Purchase Complete Assembly)	
26	1001239734	2	Hose	
27	1001120914	1	Shim	
28	1001120915	1	Plate	
29	1001133072	1	Carriage, Base Pivot	
30	1001163414	1	Cylinder, Side Tilt (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
31	See Note	NSS	SN Plate (Note: Stamped Part - Not Available for Purchase)	
32	1001227670	1	Tag, RFID	
33	4811400	2	Washer M4	
34	0760405	2	Bolt M4 x 10	

SECTION 3 - ATTACHMENTS

FIGURE 3-14. CARRIAGE ASSEMBLY - SIDE TILT (72 INCH)



ART_1001233385_E

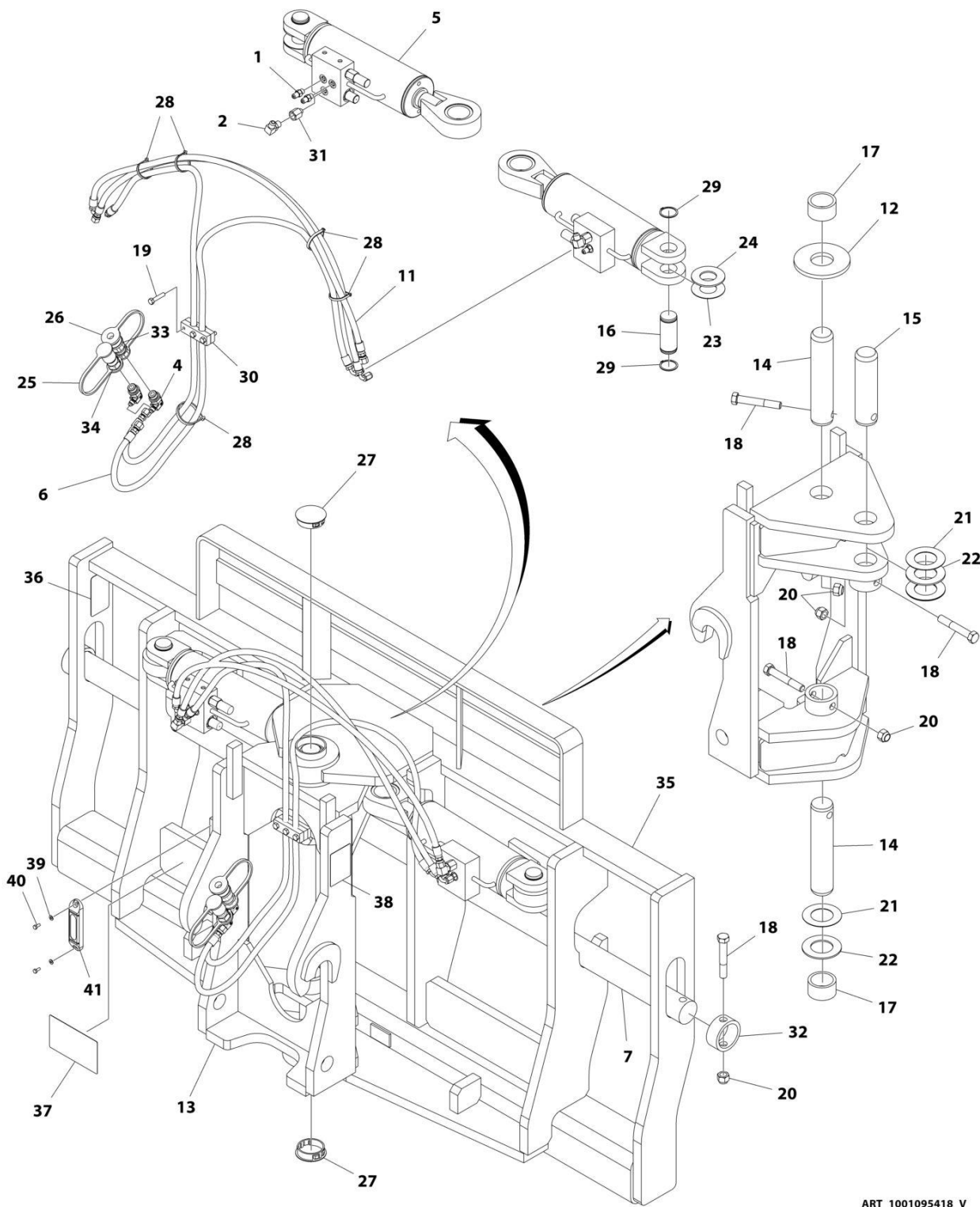
SECTION 3 - ATTACHMENTS

FIGURE 3-14. CARRIAGE ASSEMBLY - SIDE TILT (72 INCH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001233385	NLA	SIDE TILT CARRIAGE ASSEMBLY (72 INCH) (No longer available, use item 1 to 34 for service or 1001276666 for replacement)	E
1	0100011	AR	Compound, Locking	
2	0641612	4	Bolt 3/8 x 1-1/2	
3	0642032	2	Bolt 5/8 x 4	
4	0681810	3	Bolt 1/2 x 1-1/4	
5	0741610	6	Screw 3/8 x 1-1/4	
5	See Note	NSS	Carriage, Side Tilt (Note: Purchase Complete Assembly)	
7	2110606	2	Adapter, Straight	
8	2130808	2	Adapter, 90	
9	2172106	2	Adapter, 90	
10	3300240	2	Nut 5/8	
11	3423276	1	Pin, Fork	
12	3423307	2	Pin, Side Tilt Cylinder	
13	3841203	2	Keeper, Rod	
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	Adapter	
20	91403414	1	Adapter	
21	1001090063	2	Pad, Wear	
22	1001090064	AR	Shim, Wear Pad	
23	1001090140	1	Bearing, Side Tilt Spherical	
24	1001099113	1	Pin, Side Tilt Frame Pivot	
25	1001099115	2	Sleeve, Tilt Bearing Spacer	
26	1001239734	2	Hose	
27	1001120914	1	Shim, Bearing Retainer	
28	1001120915	1	Plate, Bearing Retainer	
29	1001133072	1	Carriage, Base Pivot	
30	1001163414	1	Cylinder, Side Tilt (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
31	See Note	NSS	SN Plate (Note: Stamped Part - Not Available for Purchase)	
32	1001227670	1	Tag, RFID	
33	4811400	2	Washer M4	
34	0760405	2	Bolt M4 x 10	

SECTION 3 - ATTACHMENTS

FIGURE 3-15. CARRIAGE ASSEMBLY - SWING (72 INCH)



ART_1001095418_V

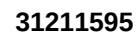
SECTION 3 - ATTACHMENTS

FIGURE 3-15. CARRIAGE ASSEMBLY - SWING (72 INCH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001095418	Ref	CARRIAGE ASSEMBLY - SWING (72 INCH)	V
1	2220415	4	Fitting, Straight ORFS	
2	2220473	2	Fitting, 90 ORFS	
4	1001211139	2	Adapter, 90	
5	1001103182	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	

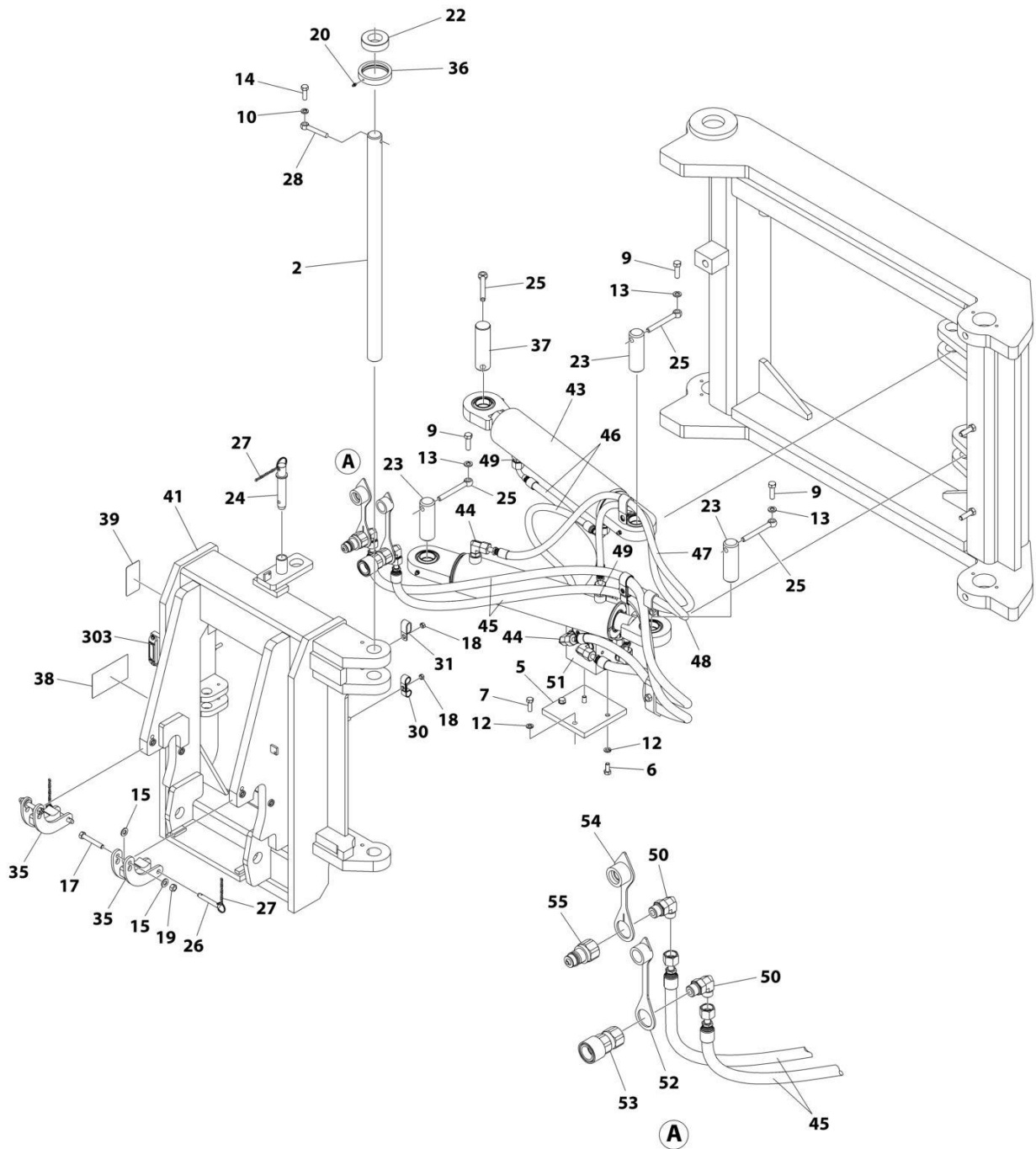
128

1075



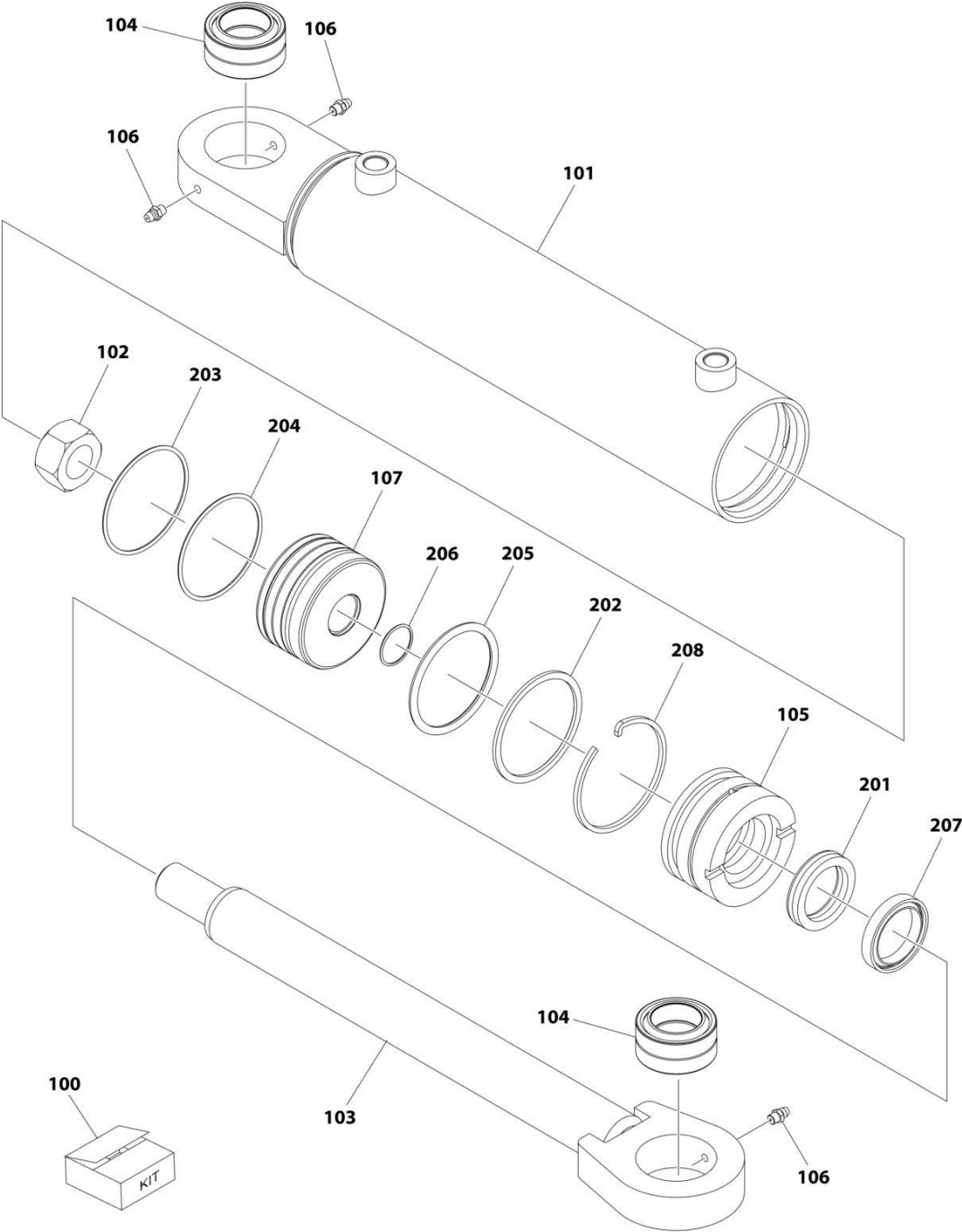
ART_1001238627_C_1OF3

SECTION 3 - ATTACHMENTS



ART_1001238627_C_2OF3

SECTION 3 - ATTACHMENTS



ART_1001238627_C_3OF3

SECTION 3 - ATTACHMENTS

FIGURE 3-16. CARRIAGE ASSEMBLY - SWING (180)

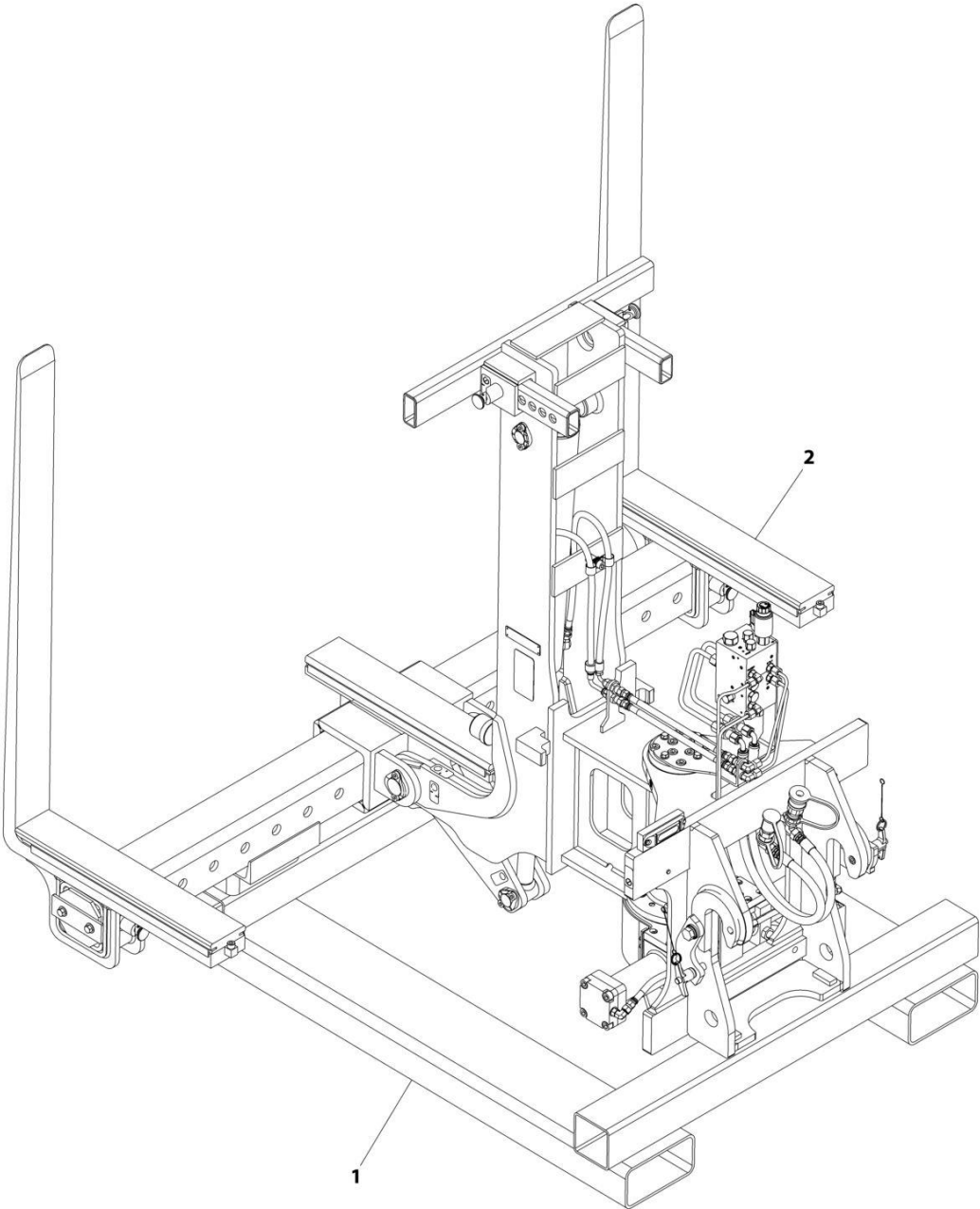
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238627	Ref	SWING CARRIAGE 180	C
1	70020025	1	Pin	
2	70020026	1	Pin	
3	70020027	1	Pin Fork	
4	70020028	2	Fork Pin Retainer	
5	70029481	1	Plate	
6	70027773	2	Bolt	
7	70029478	2	Bolt	
8	7029997	6	Bolt	
9	70021429	4	Bolt	
10	90554020	2	Washer	
11	70020002	2	Bolt	
12	90554067	4	Washer	
13	90554042	10	Washer	
14	70021382	2	Bolt	
15	70021338	4	Washer	
16	7029703	6	Washer	
17	70029701	2	Bolt	
18	70021367	4	Nut	
19	70027642	4	Nut	
20	90554045	4	Zerk, Grease	
21	90554040	5	Washer	
22	90554024	2	Bearing	
23	90554044	3	Pin	
24	90554026	1	Pin	
25	90554043	4	Pin, Rod End	
26	90554035	2	Pin	
27	90554025	3	Chain, #12 Jack	
28	90554021	1	Pin, Rod End	
29	90554039	1	Hose Clamp	
30	7029996	2	Clamp, Hose	
31	70029480	2	Clamp, Hose	
32	70027644	2	Retainer, Bearing	
33	70027645	1	Retainer, Bearing	
34	70020015	4	Bearing	
35	90554027	2	Pin Support Wmt	
36	70020017	2	Spacer	
37	70022530	1	Pin	
38	1001110704	1	Decal, Warning	
39	N.S.S.	1	Serial Tag	
40	N.S.S.	1	Middle Frame	
41	N.S.S.	1	Rear Frame	
42	N.S.S.	1	Front Frame	
43	70027641	2	Cylinder Assy (includes items 100 thru 107)	
44	70028525	7	Elbow, 90	
45	70029702	2	Hose	
46	70029556	2	Hose	
47	70029554	1	Hose	
48	70029553	1	Hose	
49	70028486	3	Fitting Straight	

SECTION 3 - ATTACHMENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	70028526	2	Elbow, 90	
51	70029479	1	Valve	
52	8420055	1	Dust Plug, Female	
53	91403413	1	Hyd Couplier, Female	
54	8420053	1	Dust Cap, Male	
55	91403414	1	Hyd Couplier, Male	
100	70027649	1	Cylinder Seal Kit (includes items 201 thru 208)	
101	N.S.S.	1	Cylinder Tube Weldment	
102	70021440	1	Nut	
103	70021442	1	Cylinder Rod Weldment	
104	90554046	2	Bearing	
105	70021443	1	Cylinder Gland	
106	90554045	3	Grease Zerk	
107	70027647	1	Cylinder Piston	
201	Kit	1	Polypack	
202	Kit	1	Back-Up	
203	Kit	1	O-Ring	
204	Kit	1	O-Ring	
205	Kit	1	O-Ring	
206	Kit	1	O-Ring	
207	Kit	1	Rod Wiper	
208	Kit	1	Retainer, Gland	
303	1001227670	1	Tag, RFID	

SECTION 3 - ATTACHMENTS

FIGURE 3-17. CARRIAGE INSTALLATION - DRYWALL SWING



ART_1001246022_B

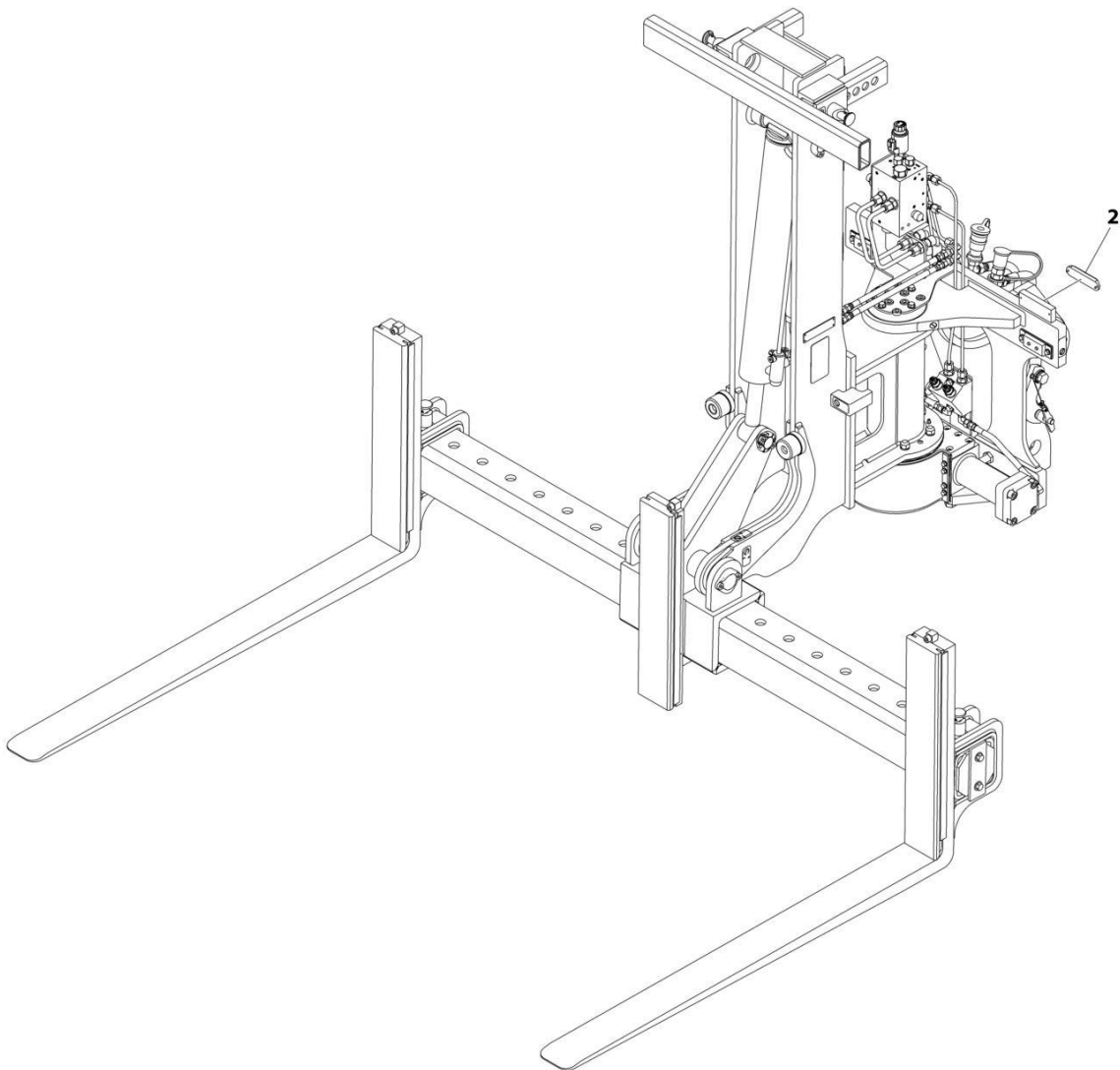
SECTION 3 - ATTACHMENTS

FIGURE 3-17. CARRIAGE INSTALLATION - 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 3-18. CARRIAGE ASSEMBLY - DRYWALL SWING



ART_1001230765_D

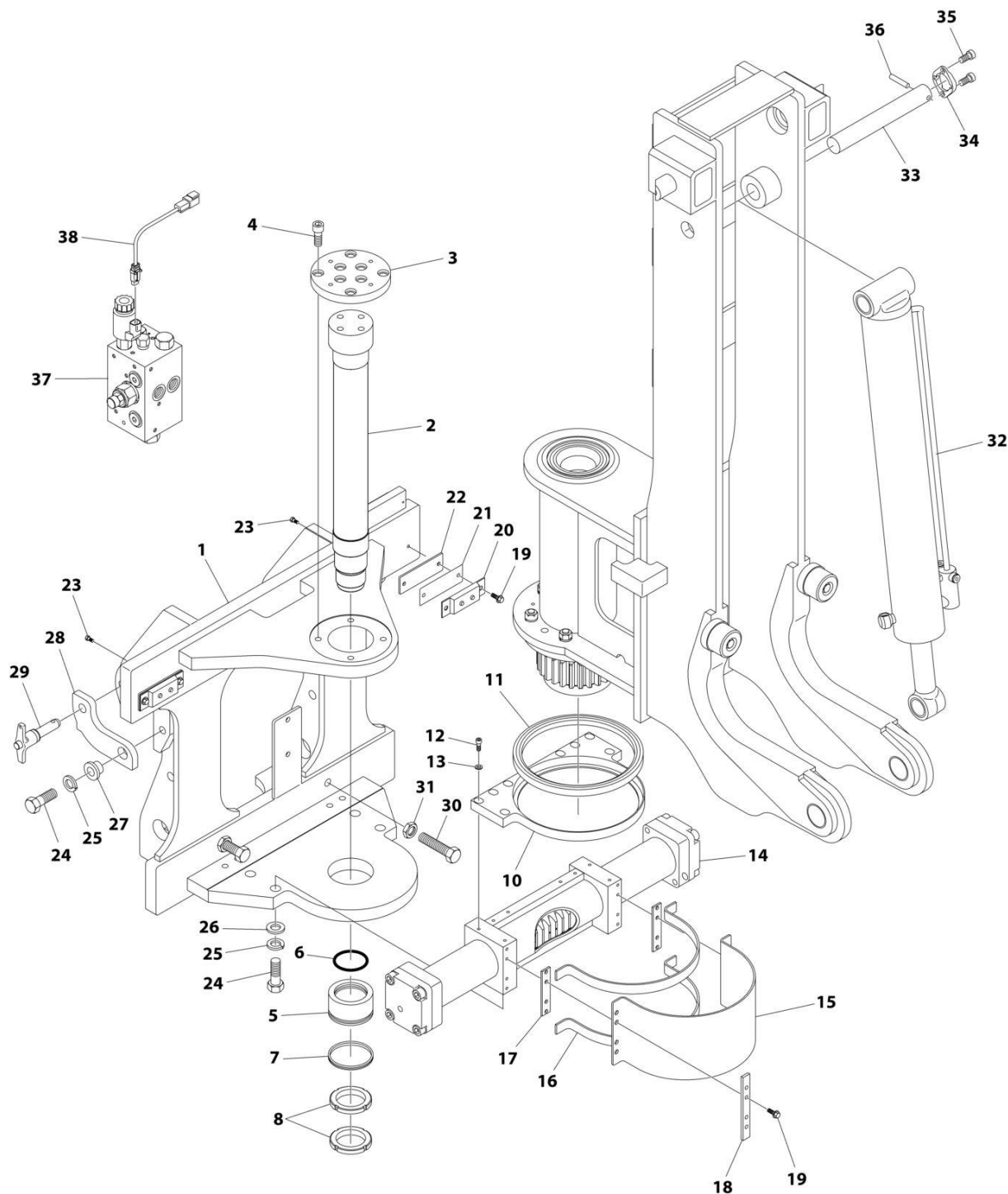
SECTION 3 - ATTACHMENTS

FIGURE 3-18. CARRIAGE ASSEMBLY - DRYWALL SWING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	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)	
2	1001227670	1	Tag, RFID	

SECTION 3 - ATTACHMENTS

FIGURE 3-19. CARRIAGE ASSEMBLY - DRYWALL SWING (BOARD HANDLER)



ART_1001230765_1

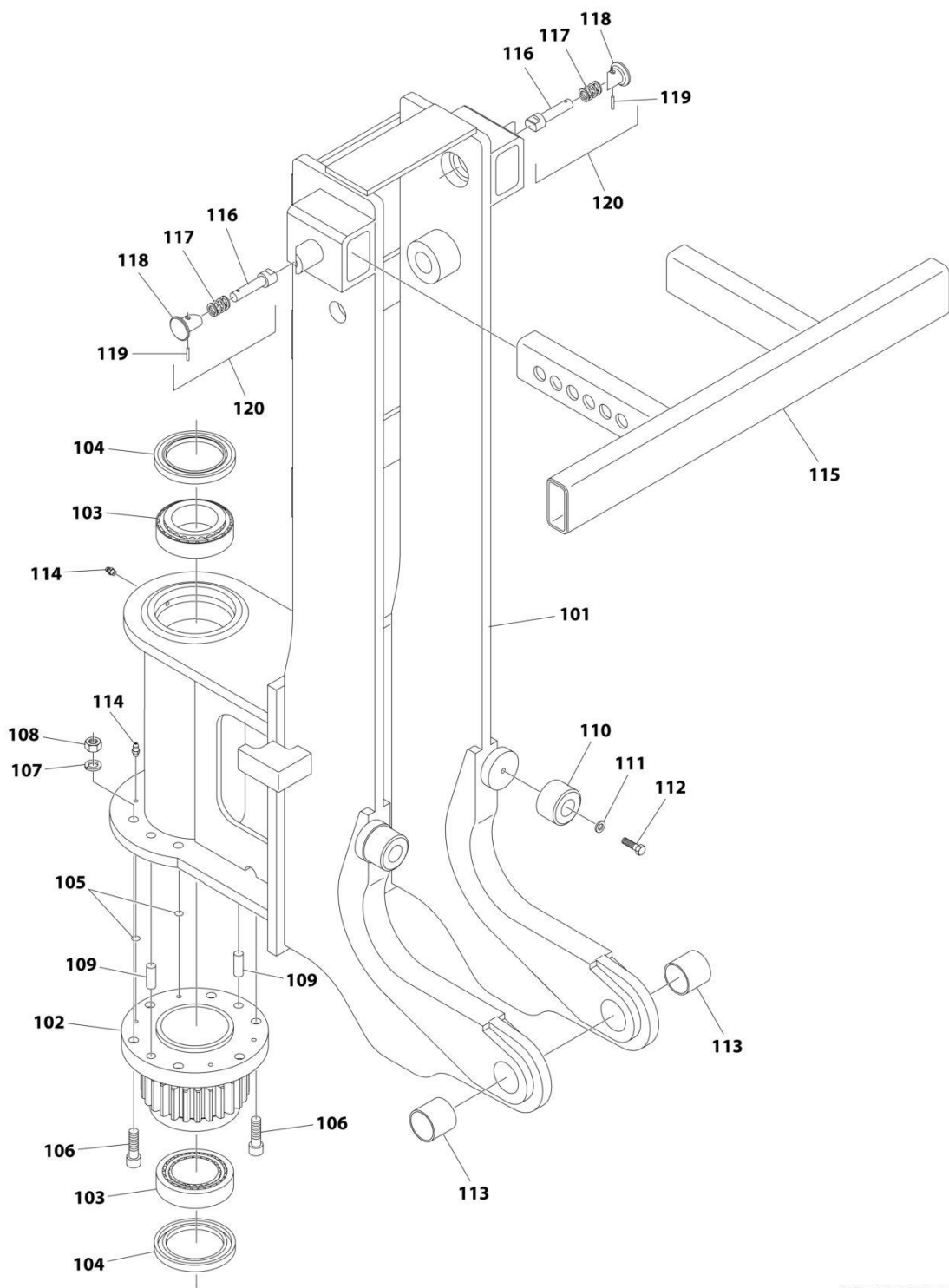
SECTION 3 - ATTACHMENTS

FIGURE 3-19. CARRIAGE ASSEMBLY - DRYWALL SWING (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 3-20. CARRIAGE ASSEMBLY - DRYWALL SWING (PIVOT FRAME GROUP)



ART_1001230765_2

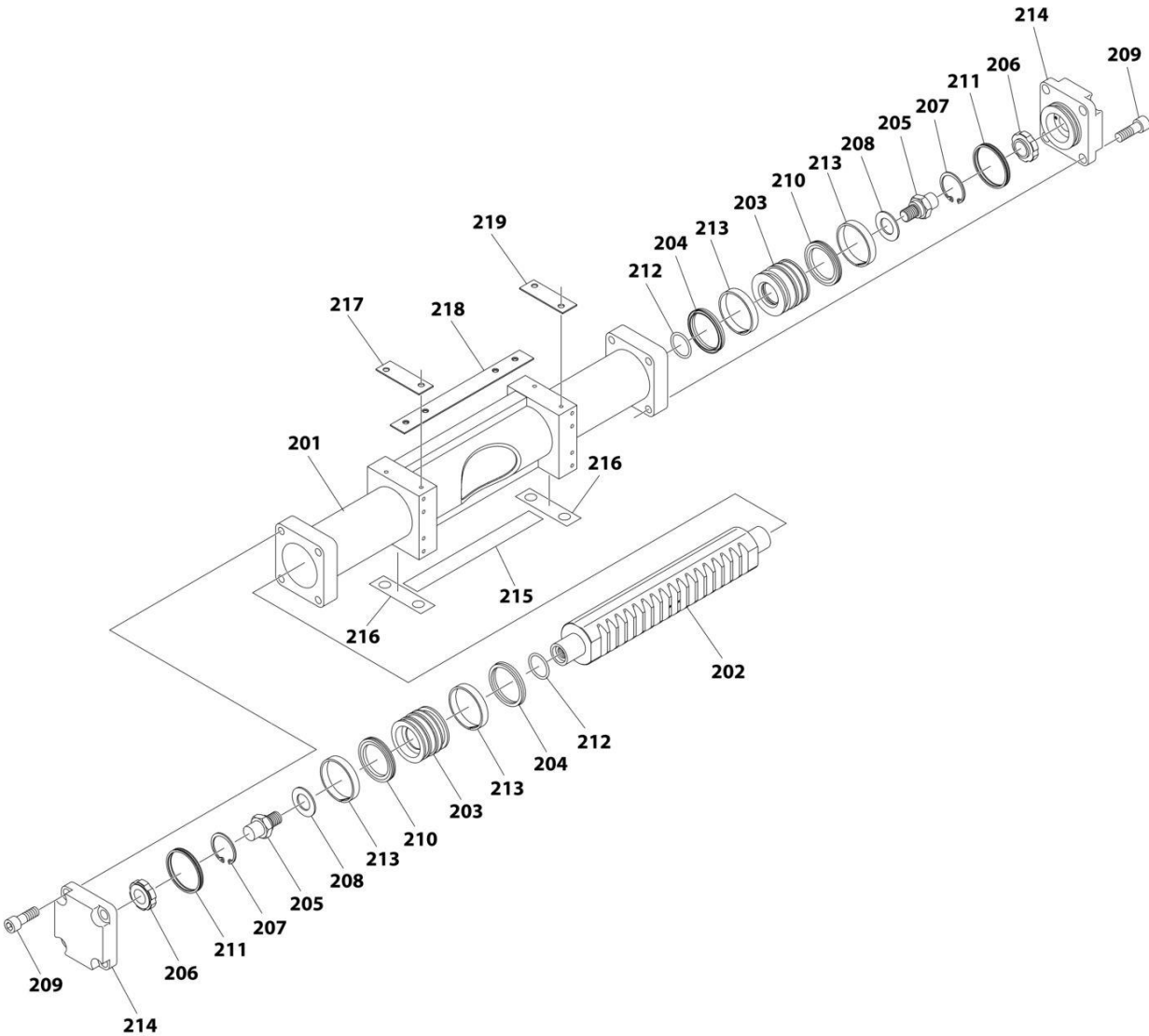
SECTION 3 - ATTACHMENTS

FIGURE 3-20. CARRIAGE ASSEMBLY - DRYWALL SWING (PIVOT FRAME GROUP)

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 3-21. CARRIAGE ASSEMBLY - DRYWALL SWING (CYLINDER)



ART_1001230765_3

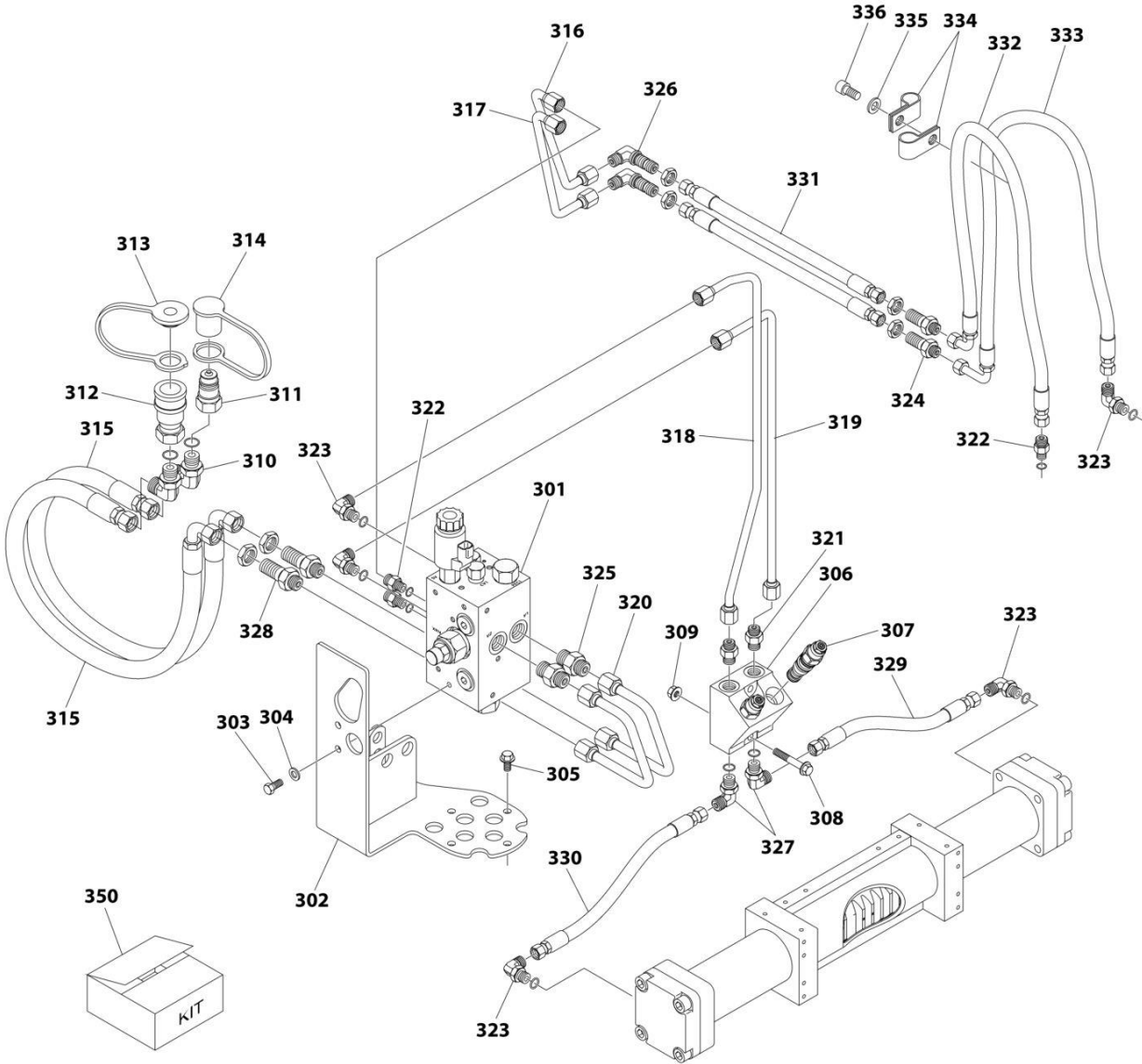
SECTION 3 - ATTACHMENTS

FIGURE 3-21. CARRIAGE ASSEMBLY - DRYWALL SWING (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 3-22. CARRIAGE ASSEMBLY - DRYWALL SWING (HYDRAULIC GROUP)



ART_1001230765_4

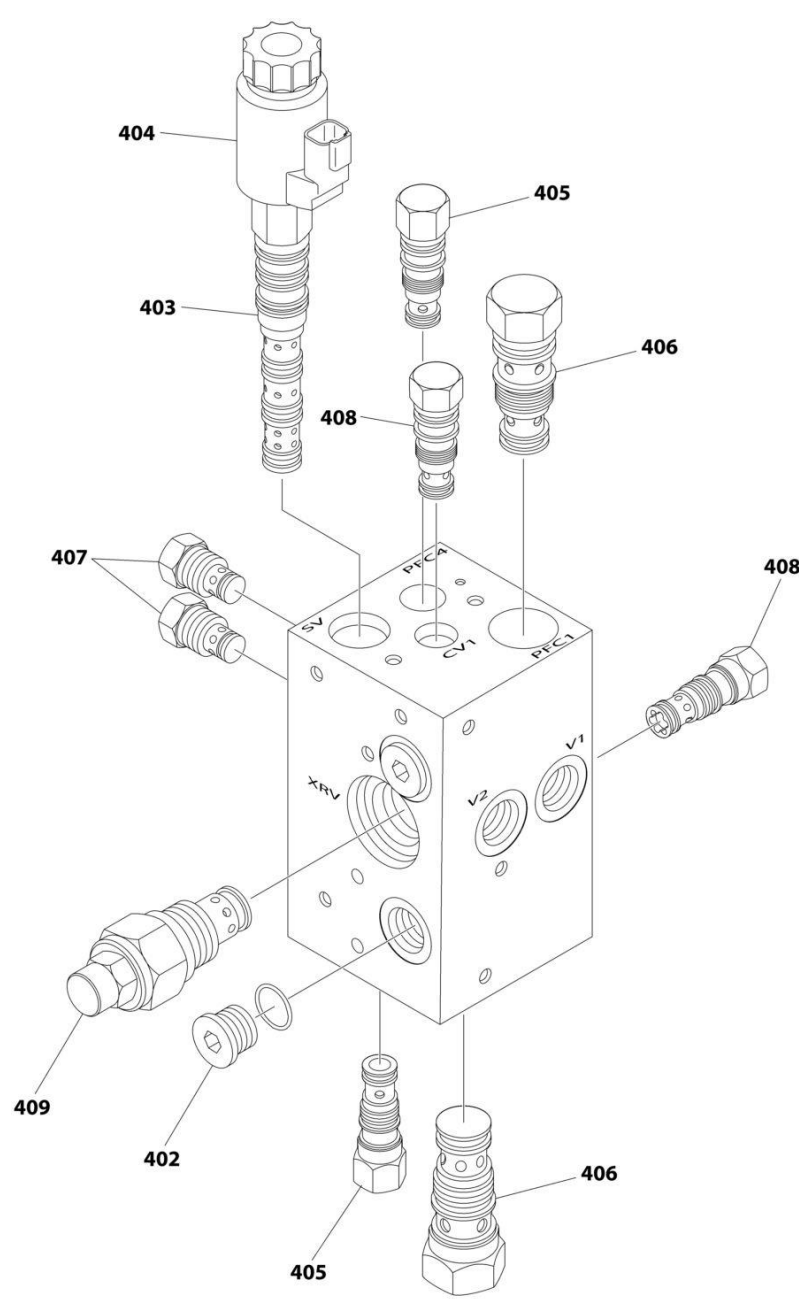
SECTION 3 - ATTACHMENTS

FIGURE 3-22. CARRIAGE ASSEMBLY - DRYWALL SWING (HYDRAULIC GROUP)

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 3-23. CARRIAGE ASSEMBLY - DRYWALL SWING (VALVE ASSEMBLY)



ART_1001230765_5

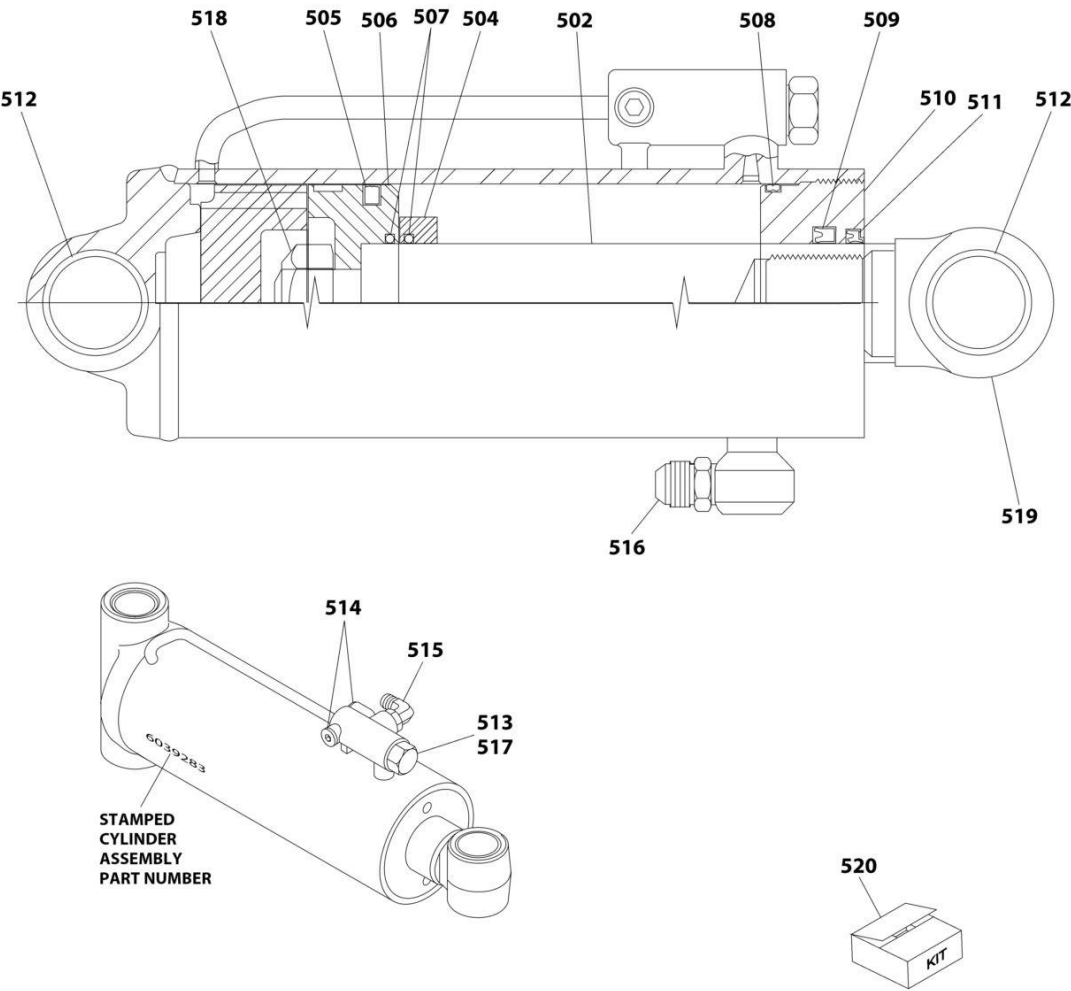
SECTION 3 - ATTACHMENTS

FIGURE 3-23. CARRIAGE ASSEMBLY - DRYWALL SWING (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 3-24. CARRIAGE ASSEMBLY - DRYWALL SWING (CYLINDER)



ART_1001230765_6

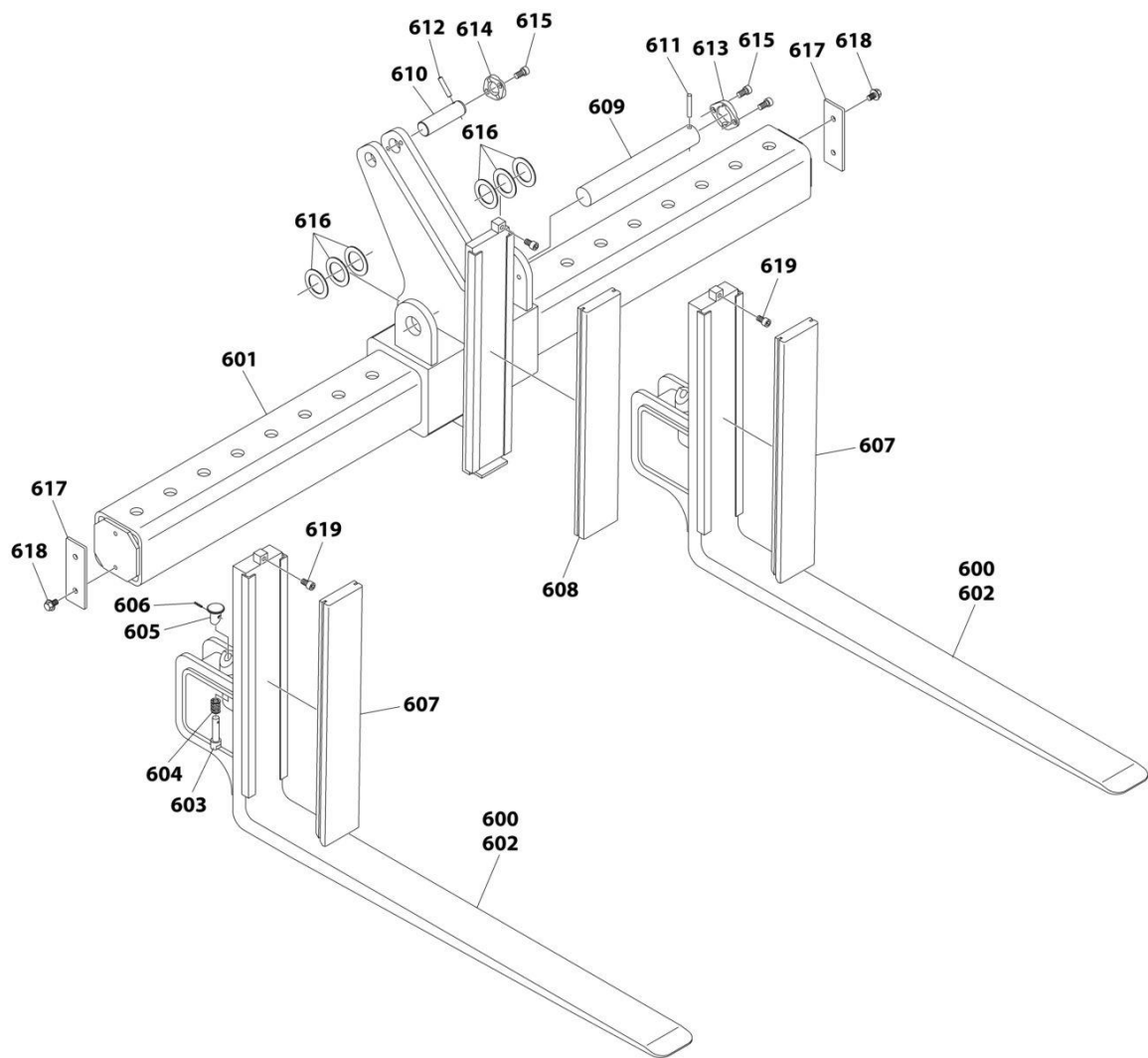
SECTION 3 - ATTACHMENTS

FIGURE 3-24. CARRIAGE ASSEMBLY - DRYWALL SWING (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 3-25. CARRIAGE ASSEMBLY - DRYWALL SWING FORK GROUP



ART_1001230765_7

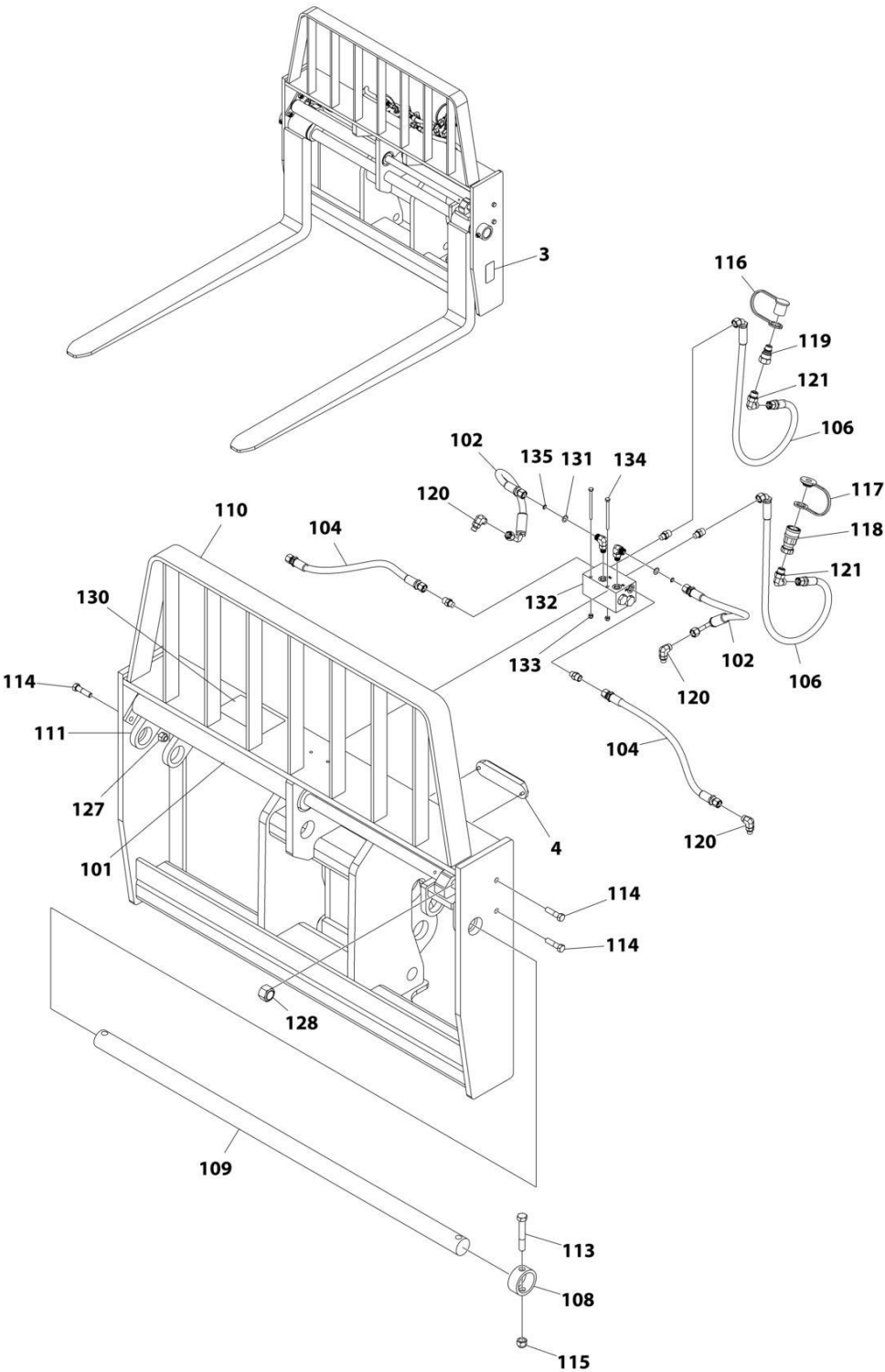
SECTION 3 - ATTACHMENTS

FIGURE 3-25. CARRIAGE ASSEMBLY - DRYWALL SWING FORK GROUP

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 3-26. CARRIAGE - FORK POSITIONING (4.5 TON)



ART_7301295_L

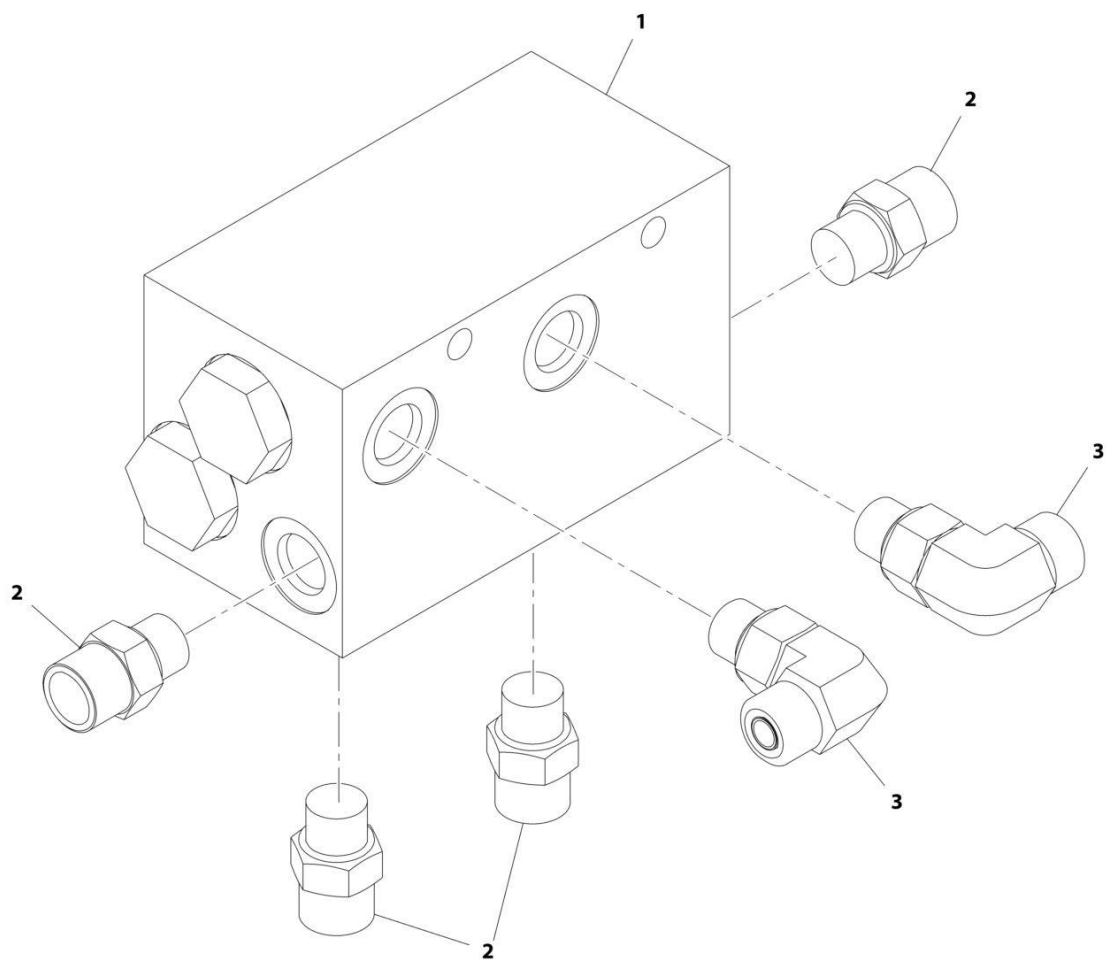
SECTION 3 - ATTACHMENTS

FIGURE 3-26. CARRIAGE - FORK POSITIONING (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	

SECTION 3 - ATTACHMENTS

FIGURE 3-27. CARRIAGE - FORK POSITIONING VALVE ASSEMBLY



ART_4641502-B

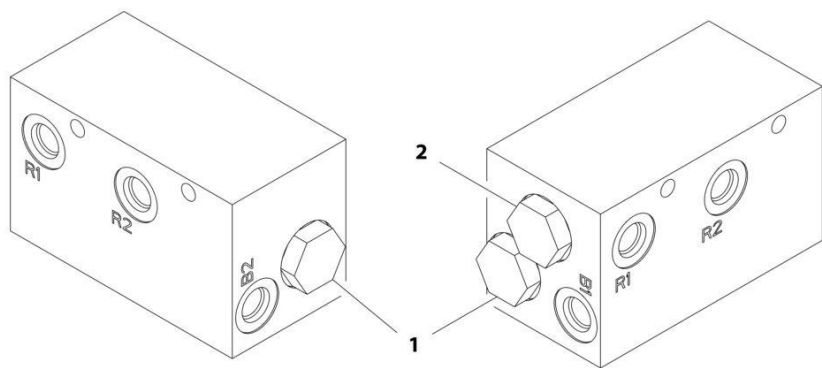
SECTION 3 - ATTACHMENTS

FIGURE 3-27. CARRIAGE - FORK POSITIONING VALVE ASSEMBLY

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 3 - ATTACHMENTS

FIGURE 3-28. VALVE - CARRIAGE DUAL FORK FLOW DIVIDER



ART_4641501-A

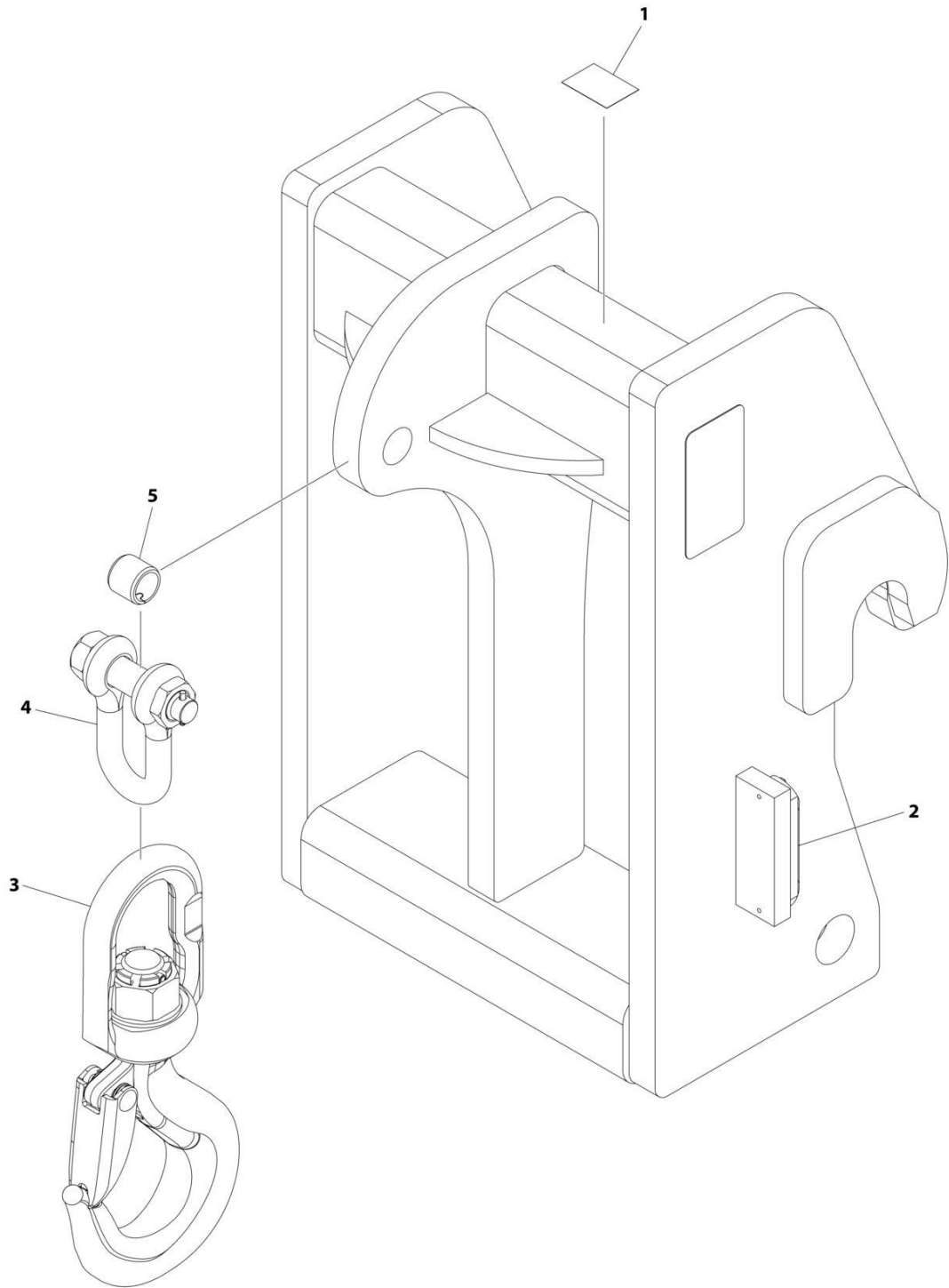
SECTION 3 - ATTACHMENTS

FIGURE 3-28. 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 3 - ATTACHMENTS

FIGURE 3-29. COUPLER MOUNTED HOOK



ART_1001207606_D

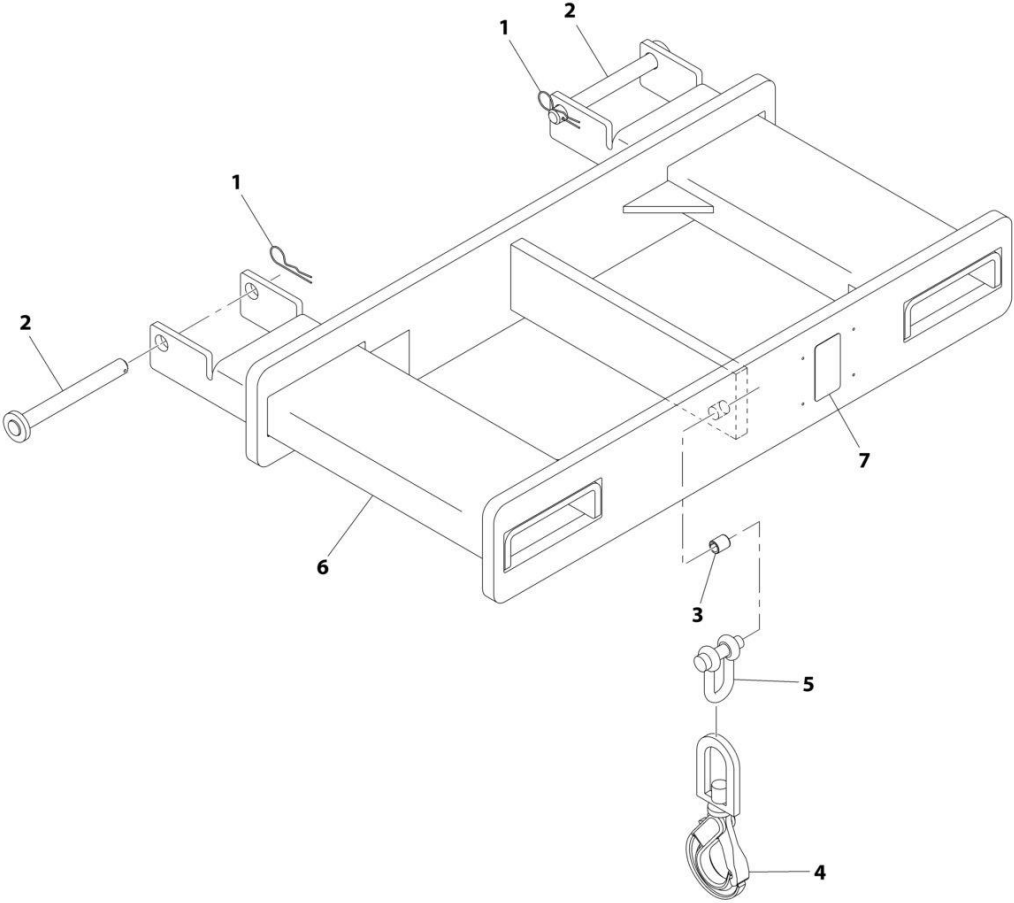
SECTION 3 - ATTACHMENTS

FIGURE 3-29. COUPLER MOUNTED HOOK

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 3-30. HOOK - 4 TON (FORK MOUNTED)



ART_1001097205-I

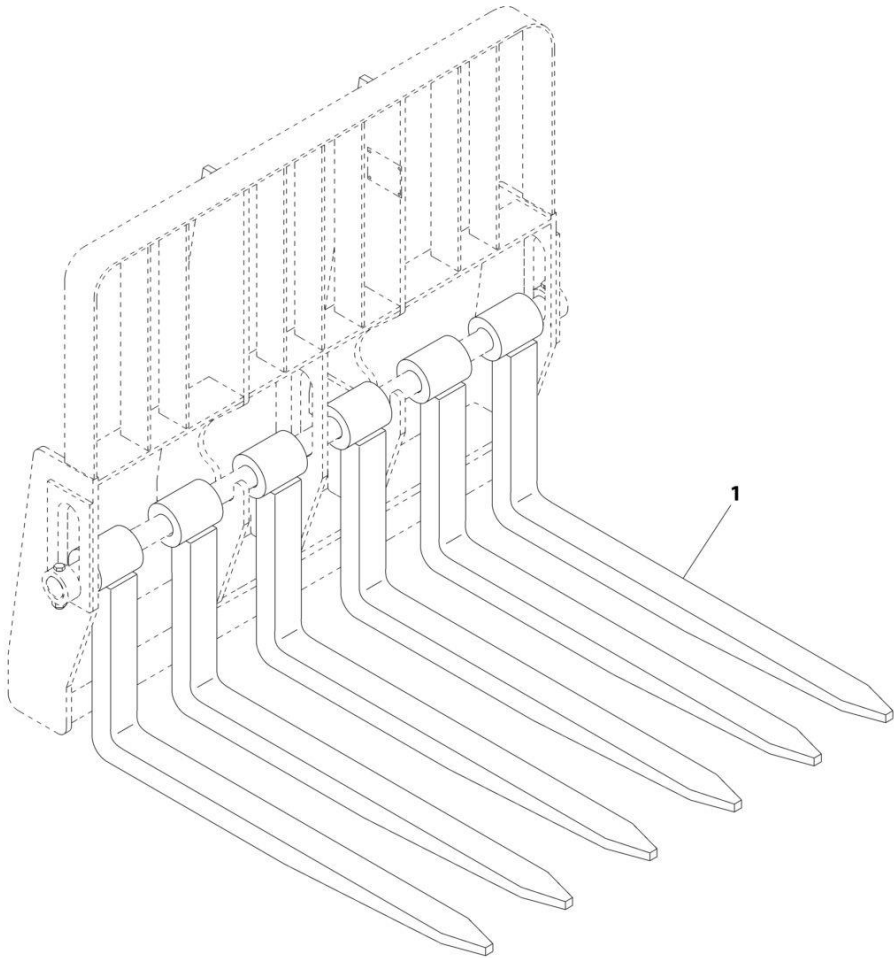
SECTION 3 - ATTACHMENTS

FIGURE 3-30. HOOK - 4 TON (FORK MOUNTED)

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 3-31. FORK - CUBING (2.00X2X48)



ART_2340037

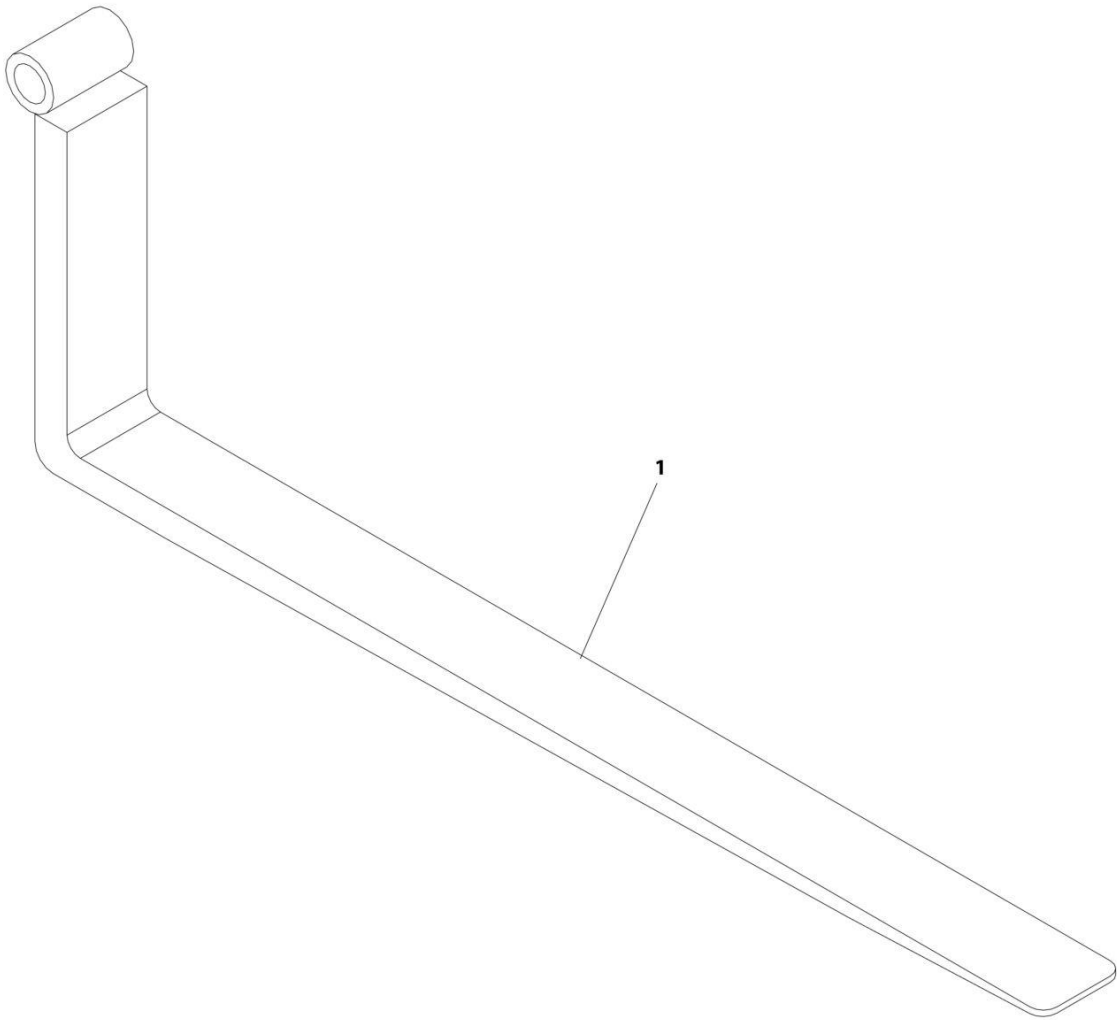
SECTION 3 - ATTACHMENTS

FIGURE 3-31. FORK - CUBING (2.00X2X48)

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 3-32. FORK - DUAL TAPER (2.00X6X72)



ART_1001259206

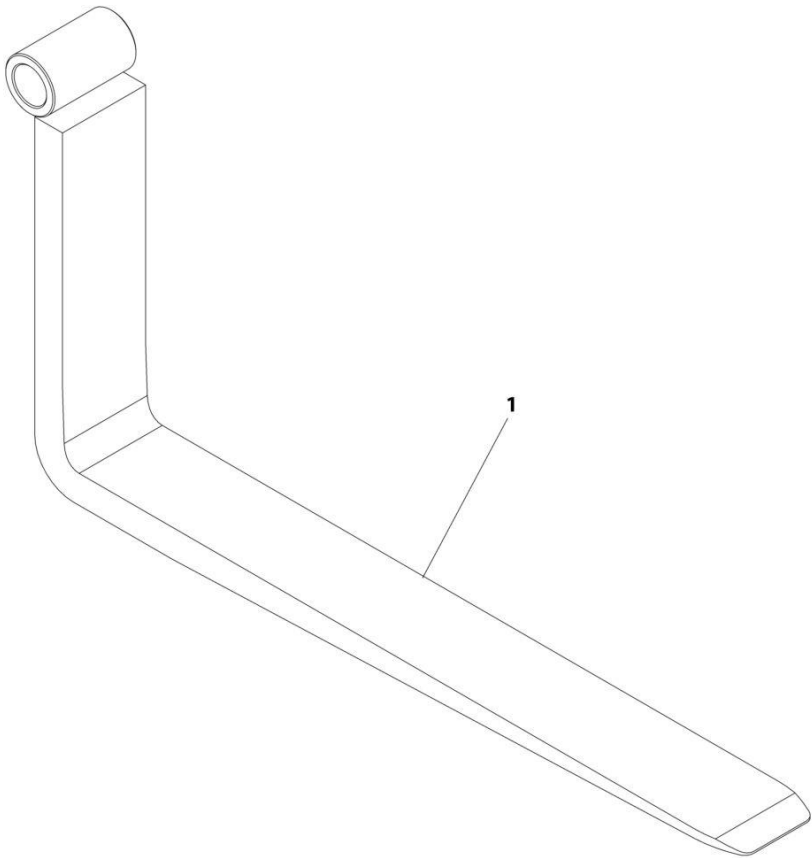
SECTION 3 - ATTACHMENTS

FIGURE 3-32. FORK - DUAL TAPER (2.00X6X72)

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 3-33. FORK - FULL TAPER (50X150X1220MM)



ART_1001258605

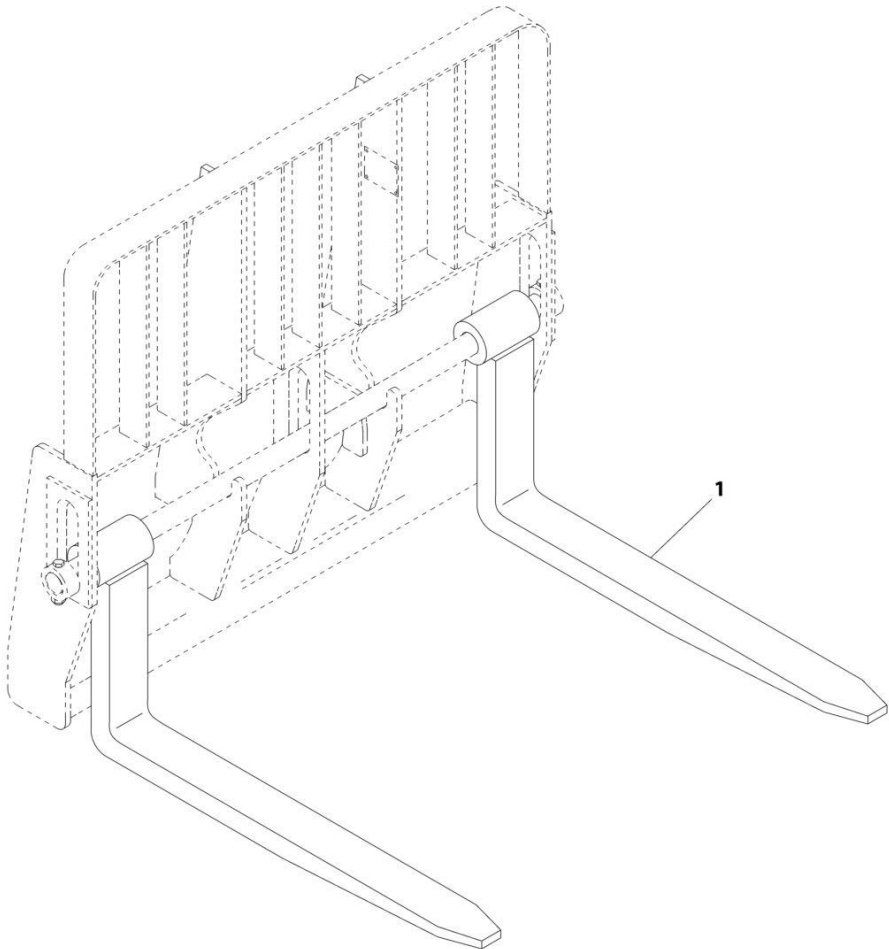
SECTION 3 - ATTACHMENTS

FIGURE 3-33. FORK - FULL TAPER (50X150X1220MM)

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 3-34. FORK - LUMBER (1.5X6X60)



ART_1001099457-C

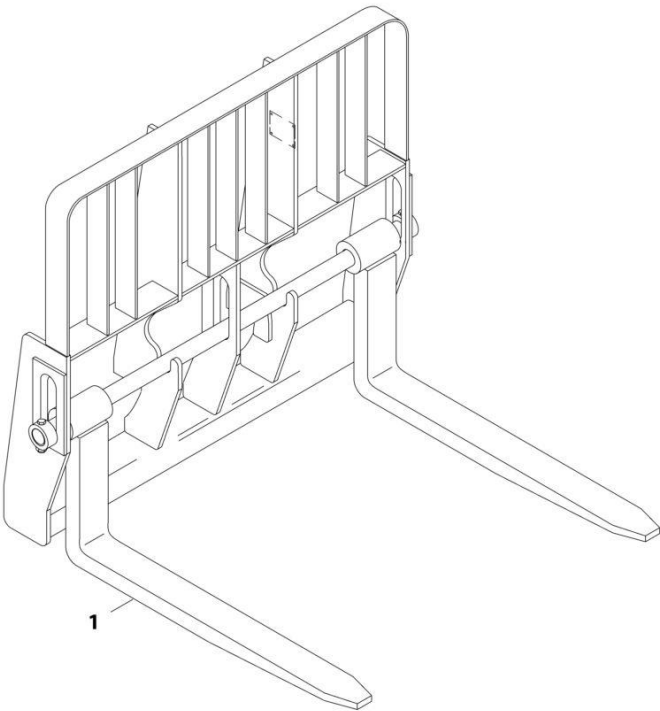
SECTION 3 - ATTACHMENTS

FIGURE 3-34. FORK - LUMBER (1.5X6X60)

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 3-35. FORK - LUMBER (2.00X7X60)



ART_1001097110-A

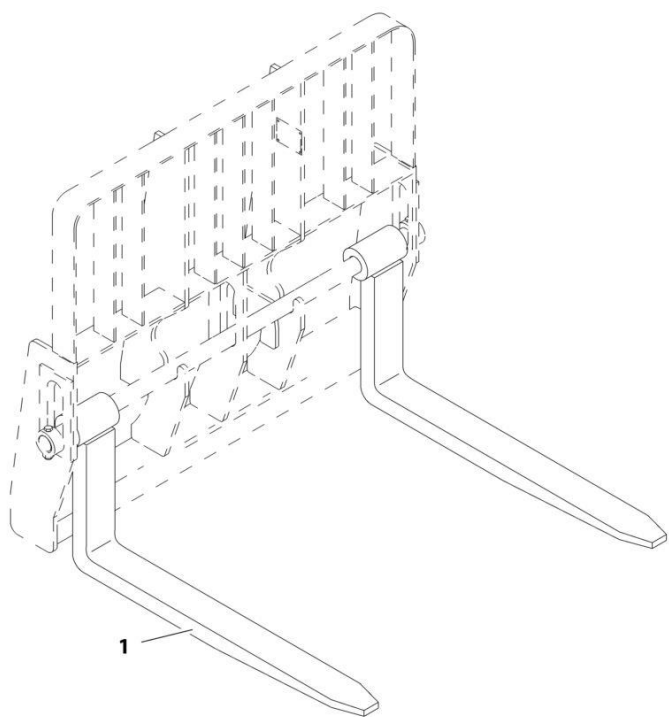
SECTION 3 - ATTACHMENTS

FIGURE 3-35. FORK - LUMBER (2.00X7X60)

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 3-36. FORK - PALLET (2.36X4X48)



ART_2340045

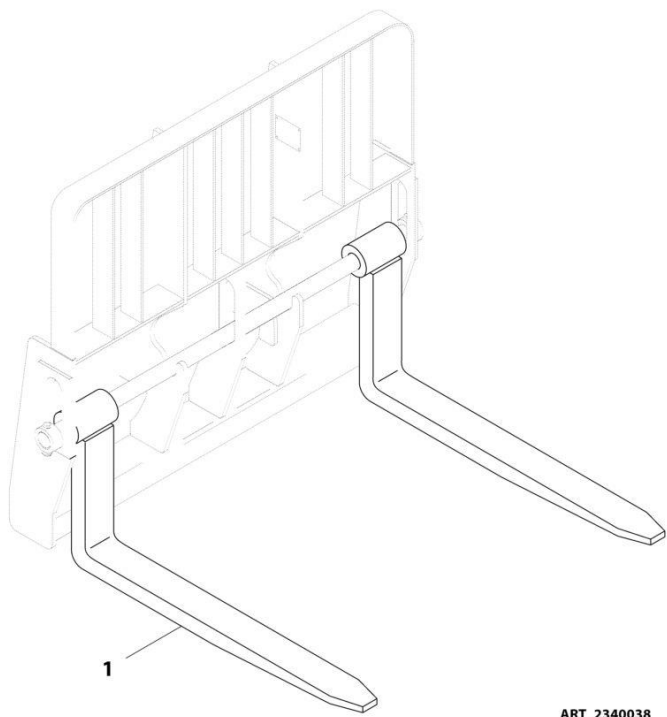
SECTION 3 - ATTACHMENTS

FIGURE 3-36. FORK - PALLET (2.36X4X48)

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 3-37. FORK - PALLET (2.36X5X48)



ART_2340038

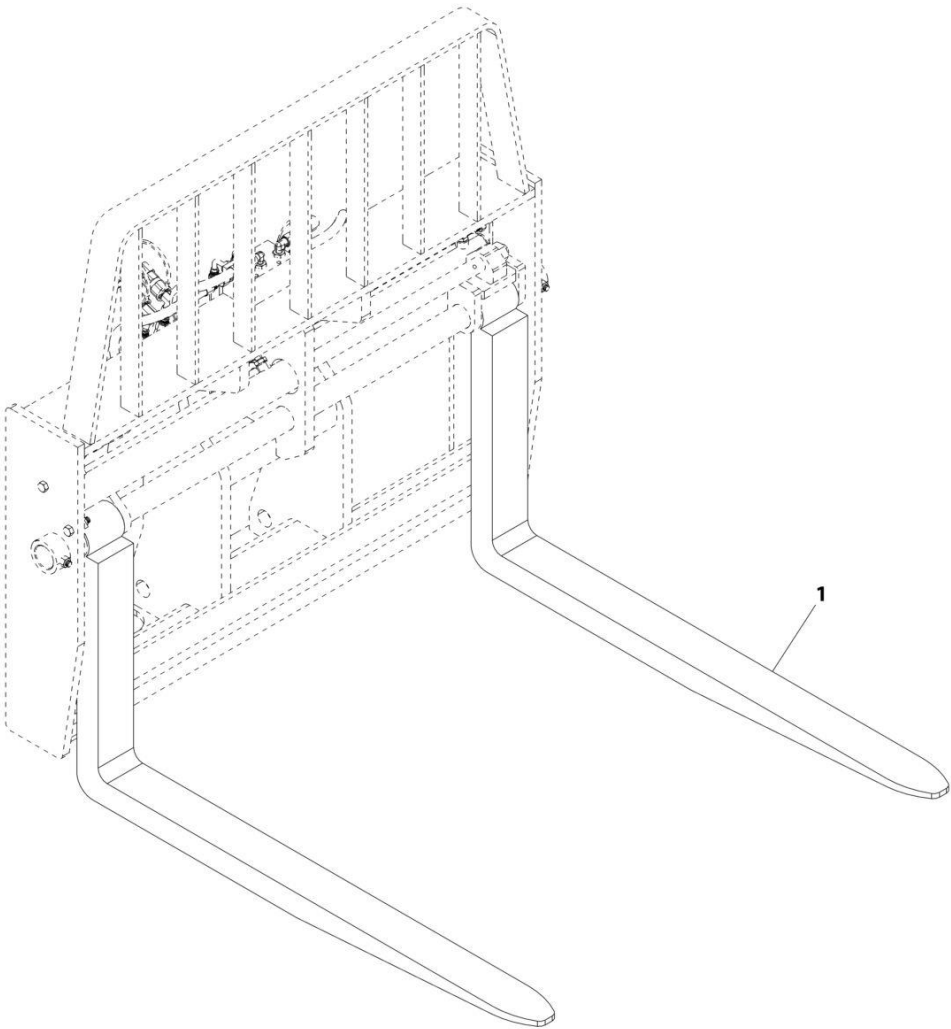
SECTION 3 - ATTACHMENTS

FIGURE 3-37. FORK - PALLET (2.36X5X48)

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 3-38. FORK - PALLET (2.36X4X48)



ART_7301408

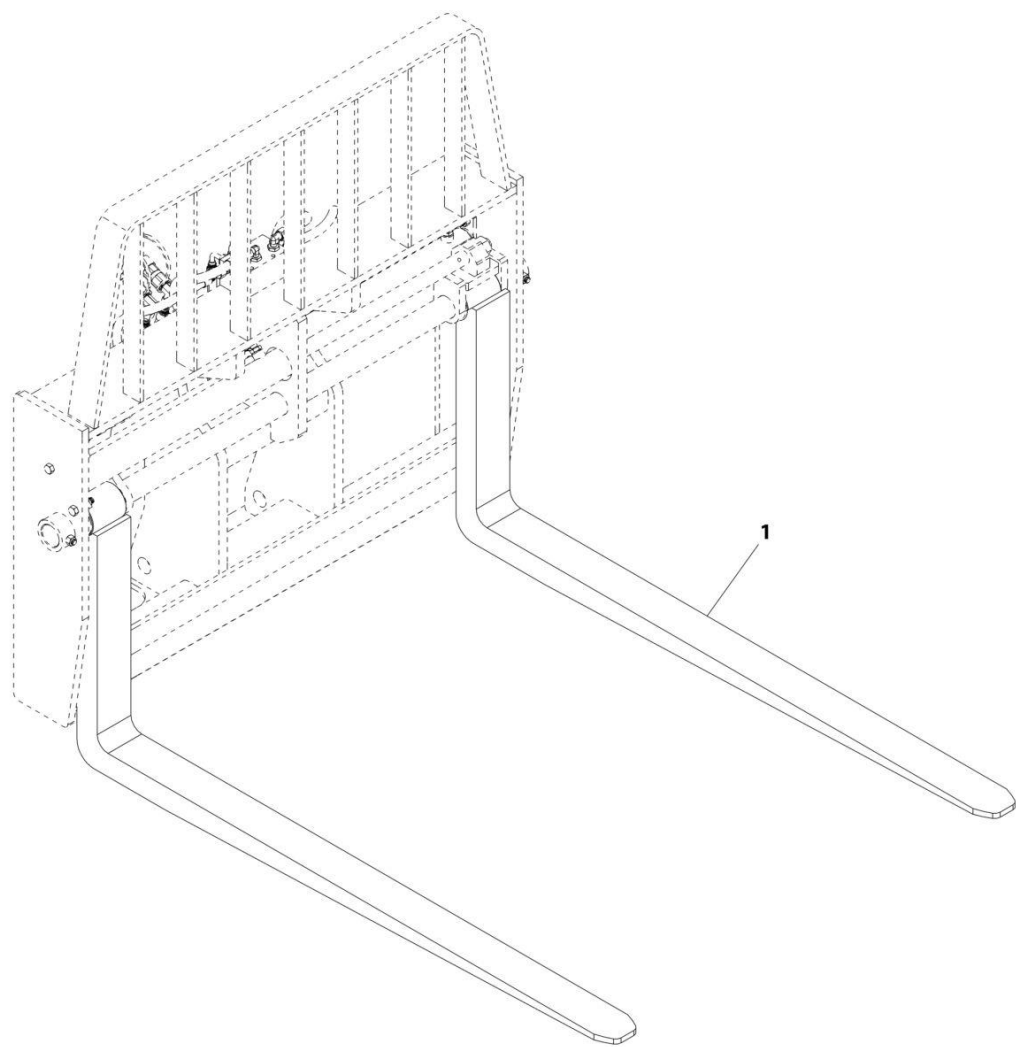
SECTION 3 - ATTACHMENTS

FIGURE 3-38. FORK - PALLET (2.36X4X48)

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 - PALLET (2.36X4X60)



ART_1001227379

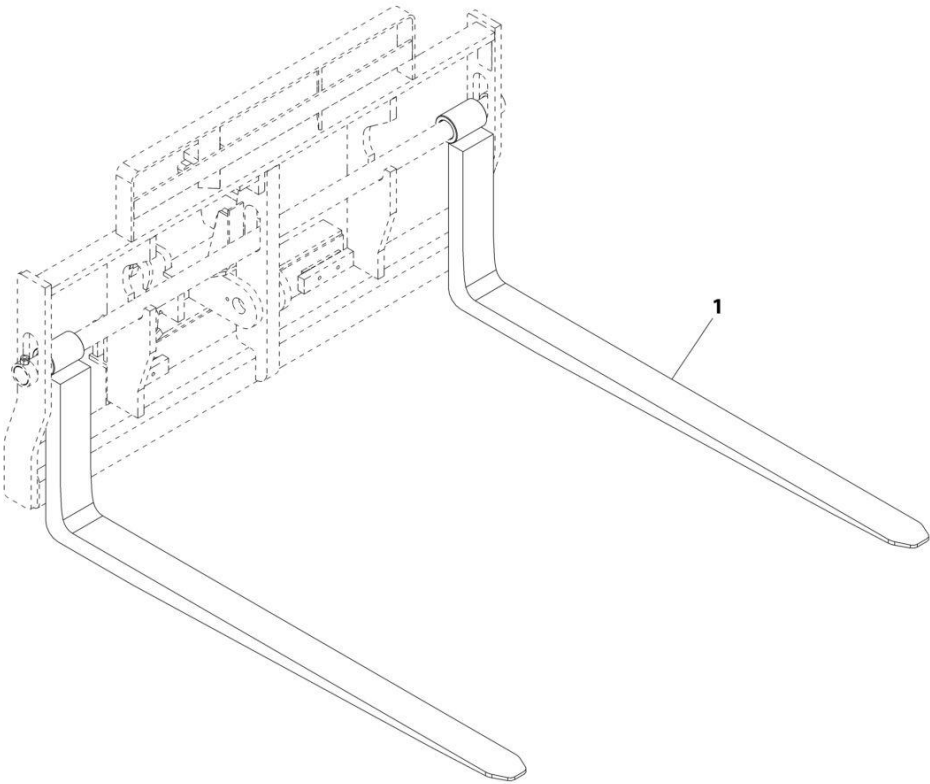
SECTION 3 - ATTACHMENTS

FIGURE 3-39. FORK - PALLET (2.36X4X60)

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 - PALLET (2.36X5X72)



ART_1001232355

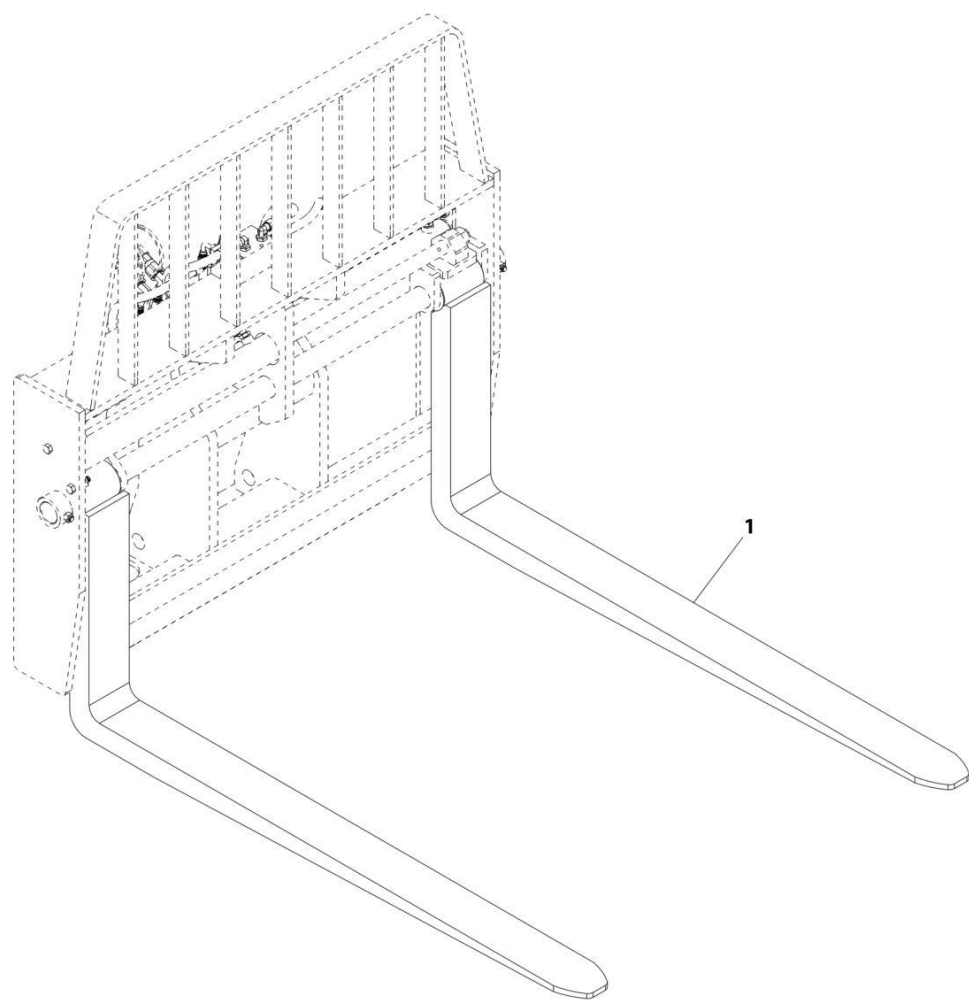
SECTION 3 - ATTACHMENTS

FIGURE 3-40. FORK - PALLET (2.36X5X72)

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 3-41. FORK - PALLET (2.36X5X60)



ART_1001227382

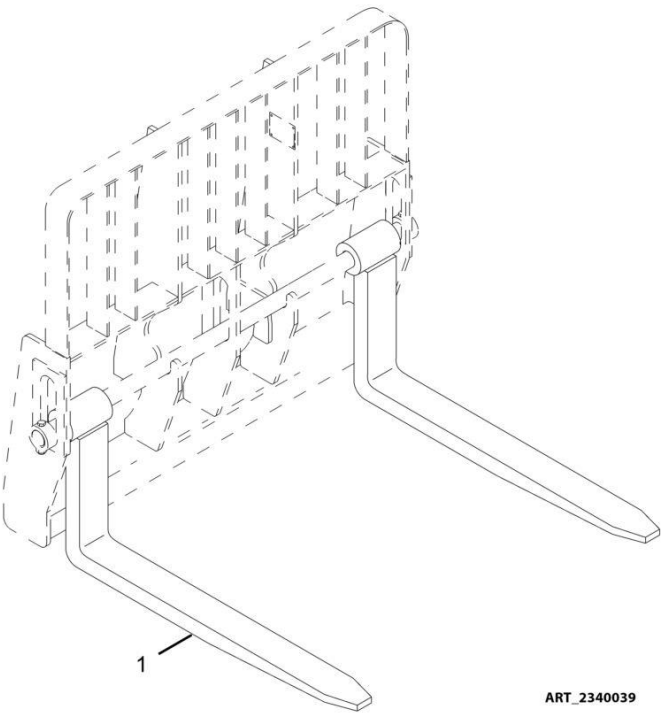
SECTION 3 - ATTACHMENTS

FIGURE 3-41. FORK - PALLET (2.36X5X60)

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 3-42. FORK - PALLET (2.36X6X60)



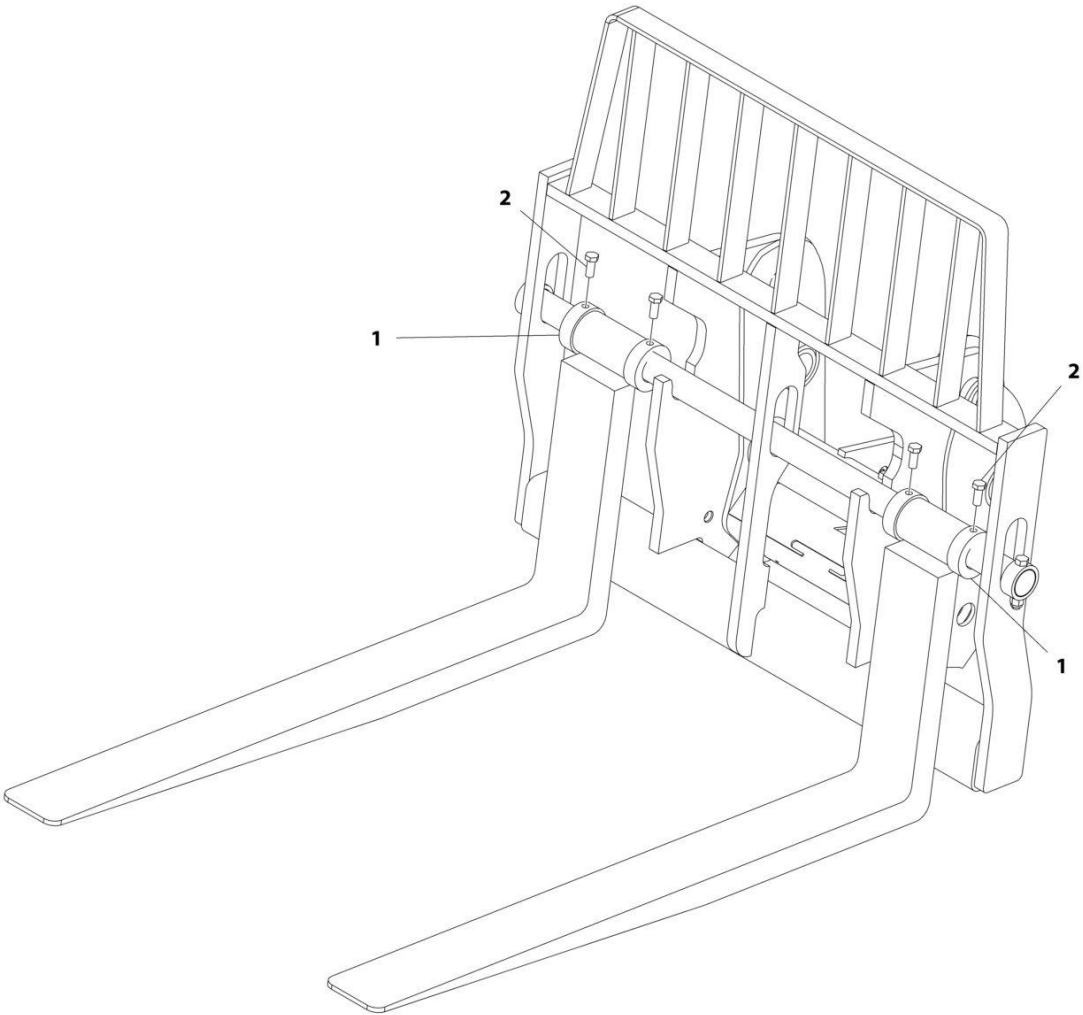
SECTION 3 - ATTACHMENTS

FIGURE 3-42. FORK - PALLET (2.36X6X60)

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 3-43. FORK CLAMPS INSTALLATION



ART_1001094134-A

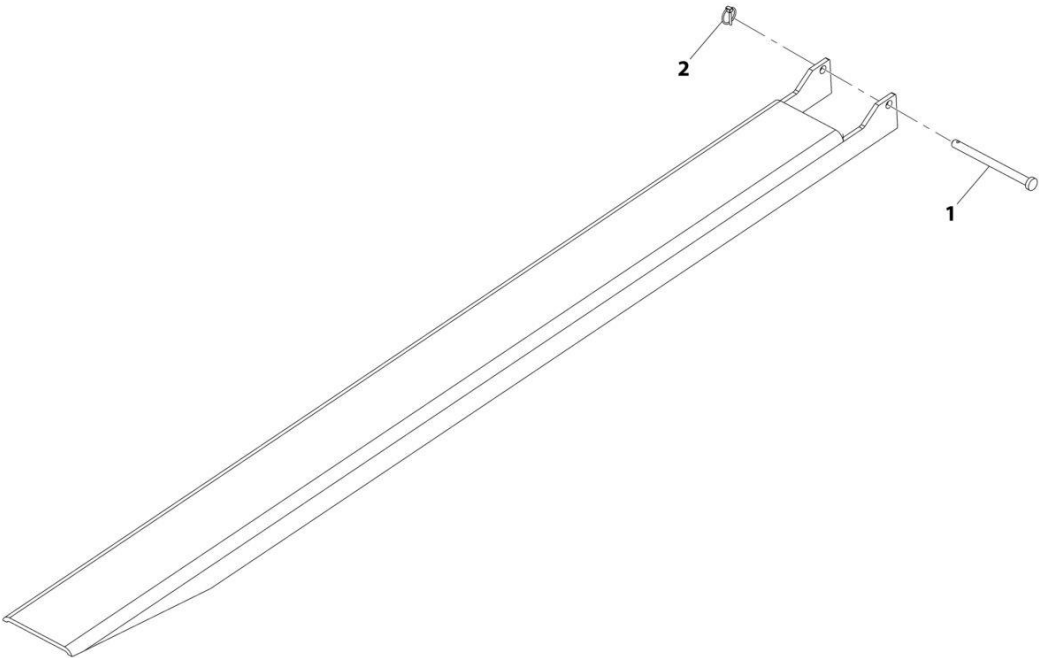
SECTION 3 - ATTACHMENTS

FIGURE 3-43. 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 3-44. FORK EXTENSIONS (62X163X2286)



ART_1001137512-D

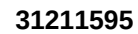
SECTION 3 - ATTACHMENTS

FIGURE 3-44. FORK EXTENSIONS (62X163X2286)

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

190

1075



ART_1001238566-B

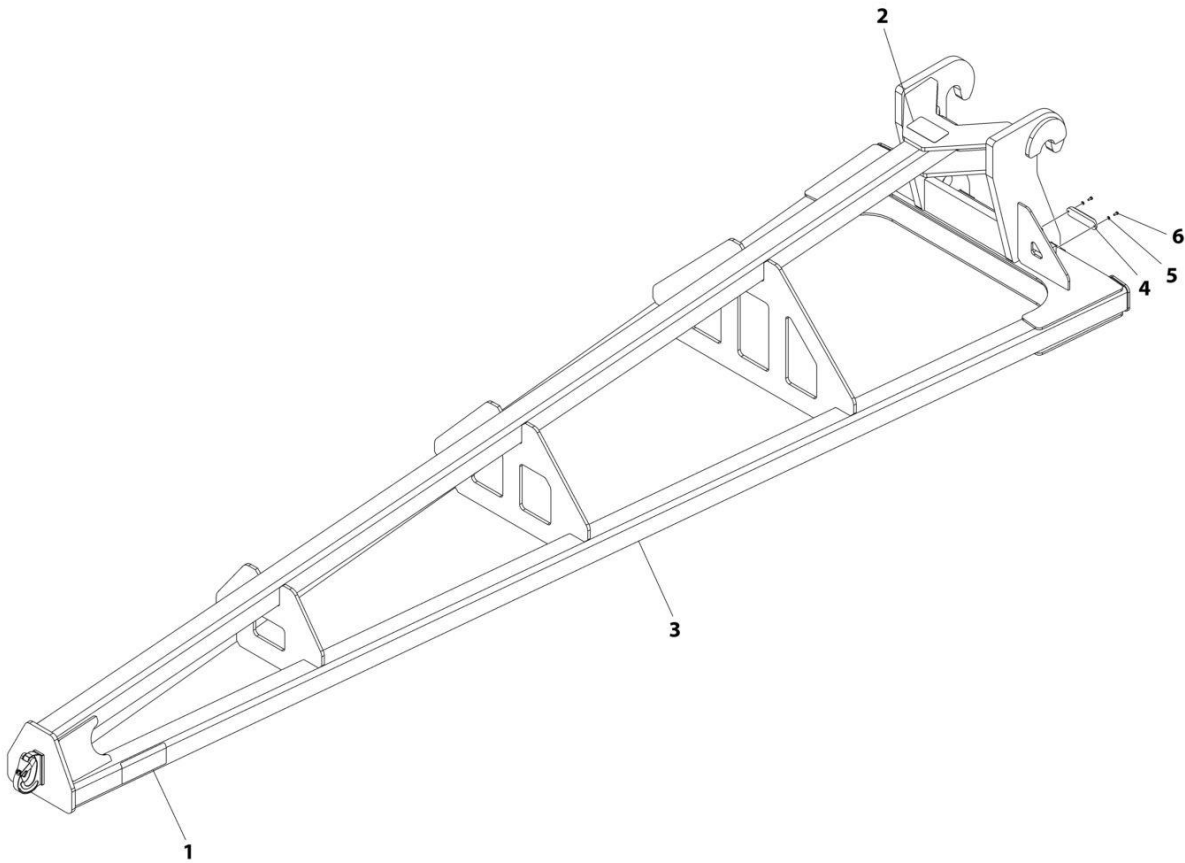
SECTION 3 - ATTACHMENTS

FIGURE 3-45. TRASH HOPPER INSTALLATION

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 3 - ATTACHMENTS

FIGURE 3-46. TRUSS BOOM (0.9 TON - 3.7M)



ART_1001099902_H

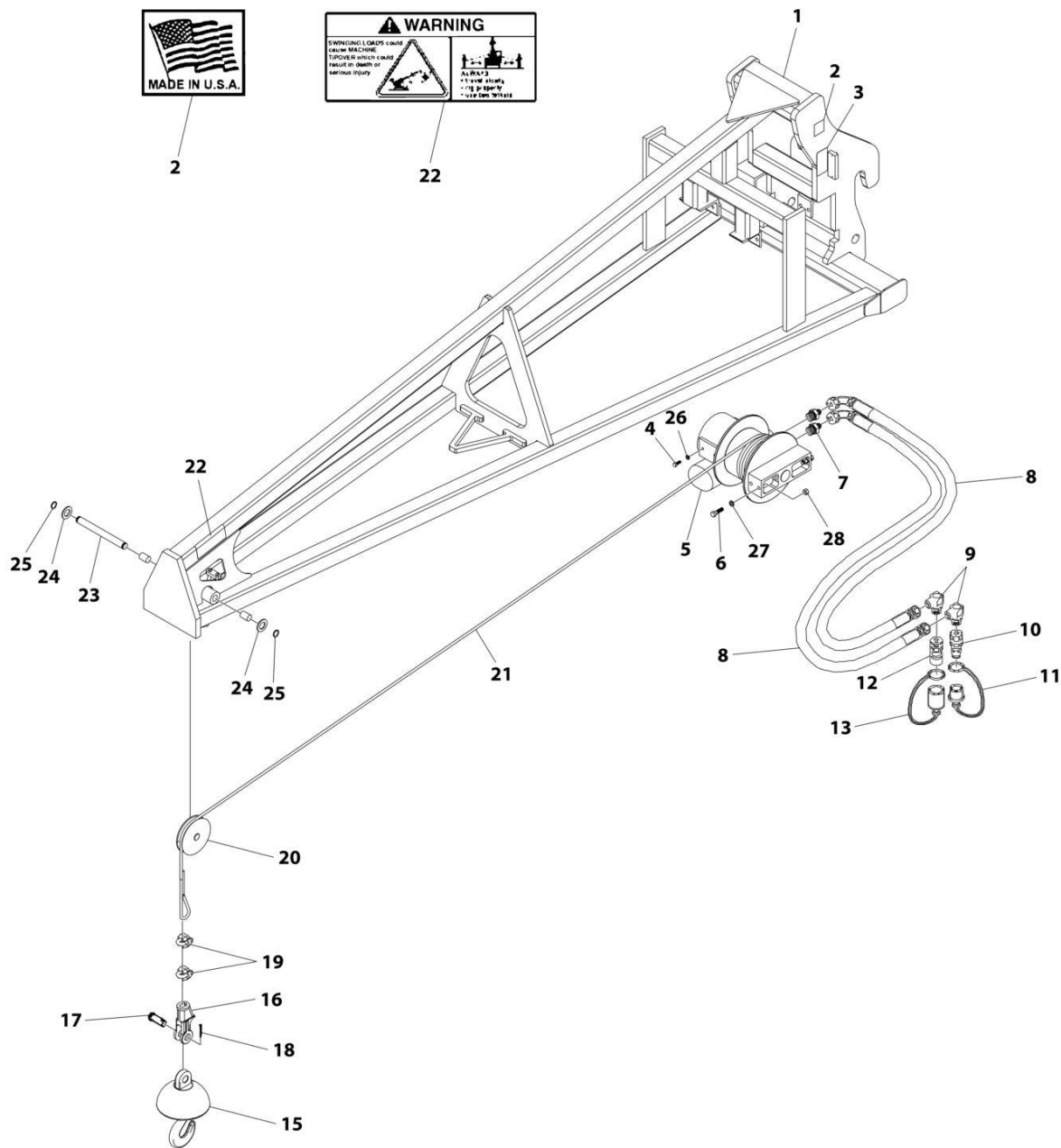
SECTION 3 - ATTACHMENTS

FIGURE 3-46. TRUSS BOOM (0.9 TON - 3.7M)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001099902	Ref	TRUSS BOOM (0.9 TON - 3.7M)	H
1	4110422	2	Decal, Danger Swinging Loads	
2	See Note	NSS	SN Plate (Note: Stamped Part - Not Available for Purchase)	
3	See Note	NSS	Boom, Truss (Note: Purchase Complete Assembly)	
4	1001227670	1	Tag, RFID	
5	4811400	2	Washer M4	
6	0760405	2	Bolt M4 x 10	

SECTION 3 - ATTACHMENTS

FIGURE 3-47. TRUSS BOOM (0.9 TON - 3.7M WITH WINCH)



ART_1001099351

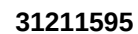
SECTION 3 - ATTACHMENTS

FIGURE 3-47. TRUSS BOOM (0.9 TON - 3.7M WITH WINCH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001099351	Ref	TRUSS BOOM (0.9 TON - 3.7M WITH WINCH)	L
1	See Note	NSS	Frame, Truss Boom (Note: Purchase Complete Assembly)	
2	90554016	1	Decal, Made in USA	
	See Note	NSS	S/N Plate (Note: Stamped Part - Not Available for Purchase)	
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	See Note	NSS	Pin (Note: Use Item 16)	
18	See Note	NSS	Pin, Cotter (Note: Use Item 16)	
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	

196

1075



ART_1001100967_H

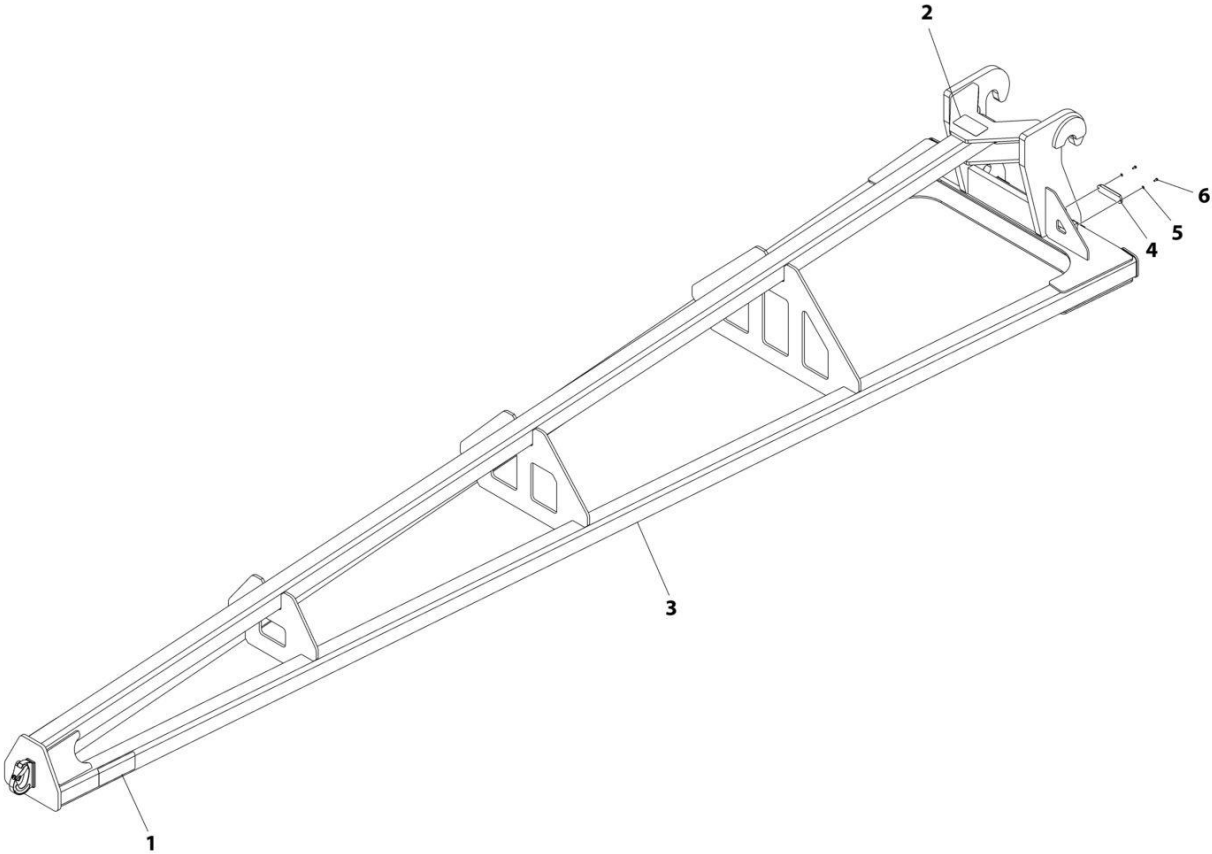
SECTION 3 - ATTACHMENTS

FIGURE 3-48. TRUSS BOOM ASSEMBLY (3 FOOT 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 3-49. TRUSS BOOM (15 FOOT)



ART_1001099901_H

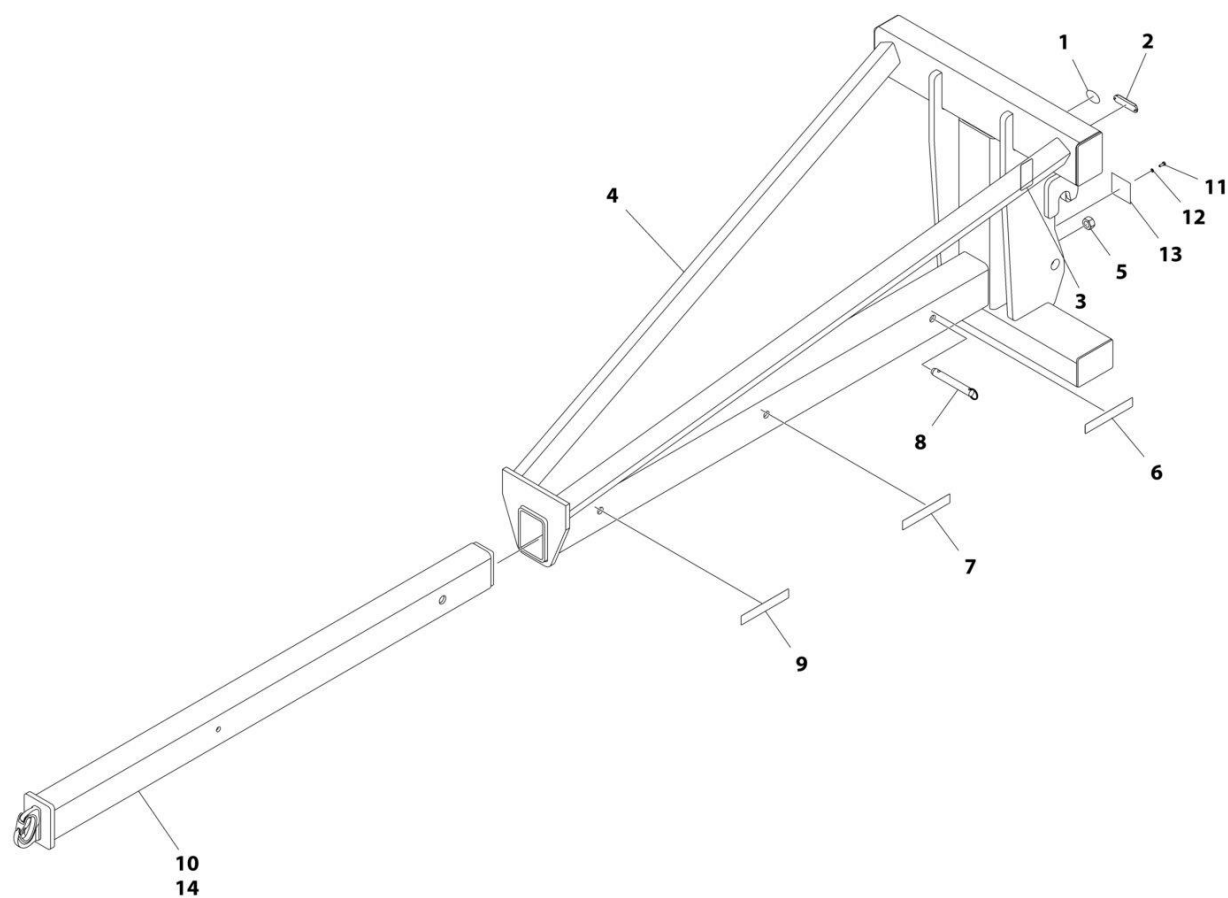
SECTION 3 - ATTACHMENTS

FIGURE 3-49. TRUSS BOOM (15 FOOT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001099901	Ref	TRUSS BOOM (15 FOOT)	H
1	4110422	2	Decal, Danger Swinging Loads	
2	See Note	NSS	SN Plate (Note:Stamped Part - Not Available for Purchase)	
3	See Note	NSS	Boom, Truss (Note: Purchase Complete Assembly)	
4	1001227670	1	Tag, RFID	
5	4811400	2	Washer M4	
6	0760405	2	Bolt M4 x 10	

SECTION 3 - ATTACHMENTS

FIGURE 3-50. TRUSS BOOM - ADJUSTABLE



ART_1001176515_D

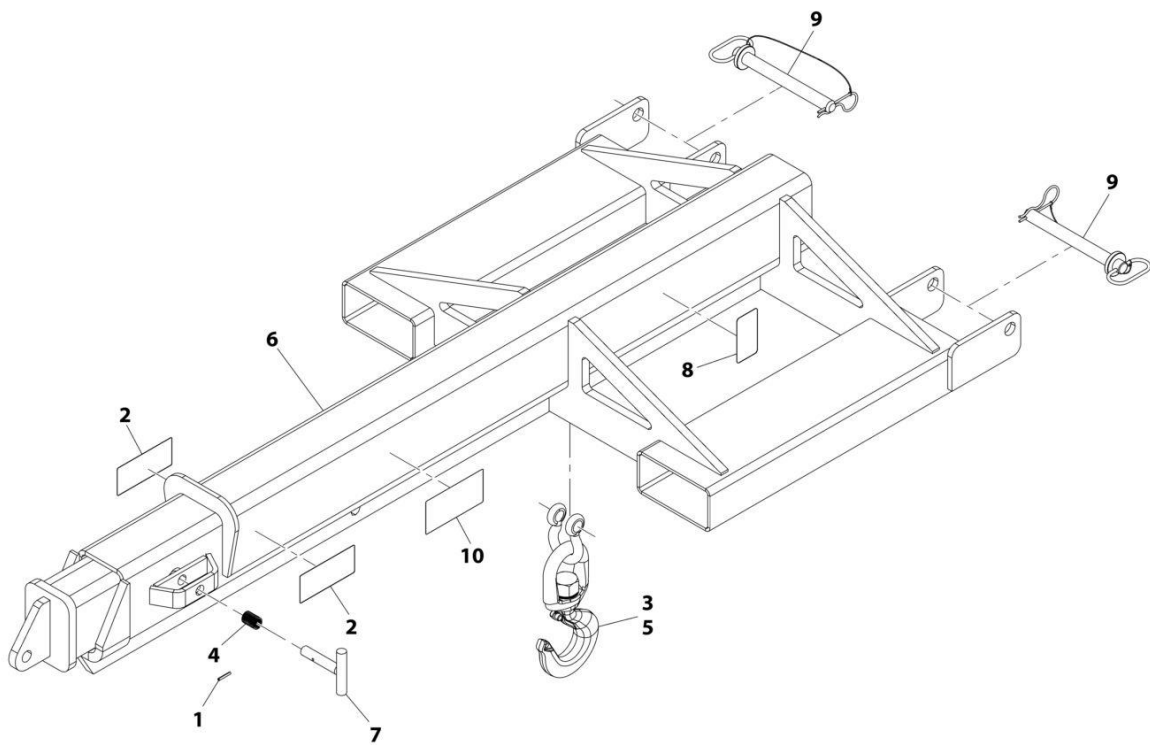
SECTION 3 - ATTACHMENTS

FIGURE 3-50. TRUSS BOOM - ADJUSTABLE

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 3-51. TRUSS BOOM - ADJUSTABLE (FORK MOUNTED)



ART_1001230241-H

SECTION 3 - ATTACHMENTS

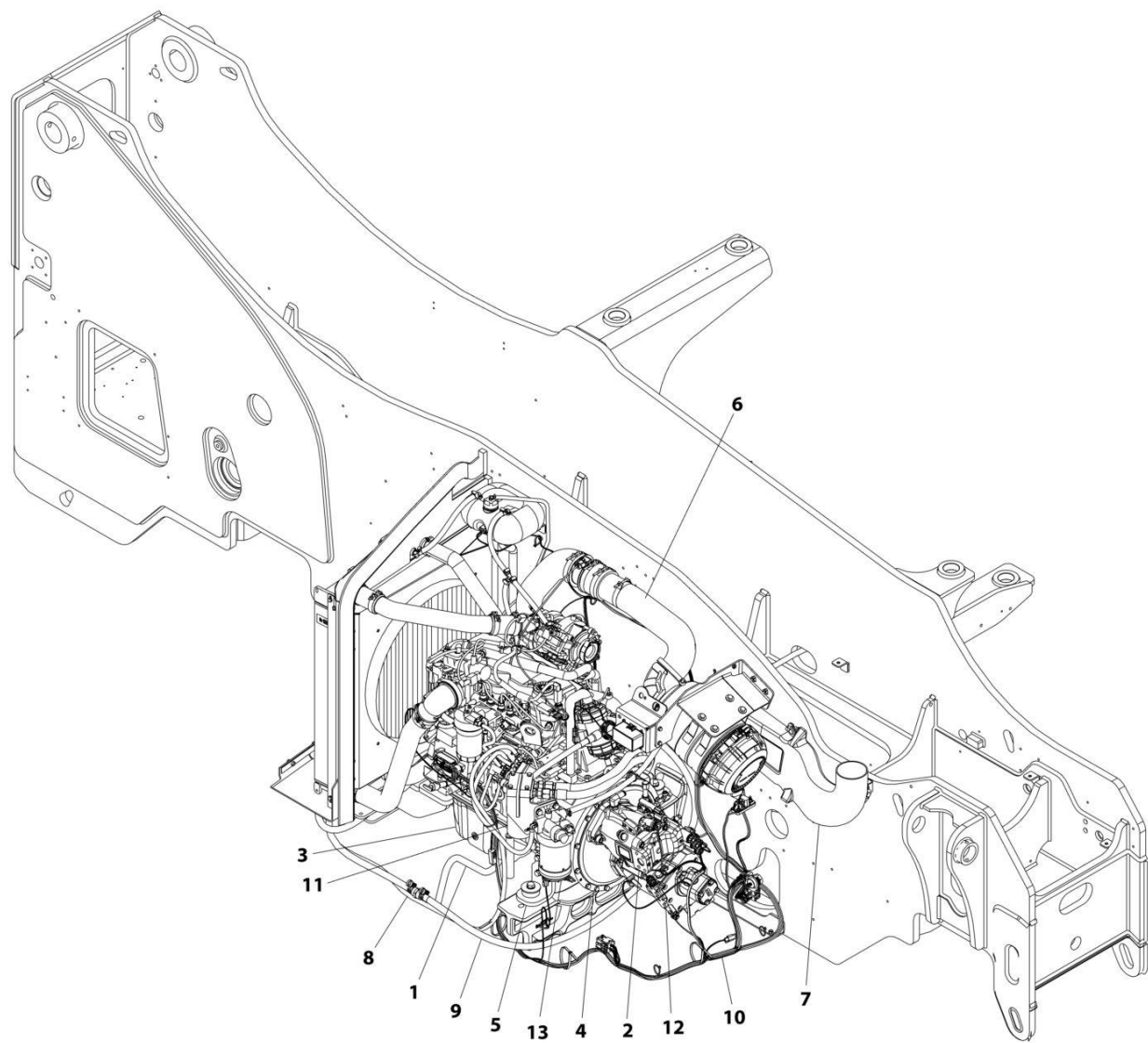
FIGURE 3-51. TRUSS BOOM - ADJUSTABLE (FORK MOUNTED)

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 4 - ENGINE AND ATTACHING PARTS

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-1. ENGINE POD COMPONENT INSTALLATION



ART_1001243890

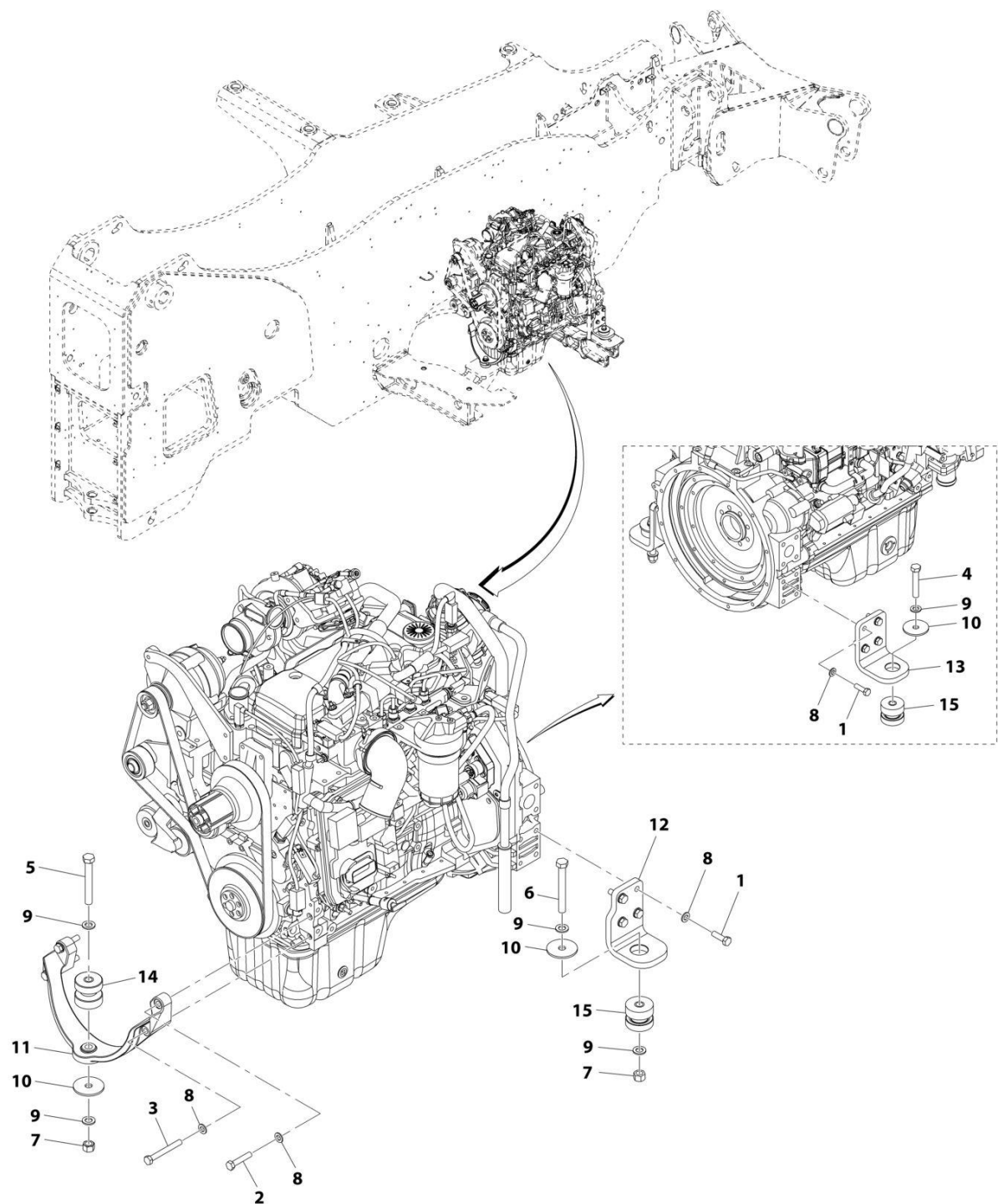
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-1. ENGINE POD COMPONENT INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243890	Ref	Engine Pod Component Installation	B
1	1001173344	1	Installation, Oil Drain Hose (See Separate Breakdown in this Section)	
2	1001206349	1	Installation, Hydraulic Pump (See Separate Breakdown in this Section)	
3	1001236412	1	Engine, Cummins QSB 4.5L (See Separate Breakdown in this Section)	
4	1001243039	1	Installation, Transmission Hydrostatic Adapter (See Separate Breakdown in this Section)	
5	1001244037	1	Installation, Engine Mount (See Separate Breakdown in this Section)	
6	1001244039	1	Installation, Air Cleaner Lines (See Separate Breakdown in this Section)	
7	1001244040	1	Installation, Air Cleaner (See Separate Breakdown in this Section)	
8	1001244041	1	Installation, Fuel Lines (See Separate Breakdown in this Section)	
9	1001244043	1	Installation, DEF Coolant Lines (See Separate Breakdown in this Section)	
10	1001238007	1	Installation, Engine Wiring Cummins 4.5L	
11	1001244046	1	Installation, Remote Oil Filter (See Separate Breakdown in this Section)	
12	1001244049	1	Installation, Hydrostatic Drive Pump (See Separate Breakdown in this Section)	
13	1001244050	1	Installation, Primary Fuel Filter (See Separate Breakdown in this Section)	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-2. ENGINE MOUNT INSTALLATION



ART_1001244037-A

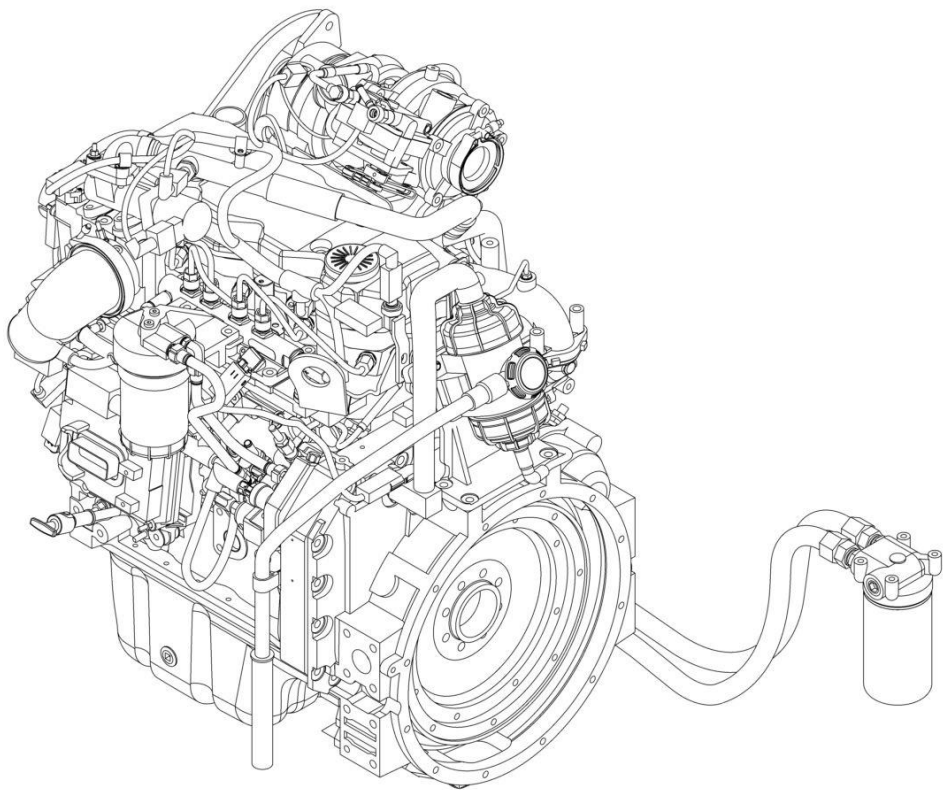
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-2. ENGINE MOUNT INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244037	Ref	Engine Mount Installation	A
1	0701216	8	Bolt, M12X40	
2	0701220	2	Bolt, M12X60	
3	0701227	2	Bolt, M12X100	
4	0711626	1	Bolt, M16X90	
5	0711629	1	Bolt, M16X120	
6	0711630	1	Bolt, M16X130	
7	3331615	1	Nut, M16	
8	4812100	2	Washer, M12	
9	4812300	12	Washer, M16	
10	7300435	5	Washer	
11	1001160116	3	Bracket, Engine	
12	1001238820	1	Plate, Engine Mount	
13	1001238821	1	Plate, Engine Mount	
14	1001188757	1	Mount, Isolator Engine	
15	1001197072	2	Mount, Isolator Engine	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-3. CUMMINS ENGINE, QSB 4.5L



ART_1001236412

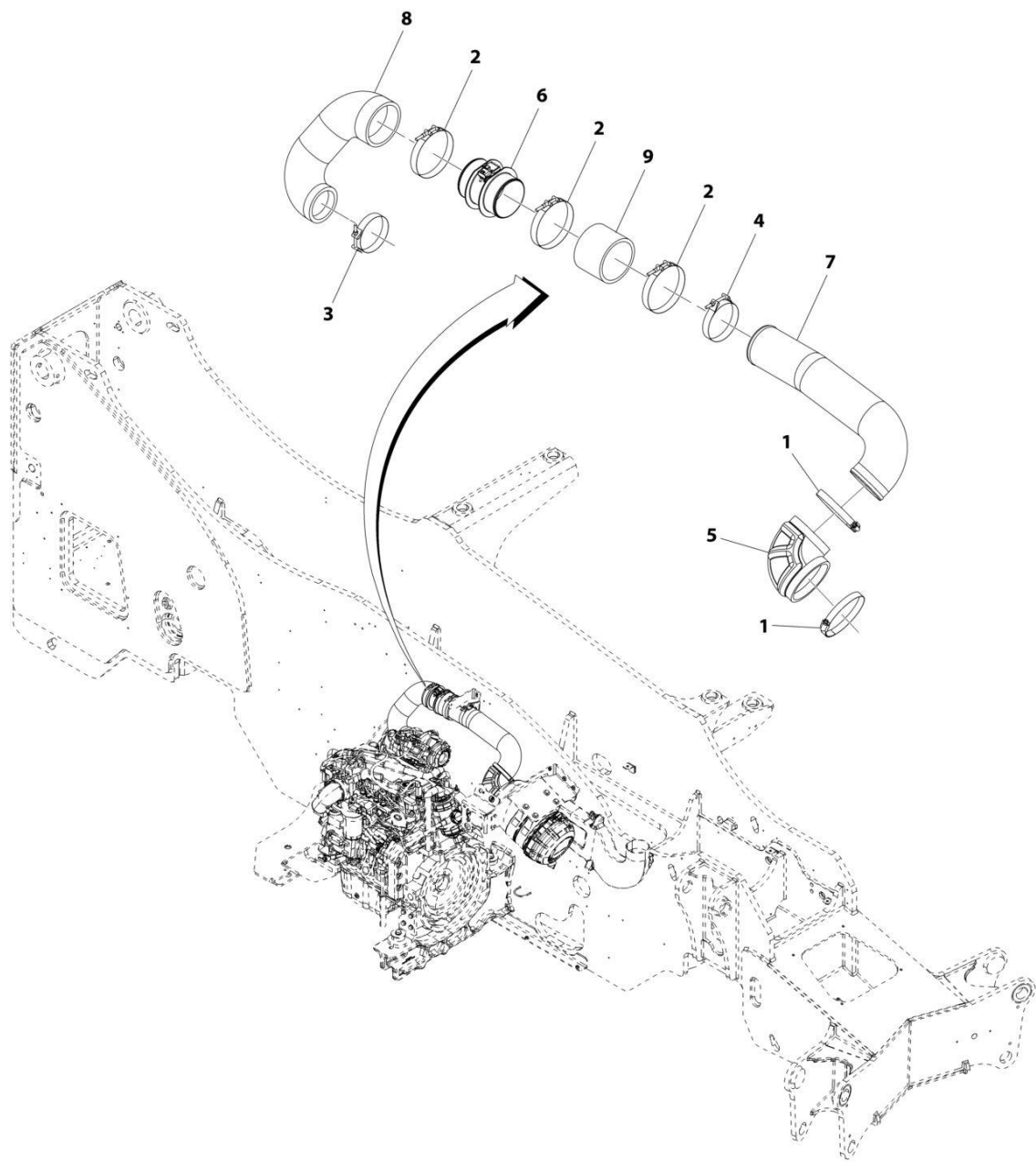
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-3. CUMMINS ENGINE, QSB 4.5L

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236412	Ref	Cummins Engine, QSB 4.5L	D
	70026248	1	Filter After Treatment Kit	
	N.S.S.	1	Filter Screen	
	N.S.S.	1	Filter Support	
	N.S.S.	1	Filter Service Tool	
	70026247	1	Cap, Filter After treatment	
	70026244	1	Connector, Male (Inlet)	
	70026245	1	Connector, Male (Outlet)	
		Ref	Crankcase Breather	
		Ref	Breather Tube and Seal	
	70024284	1	Vent Filter, Crankcase	
	70025351	1	Pressure Sensor	
		Ref	Idler Pulley Kit	
		Ref	Support, Idler Pulley	
	70023443	1	Block Heater Starting Aid, (includes o-ring)	
	1001195923	1	Block Heater Cordset	
		Ref	Fuel Drain Hose Coupling	
	7029128	1	Sealing Washer	
		Ref	Alternator	
		Ref	Pulley, Alternator	
		Ref	Support, Alternator	
		Ref	Brace, Alternator	
	1322073	1	Pulley, Fan	
	7028938	1	Fan Support Kit	
	70029919	1	Fan Spacer	
	70028450	1	Fuel Filter Assembly	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-4. AIR CLEANER LINES INSTALLATION



ART_1001244039-A

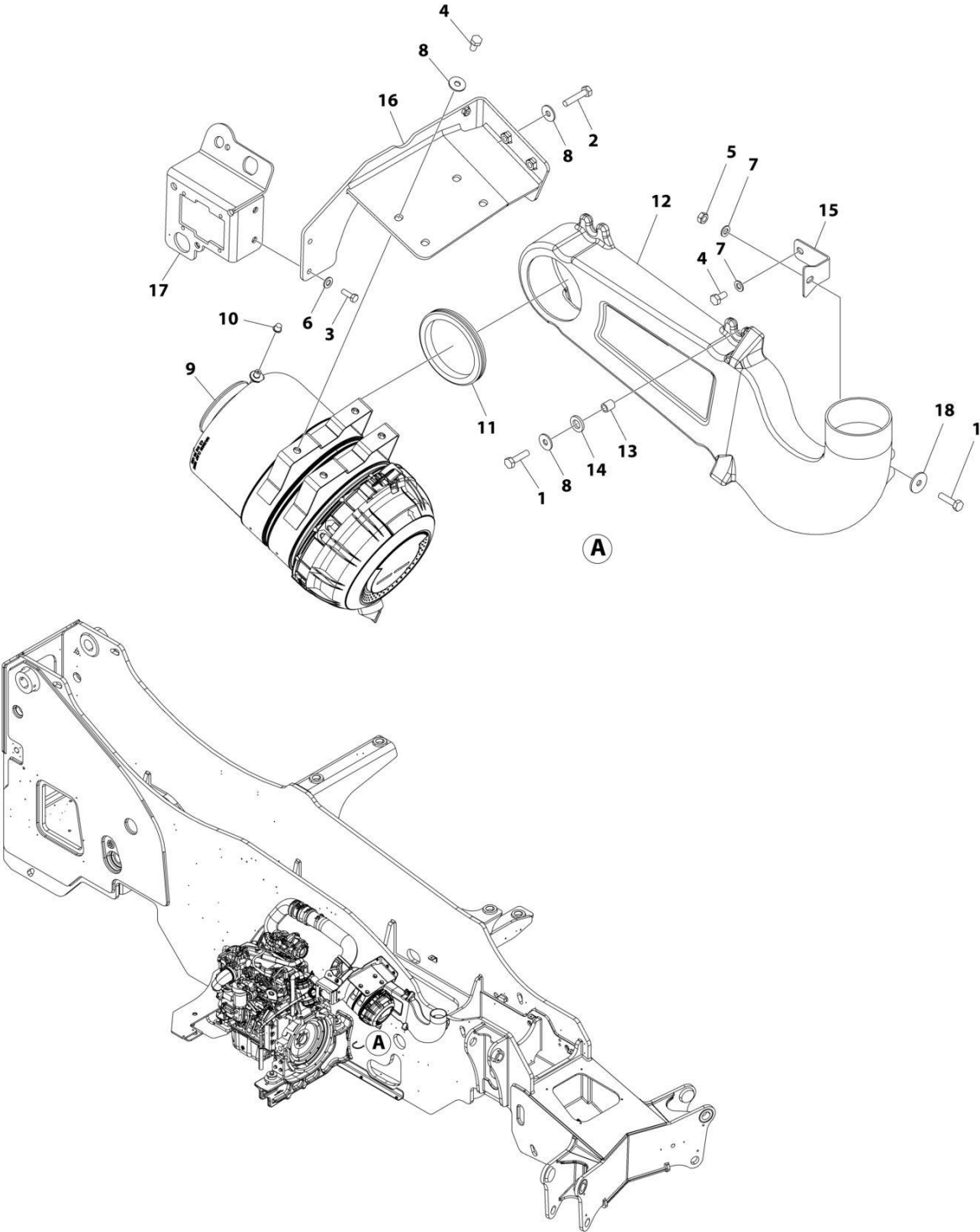
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-4. AIR CLEANER LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244039	Ref	Air Cleaner Lines Installation	A
1	8405402	2	Clamp	
2	80933367	3	Clamp	
3	90028631	1	Clamp	
4	91413025	1	Clamp	
5	1001166451	1	Elbow	
6	1001168771	1	Tube	
7	1001241370	1	Tube	
8	1001243775	1	Hose	
9	1001247094	1	Hose	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-5. AIR CLEANER INSTALLATION



ART_1001244040

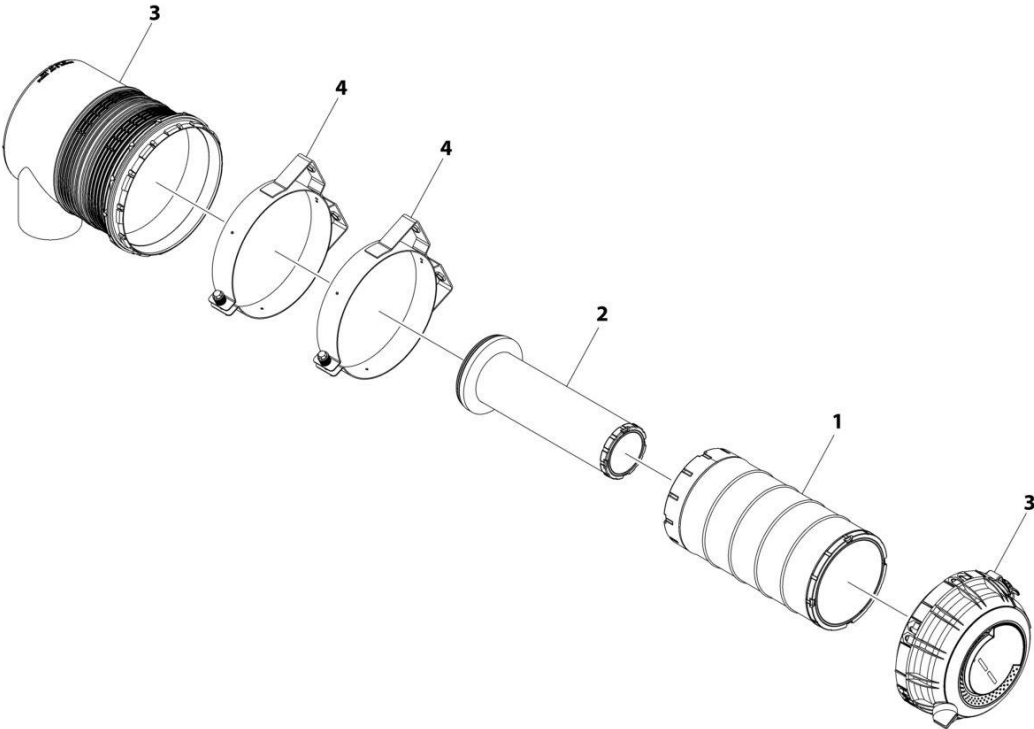
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-5. AIR CLEANER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244040	Ref	AIR CLEANER INSTALLATION	C
1	0701016	5	Bolt M10 x 40	
2	0701018	3	Bolt M10 x 50	
3	0760812	2	Bolt M8 x 25	
4	0761010	5	Bolt M10 x 20	
5	3291001	1	Nut M10 x 1.5	
6	4811900	2	Washer M8	
7	4812000	2	Washer M10	
8	4812002	11	Washer M10	
9	1001166565	1	Filter, Air Cleaner (See Separate Breakdown in this Section)	
10	1001183177	1	Cap	
11	1001183831	1	Grommet	
12	1001216813	1	Duct	
13	1001231389	4	Sleeve, Spacer	
14	1001231390	4	Washer	
15	1001244442	1	Bracket	
16	1001245277	1	Bracket	
17	1001245283	1	Plate	
18	1001155540	1	Washer	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-6. AIR CLEANER FILTER ASSEMBLY (90/100KW)



ART_1001166565

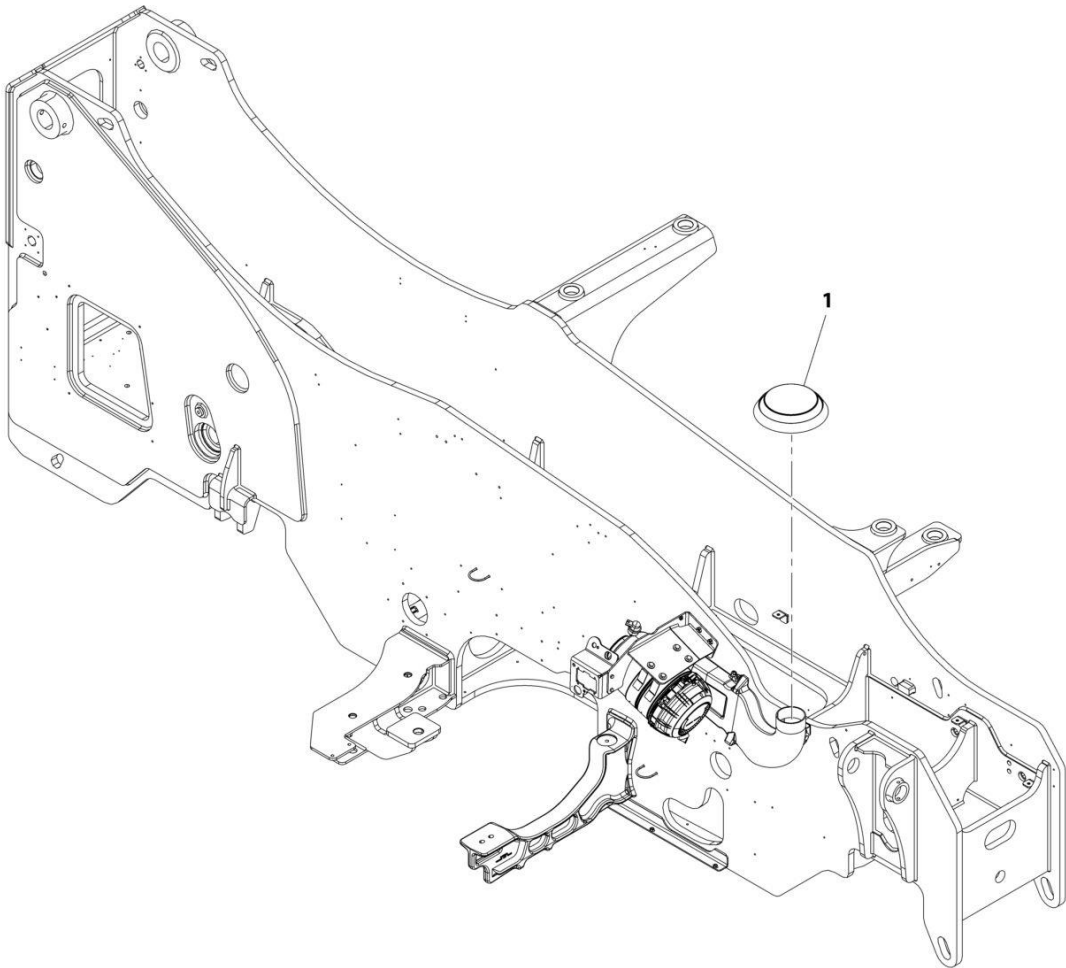
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-6. AIR CLEANER FILTER ASSEMBLY (90/100KW)

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 4-7. AIR FILTER, RAIN CAP INSTALLATION



ART_1001258194-A

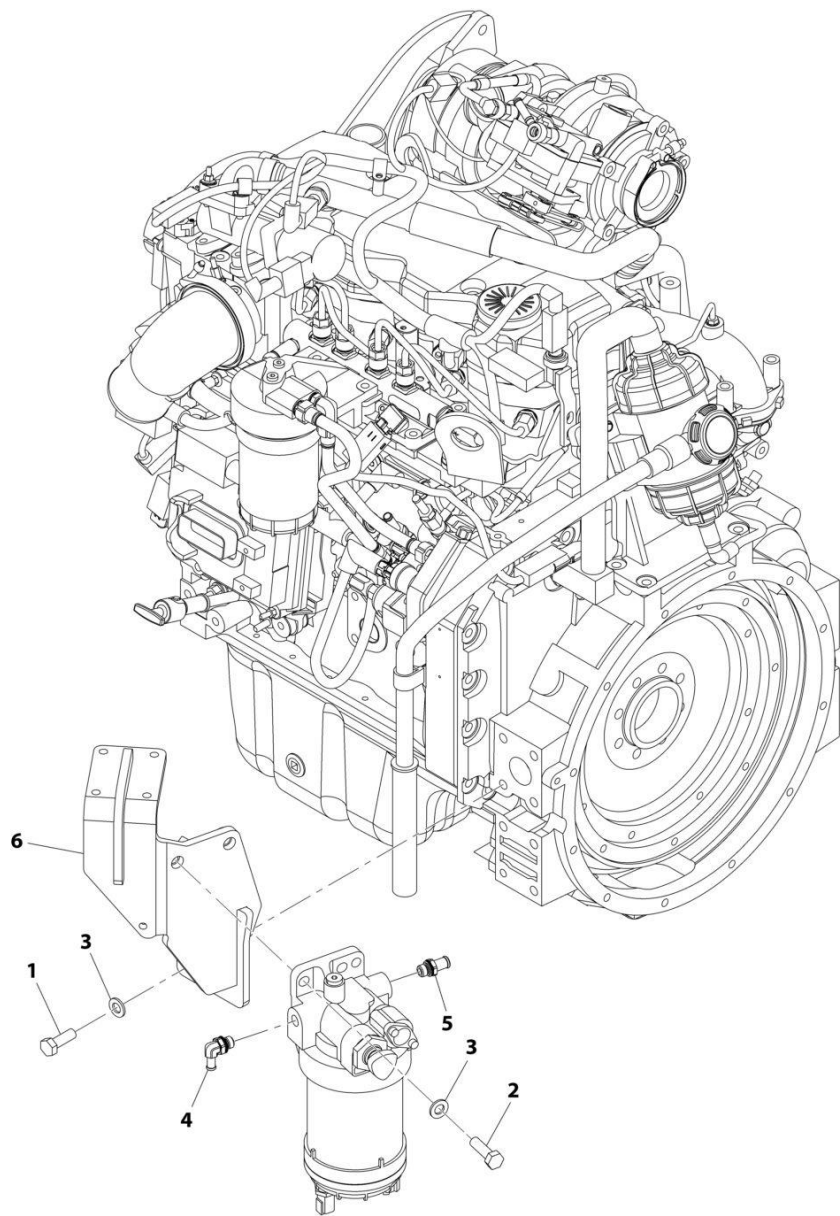
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-7. AIR FILTER, RAIN CAP INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001258194	Ref	Air Filter, Rain Cap Installation	A
	90200849	1	Air Stack Cap	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-8. PRIMARY FUEL FILTER INSTALLATION



ART_1001244050-A

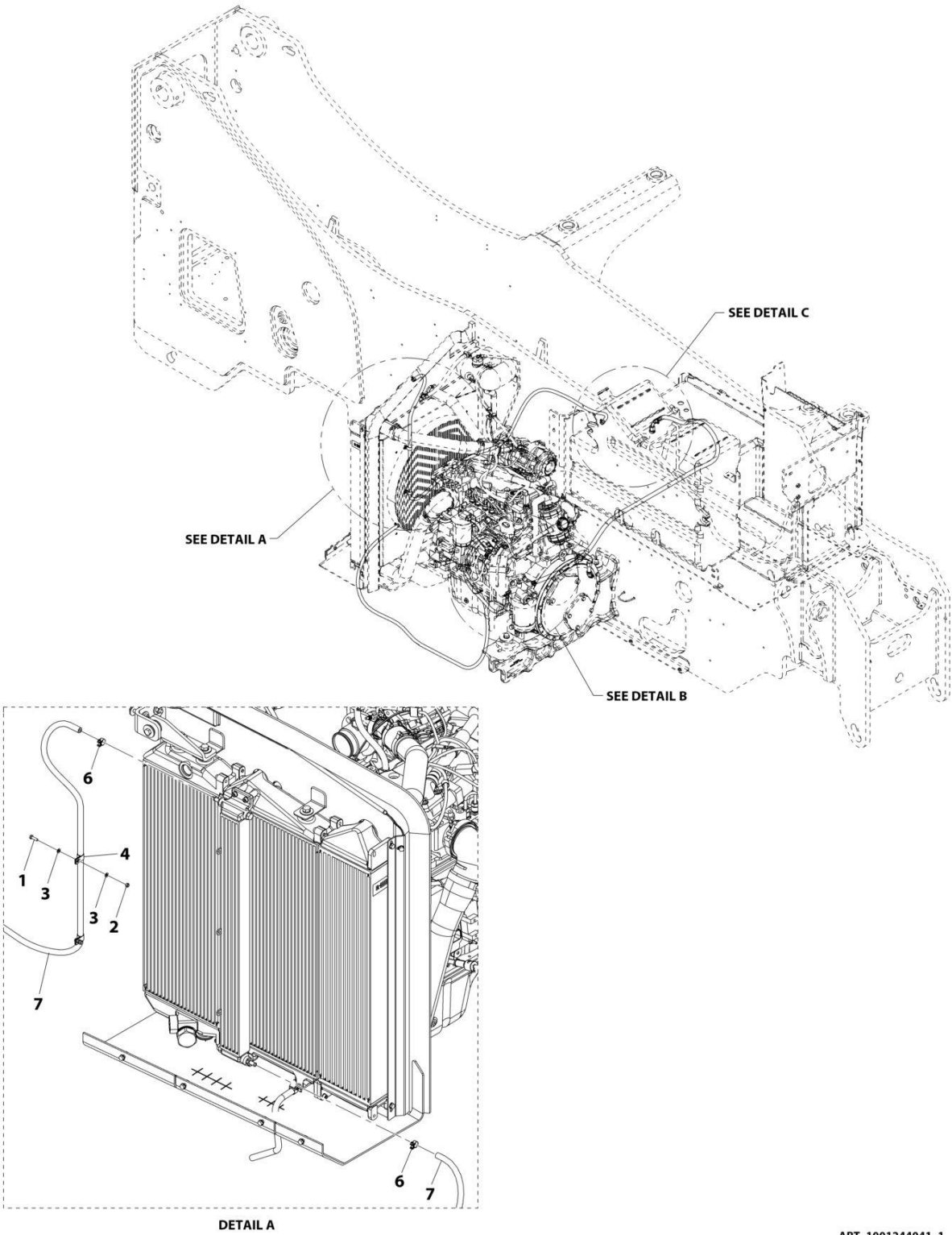
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-8. PRIMARY FUEL FILTER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244050	Ref	Primary Fuel Filter Installation	A
1	0701215	4	Bolt, M12X35	
2	0701216	2	Bolt, M12X40	
3	4812100	6	Washer, M12	
4	1001182094	1	Hose, Barb	
5	1001217467	1	Adapter	
6	1001242340	1	Bracket	

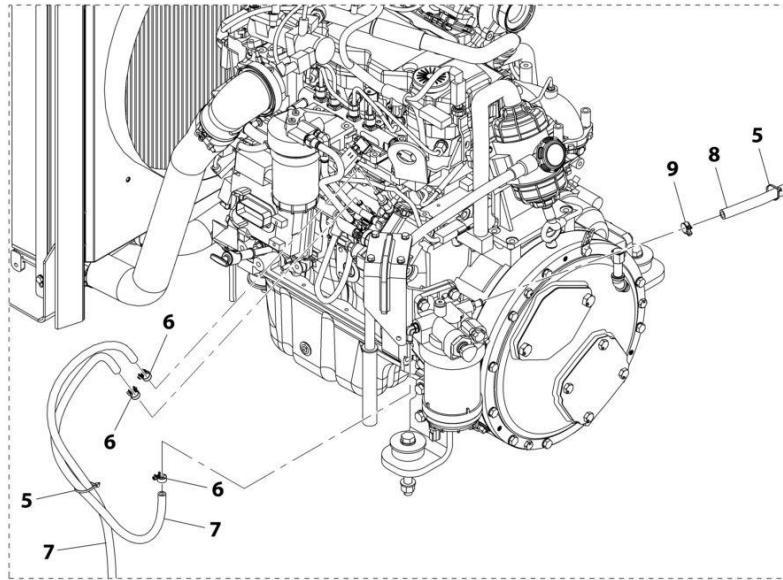
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-9. FUEL LINES INSTALLATION

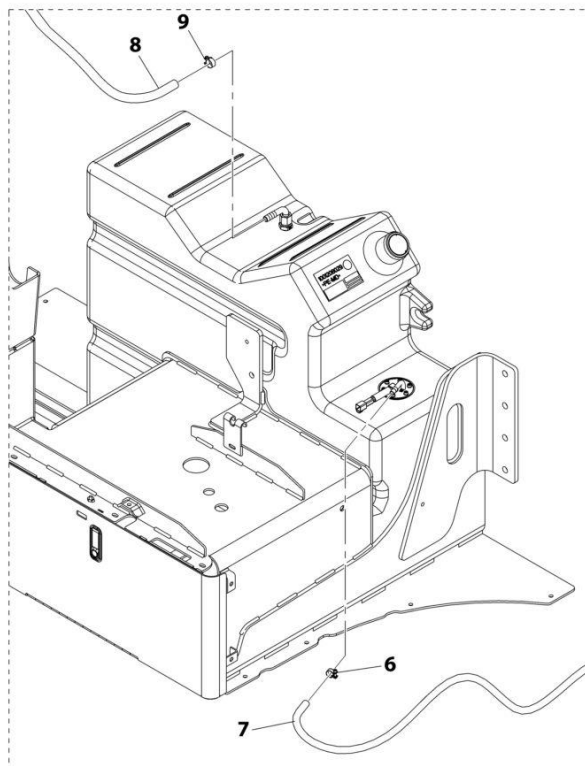


ART_1001244041_1

SECTION 4 - ENGINE AND ATTACHING PARTS



DETAIL B



DETAIL C

ART_1001244041_2

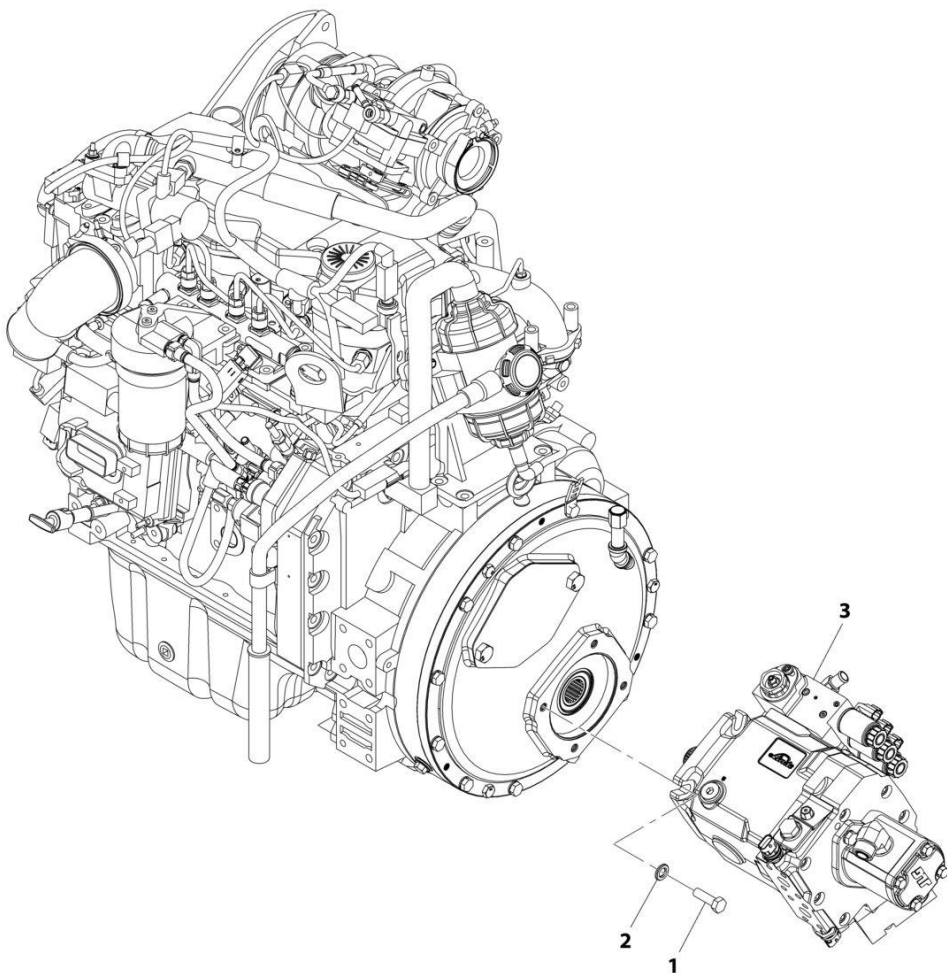
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-9. FUEL LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244041	Ref	Fuel Lines Installation	C
1	0700610	2	Bolt, M6X20	
2	3290601	2	Nut, M6X1	
3	4811700	4	Washer, M6	
4	8406112	2	Clip, Tube	
5	1001008559	2	Strap	
6	1001136975	6	Clamp	
7	1001141400	5.7 m	Hose	
8	1001172755	2 m	Hose	
9	1001186342	2	Clip, Hose	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-10. HYDROSTATIC DRIVE PUMP INSTALLATION



ART_1001244049-B

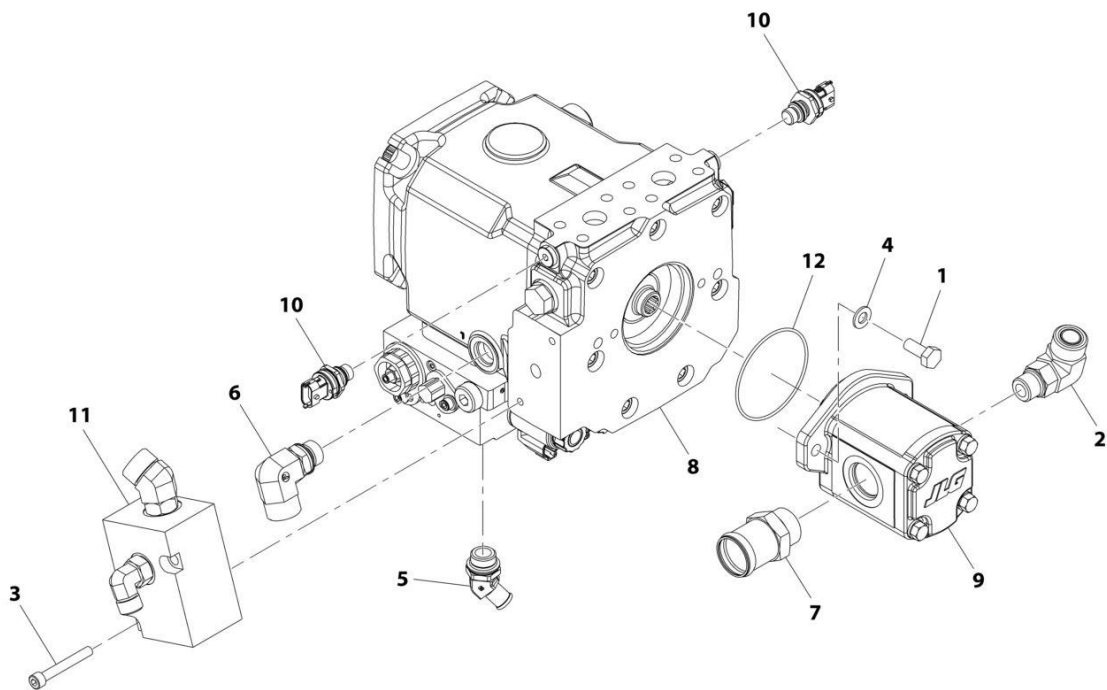
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-10. HYDROSTATIC DRIVE PUMP INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244049	Ref	Hydrostatic Drive Pump Installation	B
1	0711216	4	Bolt, M12X40	
2	4740532	4	Washer, M12	
3	1001243013	1	Assembly, Hydrostatic Pump (See Separate Breakdown in this Section)	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-11. HYDROSTATIC PUMP ASSEMBLY



ART_1001243013-D

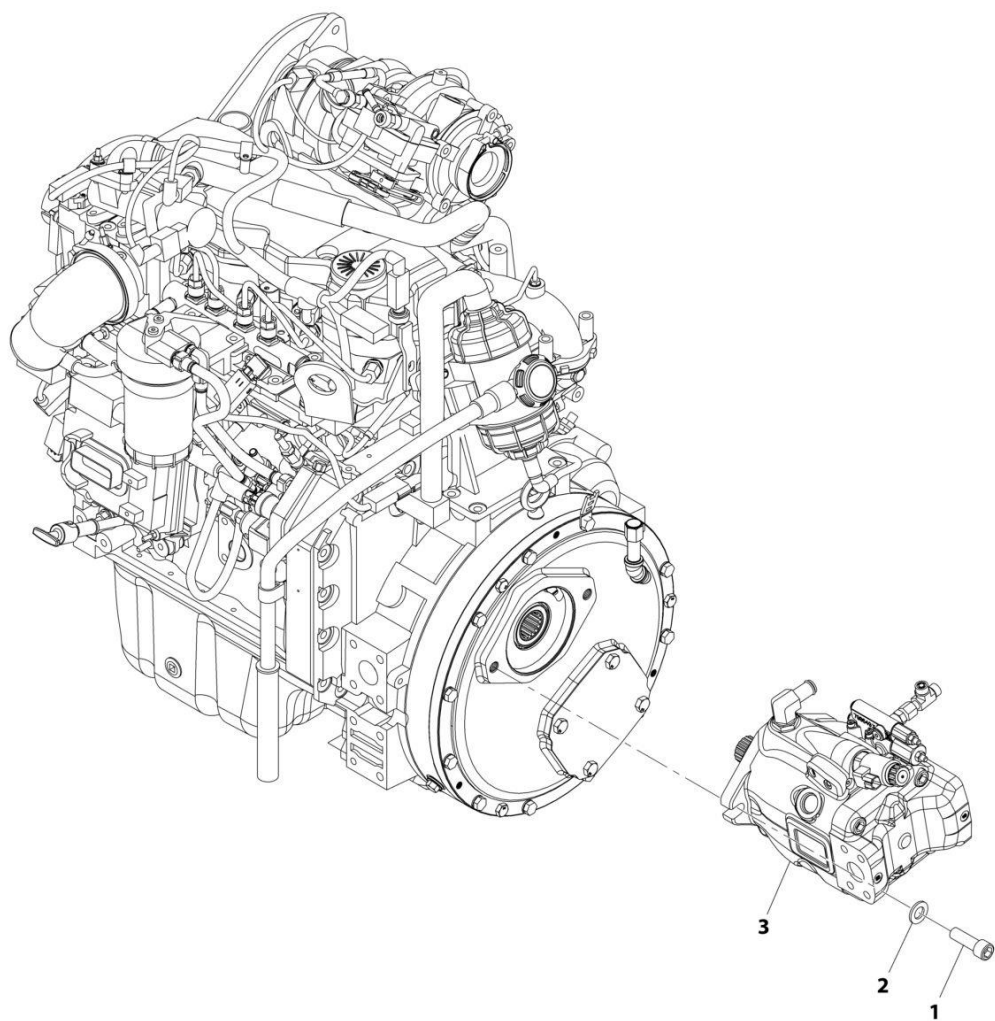
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-11. HYDROSTATIC PUMP ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243013	Ref	Hydrostatic Pump Assembly	D
1	0761012	2	Bolt, M10X25	
2	2131210	1	Fitting, 90 ORFS	
3	4031916	2	Bolt, M8X60	
4	4812000	2	Washer, M10	
5	1001203005	1	Fitting, 45	
6	8770247	1	Fitting, 90 ORFS	
7	1001217930	1	Fitting, Straight ORB	
8	1001242635	1	Pump, Drive (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
9	1001243724	1	Pump, Charge (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
10	1001243960	2	Sensor, Pressure Transducer	
11	1001244407	1	Valve, Charge Flow Control Assembly (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
12	3790152	1	Ring	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-12. HYDRAULIC PUMP INSTALLATION



ART_1001206349-B

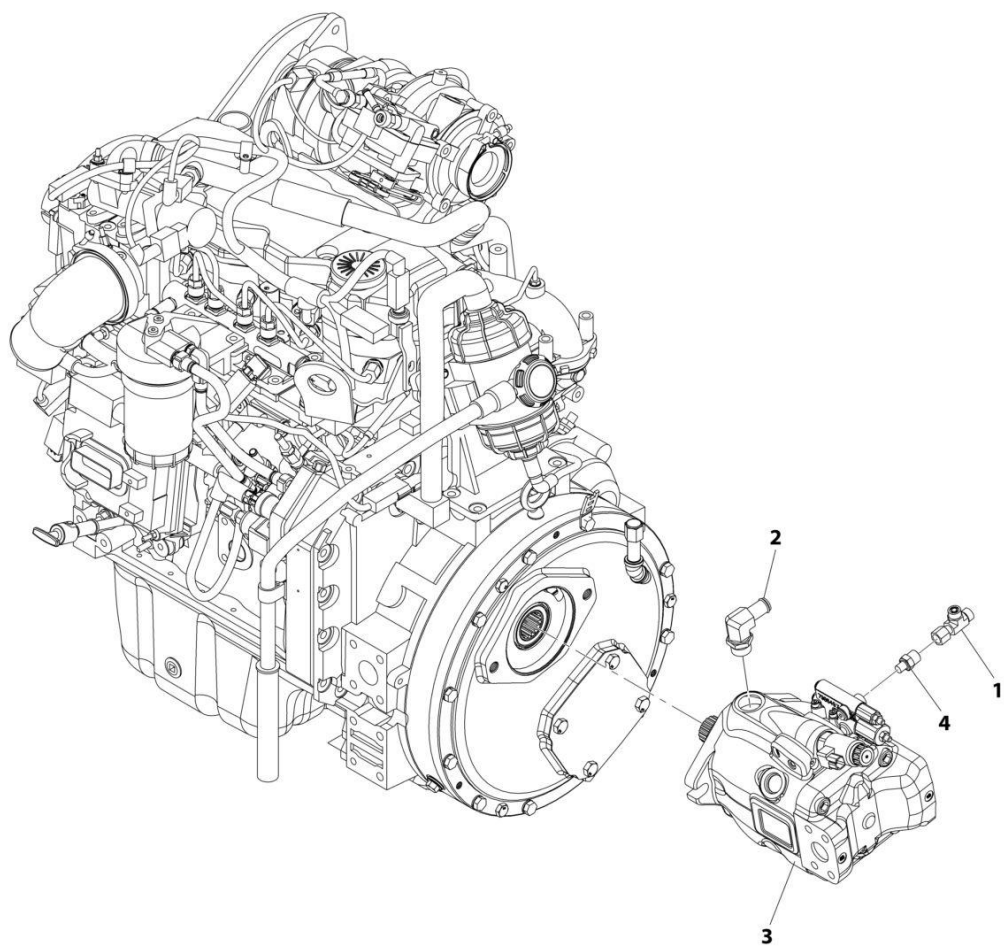
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-12. HYDRAULIC PUMP INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001206349	Ref	Hydraulic Pump Installation	B
1	4032314	2	Bolt, M16X50	
2	5241600	2	Washer, M16	
3	1001245394	1	Assembly, Implement Pump (See Separate Breakdown in this Section)	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-13. IMPLEMENT PUMP ASSEMBLY



ART_1001245394-B

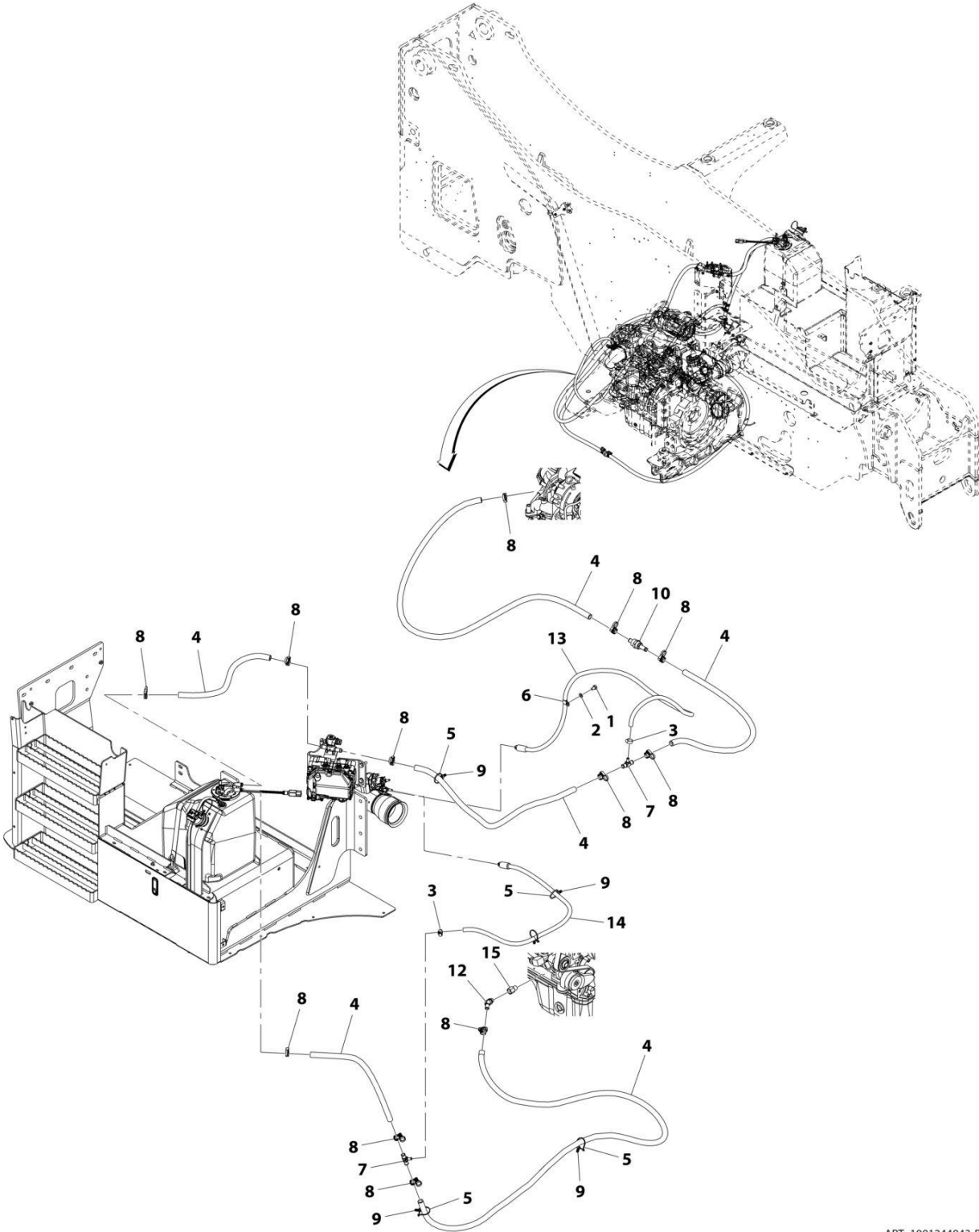
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-13. IMPLEMENT PUMP ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245394	Ref	Implement Pump Assembly	B
1	2170706	1	Fitting, Tee ORFS	
2	1001188880	1	Fitting	
3	1001203793	1	Pump (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
4	2110604	1	Fitting, Straight ORFS	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-14. DEF COOLANT LINES INSTALLATION



ART_1001244043-B

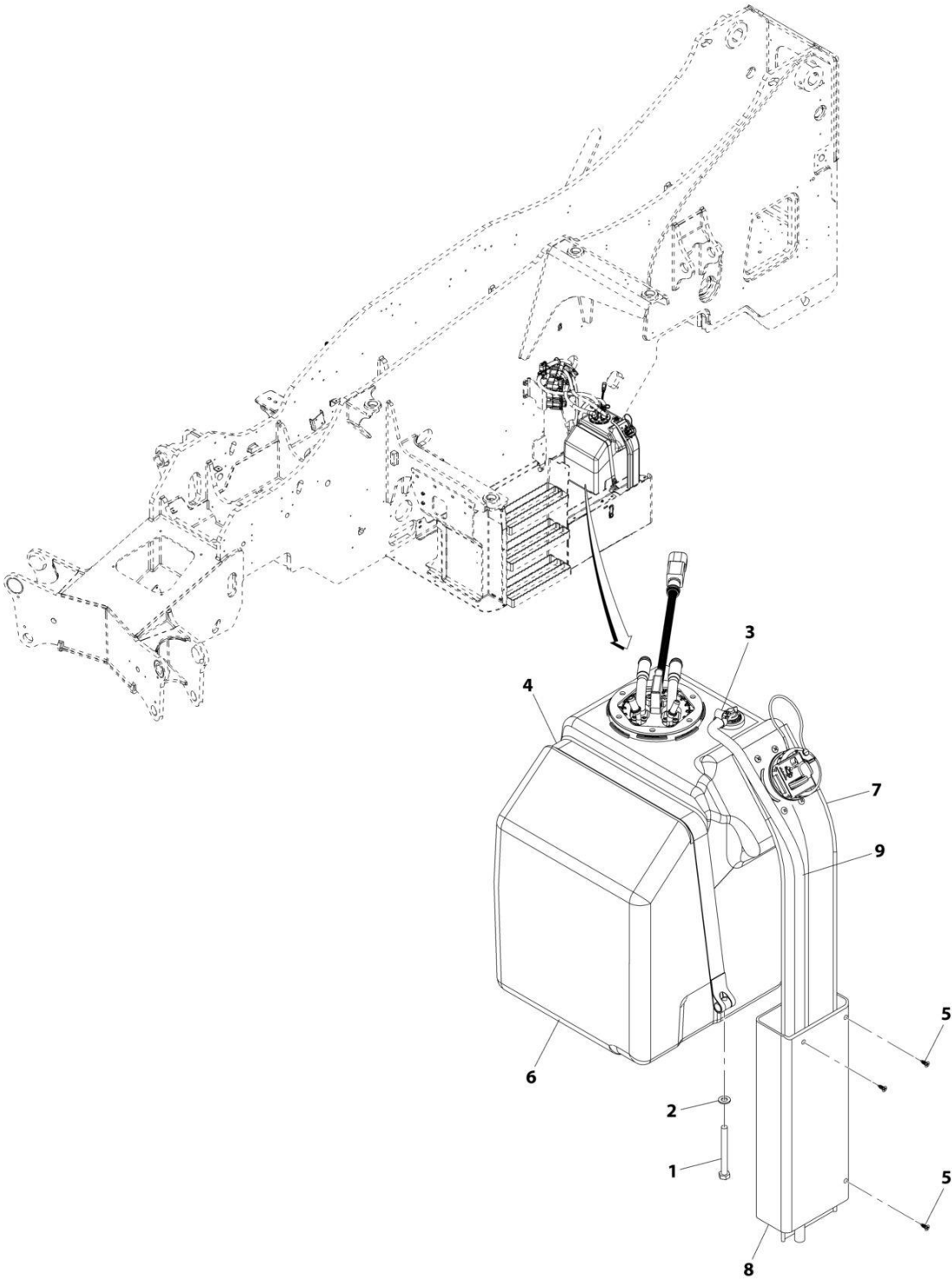
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-14. DEF COOLANT LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244043	Ref	DEF Coolant Lines Installation	B
1	0761008	1	Bolt, M10X16	
2	4812000	1	Washer, M10	
3	8410013	2	Gear Clamp	
4	82033995	9 m	Hose	
5	1001008559	5	Strap	
6	8406101	1	Clip	
7	1001162212	2	Fitting, Tee	
8	1001202526	12	Clamp	
9	1001202986	5	Strap, Fir Tree Push Mount	
10	1001228872	1	Filter	
12	1001238153	1	Fitting, Straight	
13	1001243728	1	Hose	
14	1001243729	1	Hose	
15	1001245075	1	Adapter	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-15. DEF TANK INSTALLATION



ART_1001239070-B

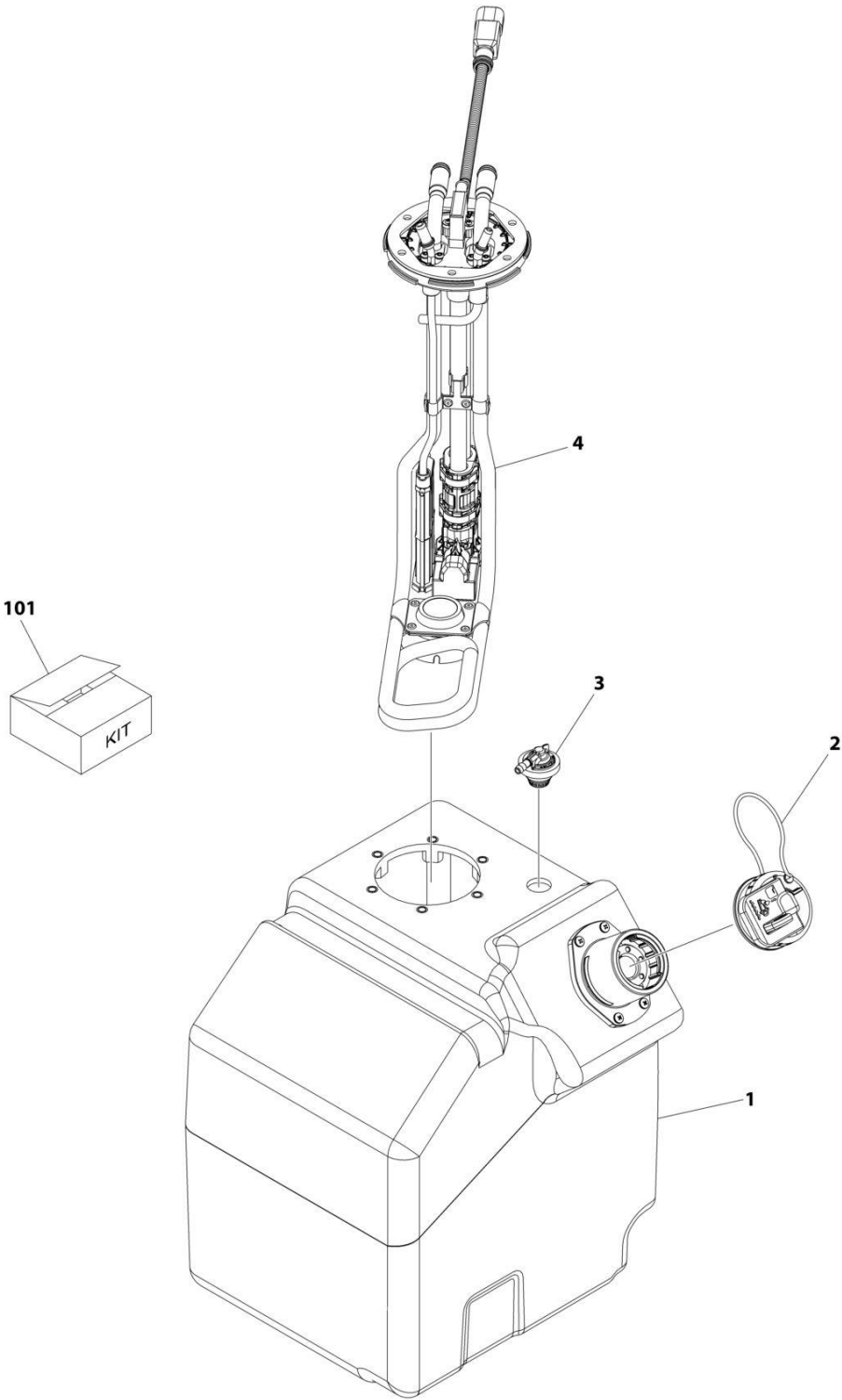
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-15. DEF TANK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239070	Ref	DEF Tank Installation	B
1	0760823	1	Bolt, M8X75	
2	4811900	1	Washer, M8	
3	8405009	1	Clamp, Gear	
4	1001178791	1	Strap, Tank	
5	1001226681	3	Screw	
6	1001230421	1	Assembly, DEF Tank (See Separate Breakdown in this Section)	
7	1001239149	1	Sleeve	
8	1001239165	1	Tube	
9	1001175201	887 mm	Hose	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-16. DEF TANK ASSEMBLY



ART_1001230421

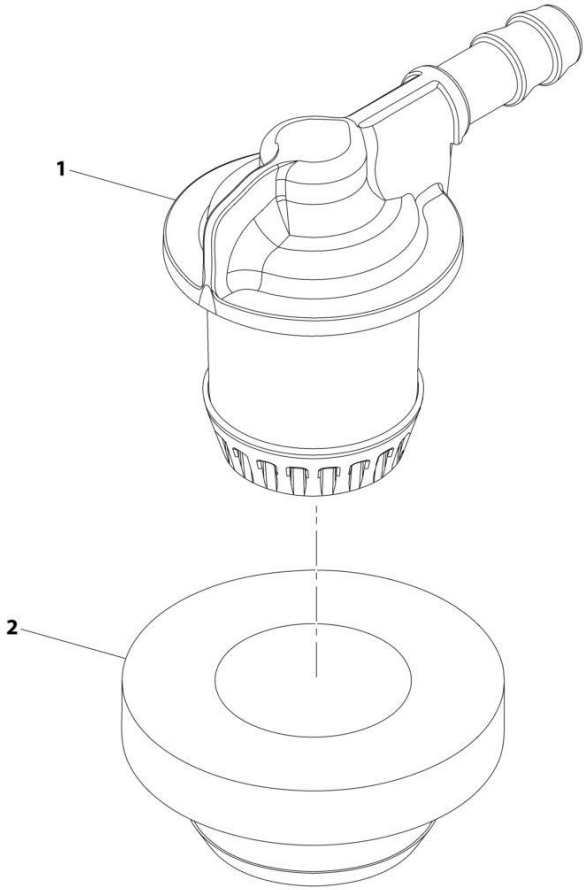
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-16. DEF TANK ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001230421	Ref	DEF TANK ASSEMBLY	D
1	1001164967	1	Tank	
2	1001174795	1	Cap	
3	1001215319	1	Valve (See Separate Breakdown in this Section)	
4	1001230419	1	Assembly, DEF Electrical (includes item 101)	
101	70029473	1	Siphon Filter Kit	
101	70029474	1	Gasket, Rubber	
101	70029475	1	Flange	
101	70029476	1	Header Assembly w/o Flange and Gasket	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-17. DEF BREATHER VALVE



ART_1001215319-B

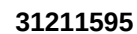
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-17. 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	

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1075



ART_1001243978

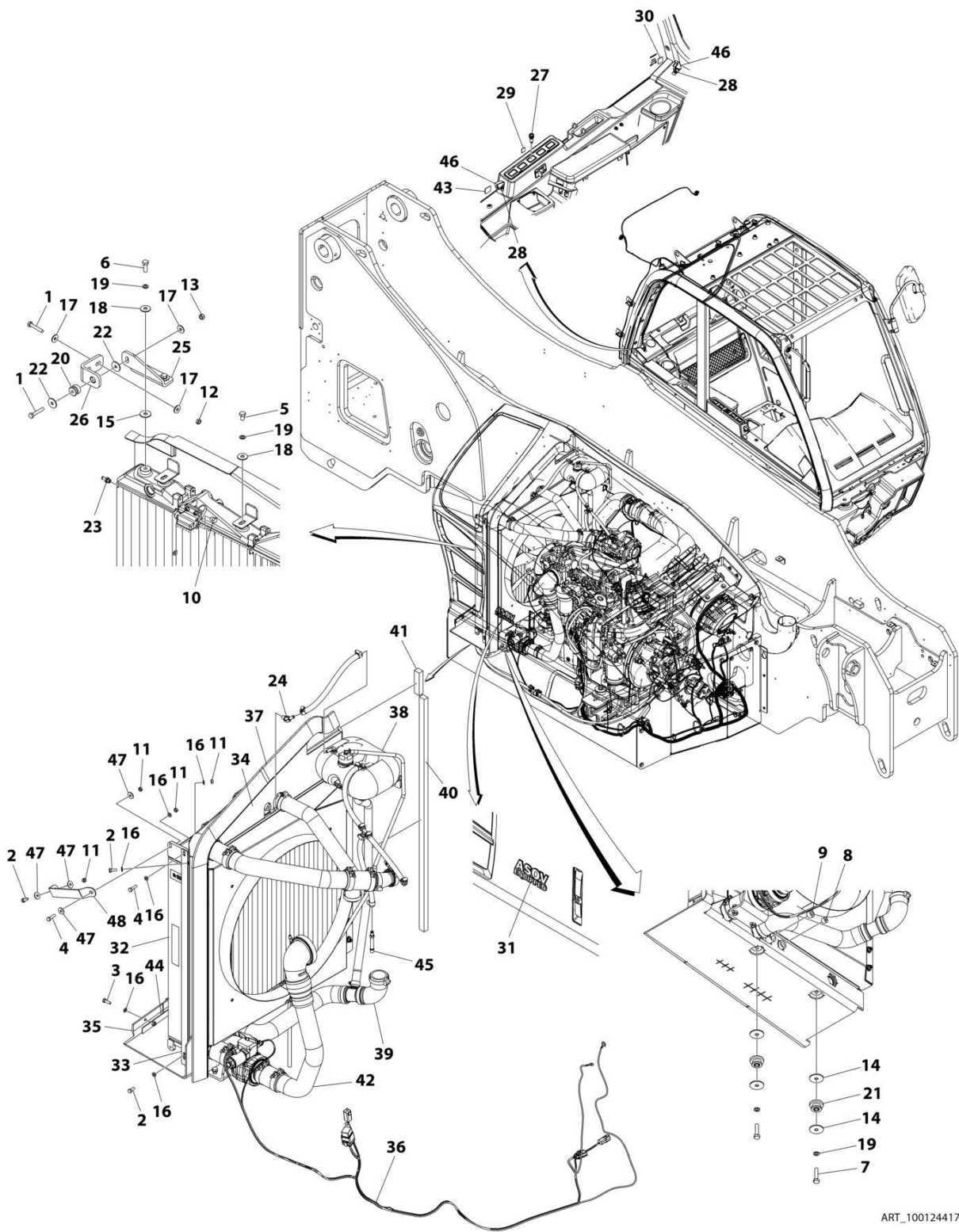
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-18. COOLING PACKAGE INSTALLATION (CUMMINS 4.5L)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243978	Ref	COOLING PACKAGE INSTALLATION (CUMMINS 4.5L)	C
1	0701020	3	Bolt M10 x 60	
2	0760810	3	Bolt M8 x 20	
3	0760812	4	Bolt M8 x 25	
4	0760814	2	Bolt M8 x 30	
5	0761210	1	Bolt M12 x 20	
6	0761215	2	Bolt M12 x 35	
7	0761218	2	Bolt M12 x 50	
8	2200223	1	Plug	
9	2200224	1	Plug	
10	2220237	2	Plug	
11	3290801	4	Nut M8 x 1.25	
12	3291001	2	Nut M10 x 1.5	
13	3291005	1	Nut M10 x 1.5	
14	4740274	4	Washer	
15	4740550	1	Washer M12	
16	4811900	9	Washer M8	
17	4812002	5	Washer M10	
18	4812102	3	Washer M12	
19	4832100	5	Washer M12	
20	8278020	1	Mount	
21	1001114803	2	Mount	
22	1001155540	2	Washer	
23	1001168030	2	Barb, Hose	
24	1001174356	1	Barb, Hose	
25	1001200498	1	Bracket, Radiator	
26	1001200499	1	Bracket, Frame	
27	1001237936	1	Radiator Cooling Package (See Separate Breakdown in this Section)	
28	1001250184	1	Plate	
29	1001250185	1	Bracket	
30	1001250183	1	Panel, Air Dam	
31	1001243961	1	Seal, Foam Gasket	
32	1001244051	1	Installation, Surge Tank (See Separate Breakdown in this Section)	
33	1001244052	1	Installation, Coolant Lines (See Separate Breakdown in this Section)	
34	1001244053	1	Installation, CAC Lines (See Separate Breakdown in this Section)	
35	1001244117	1	Seal, Foam Gasket	
36	1001244118	1	Seal, Foam Gasket	
37	1001247366	1	Bracket	
38	1001252525	1	Coupling	
39	4811902	4	Washer	
40	1001250190	1	Bracket	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-19. COOLING PACKAGE INSTALLATION (ASOV)



ART_1001244174

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-19. COOLING PACKAGE INSTALLATION (ASOV)

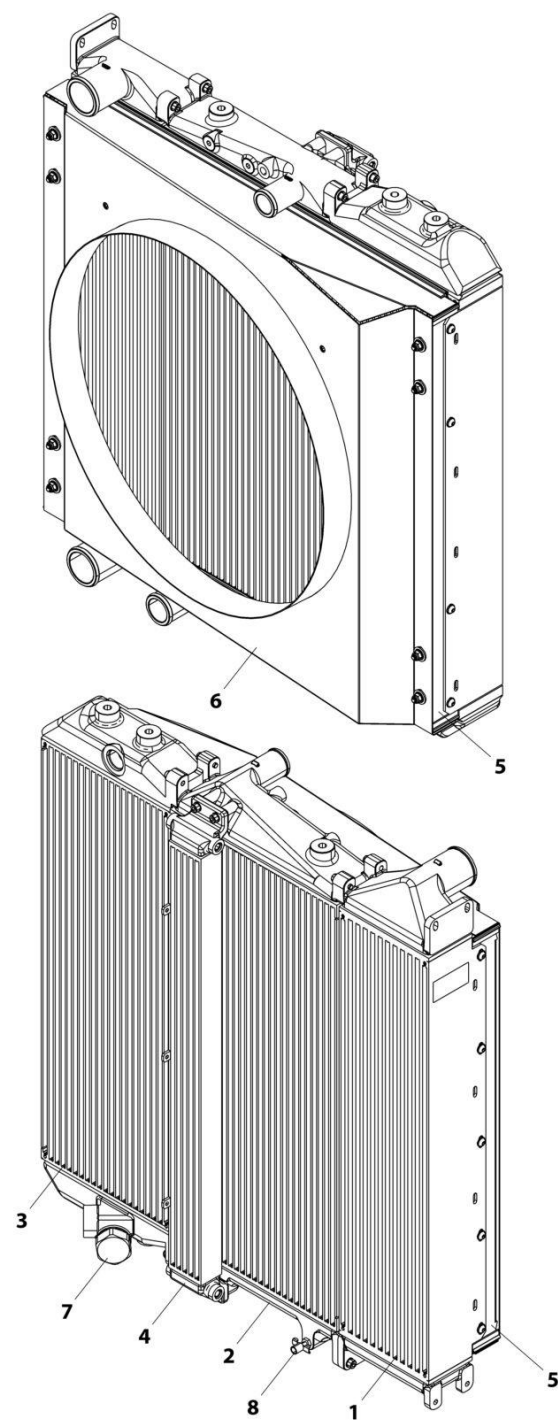
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244174	Ref	COOLING PACKAGE INSTALLATION (ASOV)	C
1	0701020	3	Bolt M10 x 60	
2	0760810	3	Bolt M8 x 20	
3	0760812	4	Bolt M8 x 25	
4	0760814	2	Bolt M8 x 30	
5	0761210	1	Bolt M12 x 20	
6	0761215	2	Bolt M12 x 35	
7	0761218	2	Bolt M12 x 50	
8	2200223	1	Plug	
9	2200224	1	Plug	
10	2220237	2	Plug	
11	3290801	4	Nut M8 x 1.25	
12	3291001	2	Nut M10 x 1.5	
13	3291005	1	Nut M10 x 1.5	
14	4740274	4	Washer	
15	4740550	1	Washer M12	
16	4811900	9	Washer M8	
17	4812002	5	Washer M10	
18	4812102	3	Washer M12	
19	4832100	5	Washer M12	
20	8278020	1	Mount	
21	1001114803	2	Mount	
22	1001155540	2	Washer	
23	1001168030	2	Barb, Hose	
24	1001174356	1	Barb, Hose	
25	1001200498	1	Bracket, Radiator	
26	1001200499	1	Bracket, Frame	
27	1001200631	1	Lamp, LED Indicator	
28	1001255706	2	Switch	
29	1001227077	1	Decal, Air Shut Off	
30	1001227964	1	Decal, ASOV Test	
31	1001228643	1	Decal, ASOV Equipped	
32	1001237936	1	Radiator Cooling Package (See Separate Breakdown in this Section)	
33	1001250184	1	Plate	
34	1001250185	1	Bracket	
35	1001250183	1	Panel, Air Dam	
36	1001243540	1	ASOV Harness (See Separate Breakdown in ELECTRICAL Section)	
37	1001243961	1	Seal, Foam Gasket	
38	1001244051	1	Installation, Surge Tank (See Separate Breakdown in this Section)	
39	1001244052	1	Installation, Coolant Lines (See Separate Breakdown in this Section)	
40	1001244117	1	Seal, Foam Gasket	
41	1001244118	1	Seal, Foam Gasket	
42	1001244175	1	Installation, CAC Lines (See Separate Breakdown in this Section)	
43	1001246971	1	Decal, ASOV E-Stop	
44	1001247366	1	Bracket	
45	1001252525	1	Coupling	
46	1001255723	2	Switch, Toggle Guard	

SECTION 4 - ENGINE AND ATTACHING PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47	4811902	4	Washer	
48	1001250190	1	Bracket	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-20. RADIATOR ASSEMBLY



ART_1001237936

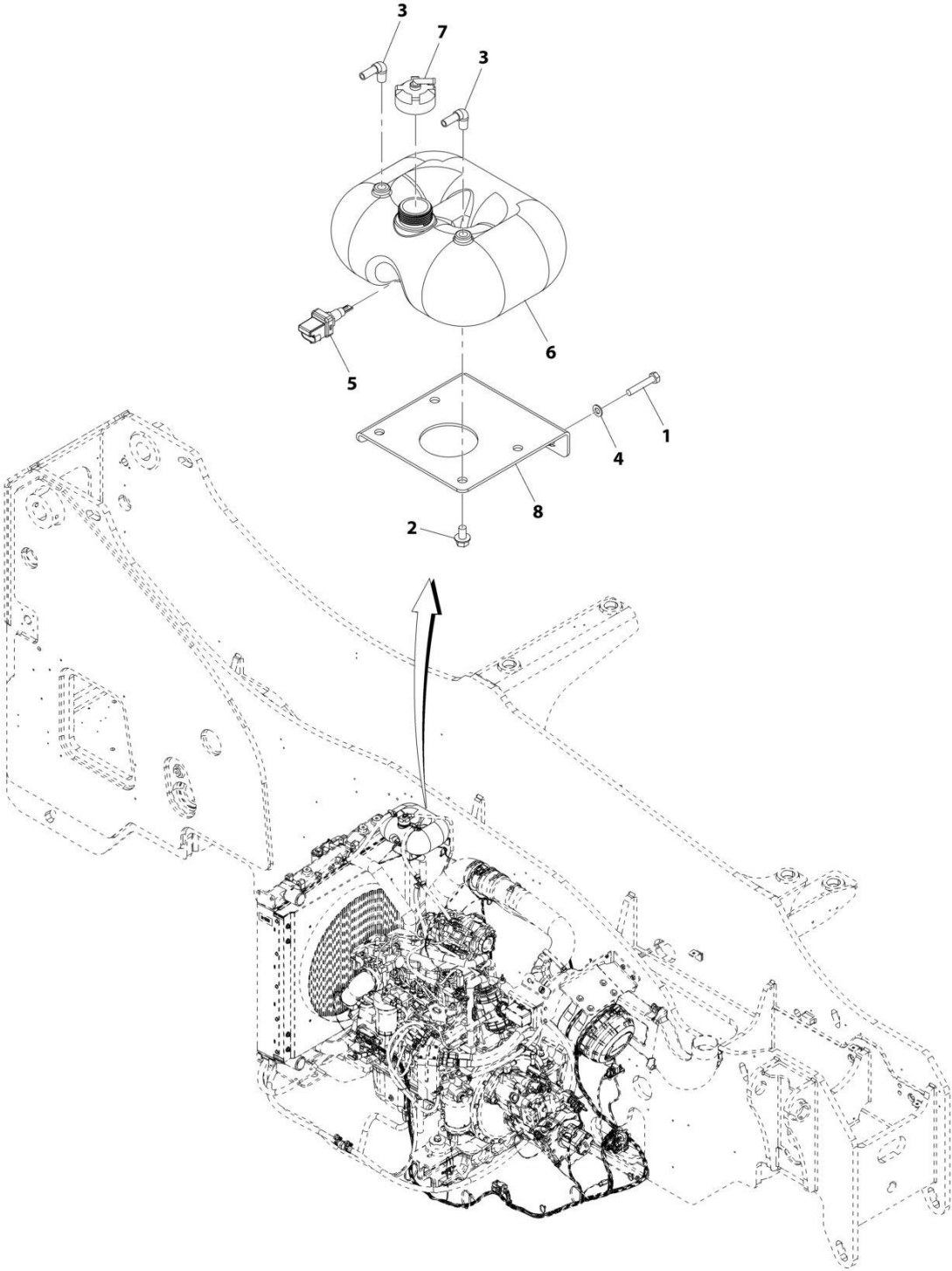
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-20. RADIATOR ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237936	Ref	Radiator Assembly	D
1	70030086	1	Charge Air Cooler	
2	70026354	1	Radiator	
3	70028550	1	HYD Oil Cooler	
4	70026357	1	Fuel Cooler	
5	70026359	2	Bracket, Shroud Mounting	
6	70030087	1	Shroud	
7	70028548	1	Valve Bypass	
8	70026081	1	Petcock	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-21. SURGE TANK INSTALLATION



ART_1001244051-B

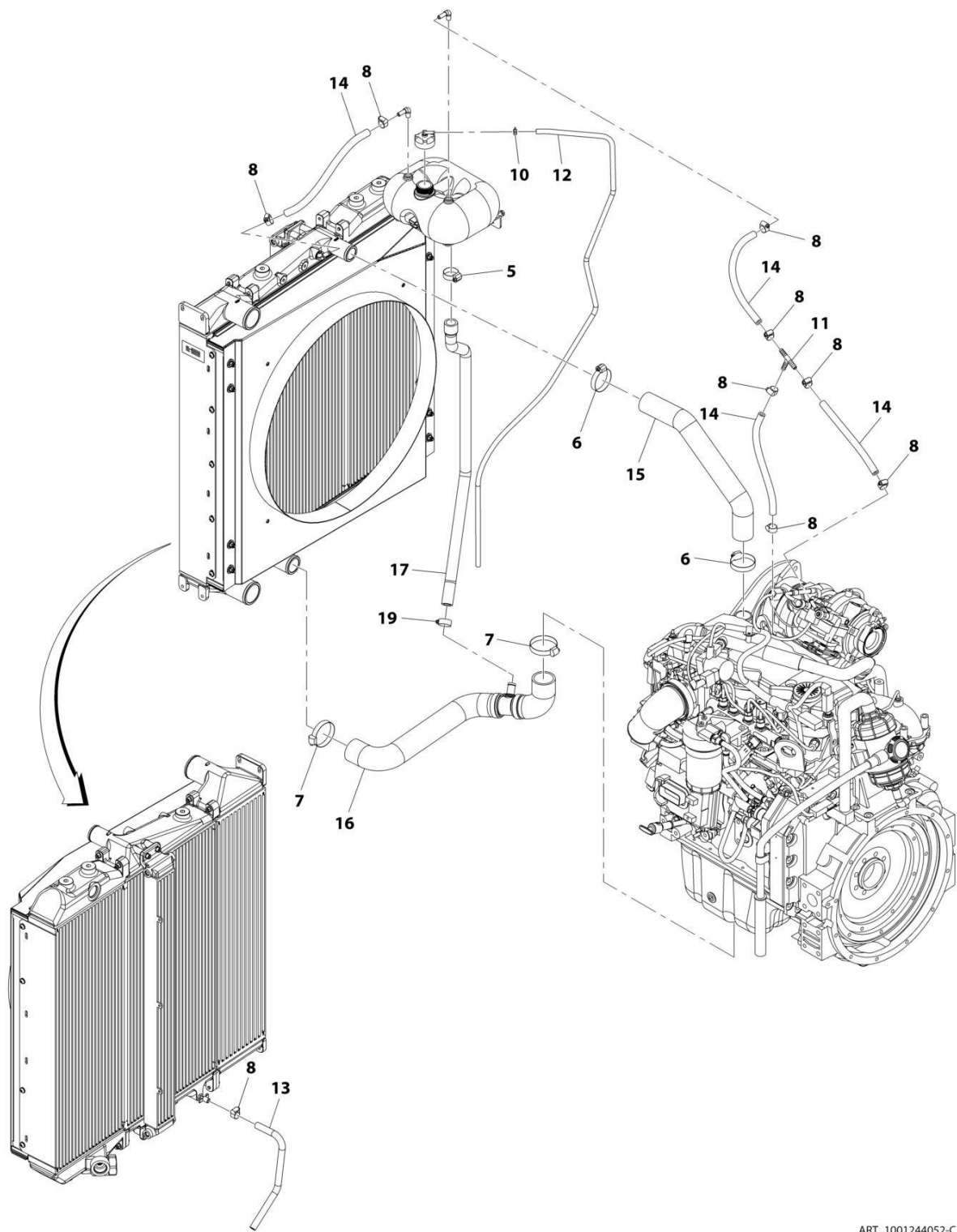
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-21. SURGE TANK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244051	Ref	Surge Tank Installation	B
1	0700817	2	Bolt, M8X45	
2	0791605	4	Bolt, M3/8-16X5/8	
3	2180467	2	Fitting	
4	4811900	2	Washer, M8	
5	1001121955	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 4-22. COOLANT LINES INSTALLATION



ART_1001244052-C

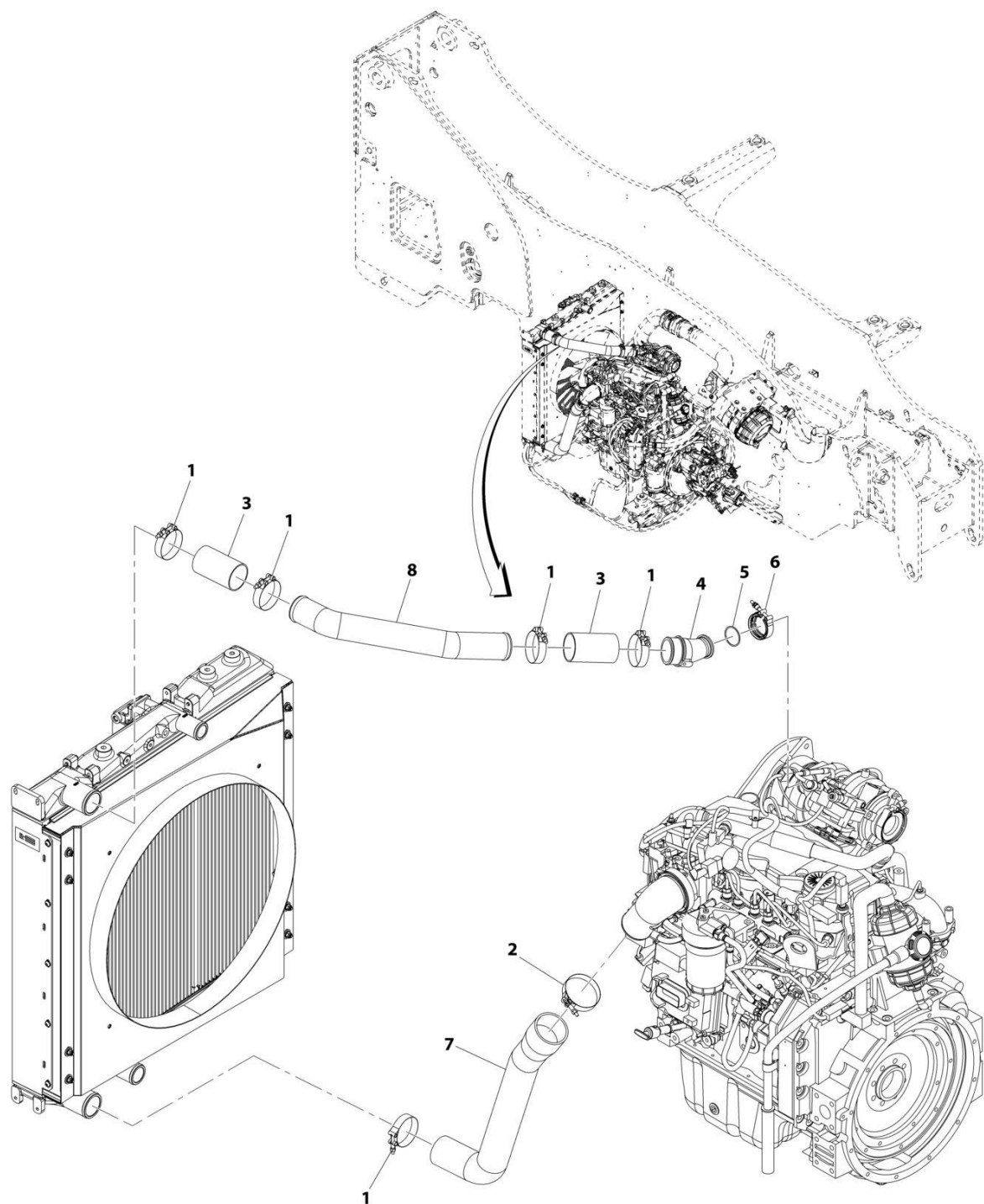
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-22. COOLANT LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244052	Ref	Coolant Lines Installation	C
5	8405101	1	Clamp, Gear	
6	8405201	2	Clamp, Gear	
7	8405202	2	Clamp, Gear	
8	8410013	9	Clamp, Gear	
10	1001144802	1	Clamp, Hose	
11	1001172953	1	Pipe, Tee	
12	1001180542	1680 mm	Hose	
13	1001180553	370 mm	Hose	
14	1001181625	1180 mm	Hose	
15	1001239297	1	Hose	
16	1001239298	1	Hose	
17	1001242685	1	Hose	
19	8405007	1	Clamp, Gear	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-23. CAC LINES INSTALLATION



ART_1001244053-B

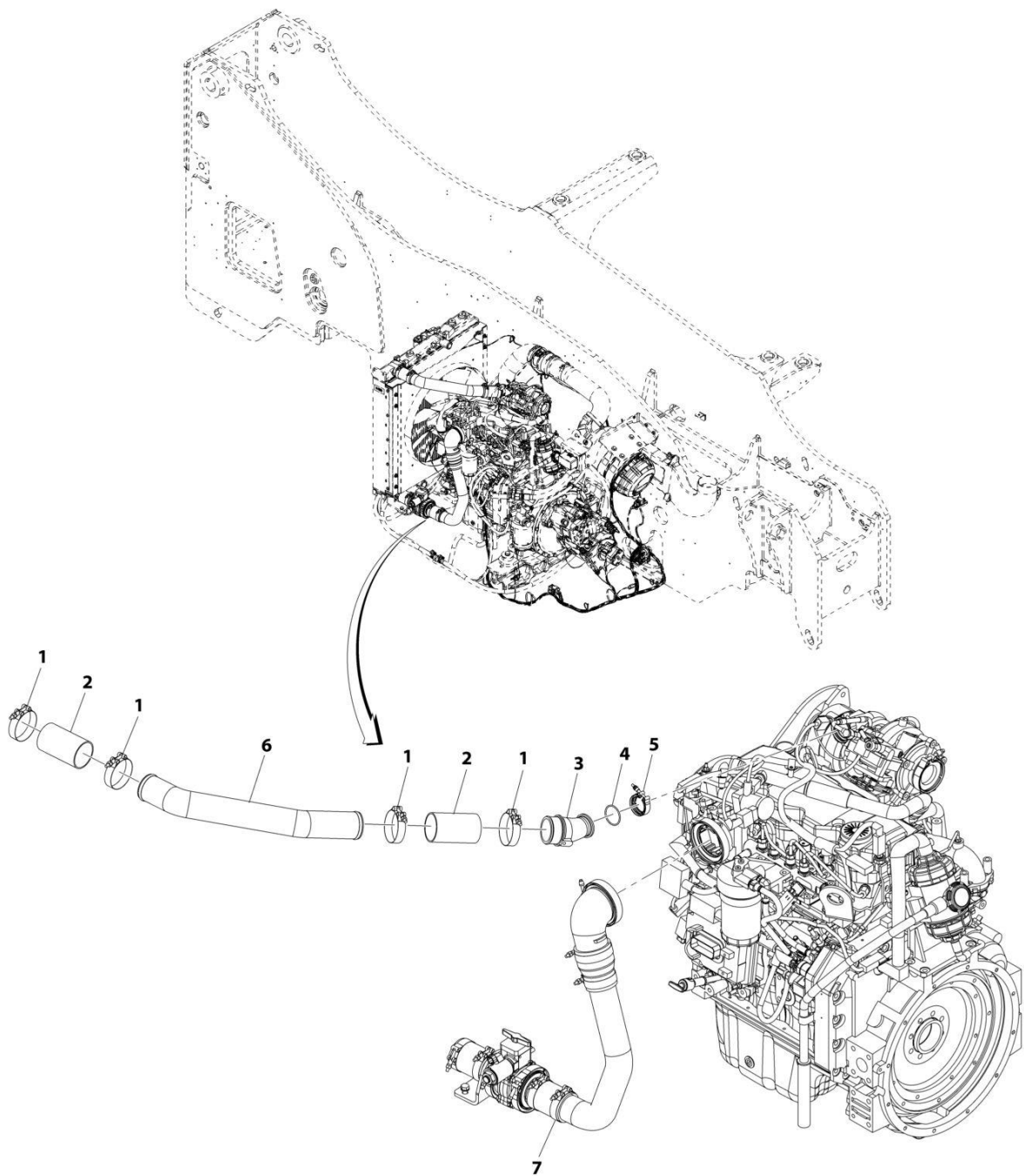
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-23. CAC LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244053	Ref	CAC Lines Installation	B
1	8405212	5	Clamp, T-Bolt	
2	8405305	1	Clamp, T-Bolt	
3	1001114495	2	Hose	
4	1001161920	1	Adapter Mech	
5	1001238624	1	O-Ring	
6	1001238625	1	Clamp, Pipe-Tube	
7	1001250181	1	Hose	
8	1001250180	1	Pipe	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-24. CAC LINES INSTALLATION (ASOV)



ART_1001244175-B

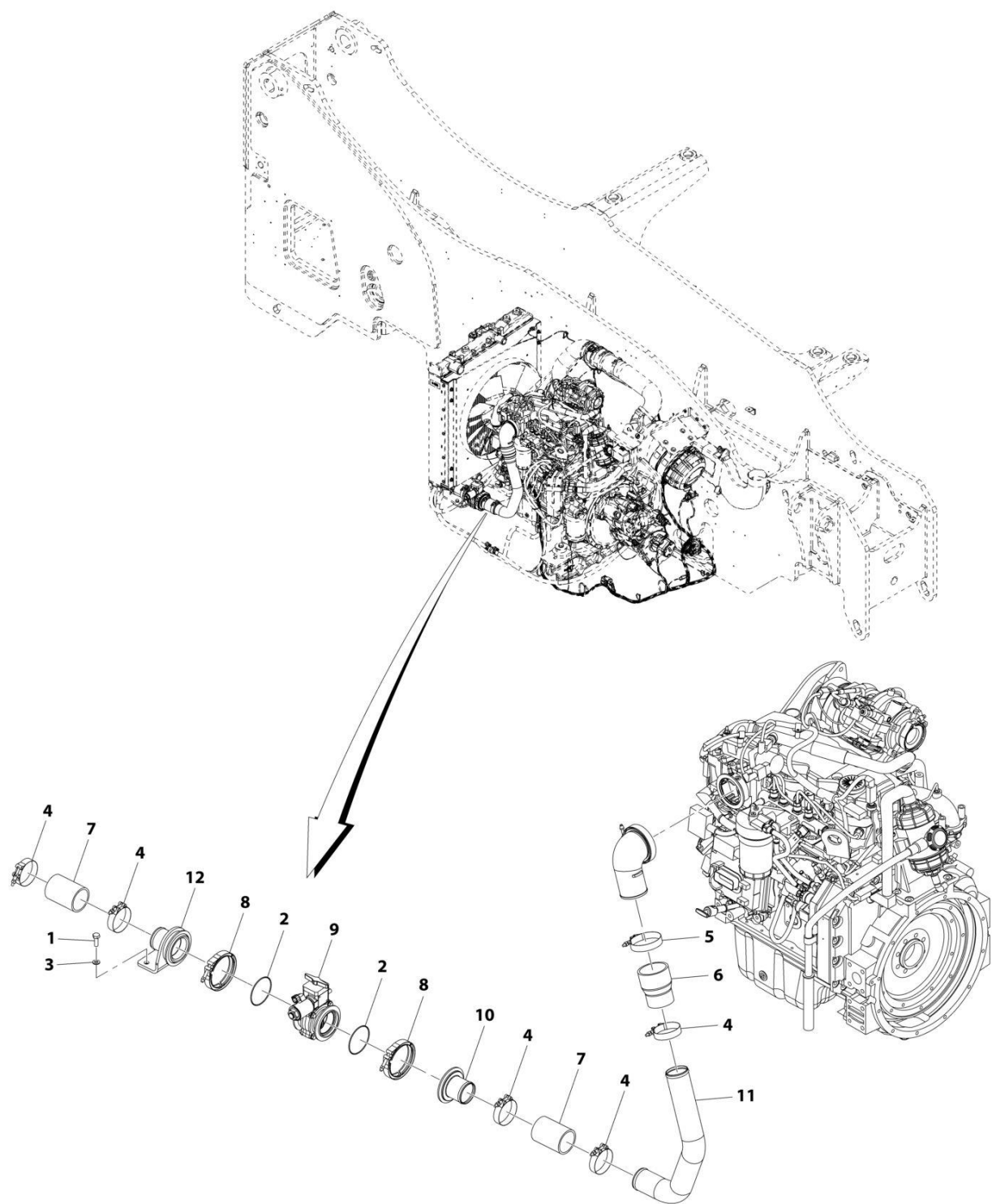
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-24. CAC LINES INSTALLATION (ASOV)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244175	Ref	CAC Lines Installation (ASOV)	B
1	8405212	4	Clamp, T-Bolt	
2	1001114495	2	Hose	
3	1001161920	1	Adapter Mech	
4	1001238624	1	O-Ring	
5	1001238625	1	Clamp, Pipe-Tube	
6	1001250180	1	Pipe	
7	1001244048	1	Installation, ASOV Lines (See Separate Breakdown in this Section)	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-25. ASOV LINES INSTALLATION



ART_1001244048-8

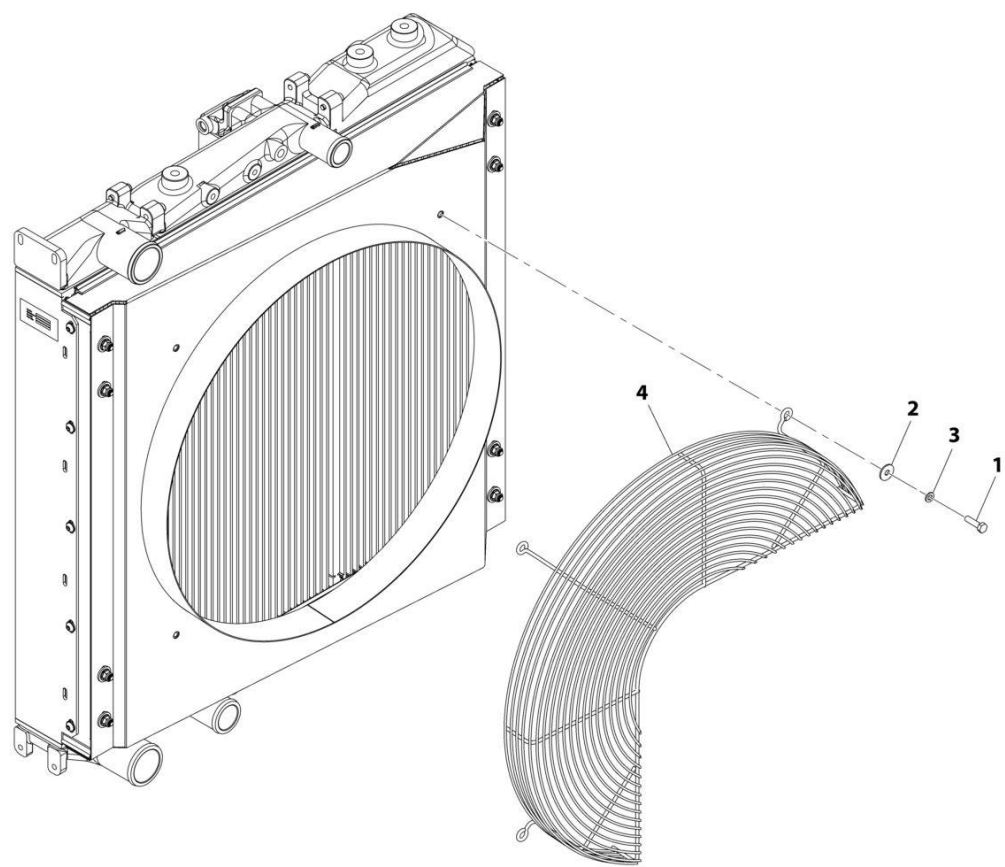
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-25. ASOV LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244048	Ref	ASOV Lines Installation	B
1	0701014	2	Bolt, M10X30	
2	3790152	2	Ring	
3	4812000	2	Washer, M10	
4	8405212	5	Clamp, T-Bolt	
5	8405305	1	Clamp, T-Bolt	
6	1001138348	1	Hose	
7	1001166416	2 mm	Hose	
8	1001202247	2	Clamp	
9	1001257324	1	Valve, Air Shut Off	
10	1001223628	1	Adapter Mech	
11	1001250189	1	Pipe	
12	1001253340	1	Bracket	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-26. FAN GUARD INSTALLATION



ART_1001243771-B

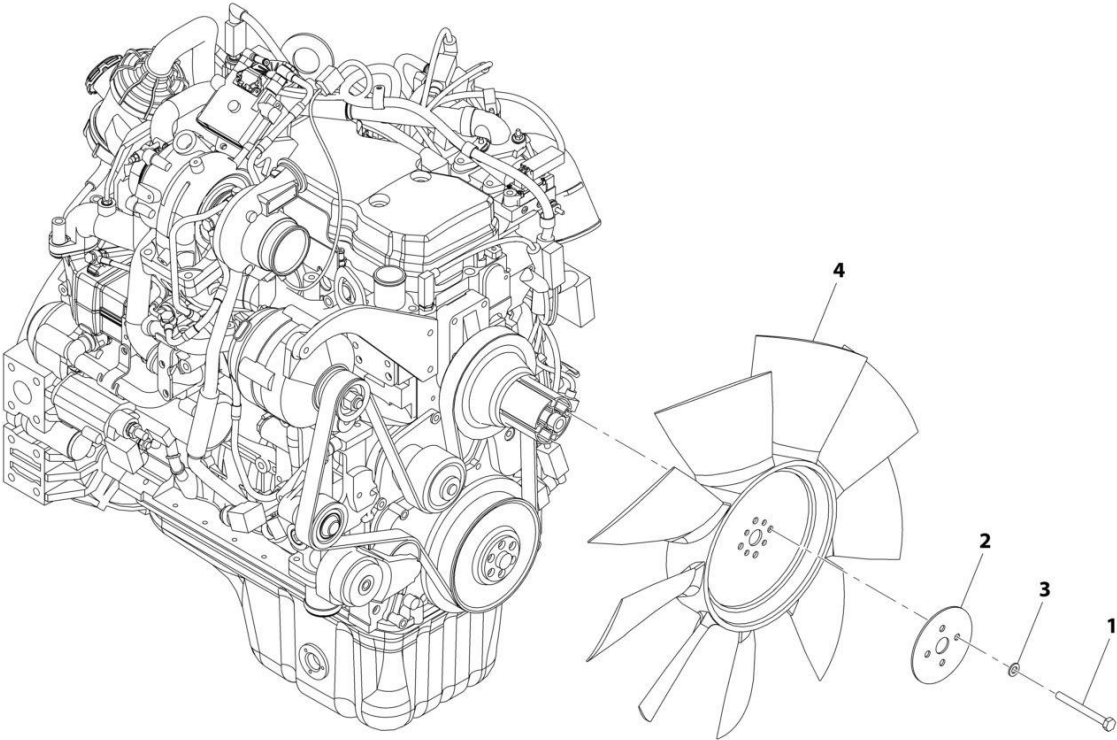
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-26. FAN GUARD INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243771	Ref	Fan Guard Installation	B
1	0700814	3	Bolt, M8X30	
2	4811902	3	Washer, M8	
3	4831900	3	Washer, Lock M8	
4	1001243772	1	Grill	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-27. COOLING FAN INSTALLATION



ART_1001244057-A

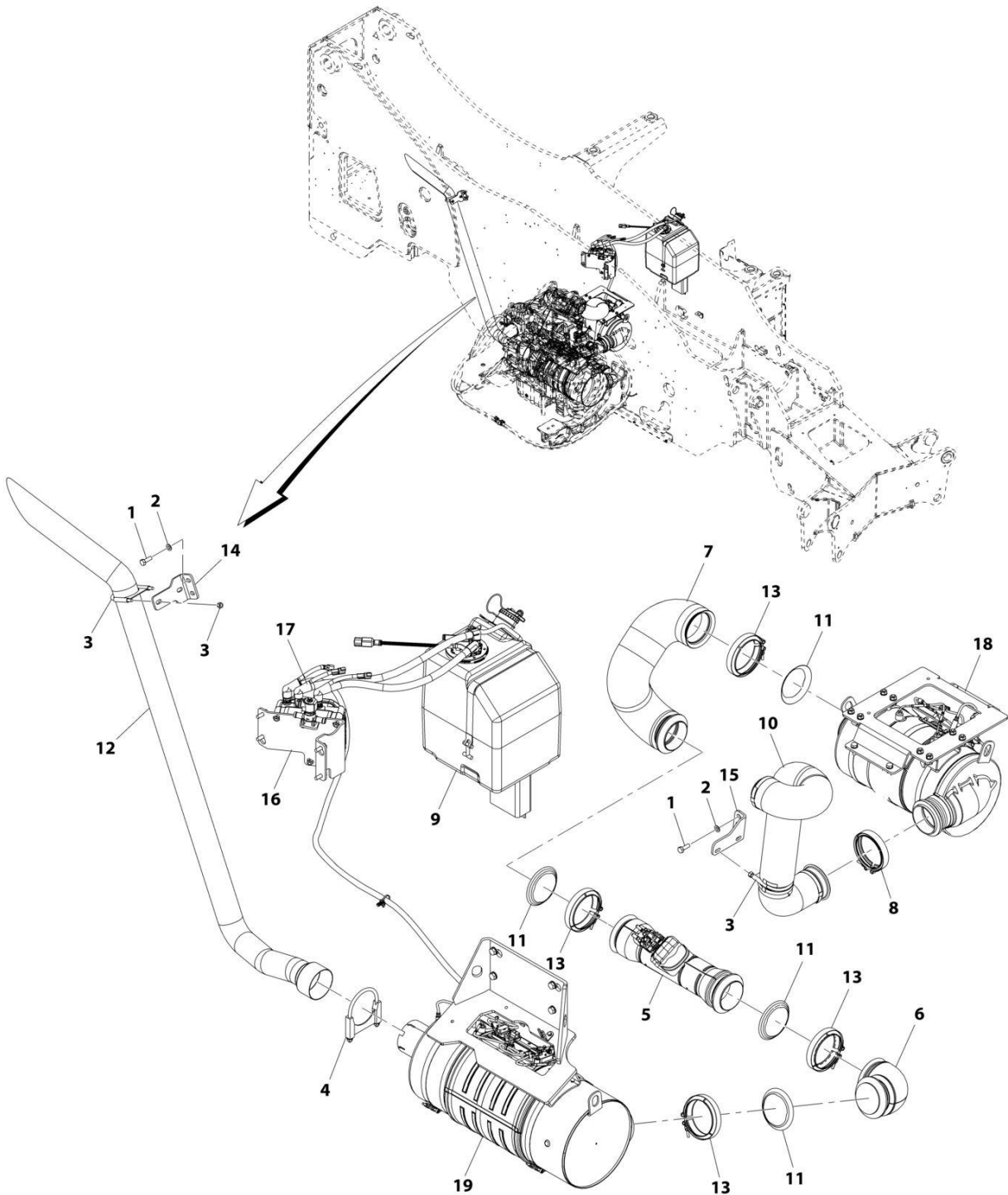
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-27. COOLING FAN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244057	Ref	Cooling Fan Installation	A
1	0701027	4	Bolt, M10X100	
2	3575947	1	Plate	
3	4812000	4	Washer, M10	
4	1001237170	1	Fan, Cooling	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-28. EXHAUST INSTALLATION (CUMMINS 4.5L)



ART_1001243979-B

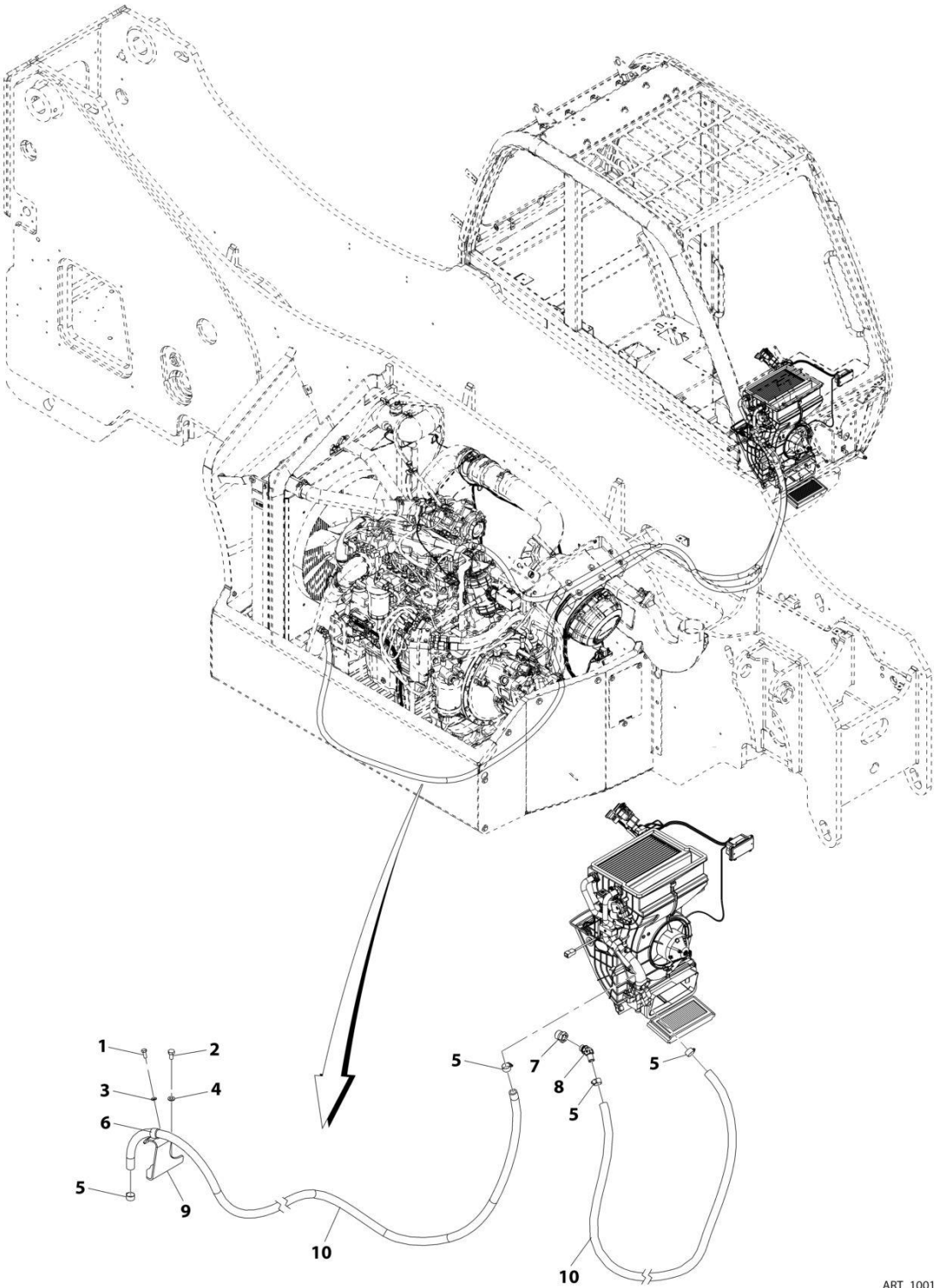
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-28. EXHAUST INSTALLATION (CUMMINS 4.5L)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243979	Ref	Exhaust Installation (Cummins 4.5L)	B
1	0701014	4	Bolt, M10X30	
2	4812000	4	Washer, M10	
3	24921332	2	Clamp	
4	86883127	1	Clamp	
5	1001236528	1	Muffler	
6	1001236556	1	Pipe	
7	1001236557	1	Pipe	
8	1001237181	1	Clamp	
9	1001239070	1	Installation, DEF Tank (See Separate Breakdown in this Section)	
10	1001239301	1	Pipe	
11	1001241318	4	Seal	
12	1001241326	1	Pipe	
13	1001241482	4	Clamp	
14	1001242740	1	Bracket	
15	1001242741	1	Bracket	
16	1001244059	1	Installation, DEF Pump and Control (See Separate Breakdown in this Section)	
17	1001244060	1	Installation, DEF Lines (See Separate Breakdown in this Section)	
18	1001245757	1	Installation, DOC (See Separate Breakdown in this Section)	
19	1001245758	1	Installation, SCR (See Separate Breakdown in this Section)	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-29. CAB - HEATER LINES INSTALLATION



ART_1001243980-A

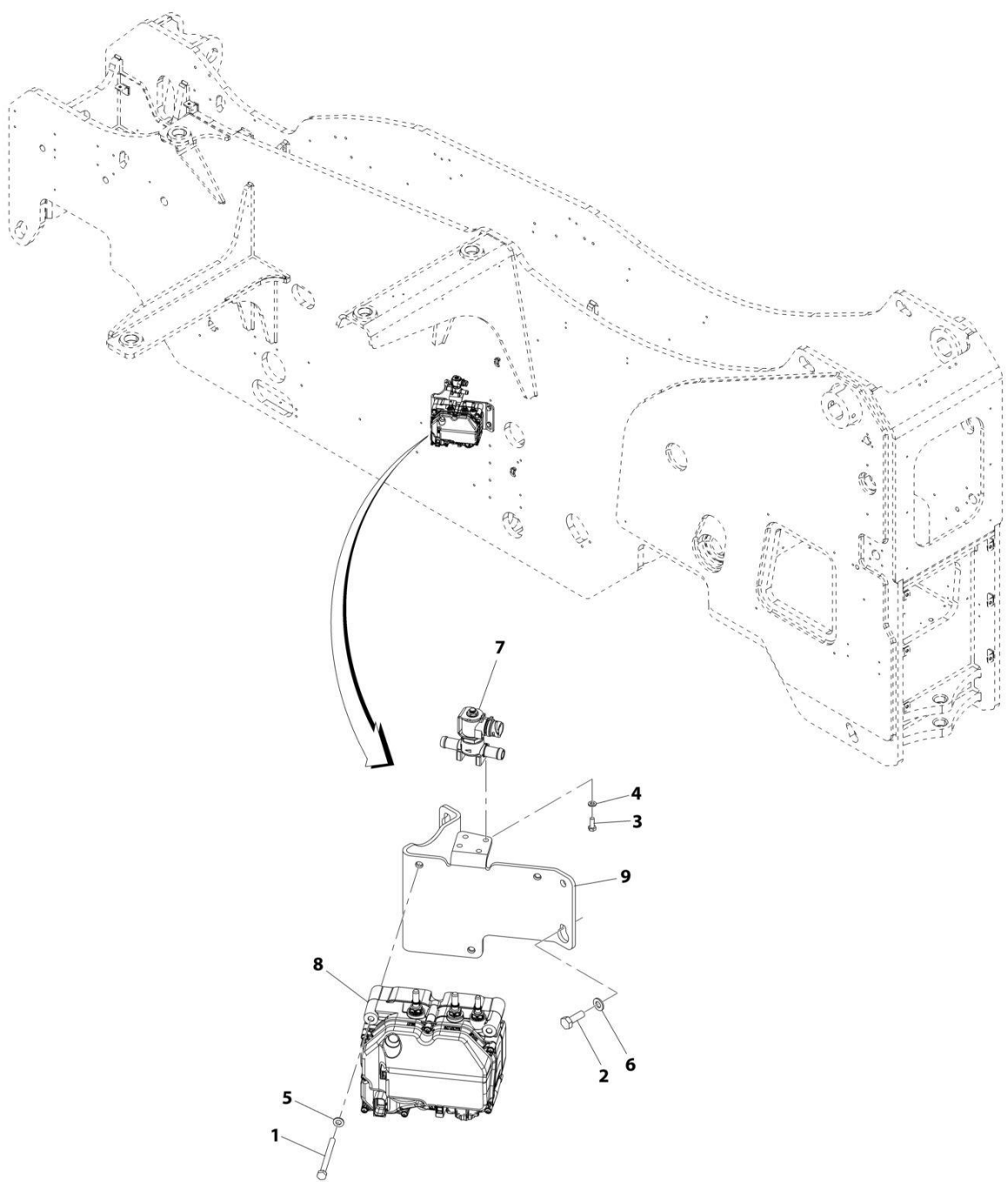
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-29. CAB - HEATER LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243980	Ref	CAB - HEATER LINES INSTALLATION	B
1	0700810	1	Bolt M8 x 20	
2	0701010	2	Bolt M10 x 20	
3	4811900	1	Washer M8	
4	4812000	2	Washer M10	
5	8410009	3	Gear Clamp	
6	1001100319	1	Clip	
7	1001238152	1	Fitting	
8	1001238153	1	Fitting, Hose Barb	
9	1001245142	1	Bracket	
10	82033995	7 m	Hose	
11	1001202526	1	Clamp	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-30. DEF PUMP AND CONTROL INSTALLATION



ART_1001244059-A

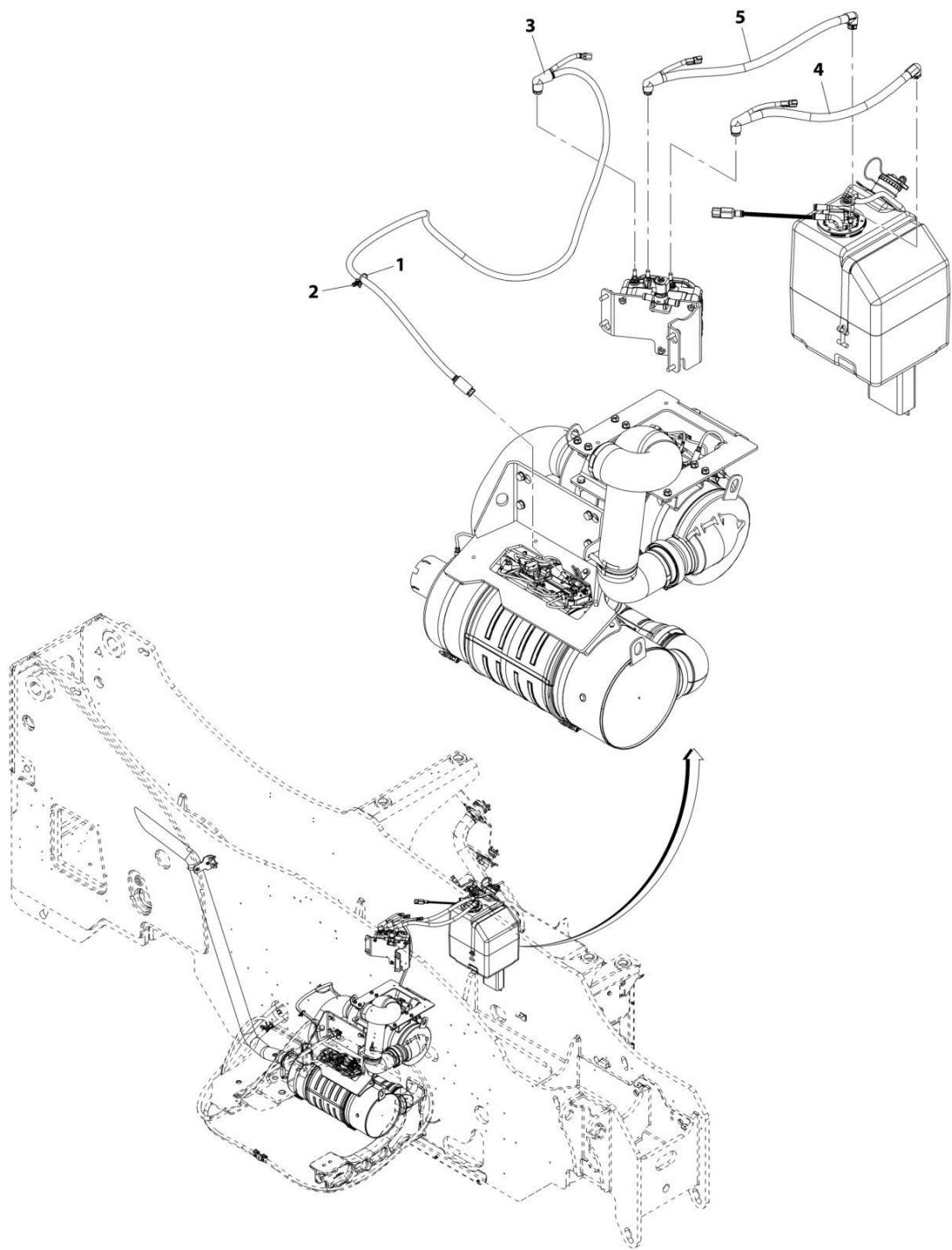
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-30. DEF PUMP AND CONTROL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244059	Ref	DEF Pump and Control Installation	A
1	0700826	3	Bolt, M8X90	
2	0701014	4	Bolt, M10X30	
3	0760608	4	Bolt, M6X16	
4	4811700	4	Washer, M6	
5	4811900	3	Washer, M8	
6	4812000	4	Washer, M10	
7	1001199670	1	Valve, DEF Tank Coolant Flow	
8	1001213210	1	Pump, DEF Module (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
9	1001241702	1	Bracket	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-31. DEF LINES INSTALLATION



ART_1001244060-B

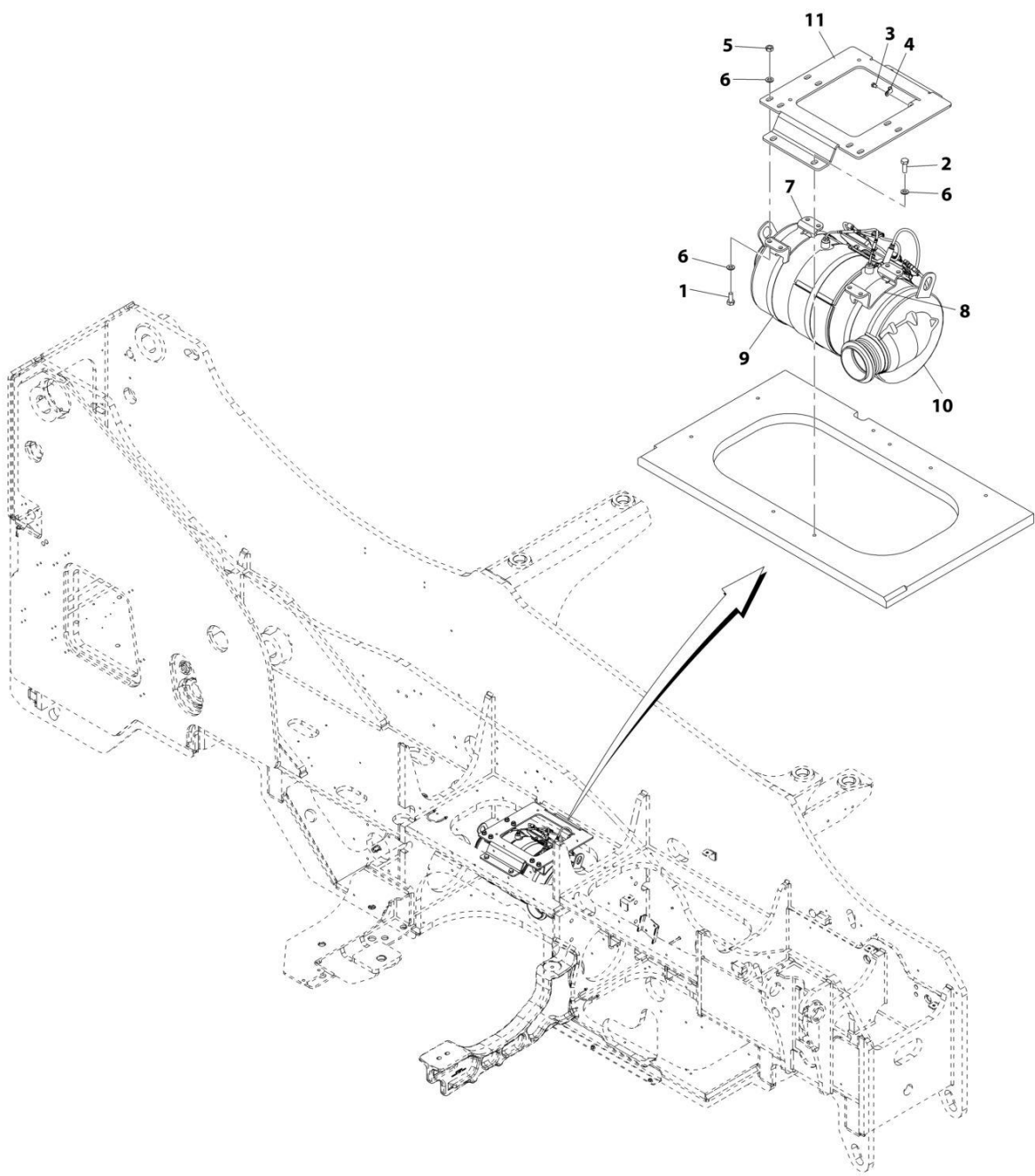
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-31. DEF LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244060	Ref	DEF Lines Installation	B
1	1001008559	1	Strap, Cable	
2	1001202986	1	Strap Push Mount	
3	1001241684	1	Hose	
4	1001241704	1	Hose	
5	1001241705	1	Hose	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-32. DOC INSTALLATION



ART_1001245757-B

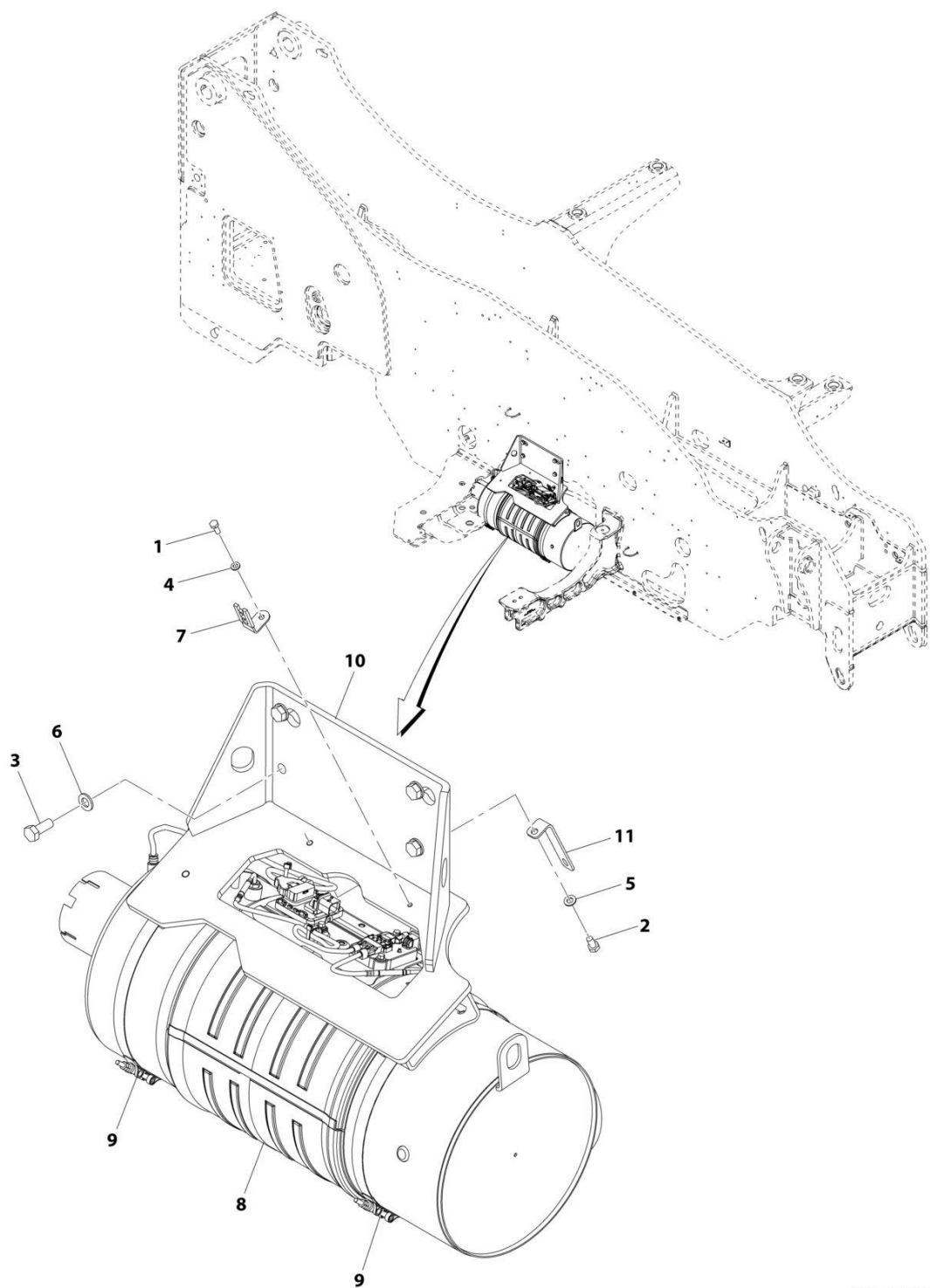
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-32. DOC INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245757	Ref	DOC Installation	B
1	0701012	8	Bolt, M10X25	
2	0701014	4	Bolt, M10X30	
3	0760605	1	Bolt, M6X10	
4	1320136	1	Clamp, Cable	
5	3291001	8	Nut, M10X1.5	
6	4812000	20	Washer, M10	
7	1001159881	1	Bracket	
8	1001159882	1	Bracket	
9	1001176945	2	Strap	
10	1001236530	1	Muffler	
11	1001242739	1	Bracket	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-33. SCR INSTALLATION



ART_1001245758-B

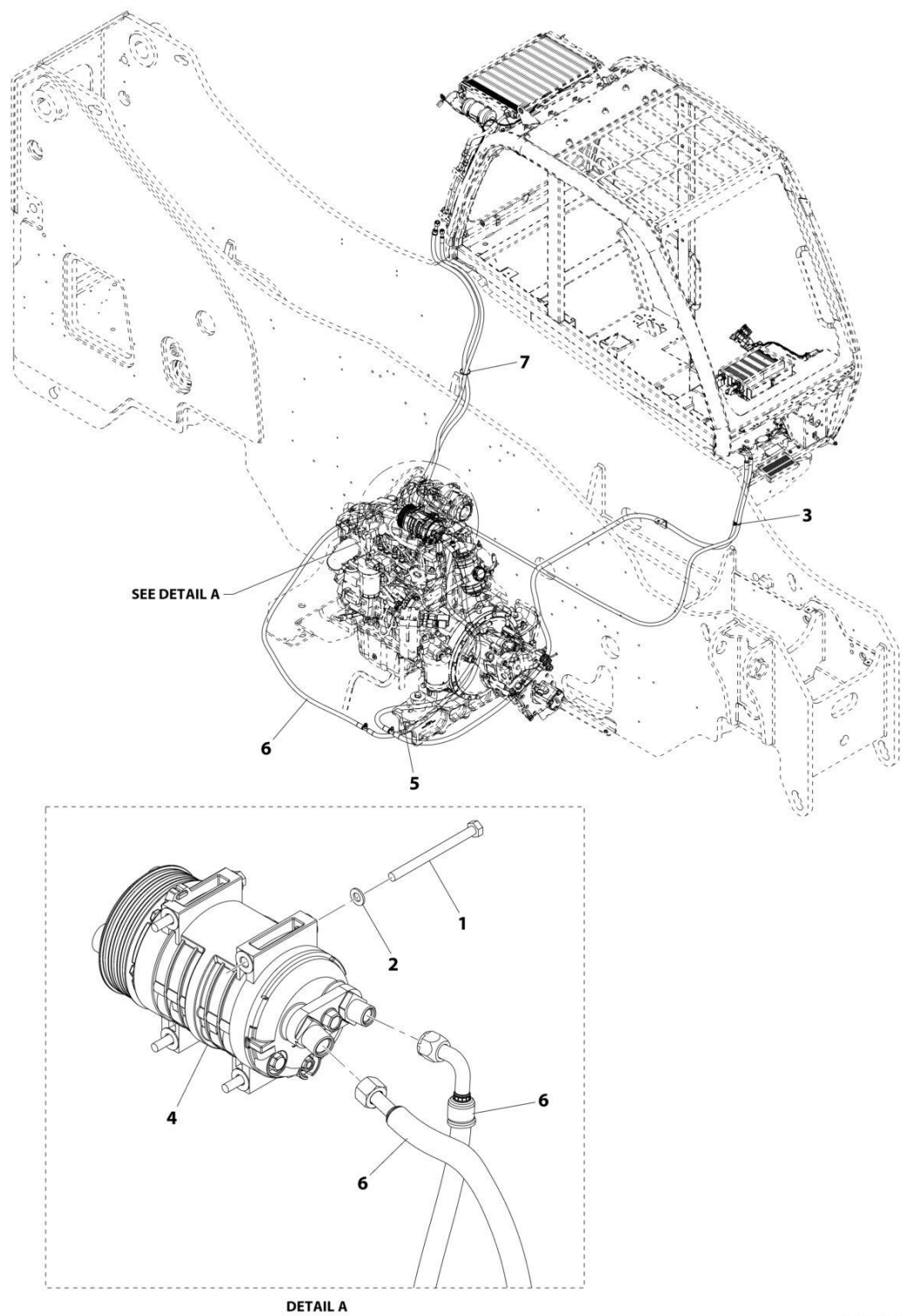
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-33. SCR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245758	Ref	SCR Installation	B
1	0760608	1	Bolt, M6X16	
2	0760808	1	Bolt, M8X16	
3	0761214	4	Bolt, M12X30	
4	4811700	1	Washer, M6	
5	4811900	1	Washer, M8	
6	4812100	4	Washer, M12	
7	1001025749	1	Clip	
8	1001236529	1	Muffler	
9	1001238755	2	Strap	
10	1001242734	1	Bracket	
11	1001247578	1	Bracket	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-34. A/C PUMP INSTALLATION (CUMMINS 4.5L)



ART_1001243981-A

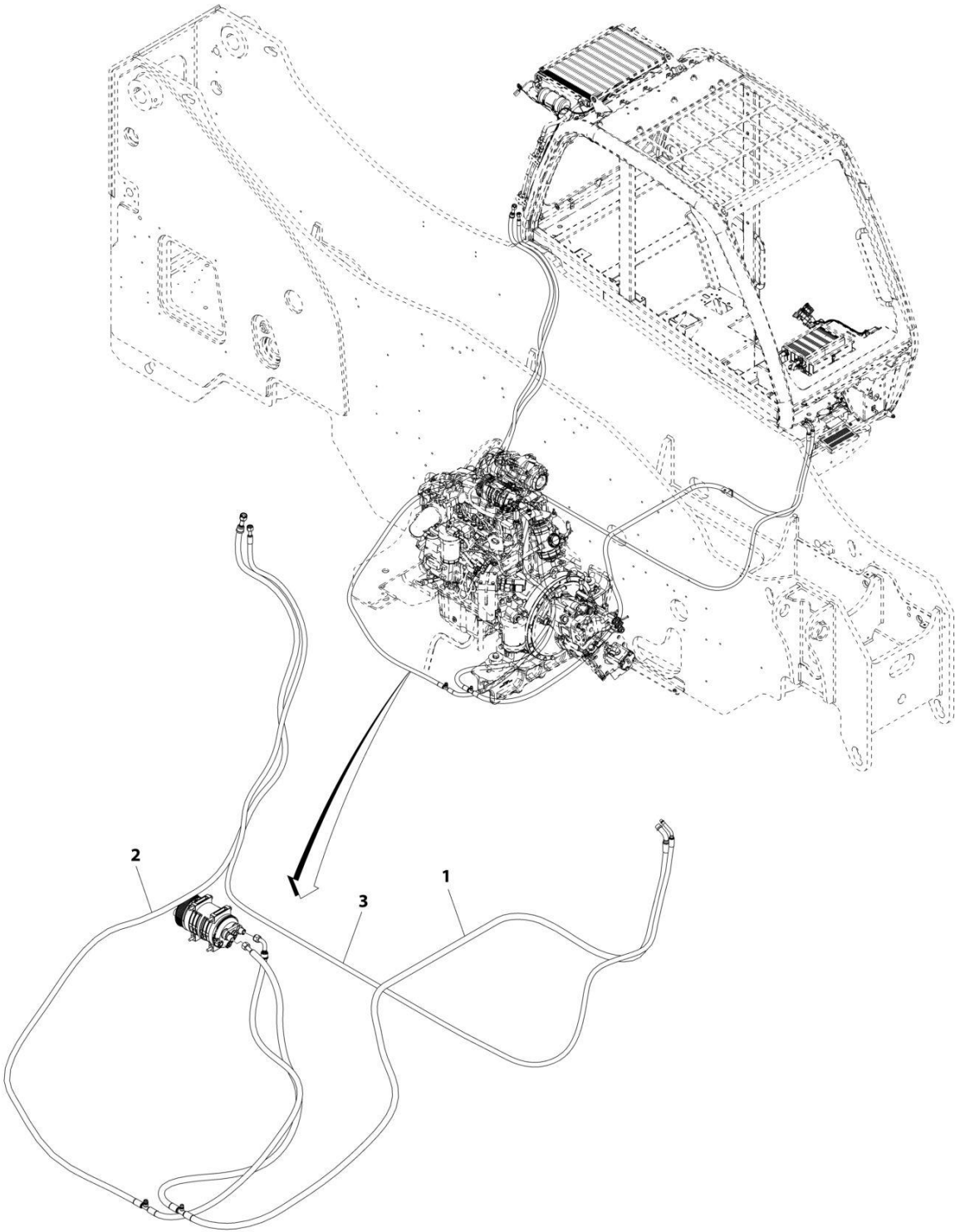
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-34. A/C PUMP INSTALLATION (CUMMINS 4.5L)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243981	Ref	A/C Pump Installation (Cummins 4.5L)	A
1	0700827	4	Bolt, M8X100	
2	4811900	4	Washer, M8	
3	1001146588	1	Strap, Tie	
4	1001157663	1	Compressor, A/C	
5	1001193026	1	Decal, A/C Refrigerant	
6	1001243982	1	A/C Lines Installation (See Separate Breakdown in this Section)	
7	1001008559	2	Strap, Cable	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-35. A/C LINES INSTALLATION



ART_1001243982-A

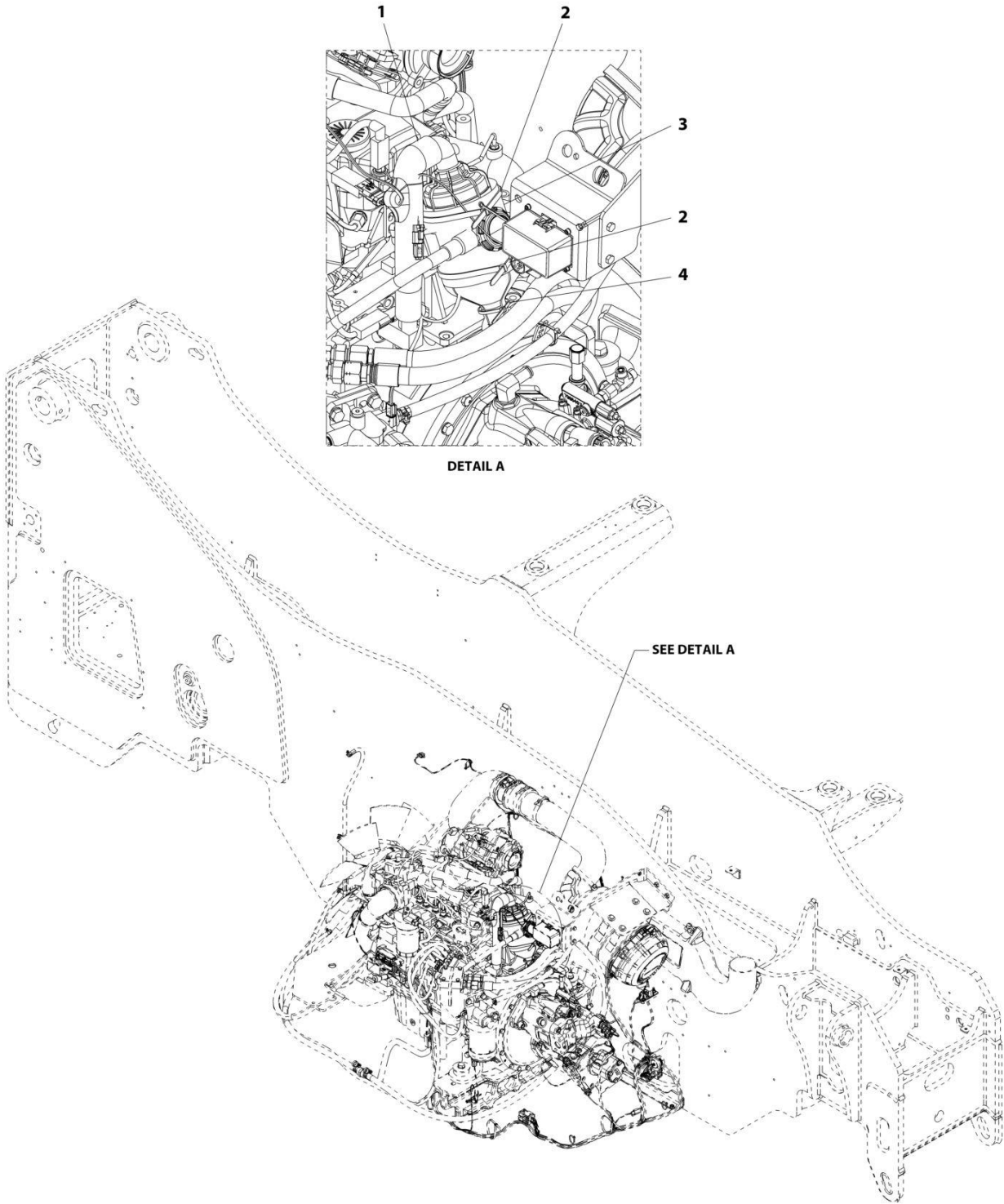
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-35. A/C LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243982	Ref	A/C Line Installation	A
1	1001243840	1	Hose	
2	1001243841	1	Hose	
3	1001245708	1	Hose	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-36. BREATHER TUBE HEATER INSTALLATION



ART_1001246882-A

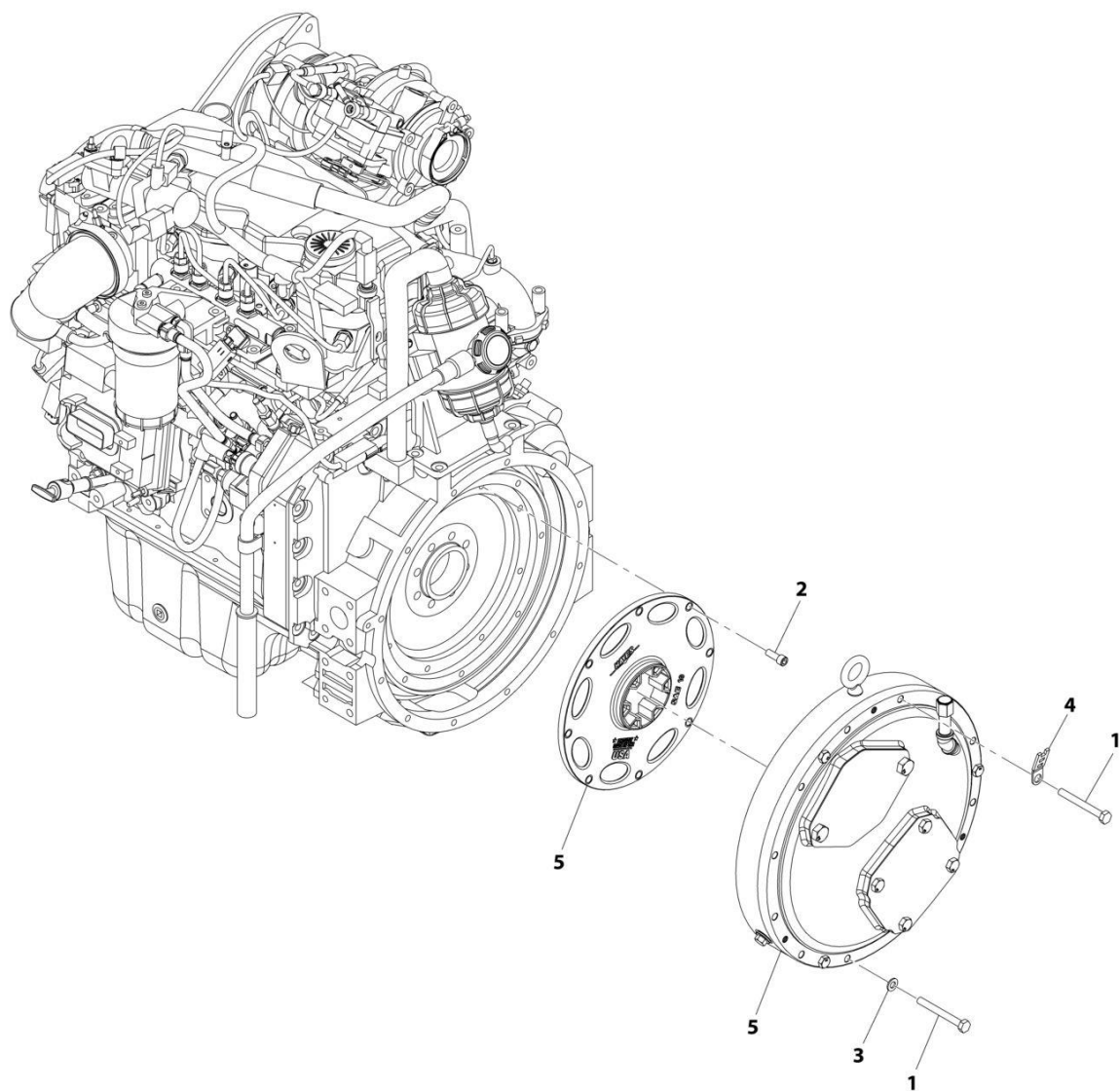
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-36. BREATHER TUBE HEATER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246882	Ref	Breather Tube Heater Installation	A
1	1001211884	1	Hose	
2	01043892	2	Tie wrap, Long	
3	1001211503	1	Insulate, CV Filter	
4	86683122	1	Tie wrap, Short	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-37. TRANSMISSION HYDROSTATIC ADAPTER INSTALLATION



ART_1001243039-B

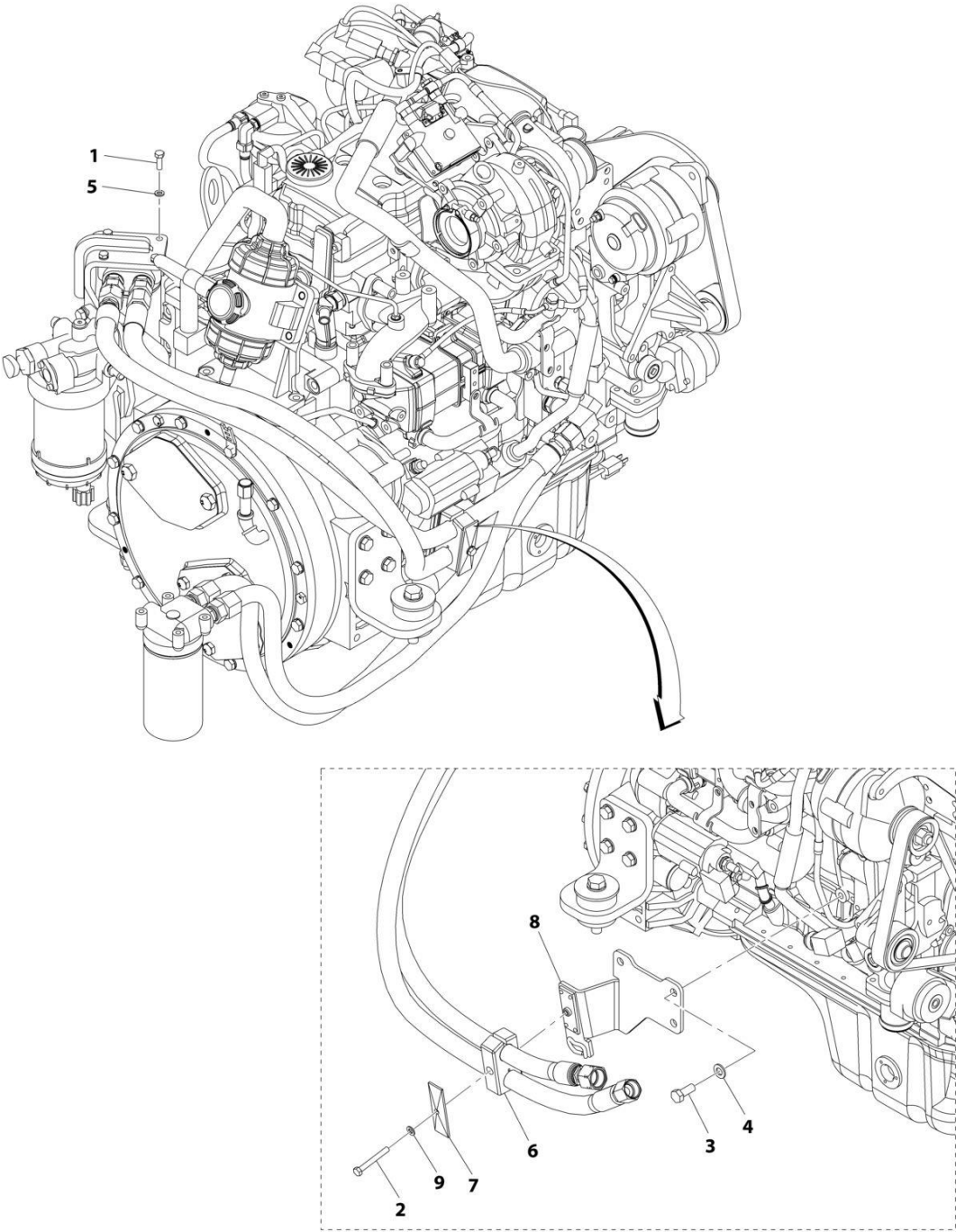
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-37. TRANSMISSION HYDROSTATIC ADAPTER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243039	Ref	Transmission Hydrostatic Adapter Installation	B
1	0701026	12	Bolt, M10X90	
2	3931616	8	Bolt 3/8-16X1	
3	4812000	11	Washer, M10	
4	1001025750	1	Clip	
5	1001256526	1	Gear, HY-Stat Dual Drive	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-38. REMOTE OIL FILTER INSTALLATION



ART_1001244046-C

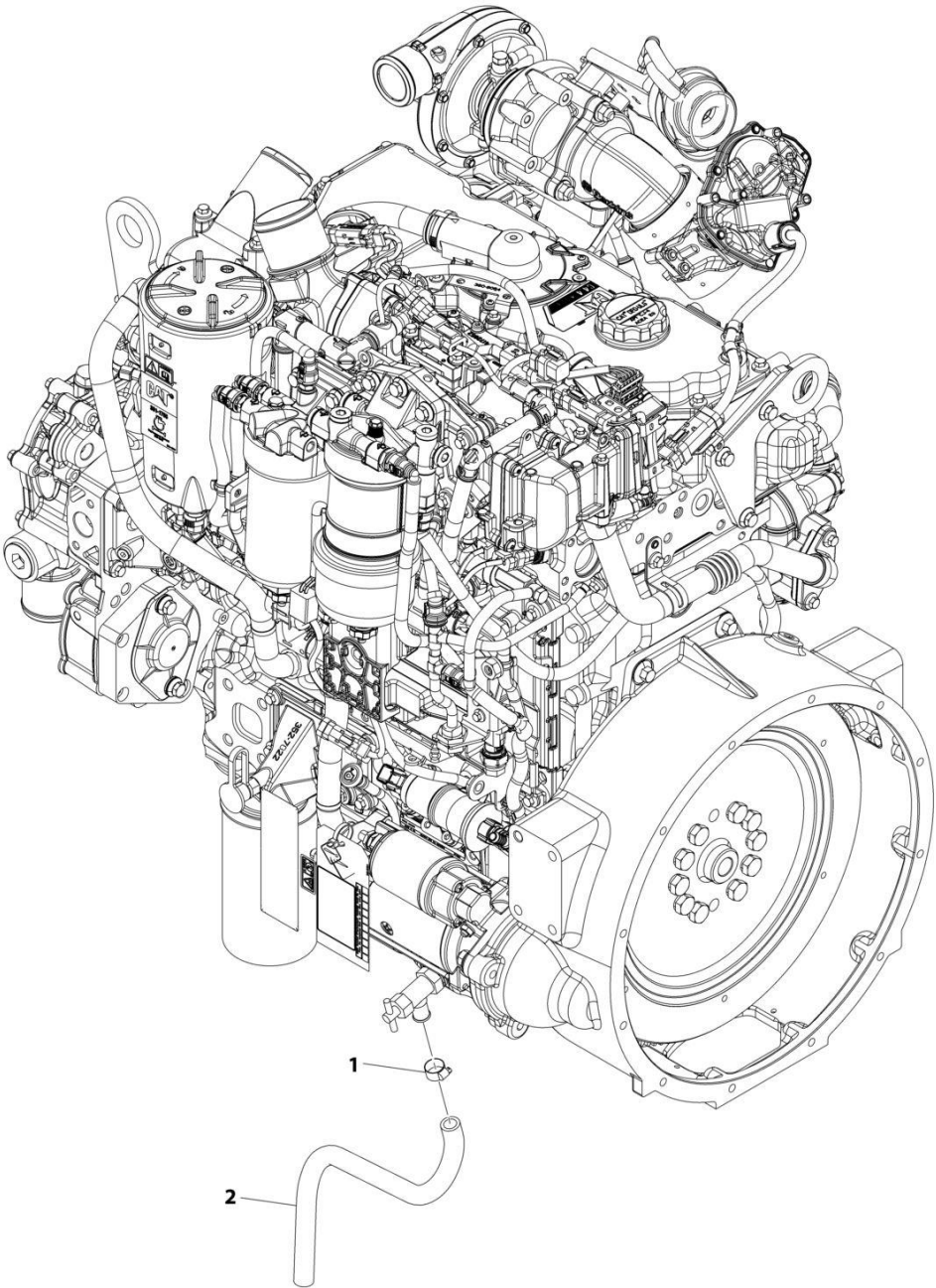
SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-38. REMOTE OIL FILTER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244046	Ref	Remote Oil Filter Installation	C
1	0700812	4	Bolt, M8X25	
2	0700821	1	Bolt, M8X65	
3	0761214	3	Bolt, M8X30	
4	4812100	3	Washer, 12mm	
5	4831900	4	Washer, Lock M8	
6	8750024	1	Clamp Set	
7	8750025	1	Cover Plate	
8	1001246178	1	Bracket	
9	4811900	1	Washer, 8mm	

SECTION 4 - ENGINE AND ATTACHING PARTS

FIGURE 4-39. OIL DRAIN HOSE INSTALLATION



ART_1001173344-C

SECTION 4 - ENGINE AND ATTACHING PARTS

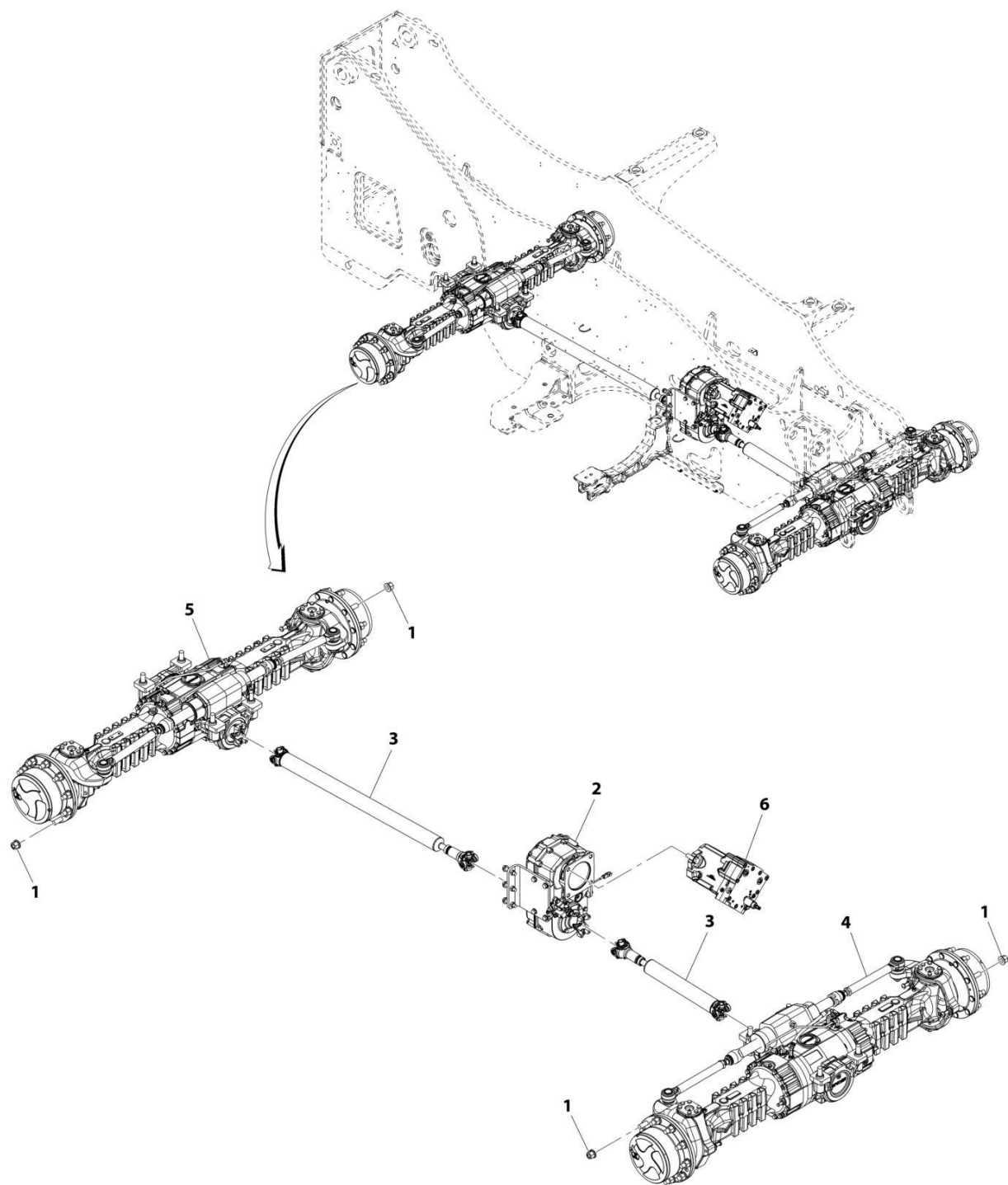
FIGURE 4-39. OIL DRAIN HOSE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001173344	Ref	Oil Drain Hose Installation	C
1	8410009	1	Gear Clamp	
2	1001213237	1	Hose	

SECTION 5 - DRIVE TRAIN

SECTION 5 - DRIVE TRAIN

FIGURE 5-1. DRIVETRAIN INSTALLATION



ART_1001203799-A

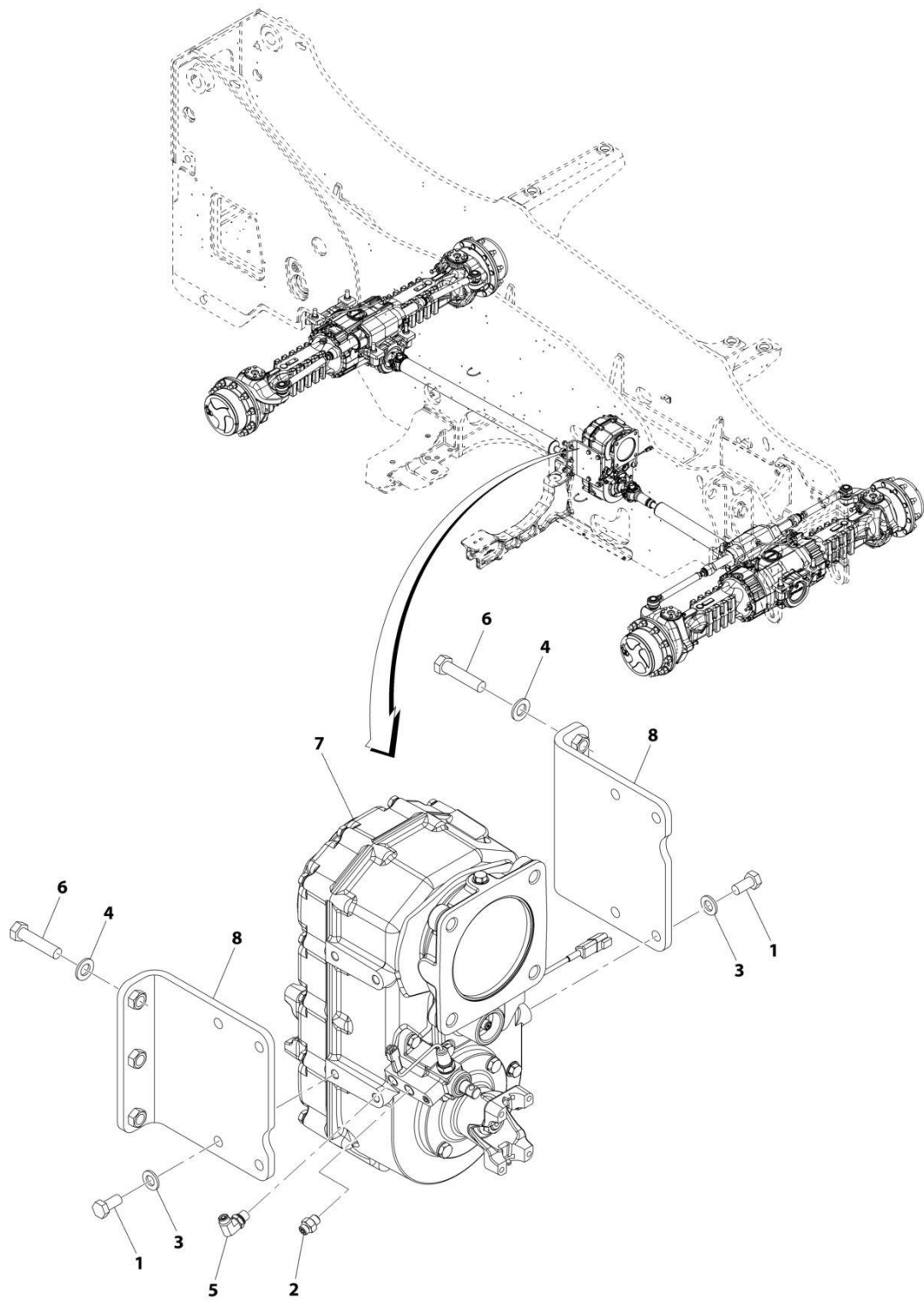
SECTION 5 - DRIVE TRAIN

FIGURE 5-1. DRIVETRAIN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001203799	Ref	Drivetrain Installation	A
1	91403193	40	Nut, Lug M22X1.5	
2	1001203796	1	Installation, Gearbox (See Separate Breakdown in this Section)	
3	1001203798	1	Installation, Drive Shaft (See Separate Breakdown in this Section)	
4	1001244031	1	Installation, Front Axle (See Separate Breakdown in this Section)	
5	1001244032	1	Installation, Rear Axle (See Separate Breakdown in this Section)	
6	1001244340	1	Installation, Hydraulic Motor (See Separate Breakdown in this Section)	

SECTION 5 - DRIVE TRAIN

FIGURE 5-2. GEARBOX INSTALLATION



ART_1001203796-A

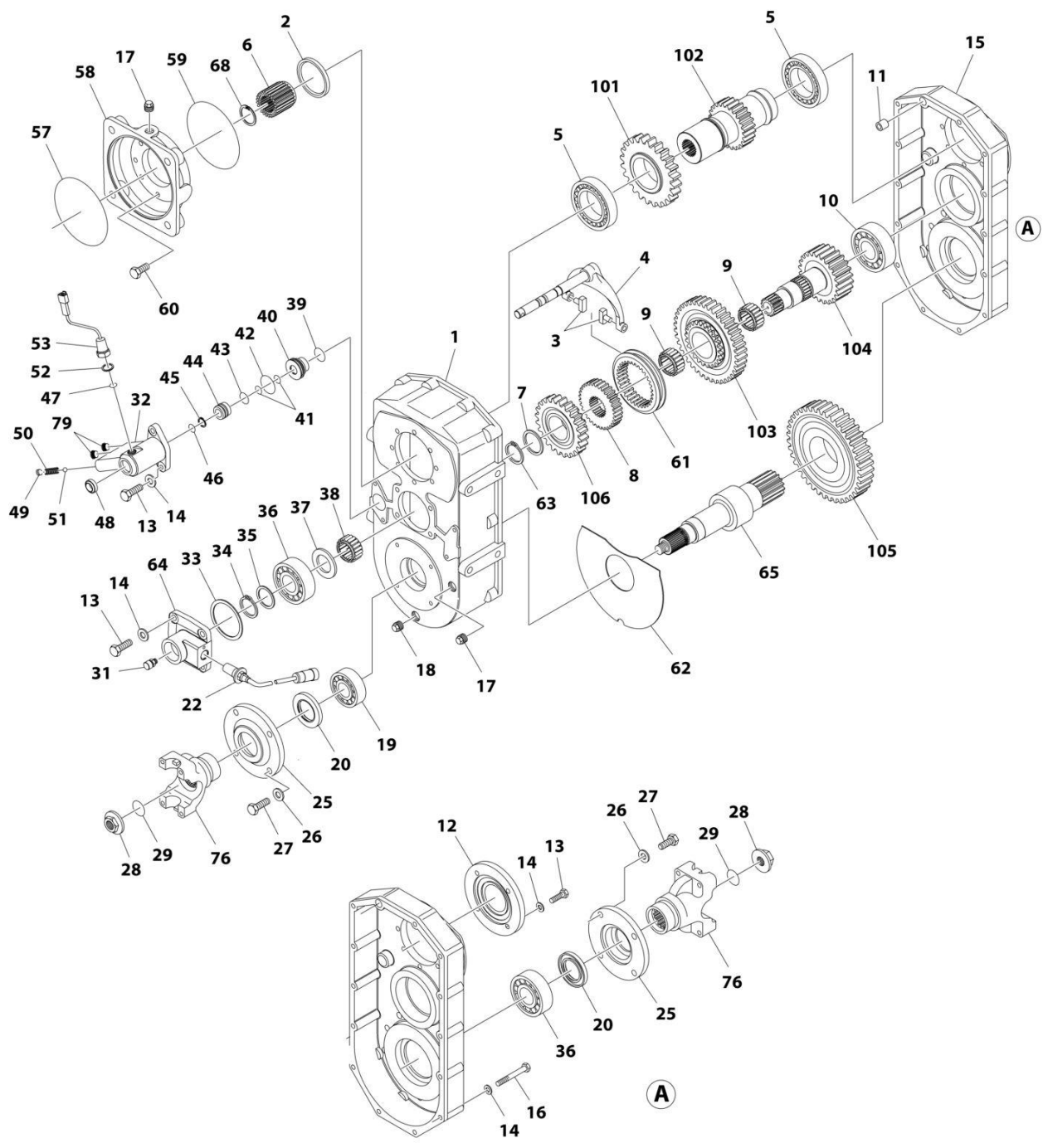
SECTION 5 - DRIVE TRAIN

FIGURE 5-2. GEARBOX INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001203796	Ref	Gearbox Installation	A
1	0771414	8	Bolt, M14X30	
2	2144603	1	Fitting, Straight ORFS	
3	5241400	8	Washer, M14	
4	5241600	6	Washer, M16	
5	8770241	1	Fitting, 90 ORFS	
6	1001094516	6	Bolt, M16X70	
7	1001201150	Ref	Gearbox (See Separate Breakdown in this Seciton)	
8	1001245691	2	Bracket	

SECTION 5 - DRIVE TRAIN

FIGURE 5-3. GEARBOX ASSEMBLY



ART_1001201150

SECTION 5 - DRIVE TRAIN

FIGURE 5-3. GEARBOX ASSEMBLY

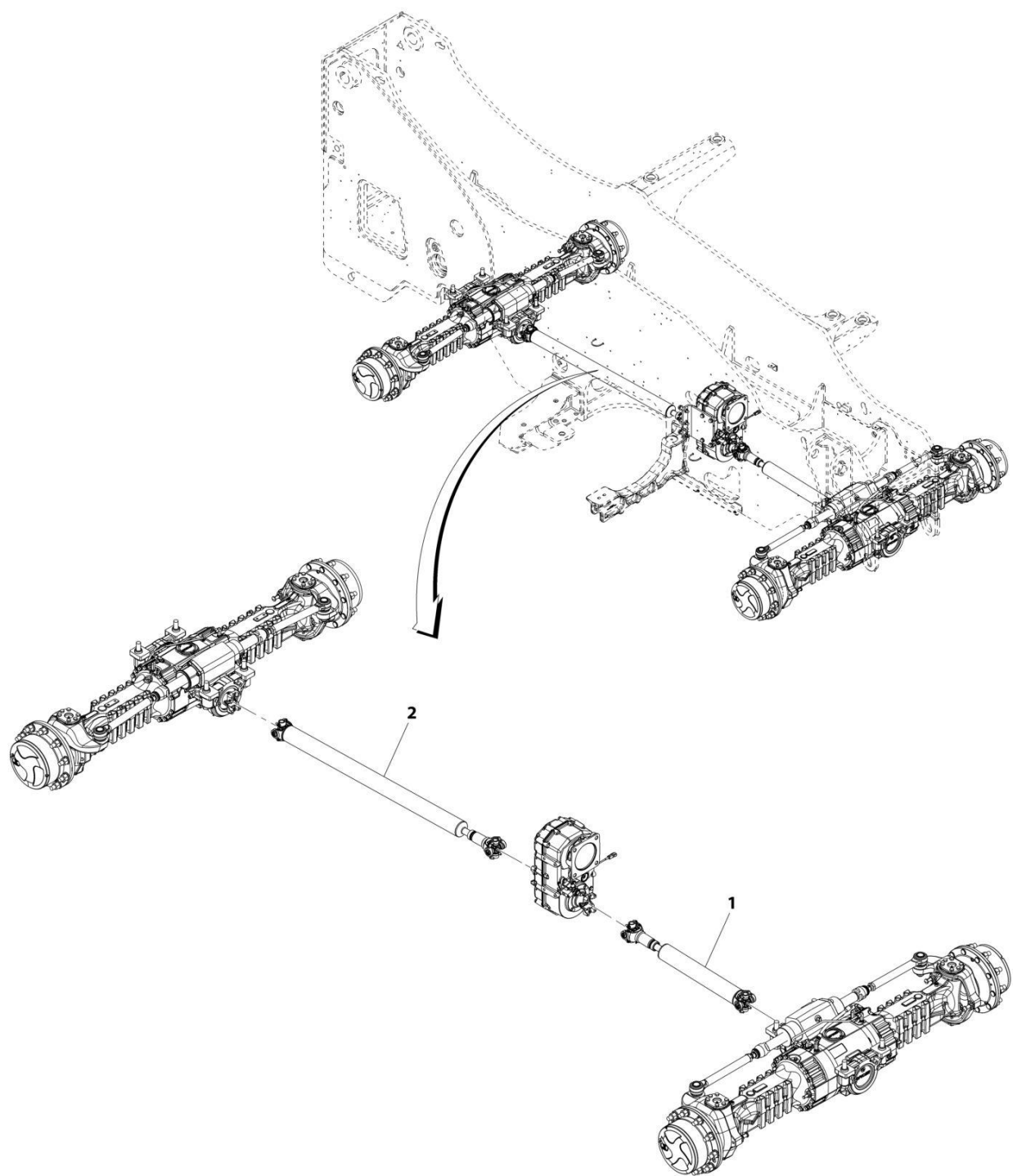
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001201150	Ref	GEAR BOX	F
1	70030174	1	Housing	
2	80204180	1	Seal	
3	70028837	2	Sliding Pin	
4	70030175	1	Bar	
5	80204178	2	Ball Bearing	
6	70030176	1	Bushing	
7	70030177	1	Friction Washer	
8	70030178	1	Guide Tube	
9	70030179	2	Needle Bearing	
10	70030180	1	Bearing	
11	8034661	2	Reduction Bushing	
12	70030181	1	Cover	
13	70030182	10	Bolt	
14	70030183	24	Spring Washer	
15	70030184	1	Cover	
16	70030185	14	Bolt	
17	80204016	2	Plug	
18	70028388	1	Plug	
19	91474364	1	Bearing	
20	70030186	2	Seal	
22	70026902	1	Sensor, Speed	
25	80204202	2	Cover	
26	80204147	8	Spring Washer	
27	70030187	8	Bolt	
28	80204213	2	Nut	
29	80204215	2	O-Ring	
31	70030188	1	Vent	
32	70030189	1	Cylinder	
33	80204207	1	Shim	
33	80204208	1	Shim	
34	70029283	1	Circlip	
35	70030190	1	Shim	
36	70030191	2	Roller Bearing	
37	70030192	1	Friction Washer	
38	70030193	1	Needle Bearing	
39	70026924	1	O-Ring	
40	70030194	1	Reduction Bushing	
41	80204168	2	O-Ring	
42	70026918	1	O-Ring	
43	70028820	1	O-Ring	
44	70030195	1	Piston	
45	70030196	1	Circlip	
46	70026922	1	O-Ring	
47	80204176	1	O-Ring	
48	70026915	1	Seal	
49	70026923	1	Bolt, Grub	
50	80203021	1	Spring	
51	70020276	1	Detend Ball	
52	80203020	1	Seal Washer	

SECTION 5 - DRIVE TRAIN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
53	70028830	1	Switch, Gear	
57	70030197	1	O-Ring	
58	70030198	1	Cover	
59	80204254	1	O-Ring	
60	70030199	8	Bolt	
61	70028828	1	Selector Sleeve	
62	70030200	1	Cover Plate	
63	70030201	1	Circlip	
64	70030202	1	Cover	
65	70030203	1	Output Shaft	
68	70030204	1	Circlip	
76	70030205	2	Flange	
79	91514154	2	Plug W/ Seal Washer	
101	70030206	1	Gear	
102	70030207	1	Input Shaft	
103	70030208	1	Gear	
104	70030209	1	Shaft	
105	70030210	1	Gear	
106	70030211	1	Gear	

SECTION 5 - DRIVE TRAIN

FIGURE 5-4. DRIVE SHAFT INSTALLATION



ART_1001203798-A

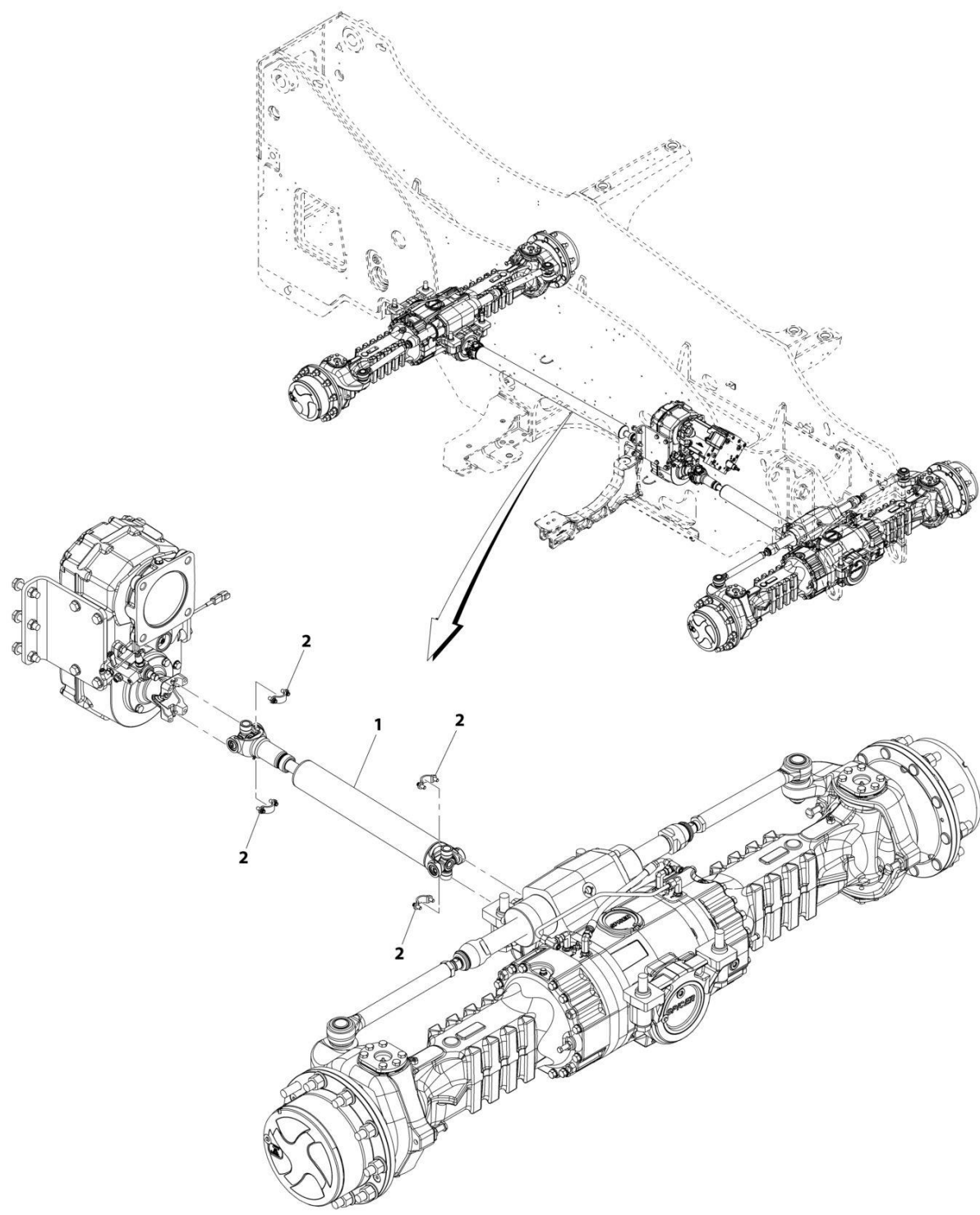
SECTION 5 - DRIVE TRAIN

FIGURE 5-4. DRIVE SHAFT INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001203798	Ref	Drive Shaft Installation	A
	1001244035	1	Installation, Front Drive Shaft (See Separate Breakdown in this Section)	
2	1001244036	1	Installation, Rear Drive Shaft (See Separate Breakdown in this Section)	

SECTION 5 - DRIVE TRAIN

FIGURE 5-5. FRONT DRIVESHAFT INSTALLATION



ART_1001244035-A

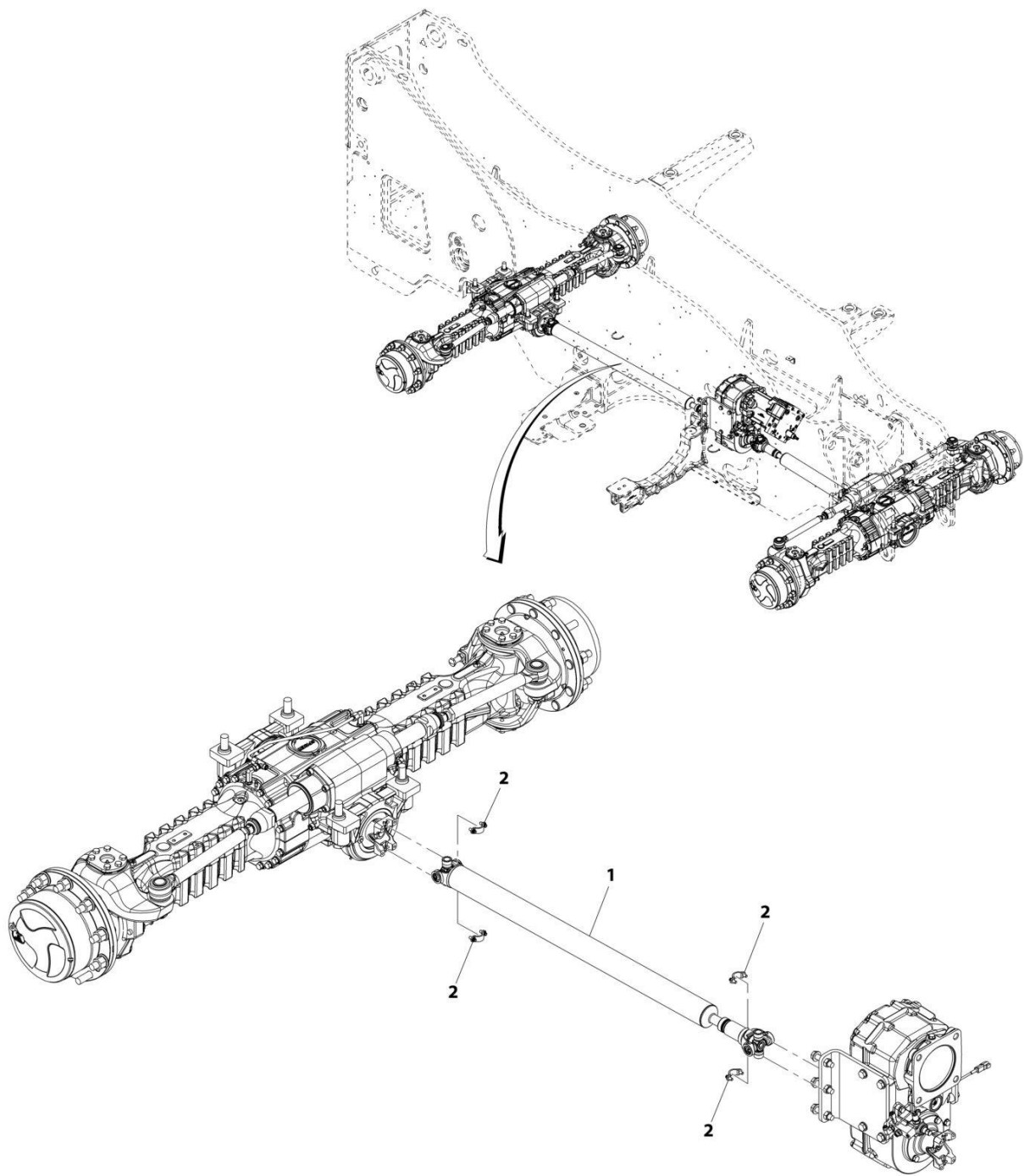
SECTION 5 - DRIVE TRAIN

FIGURE 5-5. FRONT DRIVESHAFT INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244035	Ref	Front Driveshaft Installation	A
1	1001203805	1	Drive Shaft, Front	
2	8880218-OM	2	Kit, Strap	

SECTION 5 - DRIVE TRAIN

FIGURE 5-6. REAR DRIVESHAFT INSTALLATION



ART_1001244036-A

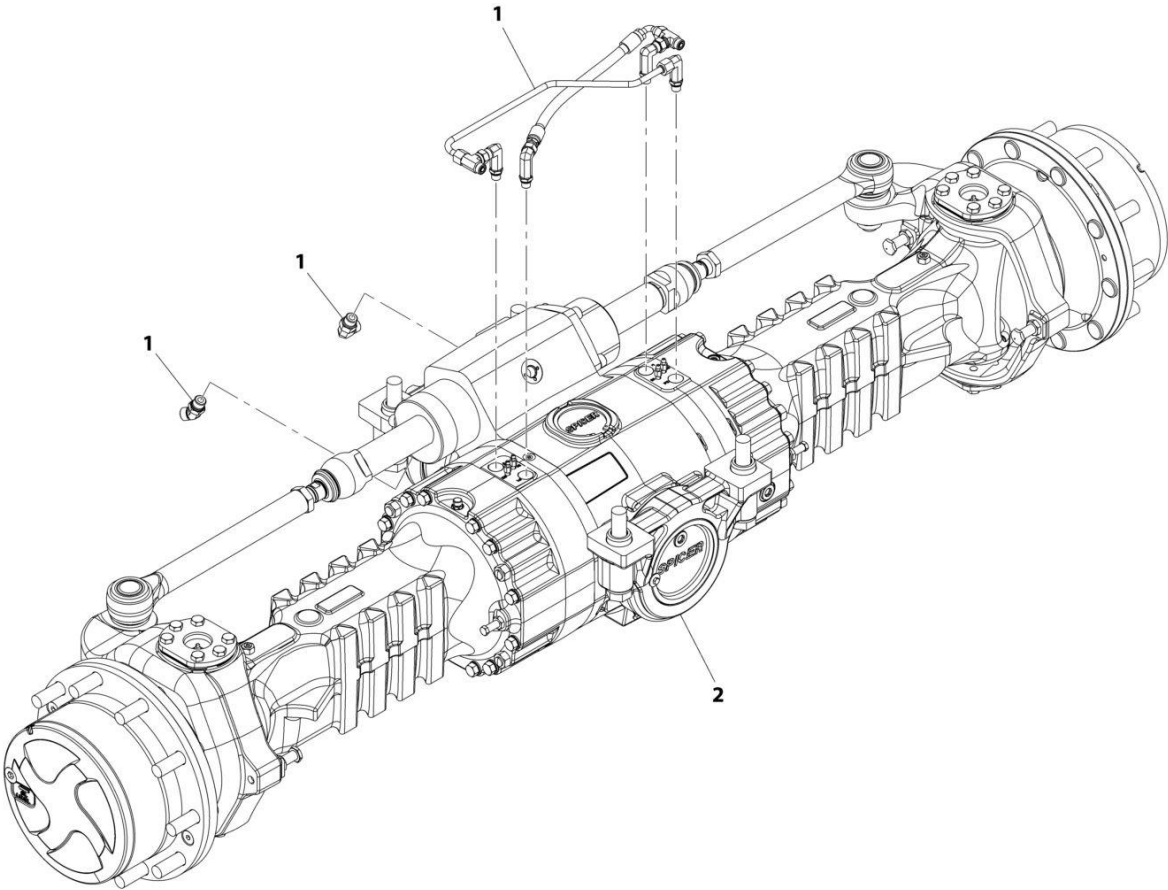
SECTION 5 - DRIVE TRAIN

FIGURE 5-6. REAR DRIVESHAFT INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244036	Ref	Rear Driveshaft Installation	A
1	1001203806	1	Drive Shaft, Rear	
2	8880218-OM	2	Kit, Strap	

SECTION 5 - DRIVE TRAIN

FIGURE 5-7. FRONT AXLE INSTALLATION



ART_1001244031-A

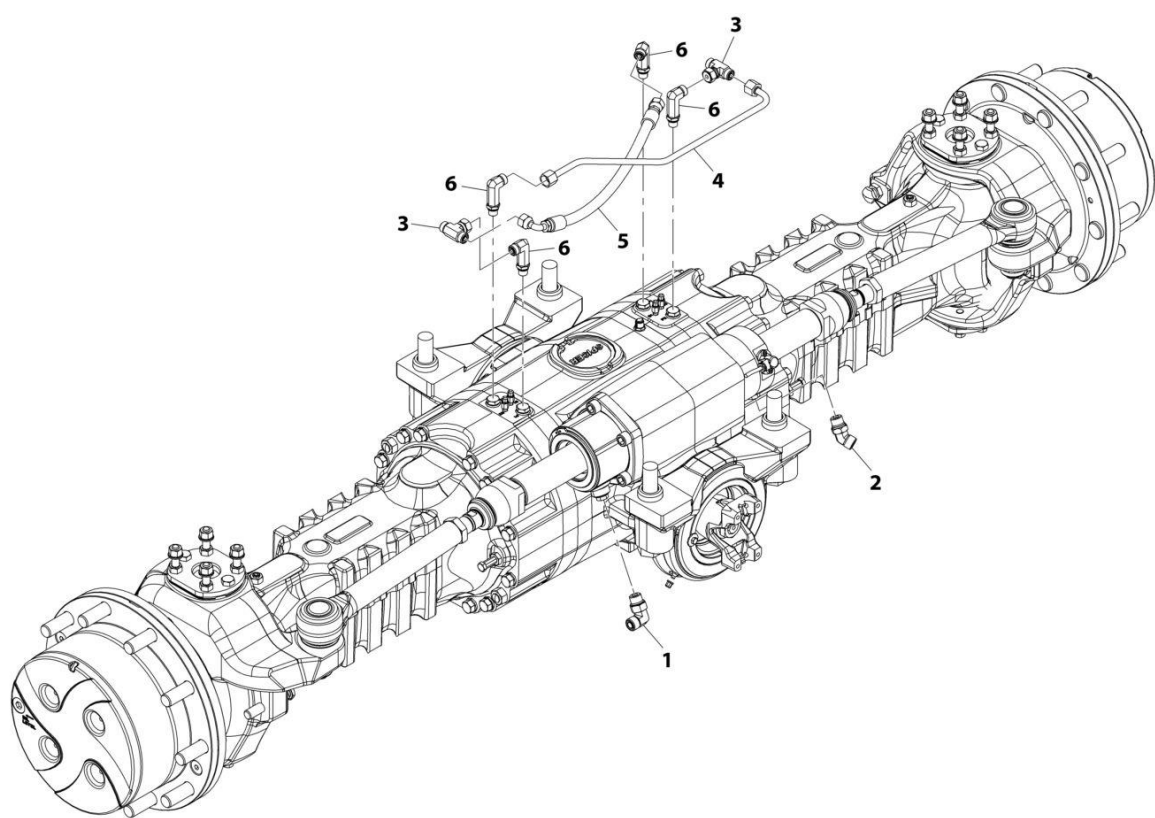
SECTION 5 - DRIVE TRAIN

FIGURE 5-7. FRONT AXLE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001244031	Ref	Front Axle Installation	A
	1001207898	1	Installation, Front Axle Lines (See Separate Breakdown in this Section)	
2	1001242962	1	Installation, Front Axle Mounting (See Separate Breakdown in this Section)	

SECTION 5 - DRIVE TRAIN

FIGURE 5-8. FRONT AXLE LINES INSTALLATION



ART_1001207898-C

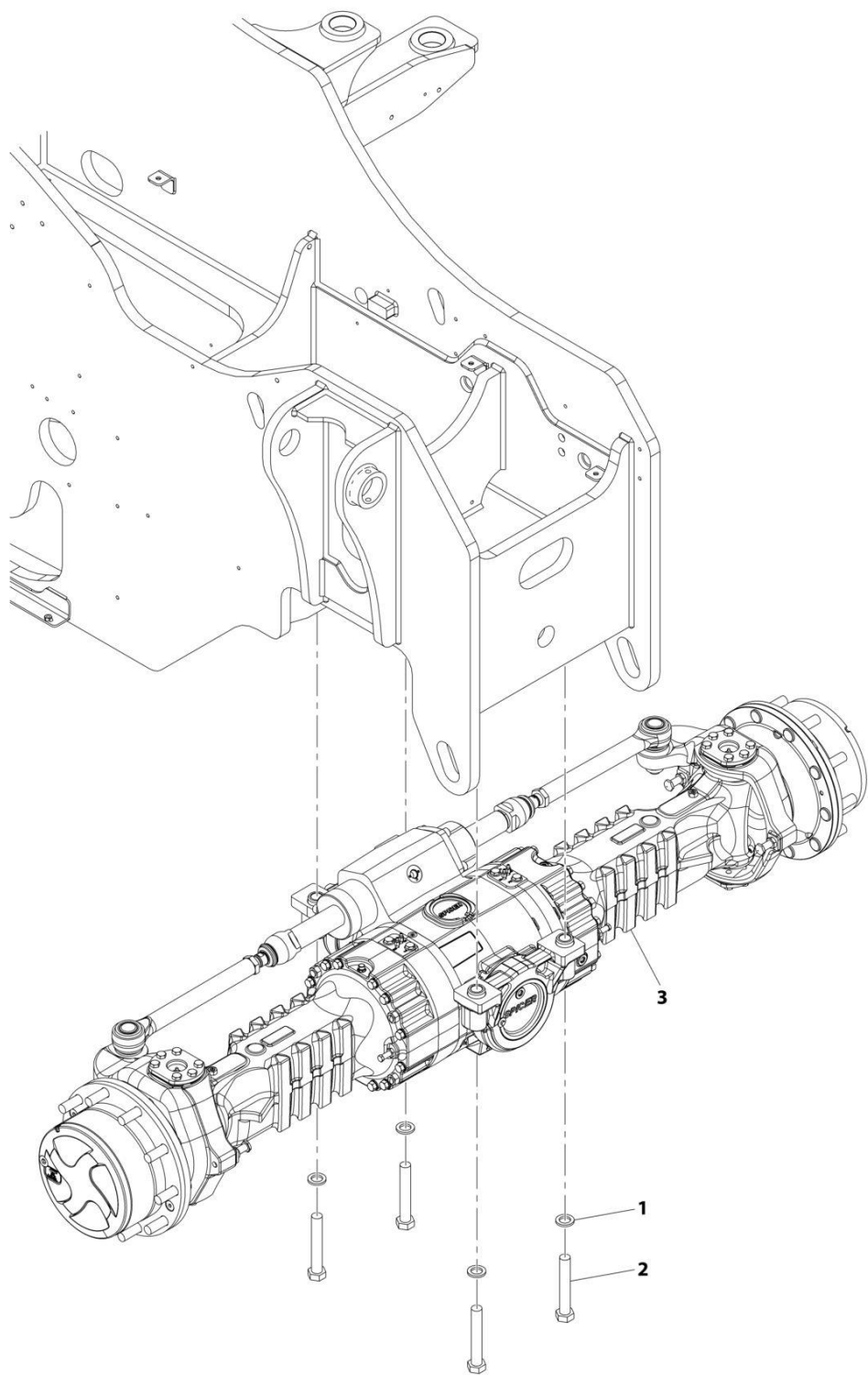
SECTION 5 - DRIVE TRAIN

FIGURE 5-8. FRONT AXLE LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001207898	Ref	Front Axle Lines Installation	C
1	2130808	1	Fitting, 90 ORFS	
2	2150808	1	Fitting, 45 ORFS	
3	2170806	2	Fitting, Tee ORFS	
4	1001224598	1	Tube	
5	1001210281	1	Hose	
6	1001210769	4	Fitting, 90 ORFS	

SECTION 5 - DRIVE TRAIN

FIGURE 5-9. FRONT AXLE MOUNTING INSTALLATION



ART_1001242962-A

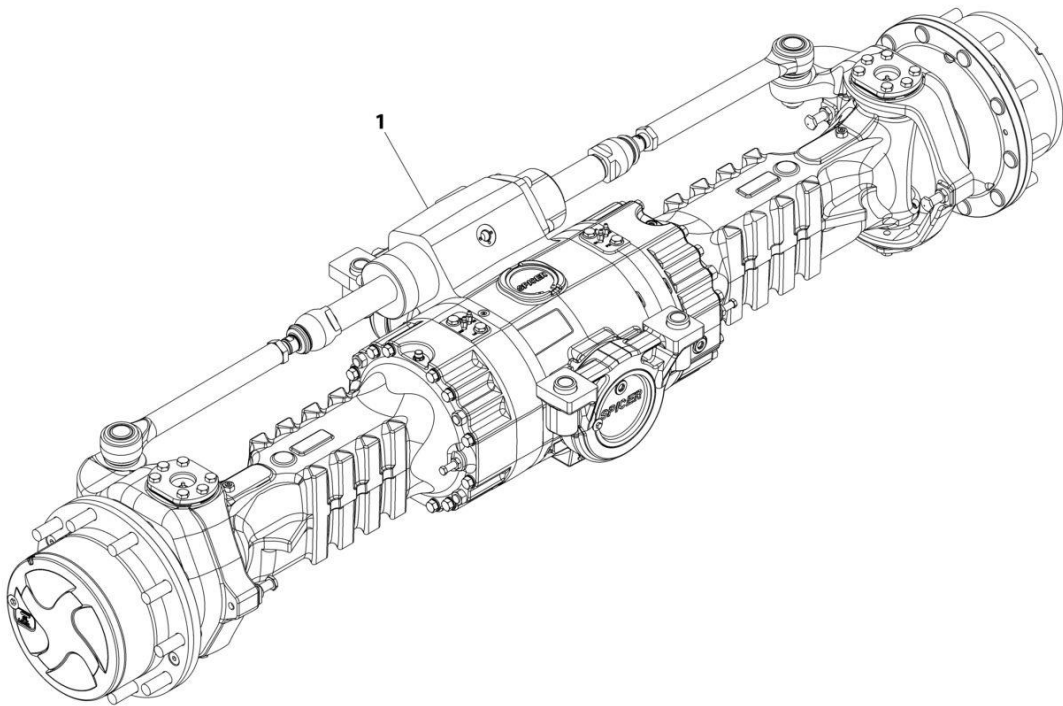
SECTION 5 - DRIVE TRAIN

FIGURE 5-9. FRONT AXLE MOUNTING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242962	Ref	Front Axle Mounting Installation	A
1	4892600	4	Washer	
2	1001097587	4	Bolt, M24-3X150	
3	1009715900	1	Axle, Front (See Separate Breakdown in this Section)	

SECTION 5 - DRIVE TRAIN

FIGURE 5-10. FRONT AXLE



ART_1009715900-E

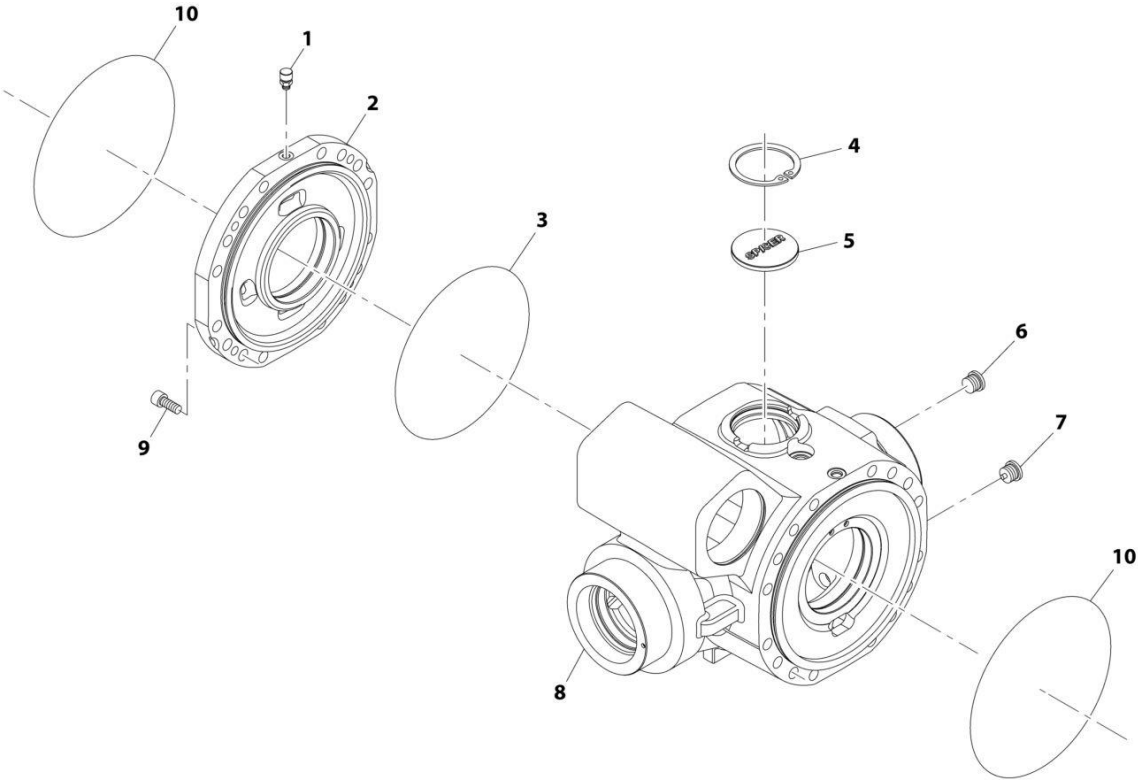
SECTION 5 - DRIVE TRAIN

FIGURE 5-10. FRONT AXLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1009715900	Ref	Front Axle	E
		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, Brakes (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)	

SECTION 5 - DRIVE TRAIN

FIGURE 5-11. FRONT AXLE, CENTRAL HOUSING



ART_1009715900-1

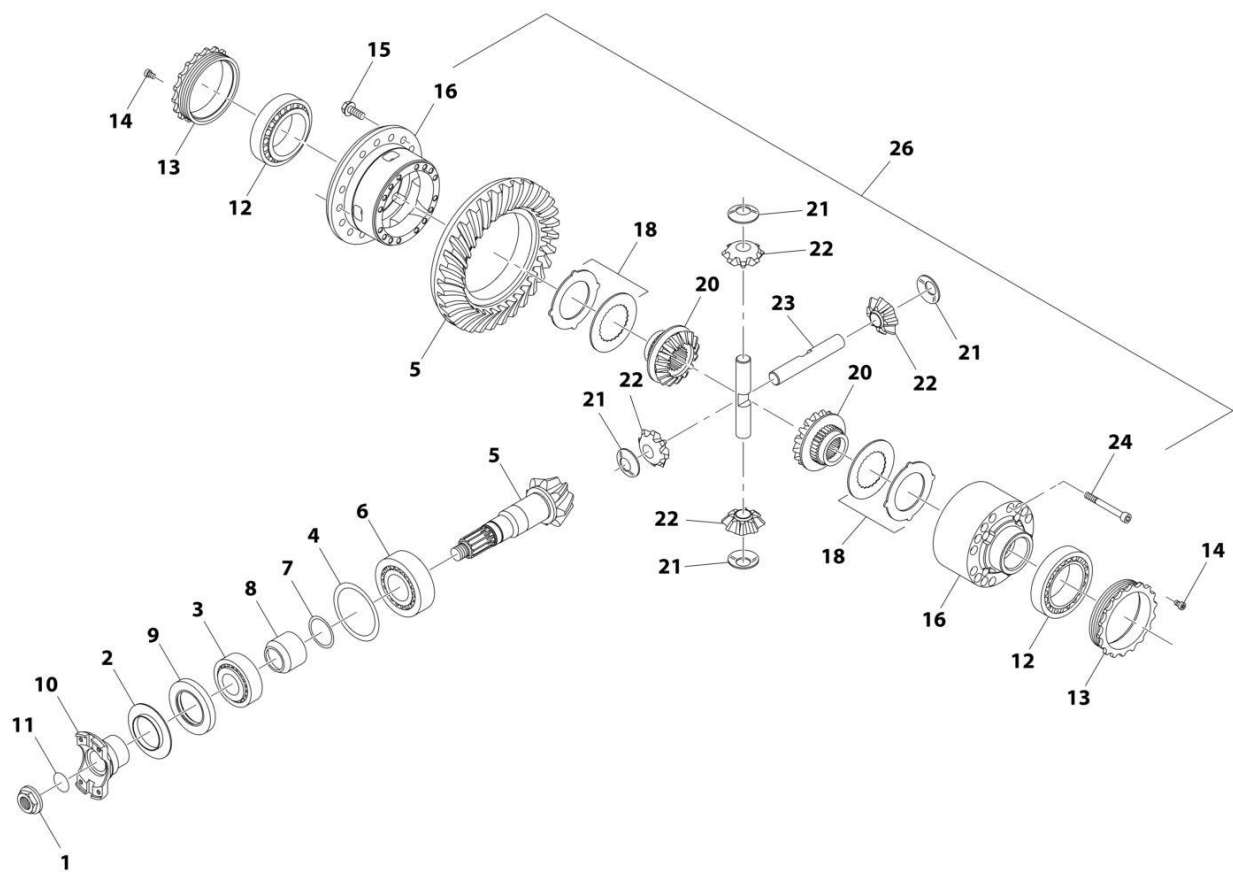
SECTION 5 - DRIVE TRAIN

FIGURE 5-11. FRONT AXLE, CENTRAL HOUSING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1009715900	Ref	Front Axle, Central Housing	E
1	91474512	1	Vent	
2	7029288	1	Cover, Intermediate	
3	80204002	1	O-Ring	
4	80204005	1	Circlip	
5	91514098	1	Plug	
6	70028389	1	Plug	
7	70028388	1	Plug	
8	70025335	1	Housing	
9	91514101	4	Bolt	
10	91514089	2	O-Ring	

SECTION 5 - DRIVE TRAIN

FIGURE 5-12. FRONT AXLE, DIFFERENTIAL



ART_1009715900-2

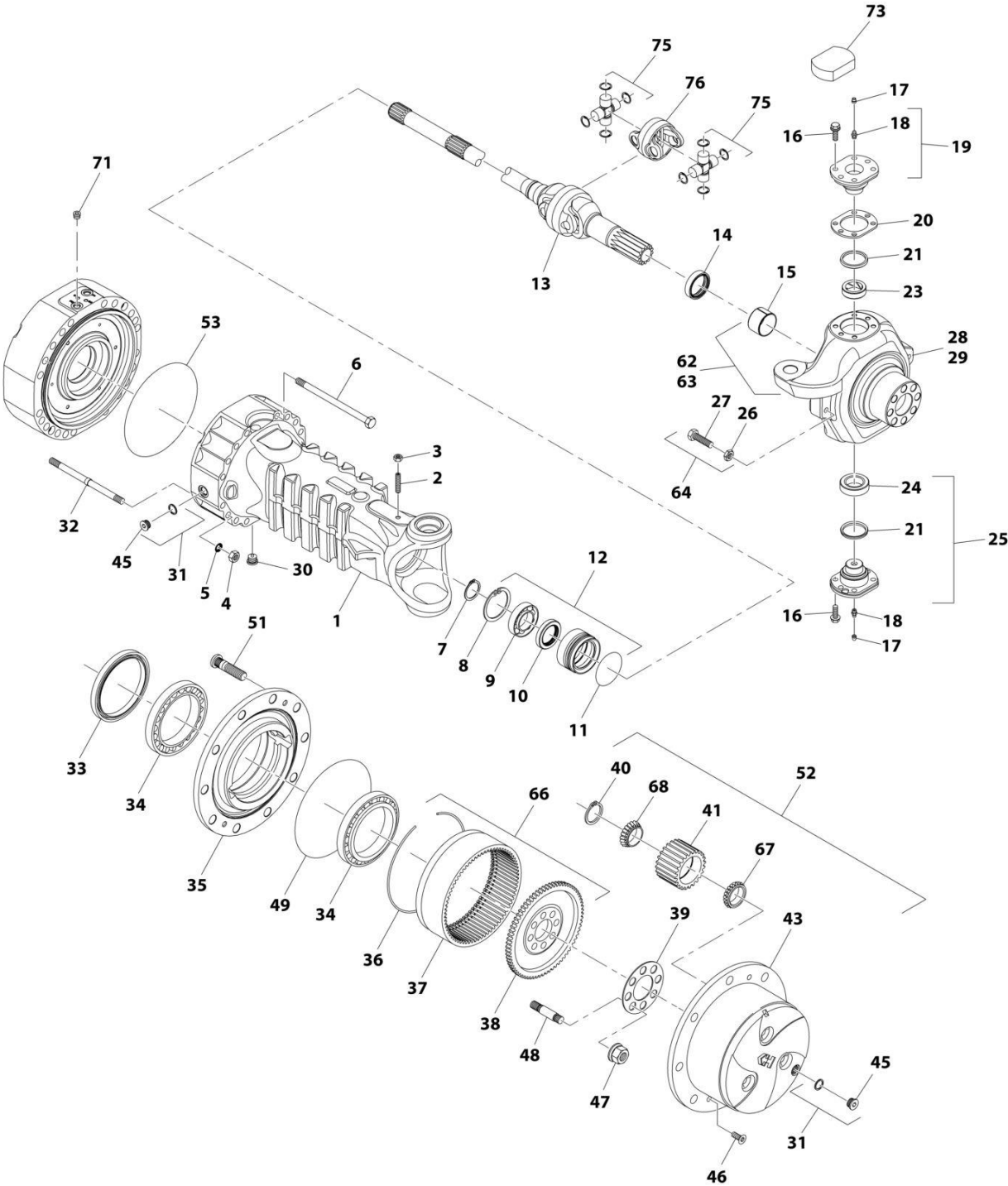
SECTION 5 - DRIVE TRAIN

FIGURE 5-12. FRONT AXLE, DIFFERENTIAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1009715900	Ref	Front Axle, Differential	E
1	80204043	1	Nut	
2	91514130	1	Plate, Cover	
3	70030024	1	Bearing, Tape Roller	
4	70029483	1	Shim	
5	70026255	1	Gear, Bevel Set	
6	80204035	1	Bearing, Tape Roller	
7	70023494	1	Ring	
8	70022140	1	Spacer	
9	70025887	1	Seal	
10	91514131	1	Flange	
11	10725554	1	O-Ring	
12	80204033	2	Bearing, Tape Roller	
13	91514133	2	Nut, Ring	
14	91514134	2	Bolt	
15	70025562	16	Bolt	
16	70024004	1	Carrier, Differential	
18	70026750	2	Clutch Disc	
20	70025856	2	Gear, Differential Side	
21	70027105	4	Washer	
22	70025339	4	Pinion, Differential	
23	70023490	2	Shaft, Differential	
24	91514143	15	Bolt	
26	70028390	1	Kit, Differential (Includes Items 16 & 20 thru 24)	

SECTION 5 - DRIVE TRAIN

FIGURE 5-13. FRONT AXLE, HUB REDUCTION



ART_1009715900-3

SECTION 5 - DRIVE TRAIN

FIGURE 5-13. FRONT AXLE, HUB REDUCTION

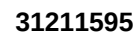
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1009715900	Ref	Front Axle, Hub Reduction	E
1	70024850	2	Case, Axle	
2	91514081	2	Bolt	
3	91514082	2	Nut	
4	91514083	8	Nut	
5	91514084	8	Washer	
6	7029309	24	Bolt	
7	80204071	2	Circlip	
8	80204005	2	Circlip	
9	91514146	2	Ball Bearing	
10	91514147	2	Seal	
11	91514148	2	O-Ring	
12	91514149	2	Kit, Reduction Bushing (Includes Items 8 thru 11)	
13	70025855	2	Joint, Double Universal	
14	70026238	2	Seal	
15	91514111	2	Thrust Bushing	
16	70025562	24	Bolt	
17	80204117	4	Plug	
18	70024881	4	Fitting, Grease	
19	91514112	2	Pin	
20	70025561	1	Shim	
21	7028716	4	Seal, Dust	
23	7028714	2	Bushing	
24	91514095	2	Bearing	
25	7028715	2	Pin	
26	80204065	4	Nut	
27	91514117	4	Bolt	
28	N.S.S.	1	Steer Case (LF, RR)	
29	N.S.S.	1	Steer Case (RF, LR)	
30	70028388	2	Plug	
31	91514188	2	Plug	
32	70024851	8	Stud	
33	70026002	2	Seal	
34	80204076	4	Bearing, Taper Roller	
35	91514174	2	Hub, Wheel	
36	91514175	2	Circlip	
37	70024147	2	Gear, Ring	
38	91514177	2	Support, Ring Gear	
39	91514178	2	Plate	
40	70028926	8	Snap Ring	
41	70028924	8	Pinion, Differential	
43	70029486	2	Carrier, Planet Gear	
45	70028389	2	Plug	
46	91514189	4	Bolt, Countersunk	
47	91514179	16	Nut	
48	91514180	16	Stud	
49	91514181	2	O-Ring	
51	91514183	20	Wheel Stud	
52	70029454	2	Assembly, Planet Gear Carrier (Includes Items 40, 41, 43, 67 & 68)	
53	91514089	2	O-Ring	

SECTION 5 - DRIVE TRAIN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
62	70030025	1	Assembly, Steer Case (LF, RR) (Includes Items 15 & 28)	
63	70030026	1	Assembly, Steer Case (RF, LR) (Includes Items 15 & 29)	
64	7028733	4	Bolt, Steering Adjust	
66	70024146	2	Kit, Ring Gear Support (Includes Items 36 thru 38)	
67	70028923	8	Tapered Roller Bearing	
68	70028922	8	Tapered Roller Bearing	
71	80204012	2	Plug	
73	70028392	2	Cover	
75	70023829	2	Cross Kit	
76	70023116	1	Center Body	

320

1075



ART_1009715900-4

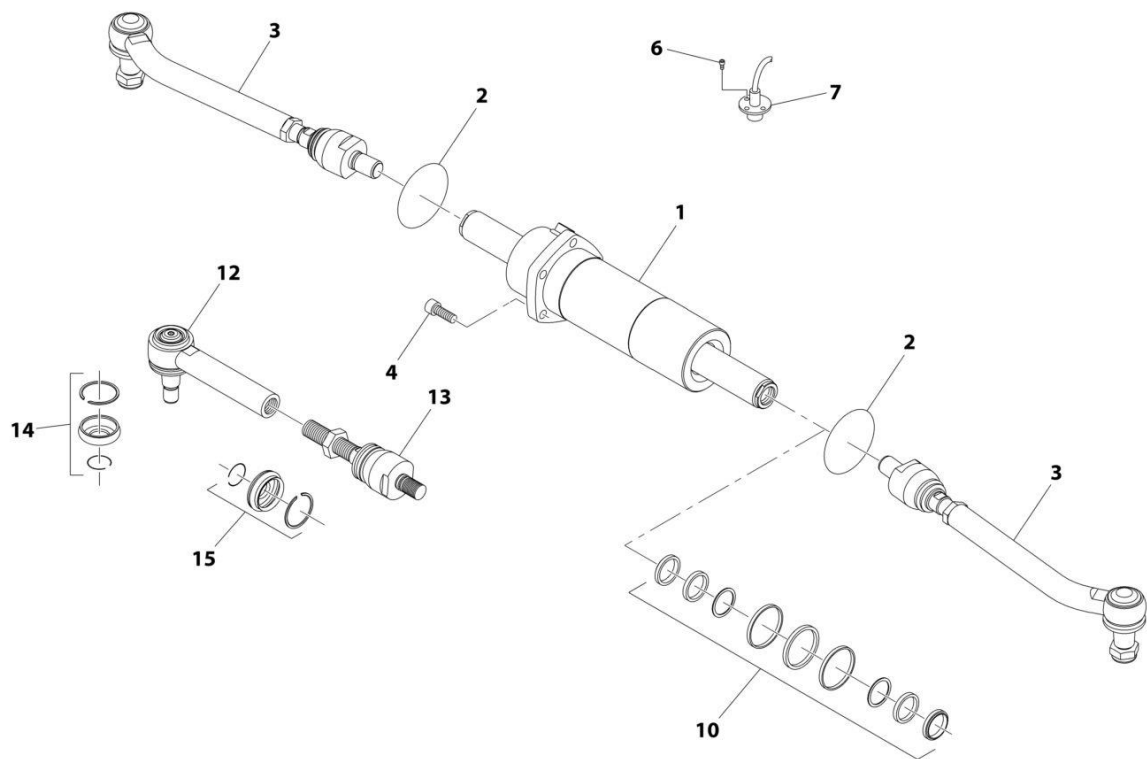
SECTION 5 - DRIVE TRAIN

FIGURE 5-14. FRONT AXLE, BRAKES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1009715900	Ref	Front Axle, Brakes	E
1	91514151	2	Washer	
2	91514089	2	O-Ring	
3	70027092	2	Piston	
4	70026262	4	Seal	
5	10725627	4	Bolt, Bleeding	
6	80204117	4	Plug	
7	91514154	2	Plug With Seal	
8	N.S.S.	4	Seal	
9	91514154	2	Plug With Seal	
10	70026263	2	Seal	
11	70027796	2	Piston	
12	91514159	6	Spring	
13	70024210	6	Bolt, Adjusting	
14	70027022	6	Disc, Intermediate Brake	
15	7029735	6	Disc, Brake	
16	7029734	2	Bushing, Reduction	
17	7029787	6	Bolt, Adjusting	
18	70027317	6	Spring	
19	70024849	2	Disc, Intermediate Brake	
20	70024848	2	Cover	
23	70026264	2	Spacer	
24	70025970	1	Shim	
25	80204108	4	Washer, Lock	
26	80204060	4	Nut	
27	70024213	4	Bolt	
28	70024215	4	Dowel	

SECTION 5 - DRIVE TRAIN

FIGURE 5-15. FRONT AXLE, STEERING



ART_1009715900-5

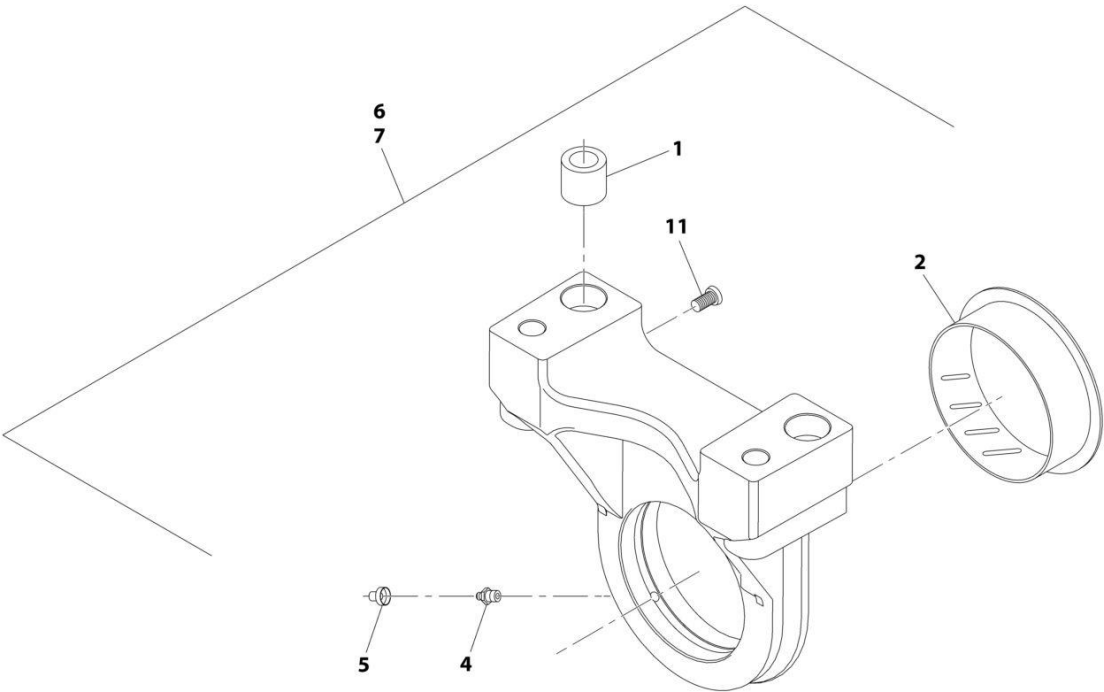
SECTION 5 - DRIVE TRAIN

FIGURE 5-15. FRONT AXLE, STEERING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1009715900	Ref	Front Axle, Steering	E
1	70030027	1	Cylinder	
2	80204143	2	O-Ring	
3	70026753	2	Tie Rod	
4	80204144	5	Bolt	
6	8008175	3	Bolt	
7	70030028	1	Sensor	
10	7029127	1	Kit, Seal	
12	70028465	1	Joint, 90	
13	70028466	1	Axial Joint Shaft	
14	70028467	1	Rubber Boot and Locking Ring Kit	
15	70028468	1	Rubber Boot and Locking Ring Kit	

SECTION 5 - DRIVE TRAIN

FIGURE 5-16. FRONT AXLE, TRUNION



ART_1009715900-6

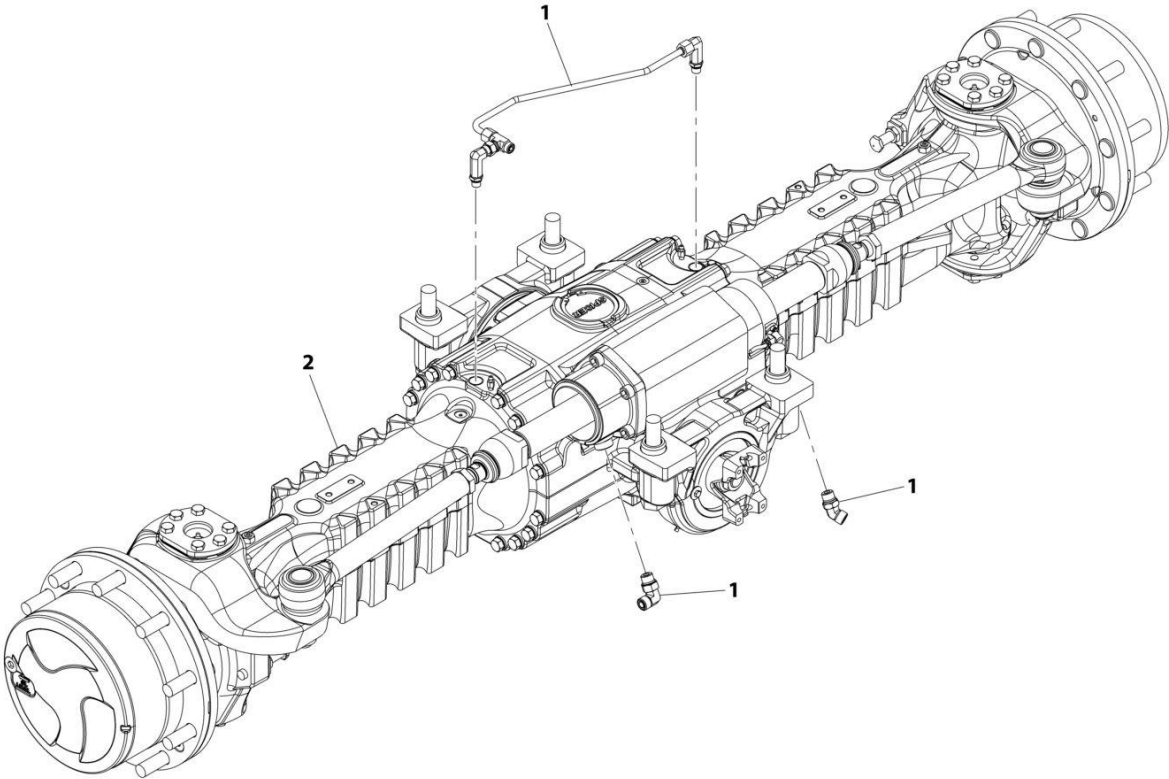
SECTION 5 - DRIVE TRAIN

FIGURE 5-16. FRONT AXLE, TRUNION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1009715900	Ref	Front Axle, Trunion	E
1	7029290	4	Bushing	
2	91514090	2	Thrust Bushing	
4	70024881	2	Grease Fitting	
5	80204117	2	Plug	
6	70026266	1	Support Assembly	
7	70026265	1	Support Assembly	
11	70025884	2	Bolt	

SECTION 5 - DRIVE TRAIN

FIGURE 5-17. REAR AXLE INSTALLATION



ART_1001244032-A

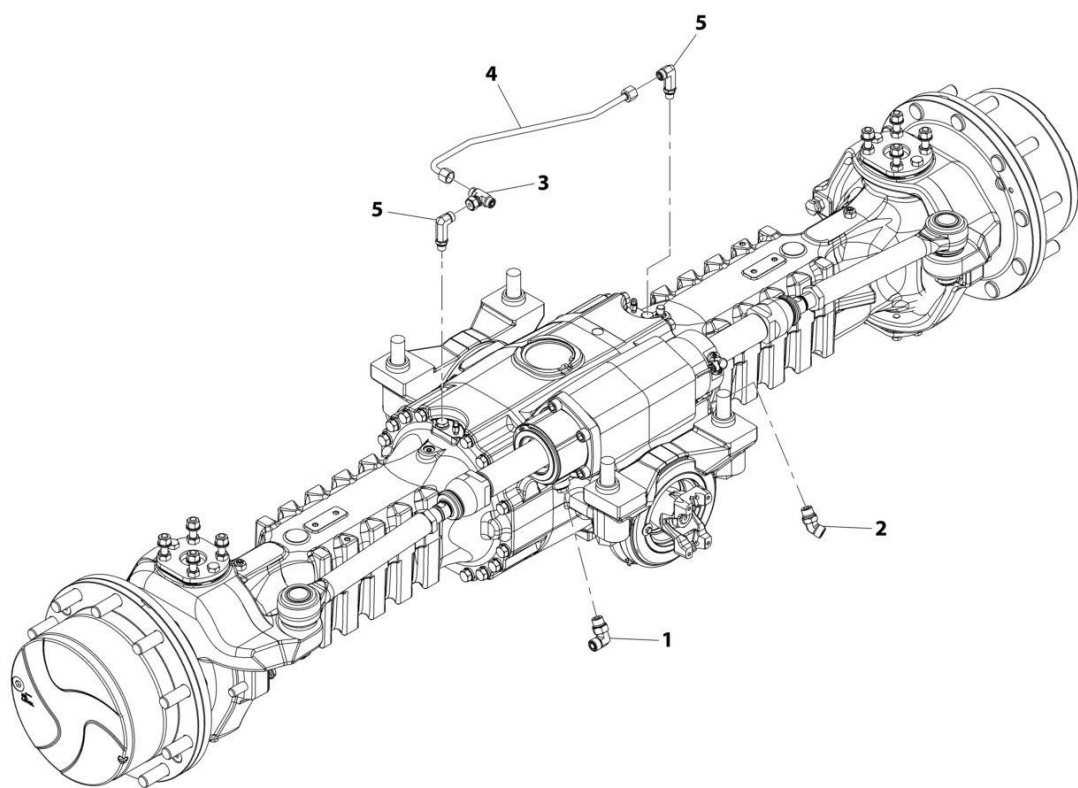
SECTION 5 - DRIVE TRAIN

FIGURE 5-17. REAR AXLE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001244032	Ref	Rear Axle Installation	A
	1001207899	1	Installation, Rear Axle Lines (See Separate Breakdown in this Section)	
2	1001242963	1	Installation, Rear Axle Mounting (See Separate Breakdown in this Section)	

SECTION 5 - DRIVE TRAIN

FIGURE 5-18. REAR AXLE LINES INSTALLATION



ART_1001207899-C

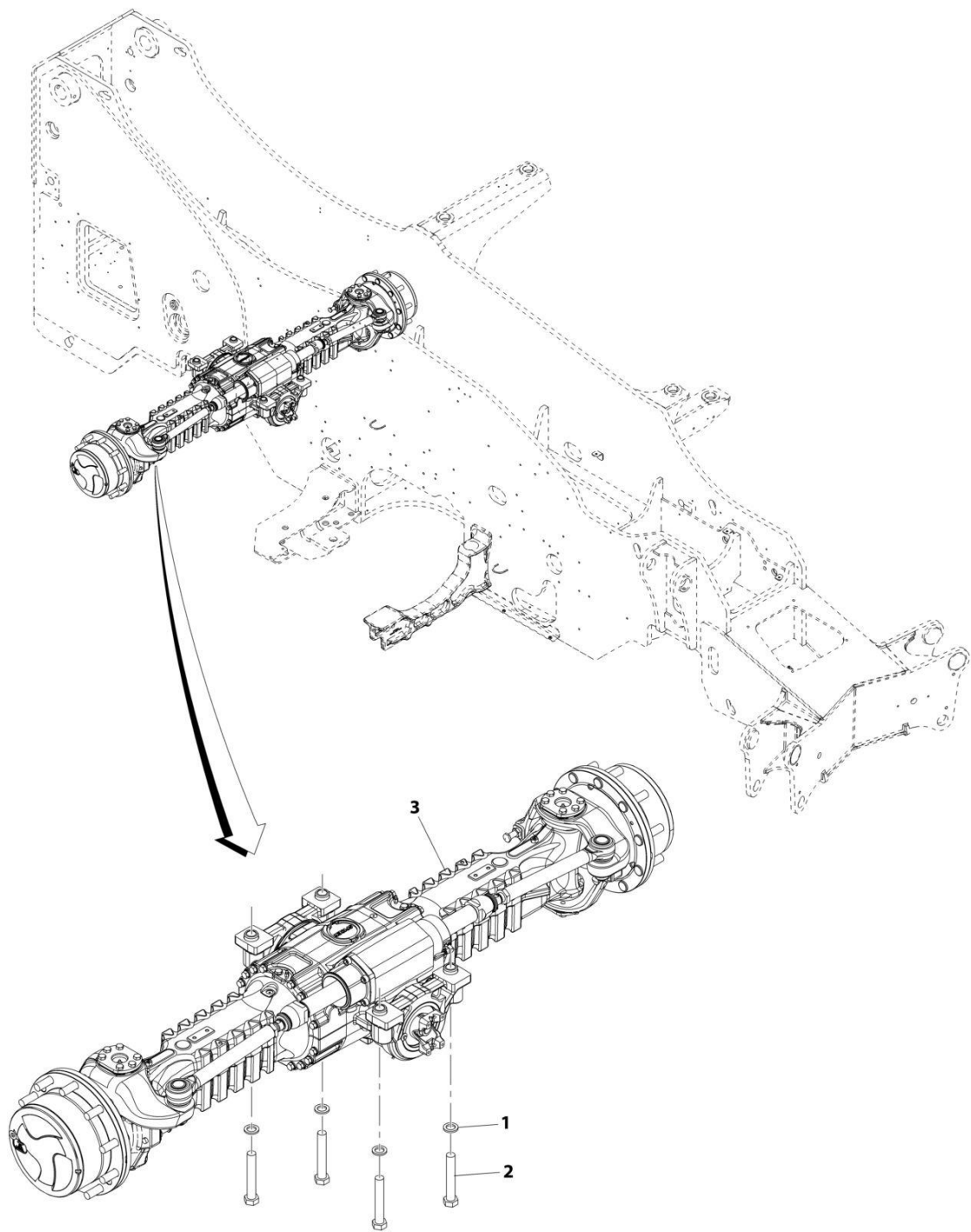
SECTION 5 - DRIVE TRAIN

FIGURE 5-18. REAR AXLE LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001207899	Ref	Rear Axle Lines Installation	C
1	2130808	1	Fitting, 90 ORFS	
2	2150808	1	Fitting, 45 ORFS	
3	2170806	1	Fitting, Tee ORFS	
4	1001224938	1	Tube	
5	1001210769	2	Fitting, 90 ORFS	

SECTION 5 - DRIVE TRAIN

FIGURE 5-19. REAR AXLE MOUNTING INSTALLATION



ART_1001242963-A

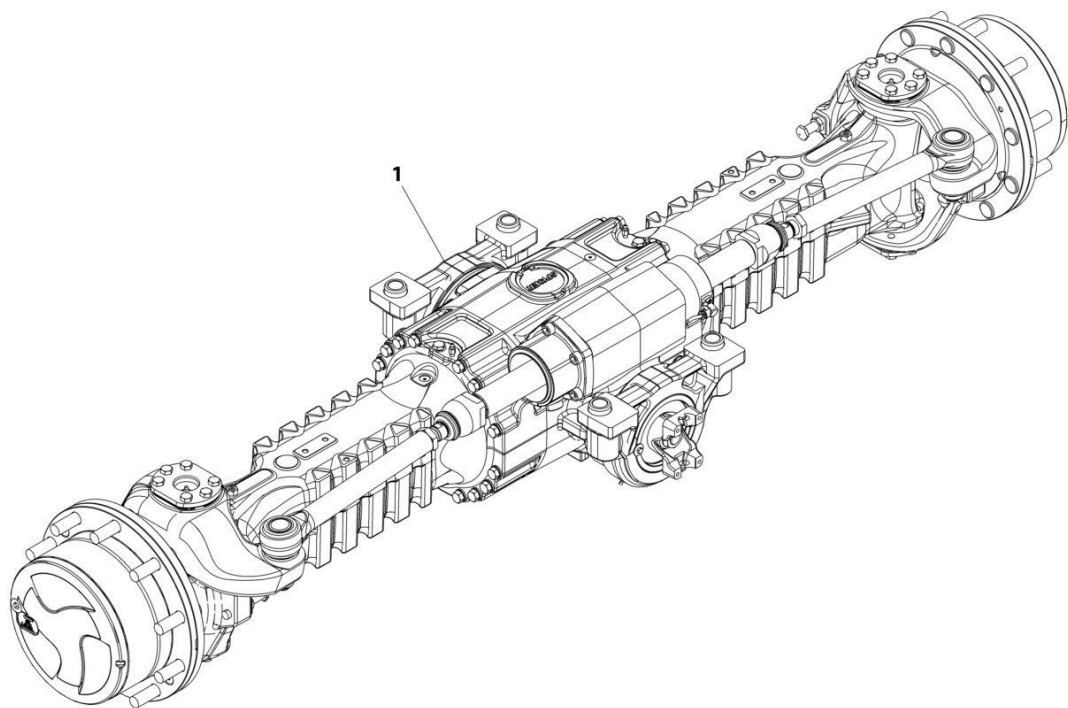
SECTION 5 - DRIVE TRAIN

FIGURE 5-19. REAR AXLE MOUNTING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242963	Ref	Rear Axle Mounting Installation	A
1	4892600	4	Washer	
2	1001097587	4	Bolt, M24-3X150	
3	1009716000	1	Axle, Rear (See Separate Breakdown in this Section)	

SECTION 5 - DRIVE TRAIN

FIGURE 5-20. REAR AXLE



ART_1009716000-A

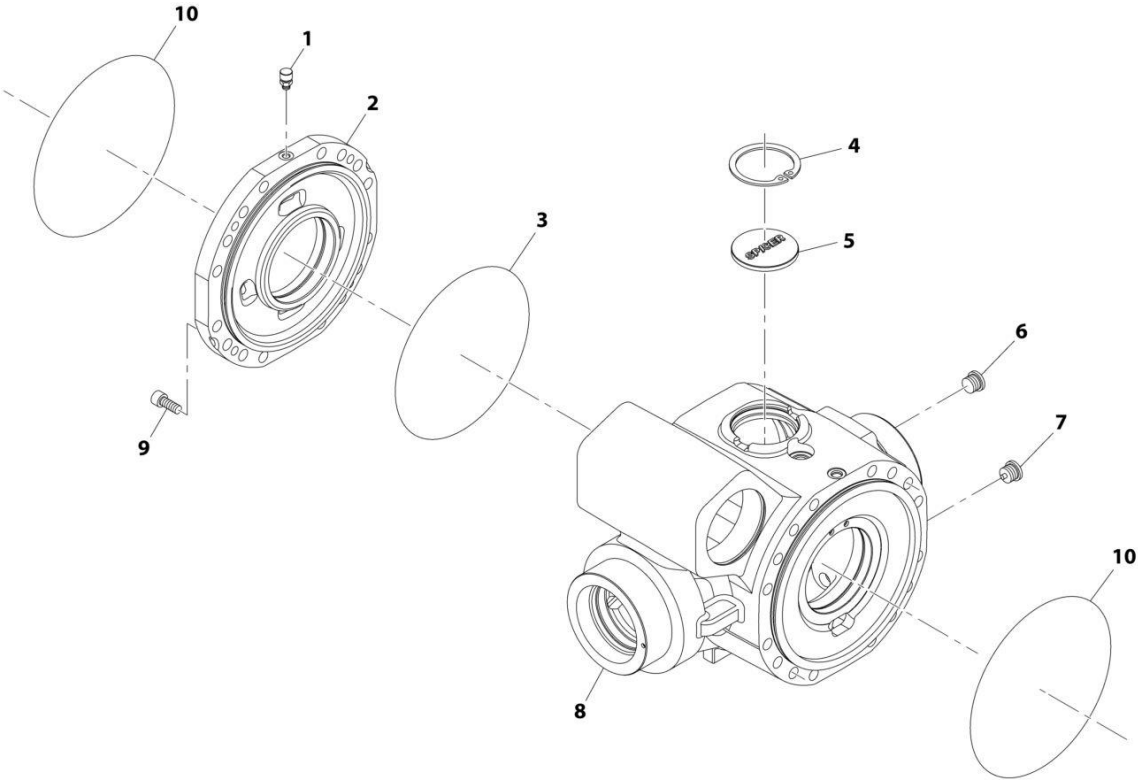
SECTION 5 - DRIVE TRAIN

FIGURE 5-20. REAR AXLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1009716000	Ref	Rear Axle	E
		Ref	Rear Axle, Central Housing (See Separate Breakdown in this Section)	
		Ref	Rear Axle, Differential (See Separate Breakdown in this Section)	
		Ref	Rear Axle, Hub Reduction (See Separate Breakdown in this Section)	
		Ref	Rear Axle, Brakes (See Separate Breakdown in this Section)	
		Ref	Rear Axle, Steering (See Separate Breakdown in this Section)	
		Ref	Rear Axle, Trunnion (See Separate Breakdown in this Section)	

SECTION 5 - DRIVE TRAIN

FIGURE 5-21. REAR AXLE, CENTRAL HOUSING



ART_1009716000-1

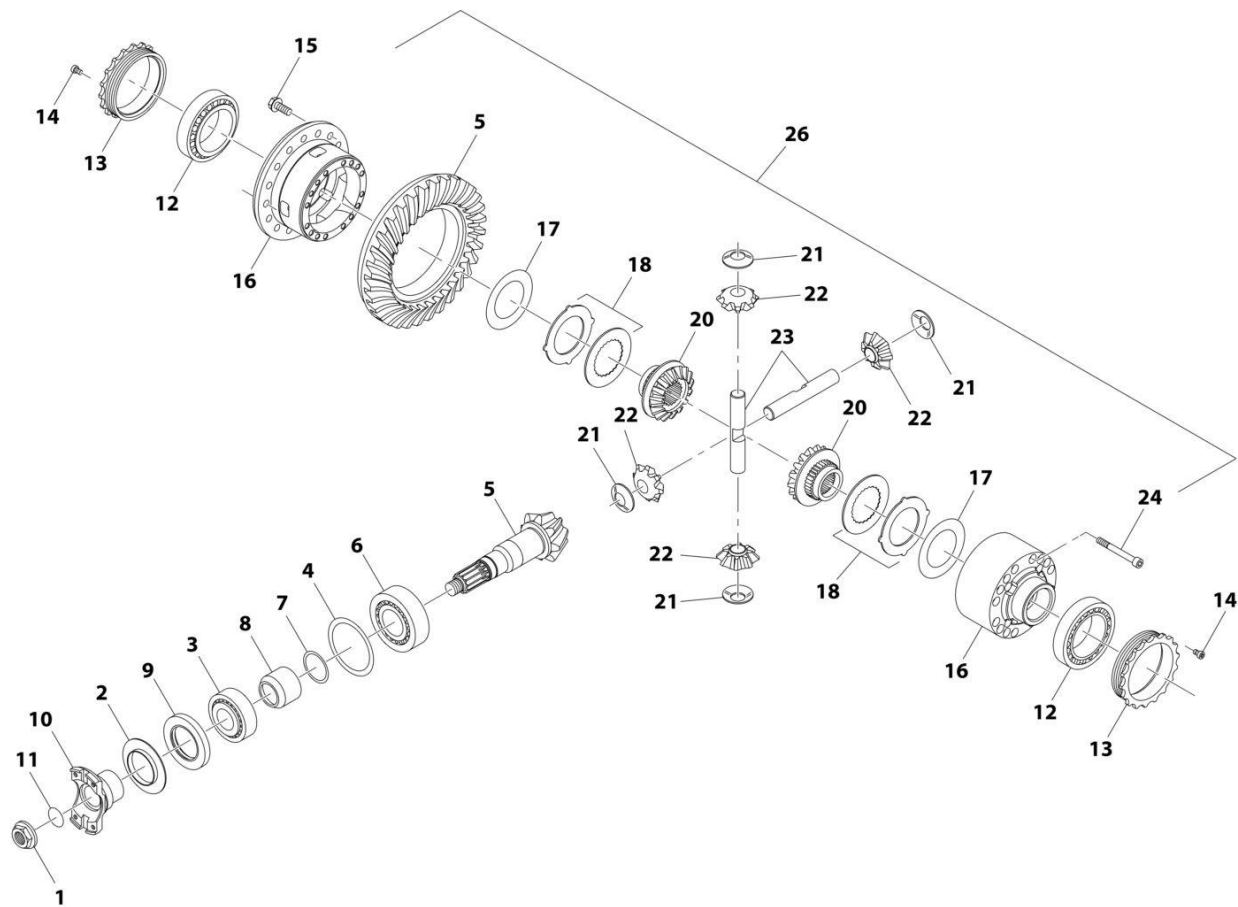
SECTION 5 - DRIVE TRAIN

FIGURE 5-21. REAR AXLE, CENTRAL HOUSING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1009716000	Ref	Rear Axle, Central Housing	E
1	91474512	1	Vent	
2	7029288	1	Cover, Intermediate	
3	80204002	1	O-Ring	
4	80204005	1	Circlip	
5	91514098	1	Plug	
6	70028389	1	Plug	
7	70028388	1	Plug	
8	70025335	1	Housing	
9	91514101	4	Bolt	
10	91514089	2	O-Ring	

SECTION 5 - DRIVE TRAIN

FIGURE 5-22. REAR AXLE, DIFFERENTIAL



ART_1009716000-2

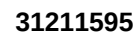
SECTION 5 - DRIVE TRAIN

FIGURE 5-22. REAR AXLE, DIFFERENTIAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1009716000	Ref	Rear Axle, Differential	E
1	80204043	1	Nut	
2	91514130	1	Plate, Cover	
3	70030024	1	Bearing, Tape Roller	
4	70029483	1	Shim	
5	70025336	1	Gear, Bevel Set	
6	80204035	1	Bearing, Tape Roller	
7	70023494	1	Ring	
8	70022140	1	Spacer	
9	70025887	1	Seal	
10	91514131	1	Flange	
11	10725554	1	O-Ring	
12	80204033	2	Bearing, Tape Roller	
13	91514133	2	Nut, Ring	
14	91514134	2	Bolt	
15	70025562	16	Bolt	
16	70025337	1	Carrier, Differential	
17	70023493	2	Friction Washer	
18	N.S.S.	2	Clutch Disc	
20	70025338	2	Gear, Differential Side	
21	70027105	4	Washer	
22	70025339	4	Pinion, Differential	
23	70023490	2	Shaft, Differential	
24	70023489	15	Bolt	
26	70028398	1	Kit, Differential (Includes Items 16 thru 18 & 20 thru 24)	

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SECTION 5 - DRIVE TRAIN

FIGURE 5-23. REAR AXLE, HUB REDUCTION

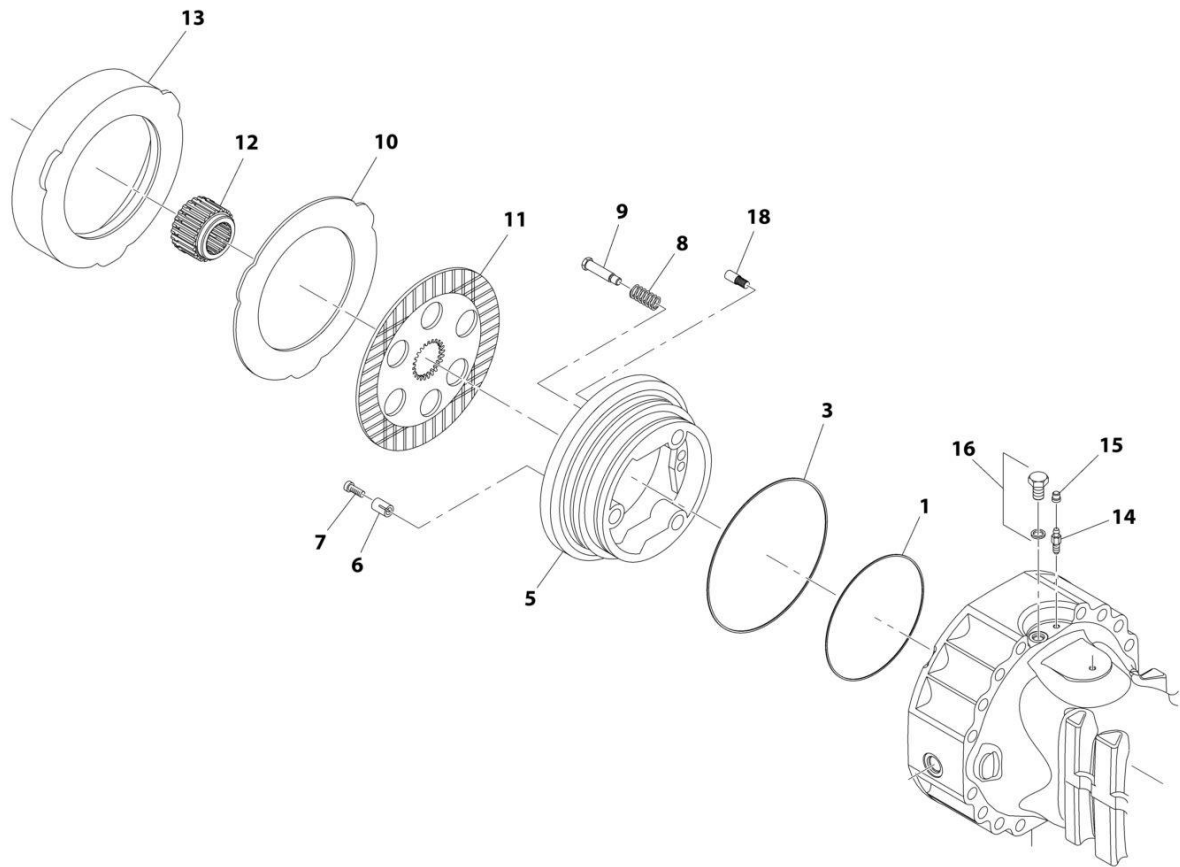
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1009716000	Ref	Rear Axle, Hub Reduction	E
1	70030030	2	Case, Axle	
2	91514081	2	Bolt	
3	91514082	2	Nut	
6	70028397	32	Bolt	
7	80204071	2	Circlip	
8	80204005	2	Circlip	
9	91514146	2	Ball Bearing	
10	91514147	2	Seal	
11	91514148	2	O-Ring	
12	91514149	2	Kit, Reduction Bushing (Includes Items 8 thru 11)	
13	70025855	2	Joint, Double Universal	
14	70026238	2	Seal	
15	91514111	2	Thrust Bushing	
16	70025562	24	Bolt	
17	80204117	4	Plug	
18	70024881	4	Fitting, Grease	
19	91514112	2	Pin	
20	70025561	1	Shim	
21	7028716	4	Seal, Dust	
23	7028714	2	Bushing	
24	91514095	2	Bearing	
25	7028715	2	Pin	
26	80204065	4	Nut	
27	91514117	4	Bolt	
28	N.S.S.	1	Steer Case (LF, RR)	
29	N.S.S.	1	Steer Case (RF, LR)	
30	70028388	2	Plug	
31	91514188	2	Plug	
33	70026002	2	Seal	
34	80204076	4	Bearing, Taper Roller	
35	91514174	2	Hub, Wheel	
36	91514175	2	Circlip	
37	70024147	2	Gear, Ring	
38	91514177	2	Support, Ring Gear	
39	91514178	2	Plate	
40	70028926	6	Snap Ring	
41	70028924	6	Pinion, Differential	
43	70029486	2	Carrier, Planet Gear	
45	70028389	2	Plug	
46	91514189	4	Bolt, Countersunk	
47	91514179	16	Nut	
48	91514180	16	Stud	
49	91514181	2	O-Ring	
51	91514183	20	Wheel Stud	
52	70028882	2	Assembly, Planet Gear Carrier (Includes Items 40, 41, 43, 67 & 68)	
62	70030025	1	Assembly, Steer Case (LF, RR) (Includes Items 15 & 28)	
63	70030026	1	Assembly, Steer Case (RF, LR) (Includes Items 15 & 29)	
64	7028733	4	Bolt, Steering Adjust	

SECTION 5 - DRIVE TRAIN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
66	70024146	2	Kit, Ring Gear Support (Includes Items 36 thru 38)	
67	70028923	6	Tapered Roller Bearing	
68	70028922	6	Tapered Roller Bearing	
69	80204012	2	Plug	
73	70028392	2	Cover	
75	70023829	2	Cross Kit	
76	70023116	1	Center Body	

SECTION 5 - DRIVE TRAIN

FIGURE 5-24. REAR AXLE, BRAKES



ART_1009716000-4

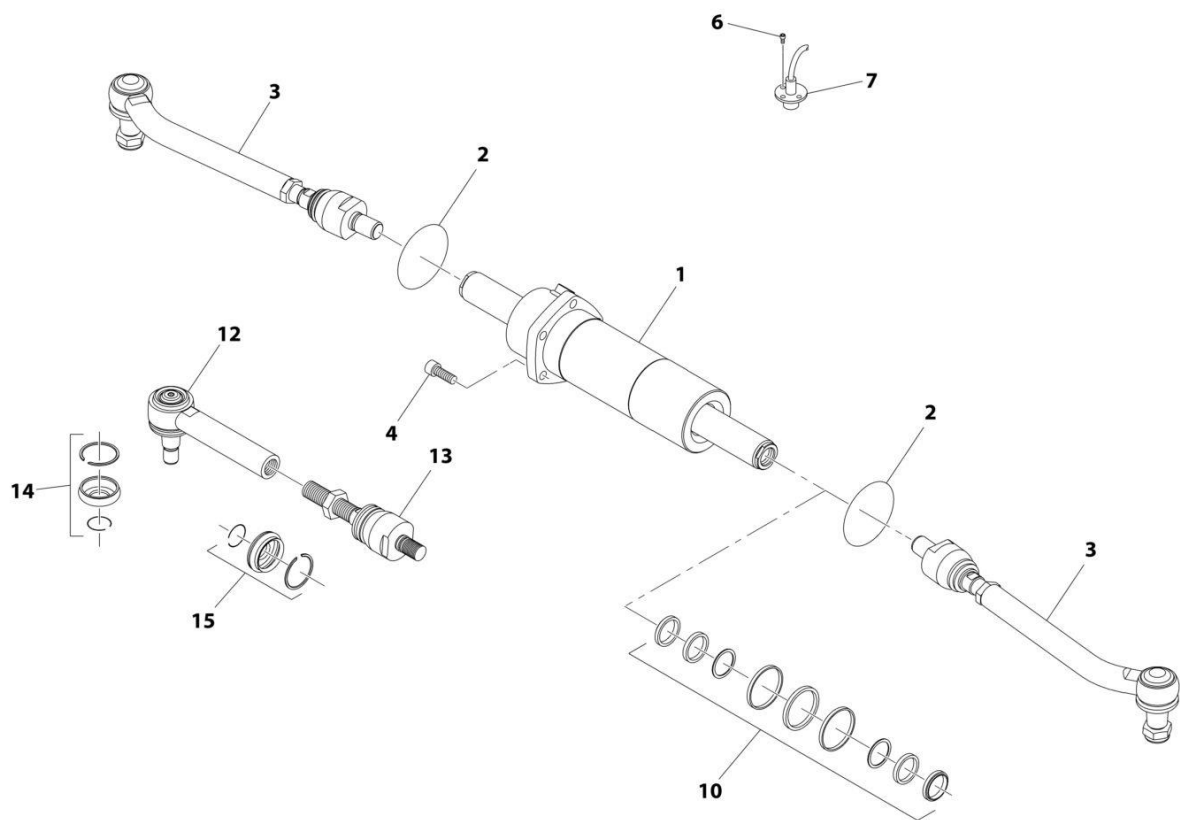
SECTION 5 - DRIVE TRAIN

FIGURE 5-24. REAR AXLE, BRAKES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1009716000	Ref	Rear Axle, Brakes	E
1	70026747	2	Seal	
3	70026748	2	Seal	
5	70024216	2	Piston	
6	70027317	6	Spring	
7	7029785	6	Bolt, Adjusting	
8	91514159	6	Spring	
9	70024210	6	Bolt, Adjusting	
10	70027022	6	Disc, Intermediate Brake	
11	7029735	6	Disc, Brake	
12	7029734	2	Bushing, Reduction	
13	70021606	2	Spacer	
14	10725627	2	Bolt, Bleeding	
15	80204117	2	Plug	
16	91514154	2	Plug	
18	70021613	2	Bolt, Pilot	

SECTION 5 - DRIVE TRAIN

FIGURE 5-25. REAR AXLE, STEERING



ART_1009716000-5

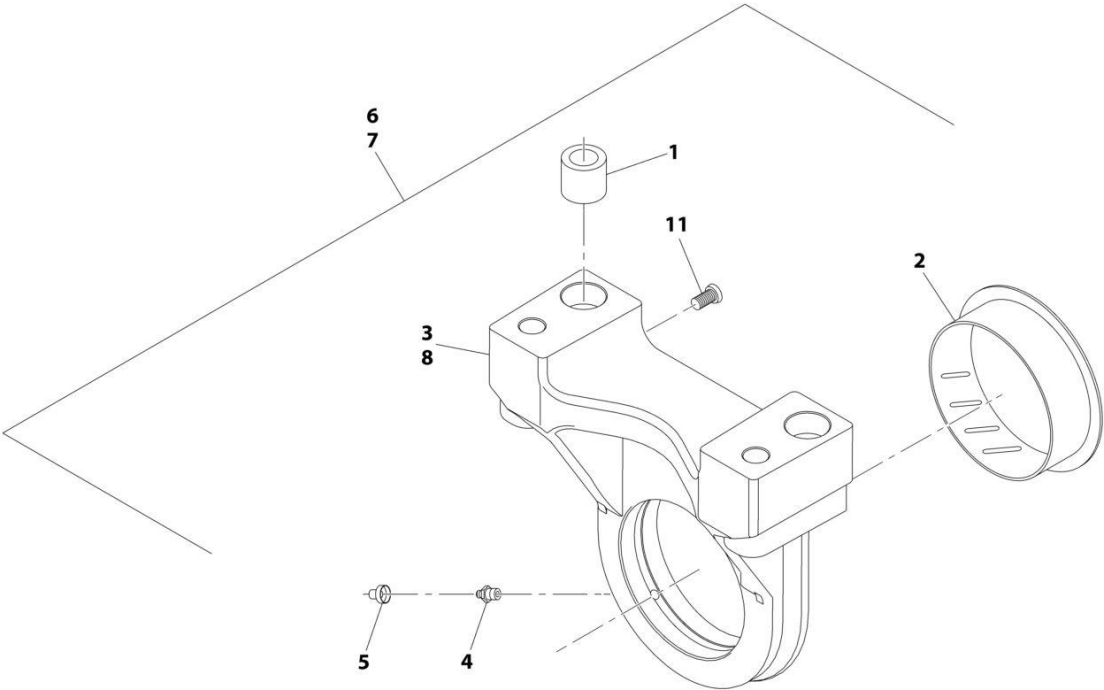
SECTION 5 - DRIVE TRAIN

FIGURE 5-25. REAR AXLE, STEERING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1009716000	Ref	Rear Axle, Steering	E
1	70030027	1	Cylinder	
2	80204143	2	O-Ring	
3	70026753	2	Tie Rod	
4	80204144	5	Bolt	
6	8008175	3	Bolt	
7	70030028	1	Sensor	
10	7029127	1	Kit, Seal	
12	70028465	1	Joint, 90	
13	70028466	1	Axial Joint Shaft	
14	70028467	1	Rubber Boot and Locking Ring Kit	
15	70028468	1	Rubber Boot and Locking Ring Kit	

SECTION 5 - DRIVE TRAIN

FIGURE 5-26. REAR AXLE, TRUNION



ART_1009716000-6

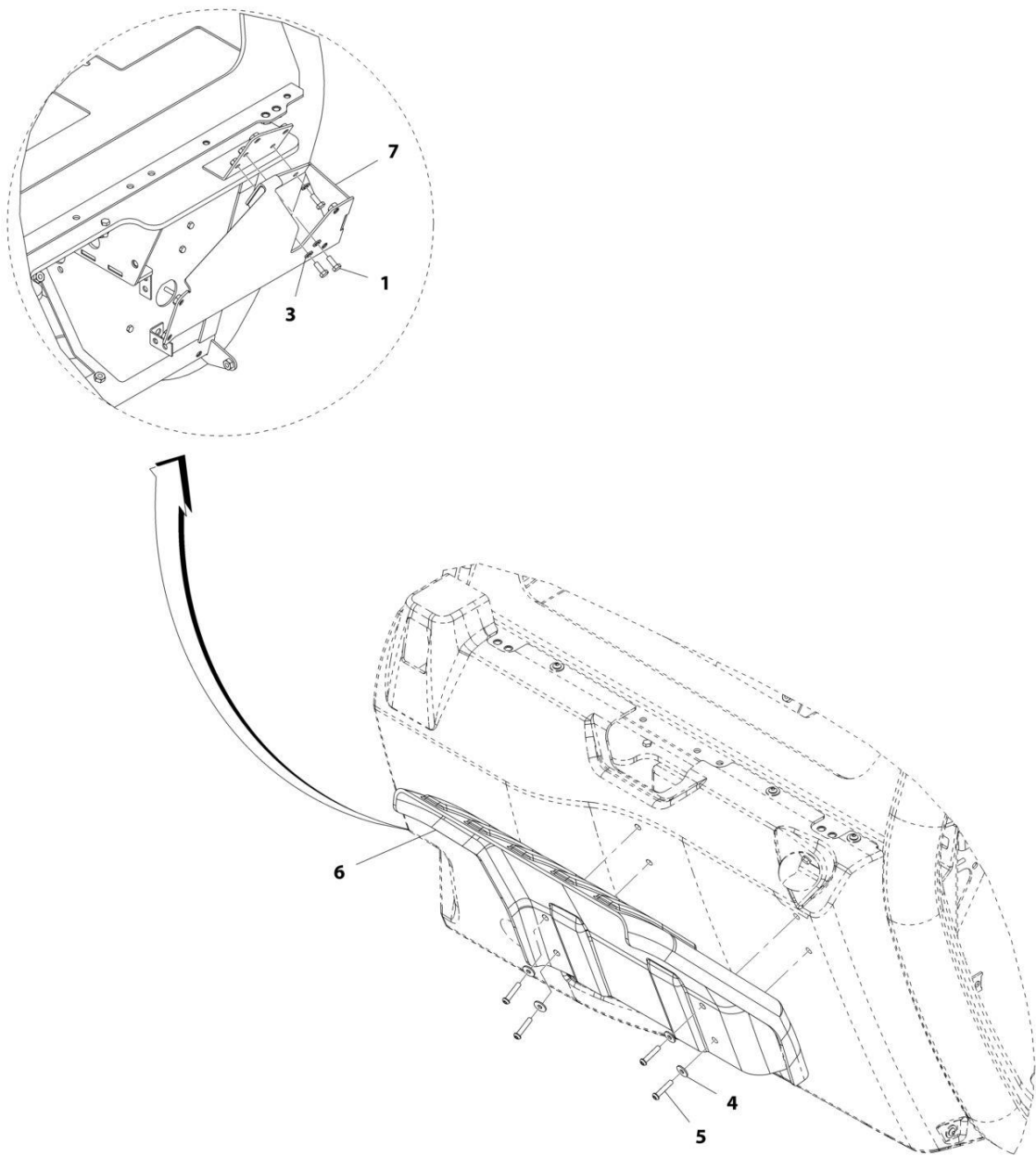
SECTION 5 - DRIVE TRAIN

FIGURE 5-26. REAR AXLE, TRUNION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1009716000	Ref	Rear Axle, Trunion	E
1	7029290	4	Bushing	
2	91514090	2	Thrust Bushing	
3	N.S.S.	1	Support	
4	70024881	2	Grease Fitting	
5	80204117	2	Plug	
6	70026266	1	Support Assembly	
7	70026265	1	Support Assembly	
8	N.S.S.	1	Support	
11	70025884	2	Bolt	

SECTION 5 - DRIVE TRAIN

FIGURE 5-27. CAB FENDER INSTALLATION



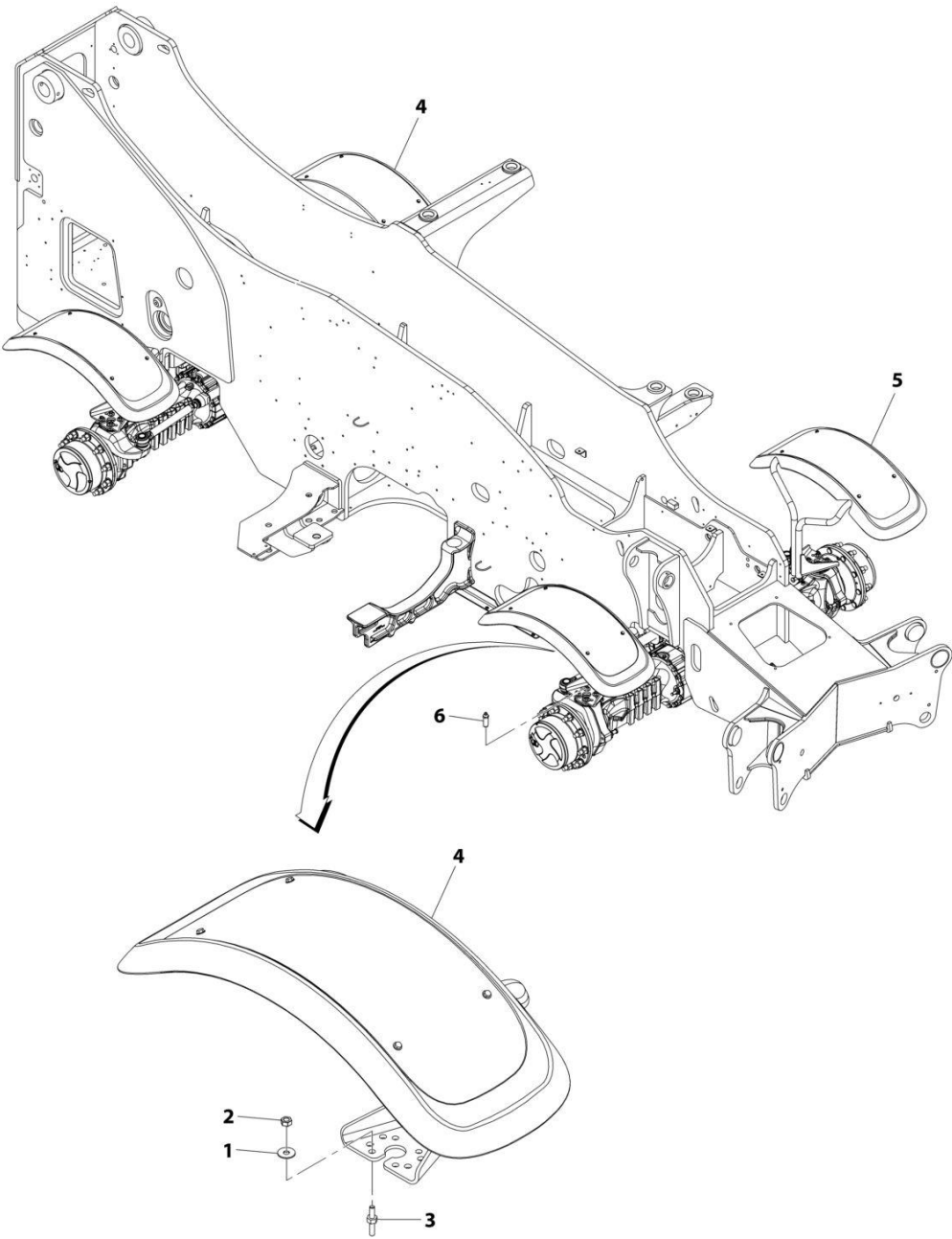
ART_1001195972-C

FIGURE 5-27. 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 5 - DRIVE TRAIN

FIGURE 5-28. FENDER INSTALLATION



ART_1001207167-B

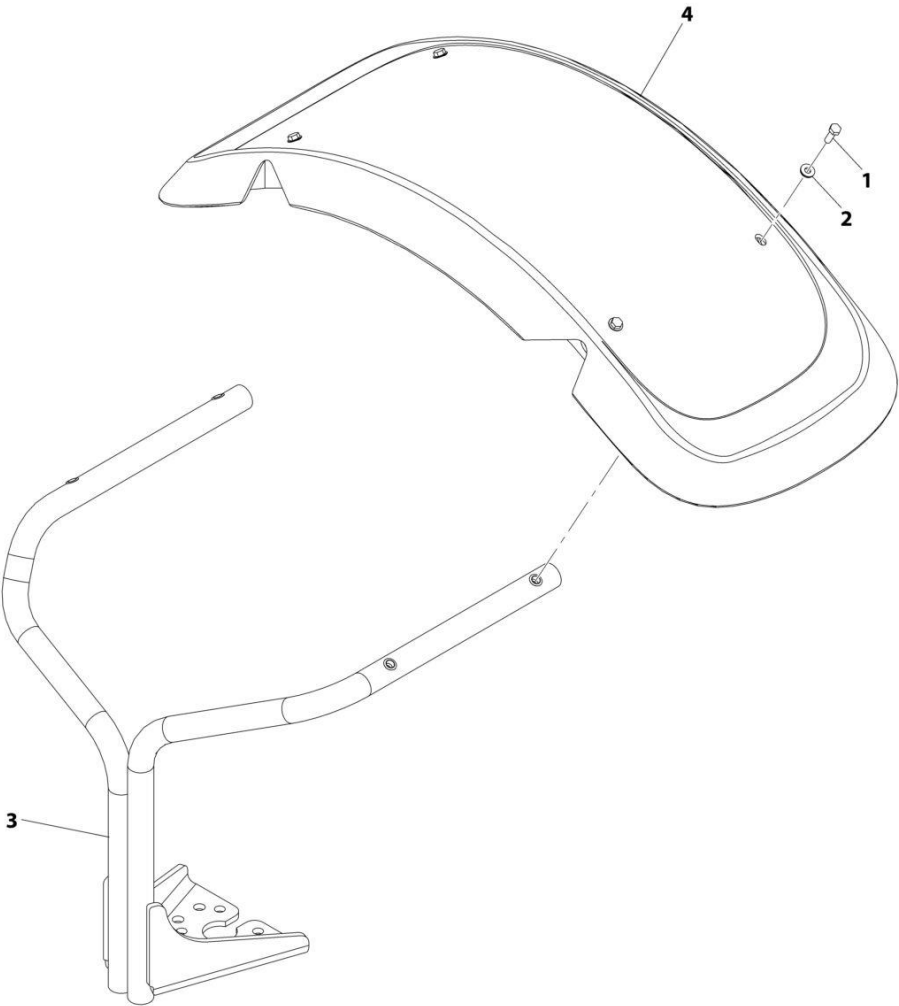
SECTION 5 - DRIVE TRAIN

FIGURE 5-28. FENDER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001207167	Ref	Fender Installation	B
1	4812102	16	Washer, M12	
2	91513266	16	Nut, M12X1.25	
3	91514118	16	Stud, Fender	
4	1001258117	2	Assembly, RH Fender (See Separate Breakdown in this Section)	
5	1001258118	2	Assembly, LH Fender (See Separate Breakdown in this Section)	
6	1001225317	4	Fitting, Grease	

SECTION 5 - DRIVE TRAIN

FIGURE 5-29. RH FENDER ASSEMBLY



ART_1001258117-B

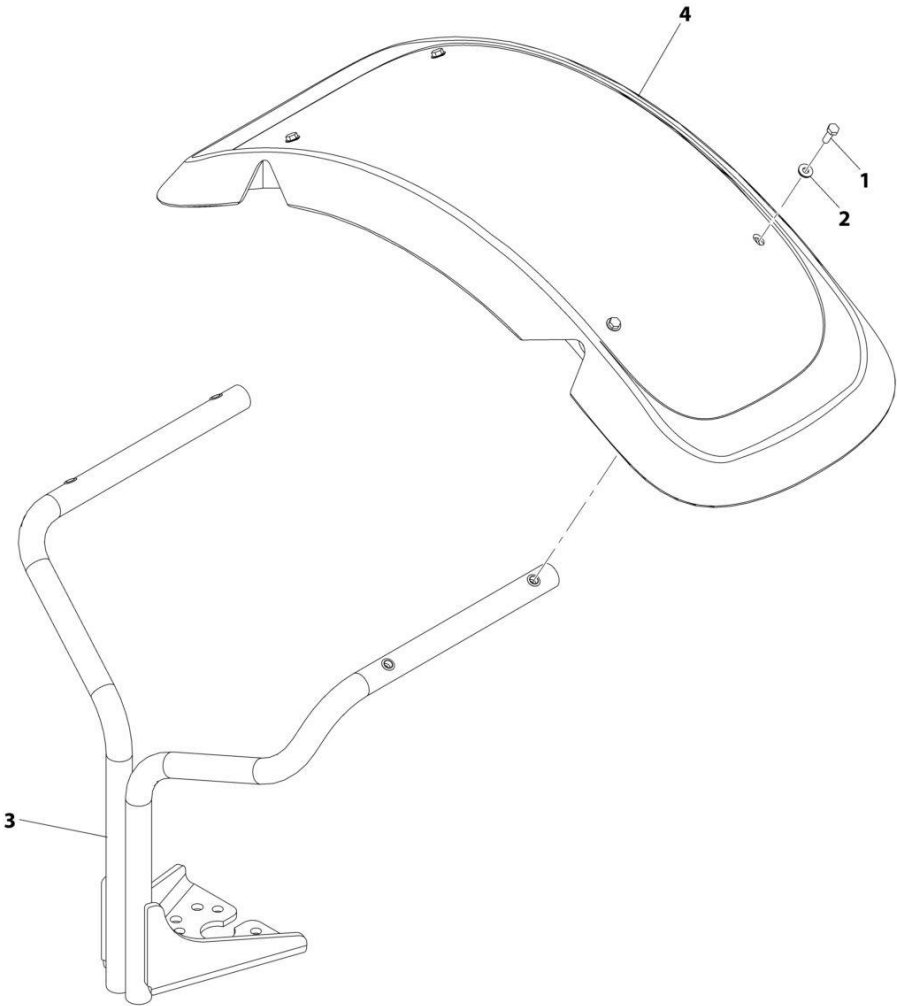
SECTION 5 - DRIVE TRAIN

FIGURE 5-29. RH FENDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258117	Ref	RH Fender Assembly	B
1	0760812	4	Bolt, M8X25	
2	1001202786	4	Washer	
3	1001258121	1	Bracket, Fender RH Assembly	
4	1001168264	1	Fender	

SECTION 5 - DRIVE TRAIN

FIGURE 5-30. LH FENDER ASSEMBLY



ART_1001258118-B

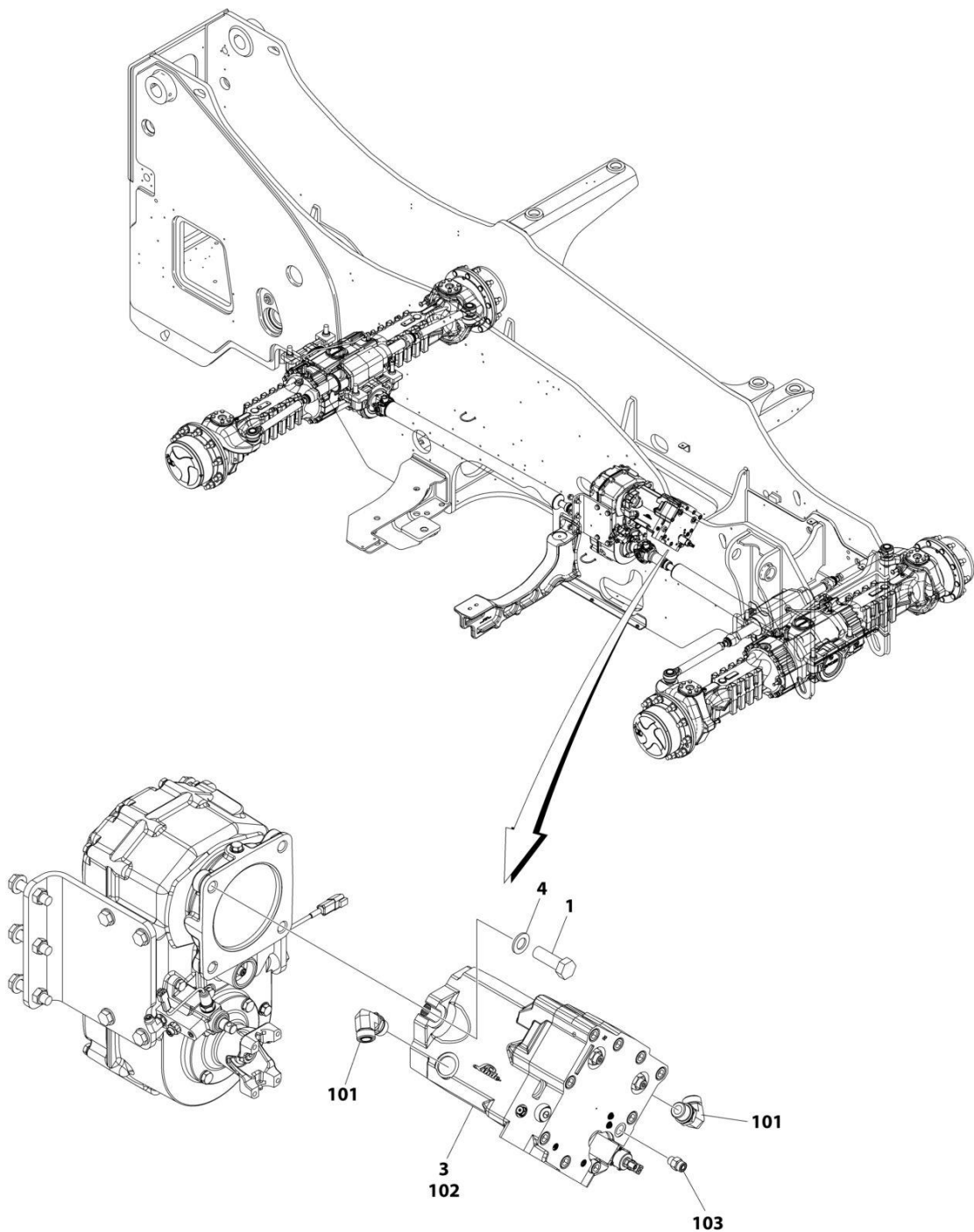
SECTION 5 - DRIVE TRAIN

FIGURE 5-30. LH FENDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258118	Ref	LH Fender Assembly	B
1	0760812	4	Screw, M8X25	
2	1001202786	4	Washer	
3	1001258122	1	LH Bracket	
4	1001168264	1	Fender	

SECTION 5 - DRIVE TRAIN

FIGURE 5-31. HYDRAULIC MOTOR INSTALLATION



ART_1001244340

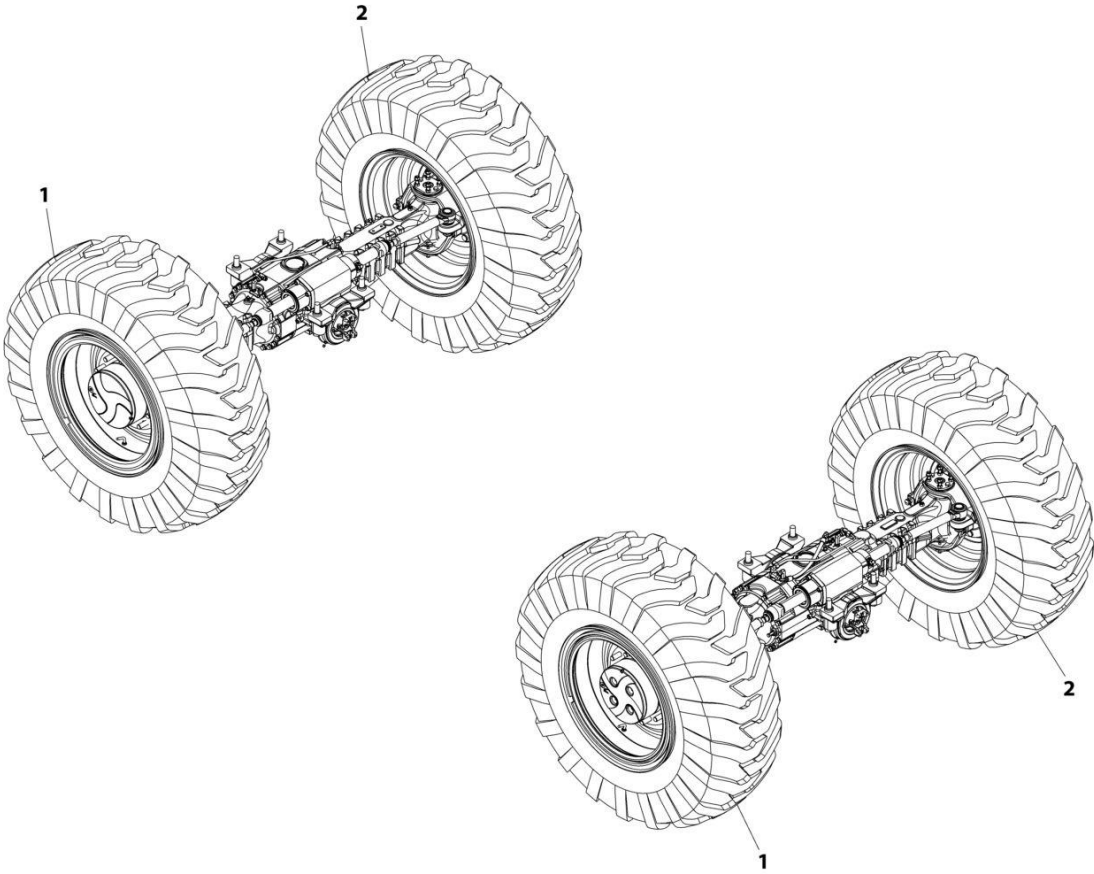
SECTION 5 - DRIVE TRAIN

FIGURE 5-31. HYDRAULIC MOTOR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244340	Ref	Hydraulic Motor Installation	B
1	0772020	2	Bolt, M16X50	
3	1001203797	Ref	Sub-Assembly, Drive Motor (includes items 101-103)	C
4	1001244524	2	Washer, M16	
101	8770248	2	Fitting	
102	1001203804	1	Hydraulic Motor (See Separate Breakdown in HYDRAULIC COMPONENTS Section) (Note: Check tag on motor before ordering parts)	
102	1001268891	1	Hydraulic Motor (See Separate Breakdown in HYDRAULIC COMPONENTS Section) (Note: Check tag on motor before ordering parts)	
103	2144605	1	Fitting, Straight (Used with Hydraulic Motor 1001268891)	

SECTION 5 - DRIVE TRAIN

FIGURE 5-32. TIRE/WHEEL SET (FOAM 17.5-25 - 20 PLY)



ART_1001192170-A

SECTION 5 - DRIVE TRAIN

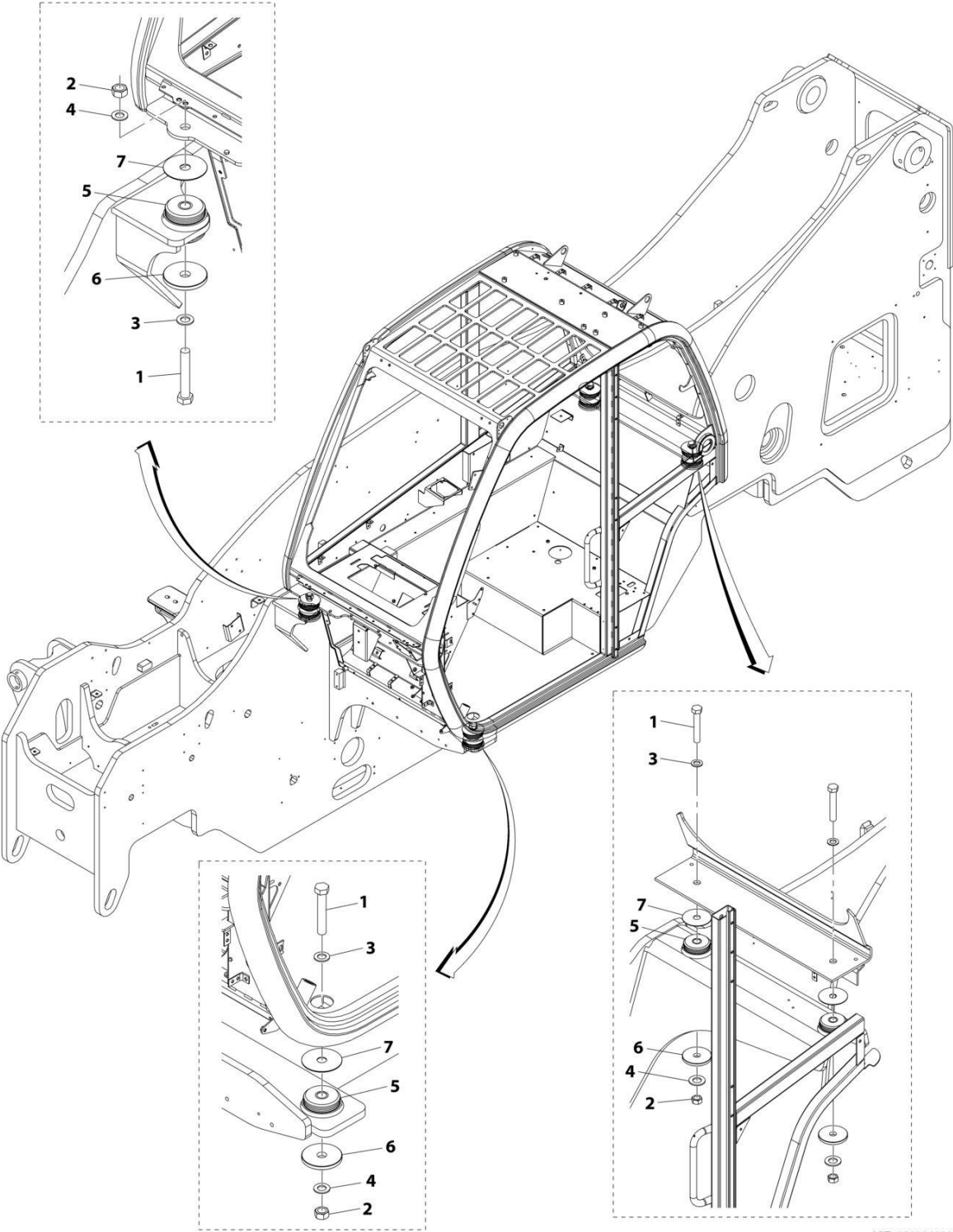
FIGURE 5-32. TIRE/WHEEL SET (FOAM 17.5-25 - 20 PLY)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192170	1 Ref	Tire/Wheel Set (Foam 17.5-25 - 20 PLY) Note: Requires ballast/foam filling to manufacturer's specifications prior to installing on a machine. Refer to Service and Maintenance Manuals. Purchase individual tire and/or rim only if able to foam fill tire and wheel assembly, otherwise, purchase complete.	A
1	1001192180	2	Assembly, Right Tire/Wheel (Foam 17.5-25 - 20 PLY)	
1	8786549	1	Valve, Stem	
1	1001187423	1	Tire, 17.5-25 20 PLY	
1	1001189288J	1	Wheel, 25X14.0 DTU 10 Hole	
2	1001192181	2	Assembly, Left Tire/Wheel (Foam 17.5-25 - 20 PLY)	
2	8786549	1	Valve, Stem	
2	1001187423	1	Tire, 17.5-25 20 PLY	
2	1001189288J	1	Wheel, 25X14.0 DTU 10 Hole	

SECTION 6 - CAB

SECTION 6 - CAB

FIGURE 6-1. CAB MOUNTING



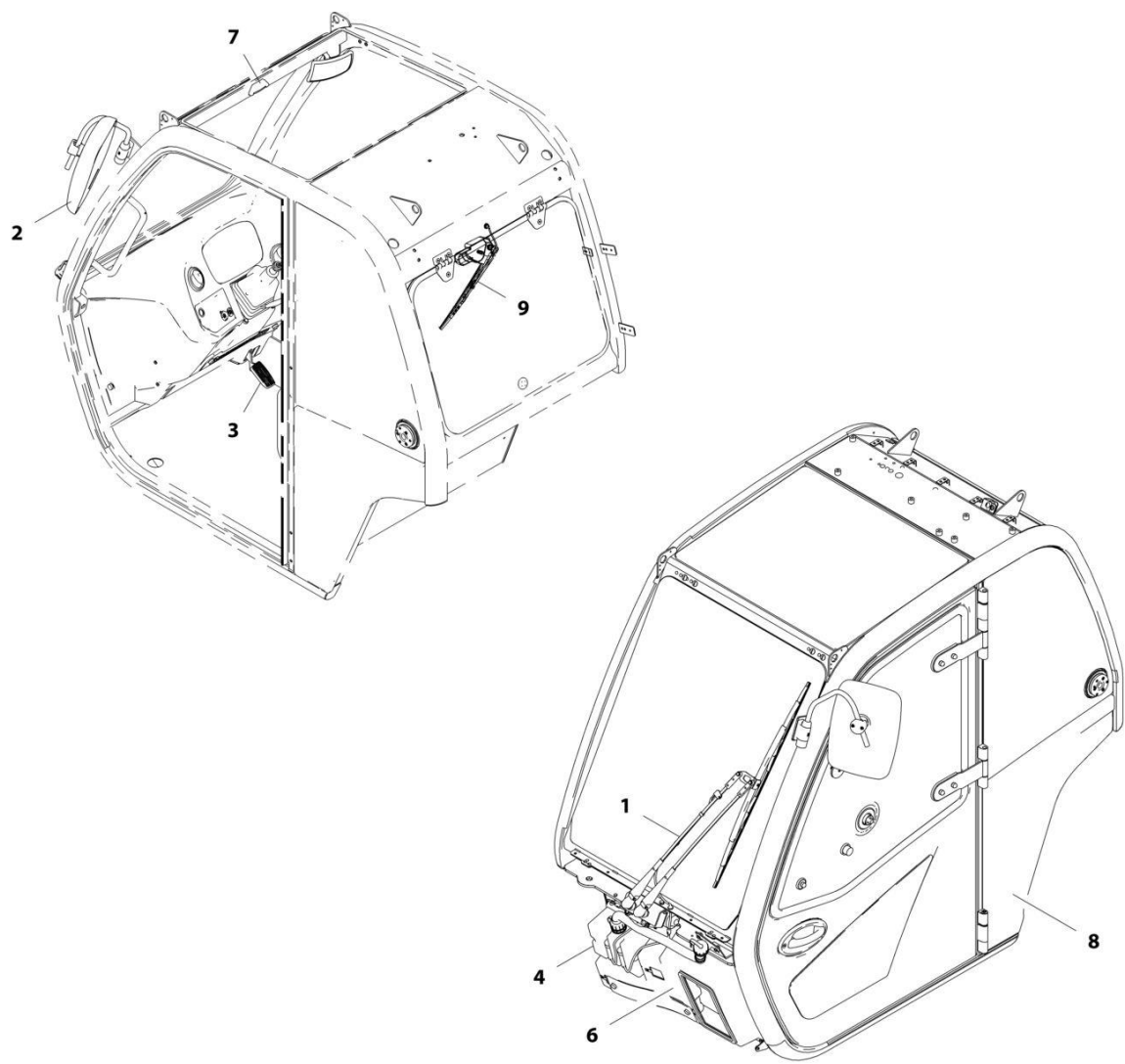
ART_1001249327-C

FIGURE 6-1. CAB MOUNTING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001249327	Ref	CAB MOUNTING	C
1	0712029	4	Bolt M20 X 120 Class 10.9	
2	3332011	4	Nut M20	
3	4812500	4	Washer M20	
4	5242000	4	Washer M20	
5	1001205066	4	Mount, Cab Isolation	
6	1001207854	4	Washer, Cab Rebound	
7	1001253797	4	Washer, Cab Mount	

SECTION 6 - CAB

FIGURE 6-2. CAB COMPONENTS INSTALLATION



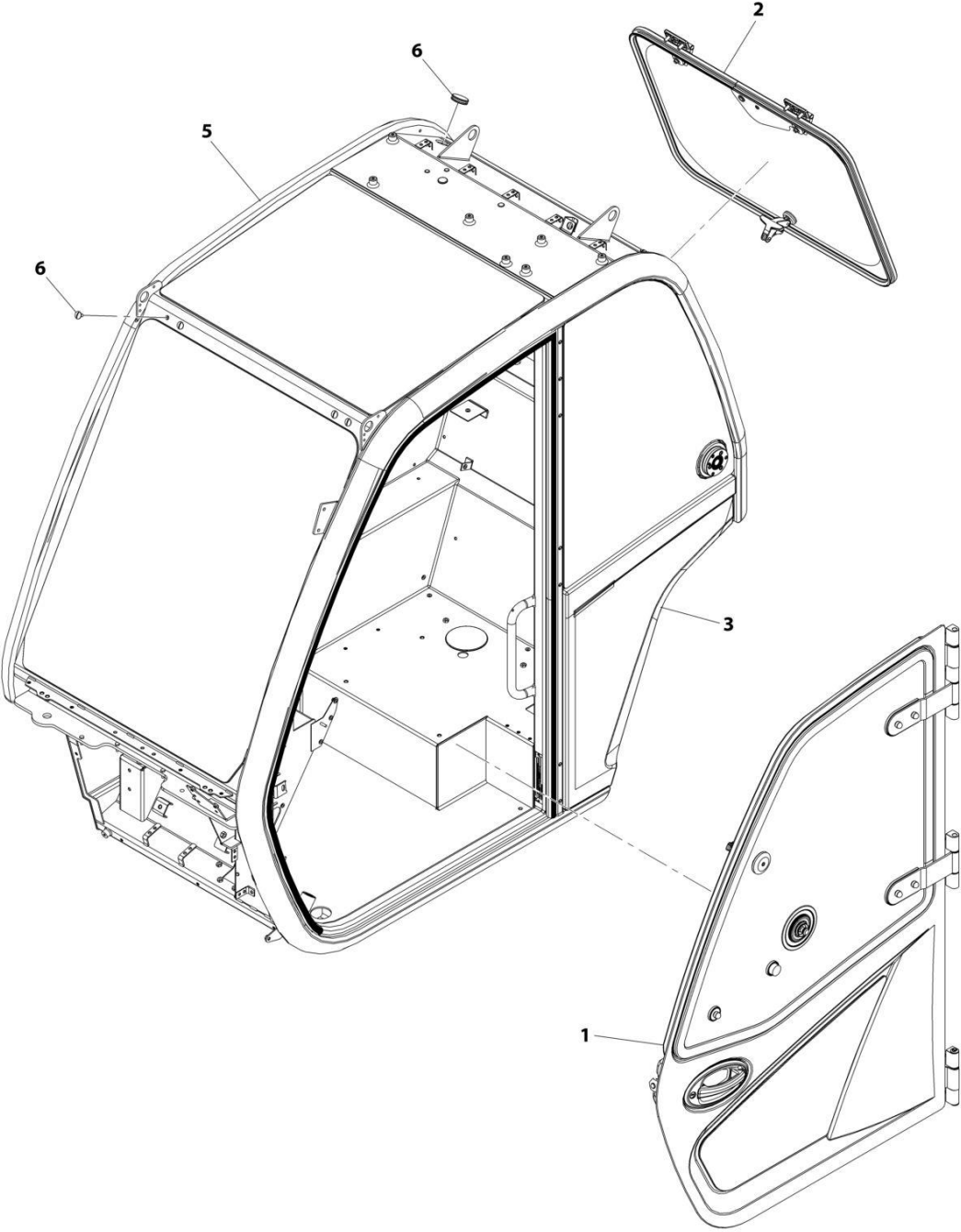
ART_1001194698

FIGURE 6-2. CAB COMPONENTS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001194698	Ref	Cab Components Installation	G
1	1001155447	Ref	Installation, Front Wiper (See Separate Breakdown in this Section)	
2	1001160508	Ref	Installation, Basic Mirror (See Separate Breakdown in this Section)	
3	1001161499	Ref	Installation, Accelerator Pedal (See Separate Breakdown in CONTROLS Section)	
4	1001162789	Ref	Installation, Washer Tank (See Separate Breakdown in this Section)	
6	1001170366	Ref	Installation, Front Cover (See Separate Breakdown in this Section)	
7	1001172401	Ref	Installation, Level Indicator (See Separate Breakdown in this Section)	
8	1001194699	Ref	Installation, Cab (See Separate Breakdown in this Section)	
9	1001220329	Ref	Installation, Rear Wiper (See Separate Breakdown in this Section)	

SECTION 6 - CAB

FIGURE 6-3. CAB INSTALLATION



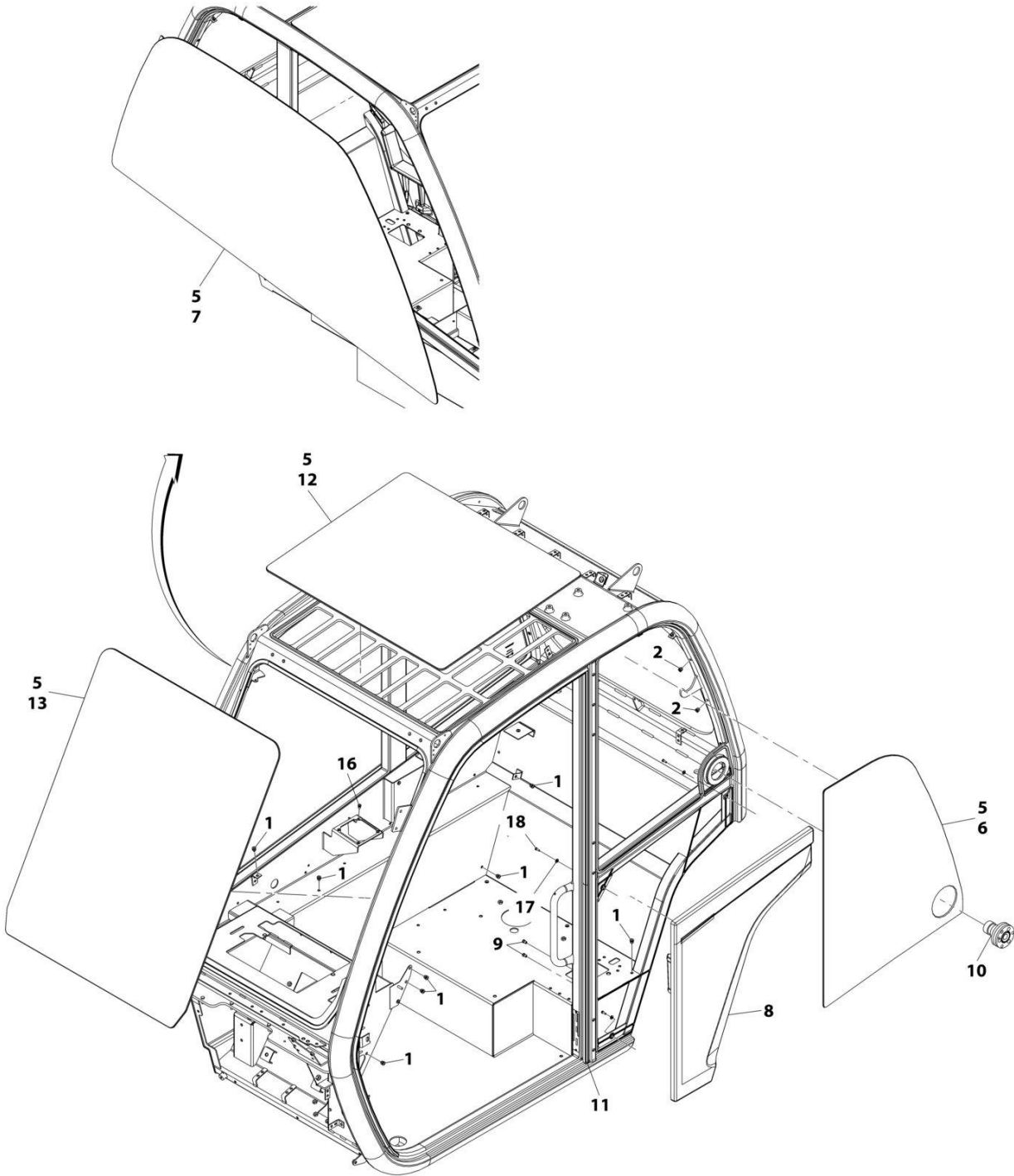
ART_1001194699

FIGURE 6-3. CAB INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001194699	Ref	Cab Installation	L
1	1001155228	1	Installation, Cab Door (See Separate Breakdown in this Section)	
2	1001220339	1	Installation, Rear Window (See Separate Breakdown in this Section)	
3	1001194700	1	Assembly, Cab Group (See Separate Breakdown in this Section)	
5	N.S.S.	1	Weldment, Cab	
6	1001195814	1	Group, Cab Plug (See Separate Breakdown in this Section)	

SECTION 6 - CAB

FIGURE 6-4. CAB ASSEMBLY



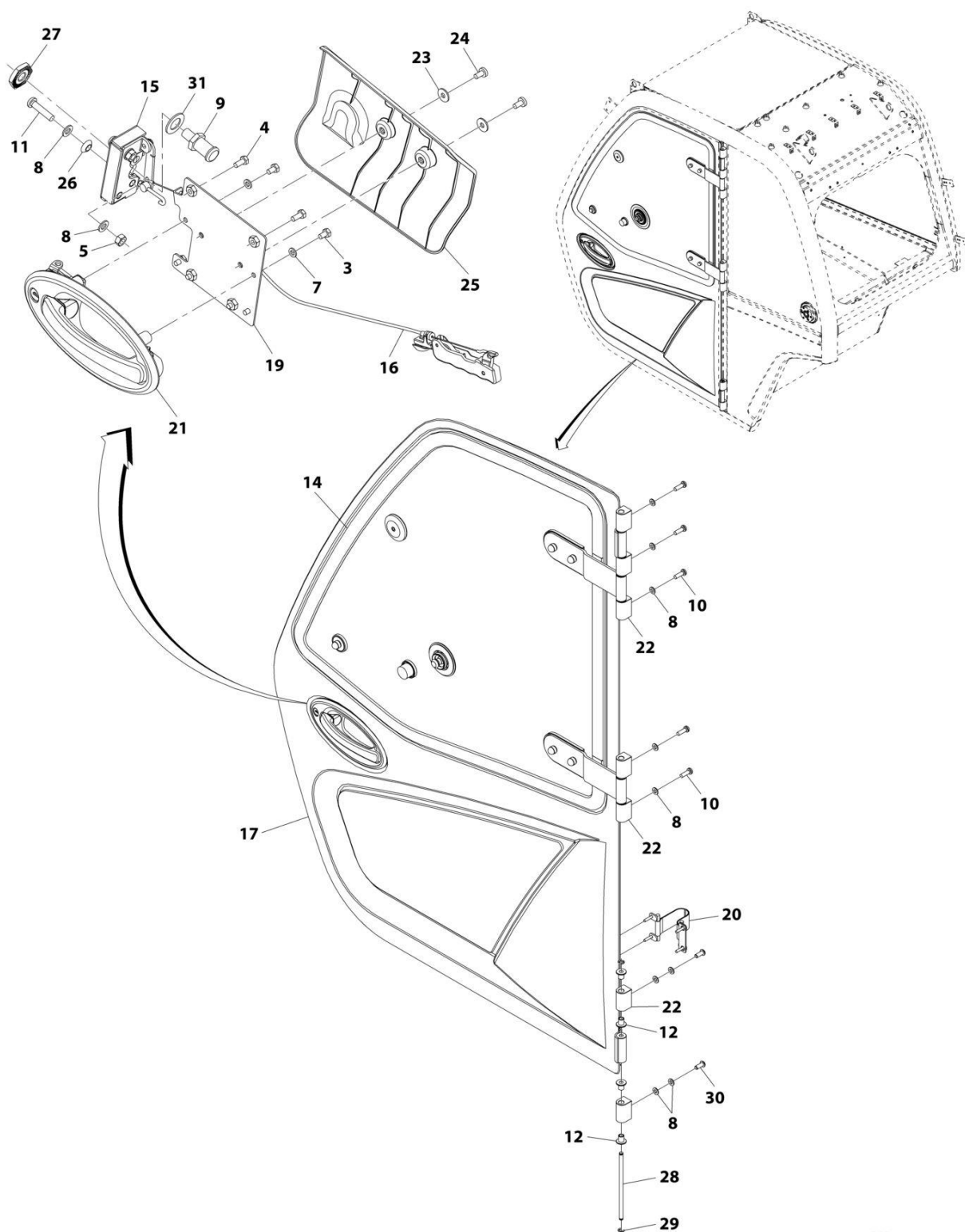
ART_1001194700-F

FIGURE 6-4. CAB ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001194700	Ref	Cab Assembly	G
1	2080086	25	Rivnut M6 x 1	
2	2080087	16	Rivnut M8 x 1.25	
5	1001111317	AR	Compound, Locking	
6	1001152915	1	Glass, LH Screen	
7	1001152947	1	Glass, RH Screen	
8	1001256073	1	Panel, Cab Quarter	
9	1001172193	2	Rivnut M5 x 0.8	
10	1001174320	1	Latch, Top Window	
11	1001227186	1	Seal, Cab Door	
12	1001178159	1	Glass, Roof Laminated	
13	1001178160	1	Glass, Front Laminated	
16	1001195878	4	Rivnut M5 x 0.8	
17	4811700	3	Washer M6	
18	4010608002	3	Screw	

SECTION 6 - CAB

FIGURE 6-5. DOOR INSTALLATION



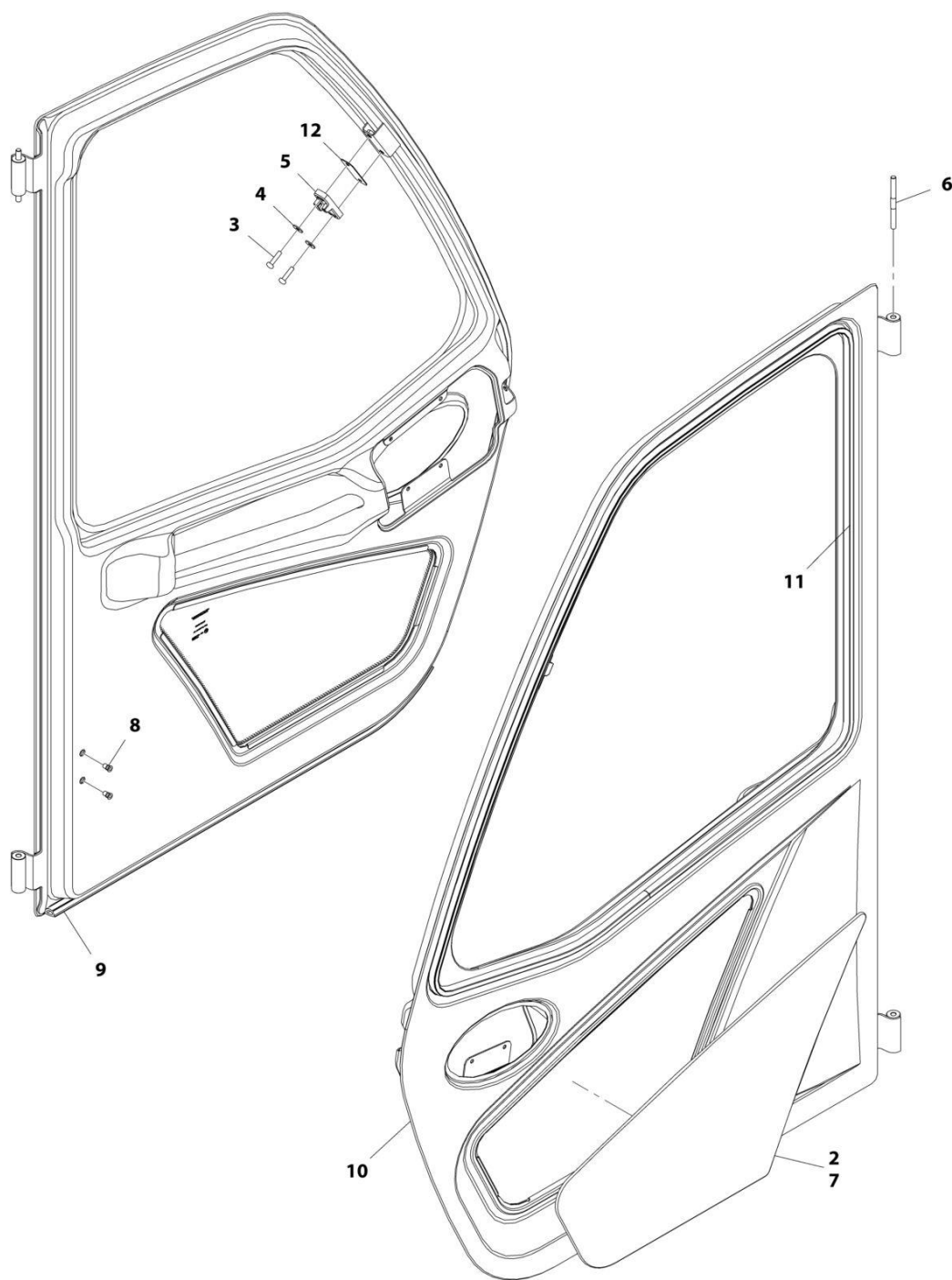
ART_1001155228

FIGURE 6-5. DOOR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001155228	Ref	Door Installation	Q
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	1001170114	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	1001229543	7	Block, Hinge (Rounded Top/Bottom Edge)	
22	1001170601J	7	Block, Hinge (Square Top/Bottom Edge)	
23	4811702001	2	Washer, M6	
24	4010608002	2	Screw, Posi-Drive, M6X16	
25	1001175477	1	Cover, Cab Door Interior	
26	1001184439	2	Bushing	
27	1001192309	1	Nut, M12X1	
28	1001213791	1	Pin	
29	0498748	2	Washer, Lock M7	
30	1001164726	2	Bolt, M8X20	
31	1001227802	1	Washer	

SECTION 6 - CAB

FIGURE 6-6. DOOR ASSEMBLY (AG)

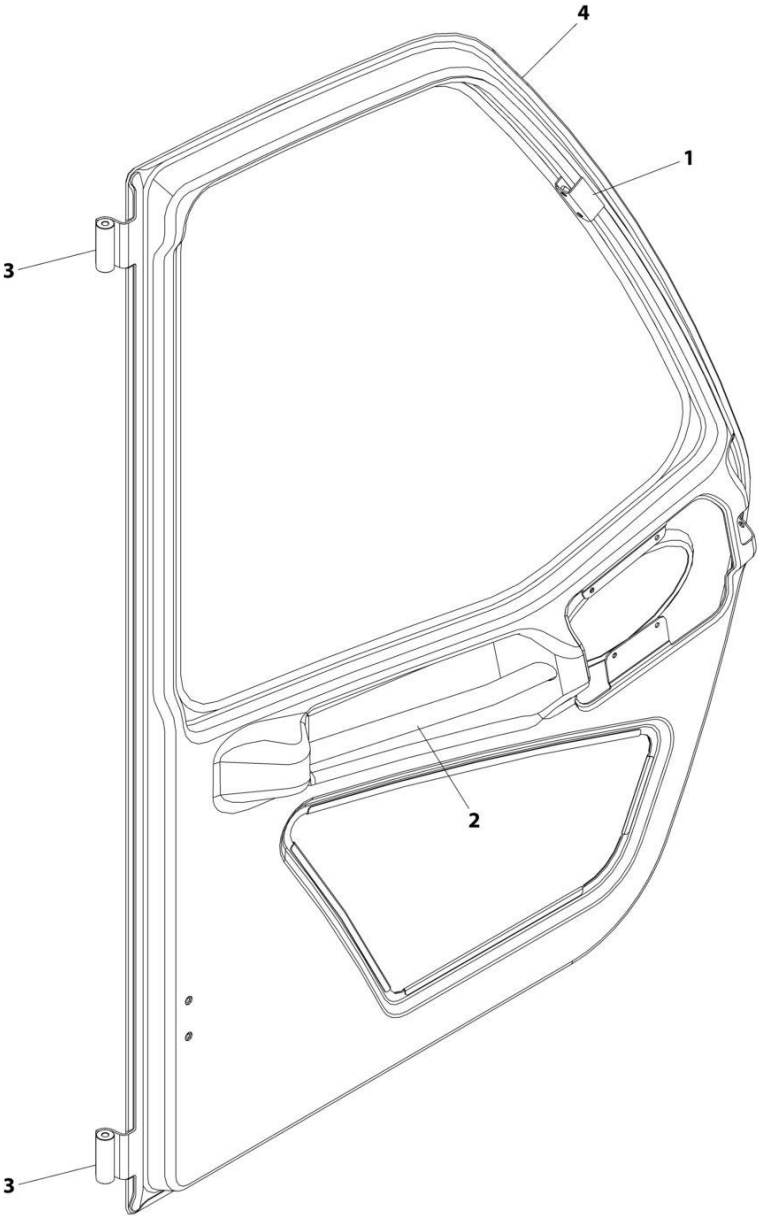


ART_1001170114

FIGURE 6-6. DOOR ASSEMBLY (AG)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170114	Ref	Door Assembly	K
2	1001111317	AR	Compound, Locking	
3	4010612002	2	Screw, M6X25	
4	4811702001	2	Washer, M6	
5	1001165276	1	Plate, Window Latch Striker	
6	1001166634	1	Pin, Hinge	
7	1001169880	1	Window, Lower Glass	
8	1001172193	2	Rivnut, M5X0.8	
9	1001227188	1	Seal, Cab Door	
10	1001170113J	1	Door, Cab (See Separate Breakdown in this Section)	
11	1001227187	1	Seal, Cab Door Window	
12	1001193210	AR	Shim, Window Latch	

FIGURE 6-7. CAB DOOR



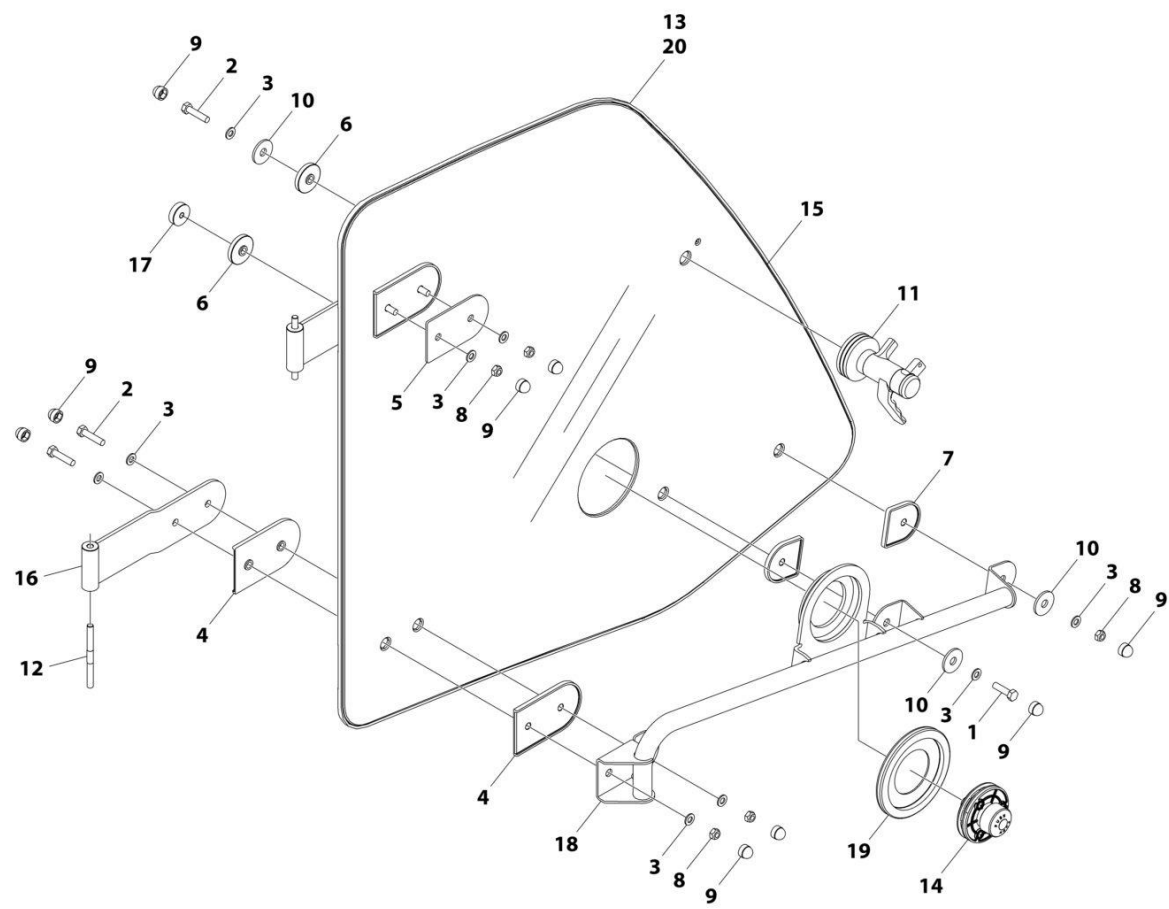
ART_1001170113J-E

FIGURE 6-7. CAB DOOR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170113J	Ref	Cab Door	E
1	1001169883	1	Bracket, Window Latch	
2	1001169885	1	Handle, Interior Door	
3	1001171037	1	Plate, Hinge	
4	1001171635	1	Frame, Door	

SECTION 6 - CAB

FIGURE 6-8. DOOR UPPER GLASS ASSEMBLY

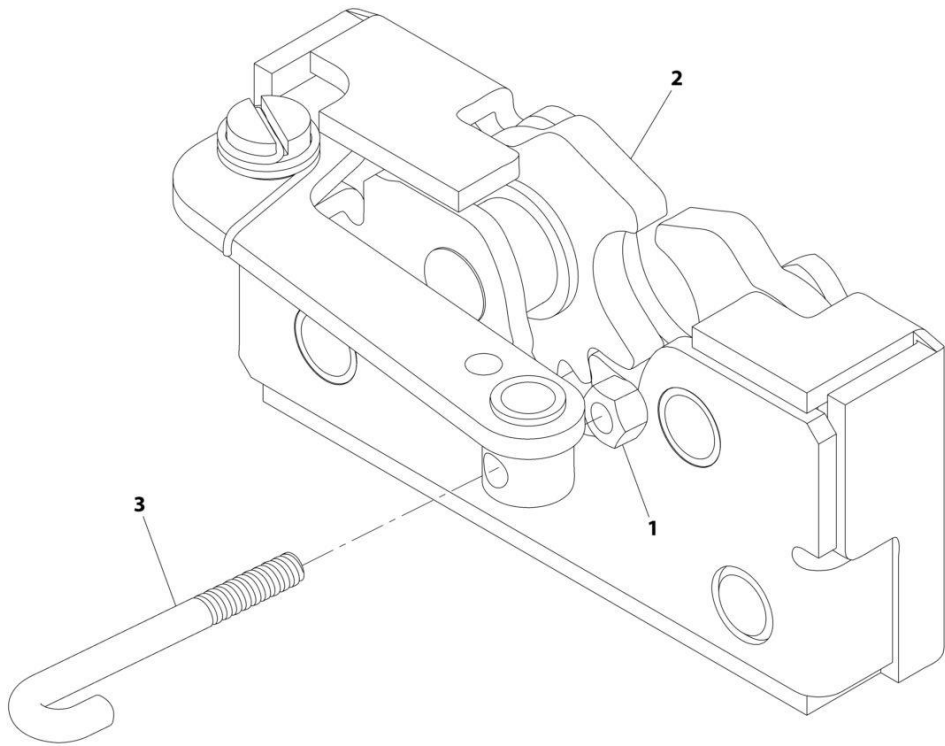


ART_1001205532

FIGURE 6-8. 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 6-9. CAB LATCH ASSEMBLY



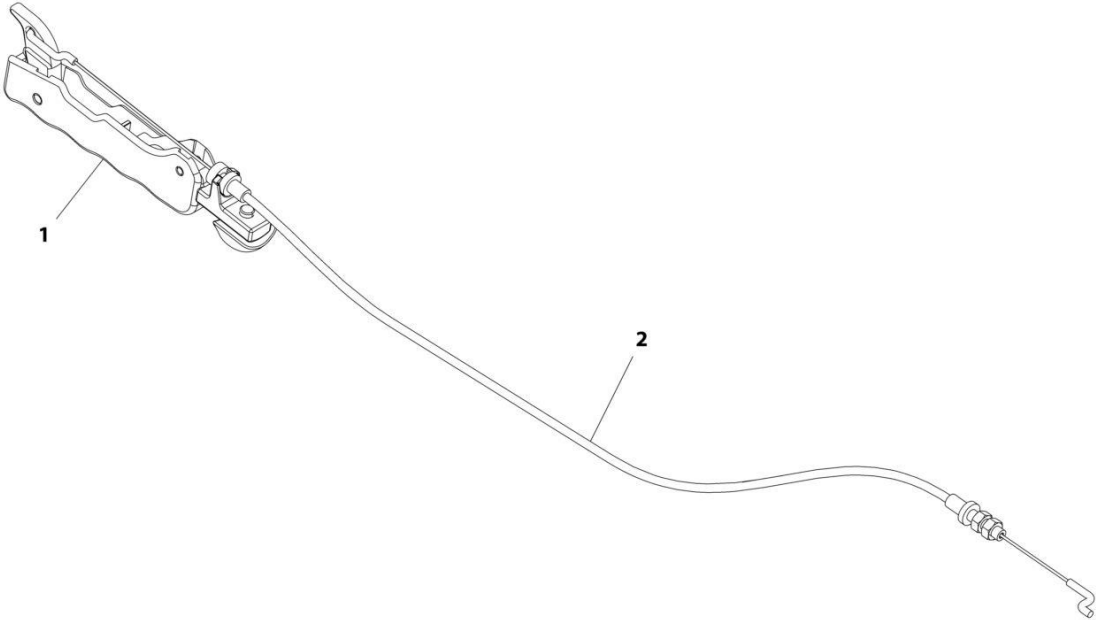
ART_1001192766_C

FIGURE 6-9. 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 6-10. CAB DOOR TRIGGER ASSEMBLY



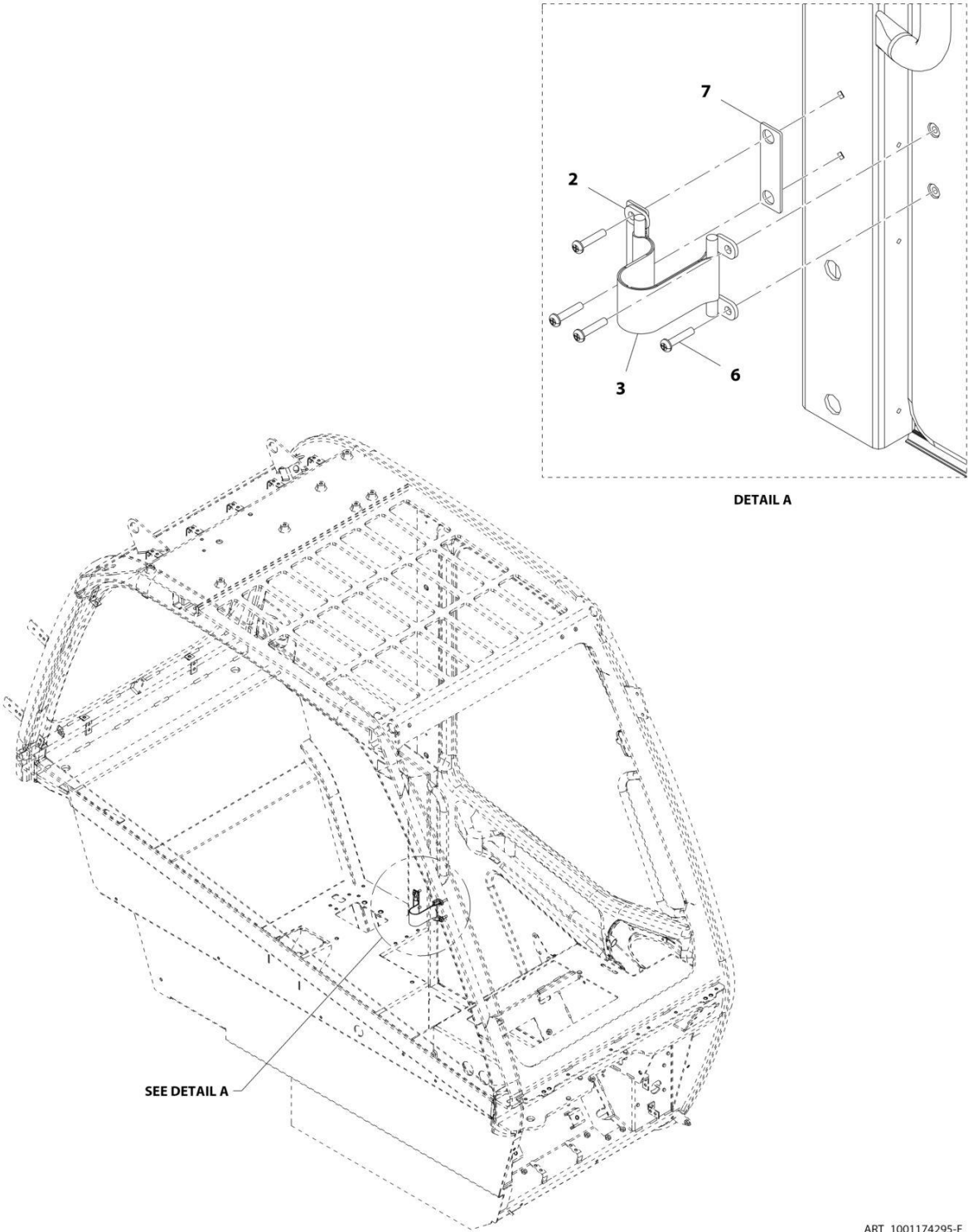
ART_1001167958-E

FIGURE 6-10. 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	

SECTION 6 - CAB

FIGURE 6-11. DOOR STRAP INSTALLATION



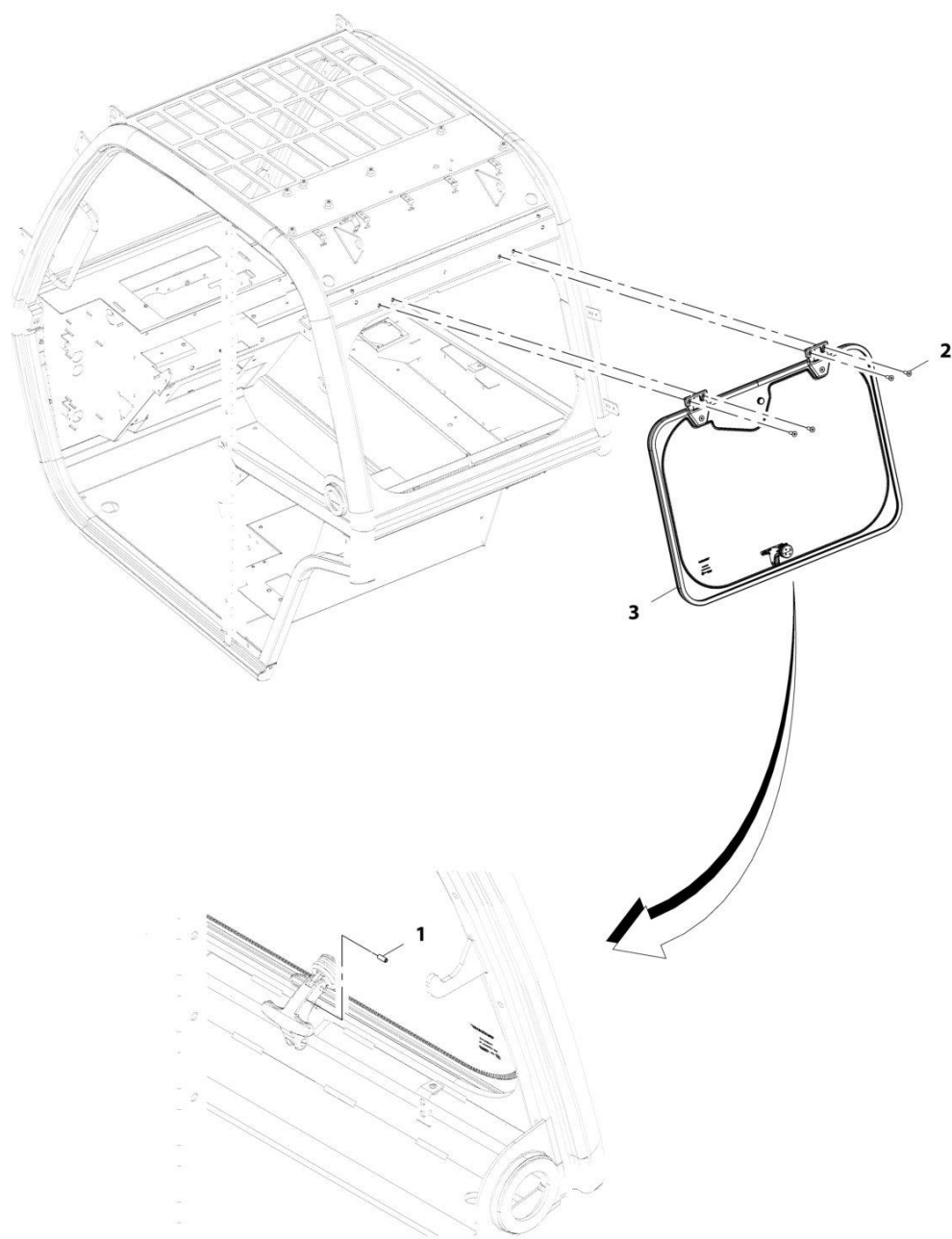
ART_1001174295-F

FIGURE 6-11. 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 6-12. REAR WINDOW INSTALLATION

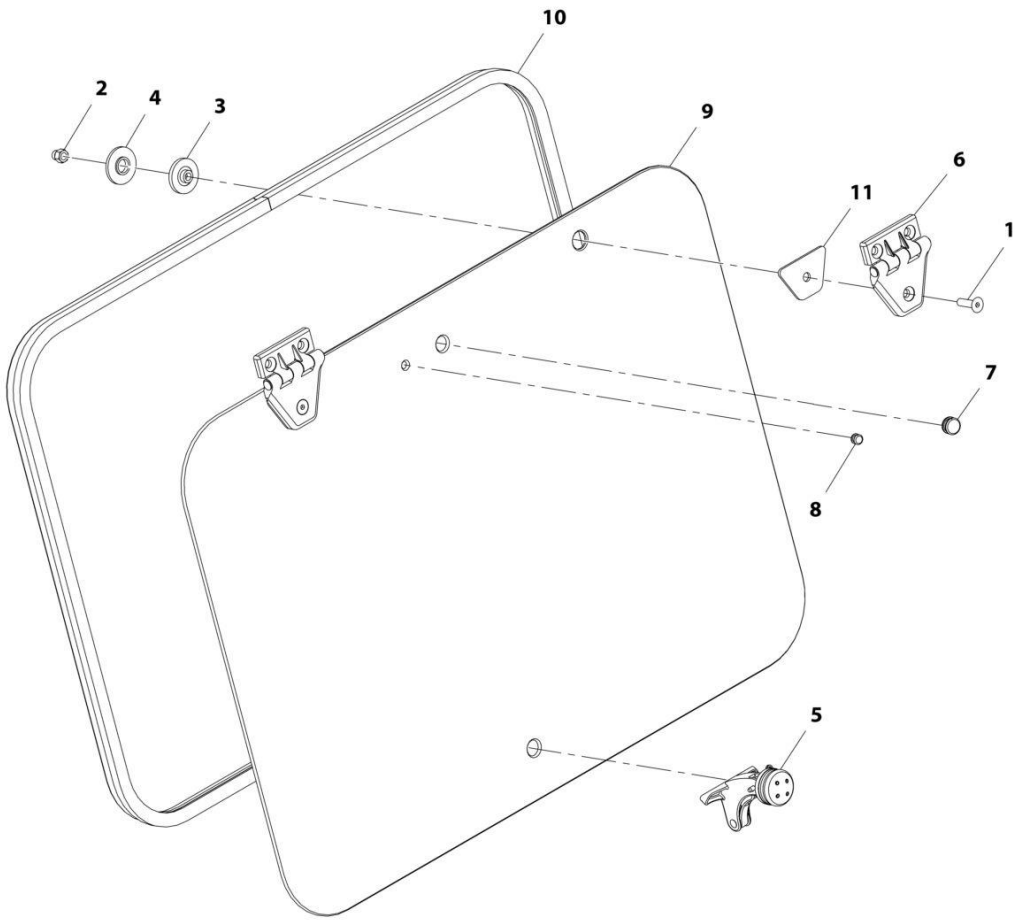


ART_1001220339-A

FIGURE 6-12. REAR WINDOW INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220339	Ref	Rear Window Installation	A
1	1001003043	1	Pin, Spring	
2	1001097586	4	Screw, M8X1.25	
3	1001220338	1	Assembly, Rear Window (See Separate Breakdown in this Section)	

FIGURE 6-13. REAR WINDOW GROUP



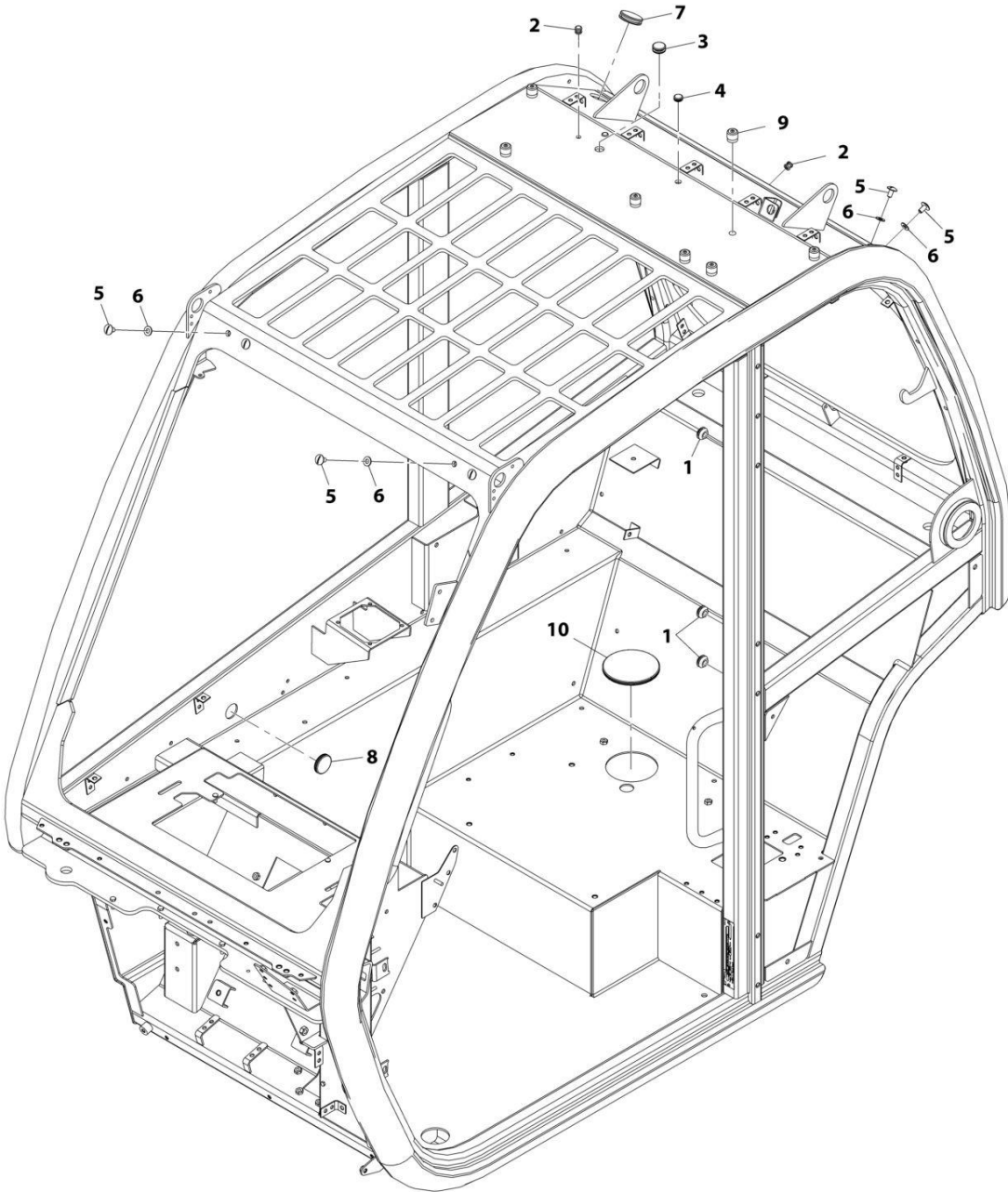
ART_1001220338-A

FIGURE 6-13. REAR WINDOW GROUP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220338	Ref	Rear Window Group	A
1	2080078	2	Fastener, M8X30	
2	3290806	2	Nut, M8X1.25 Grade 8	
3	8000759	2	Spacer	
4	8004398	2	Spacer	
5	1001005368	1	Latch, Window	
6	1001139568	2	Hinge	
7	1001171182	1	Grommet	
8	1001171183	1	Grommet	
9	1001178680	1	Glass, Rear Window	
10	1001178681	1	Seal	
11	1001181411	2	Gasket, Rear Window Hinge	

SECTION 6 - CAB

FIGURE 6-14. CAB PLUG GROUP



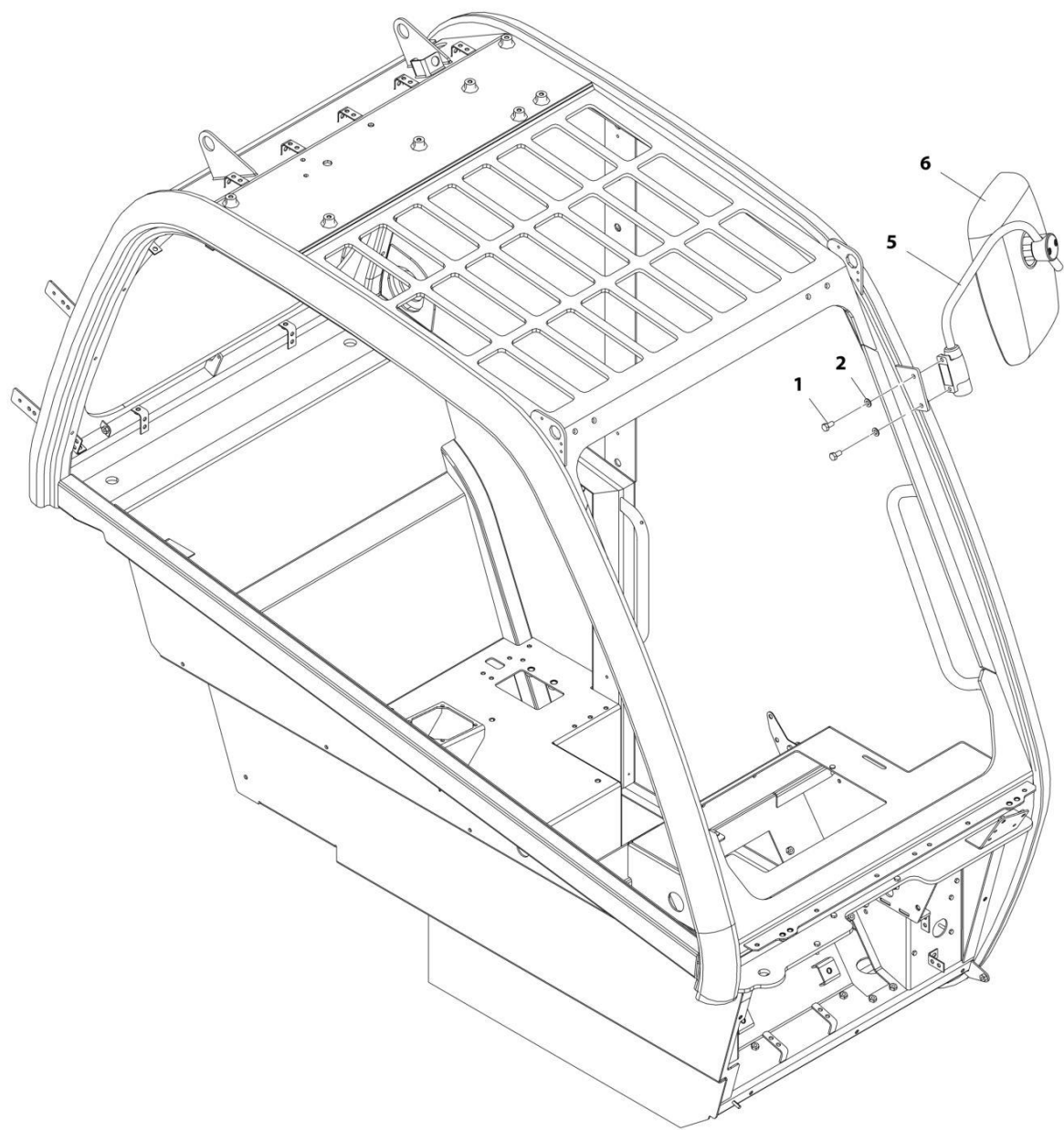
ART_1001195814-C

FIGURE 6-14. CAB PLUG GROUP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001195814	Ref	Cab Plug Group	C
1	1001143200	7	Plug	
2	1001176272	3	Plug	
3	1001176273	1	Plug	
4	1001176626	1	Plug	
5	1001181920	8	Screw, Nylon M8X16	
6	1001181921	8	Washer, Rubber M8	
7	1001182123	2	Plug	
8	1001182139	1	Plug	
9	1001219220	7	Plug	
10	1001209899	1	Plug	

SECTION 6 - CAB

FIGURE 6-15. BASIC MIRROR INSTALLATION



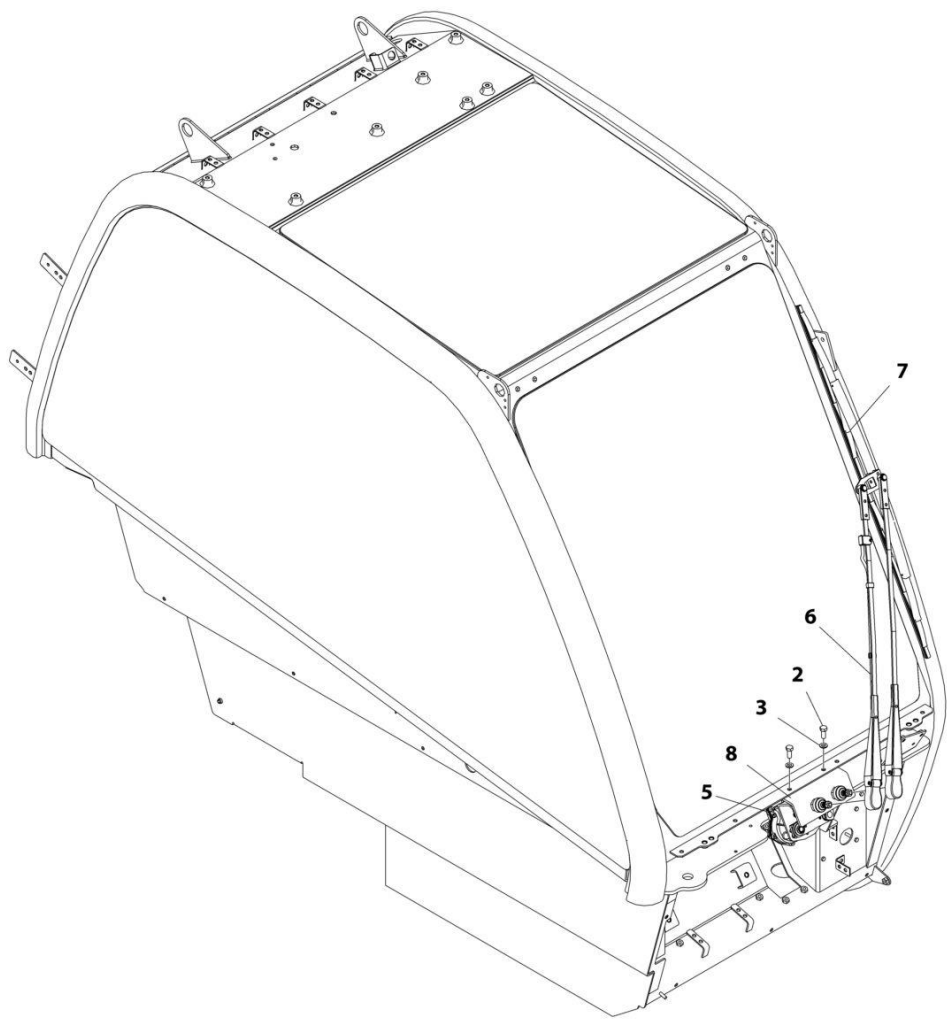
ART_1001160508-E

FIGURE 6-15. 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 6-16. FRONT WIPER INSTALLATION



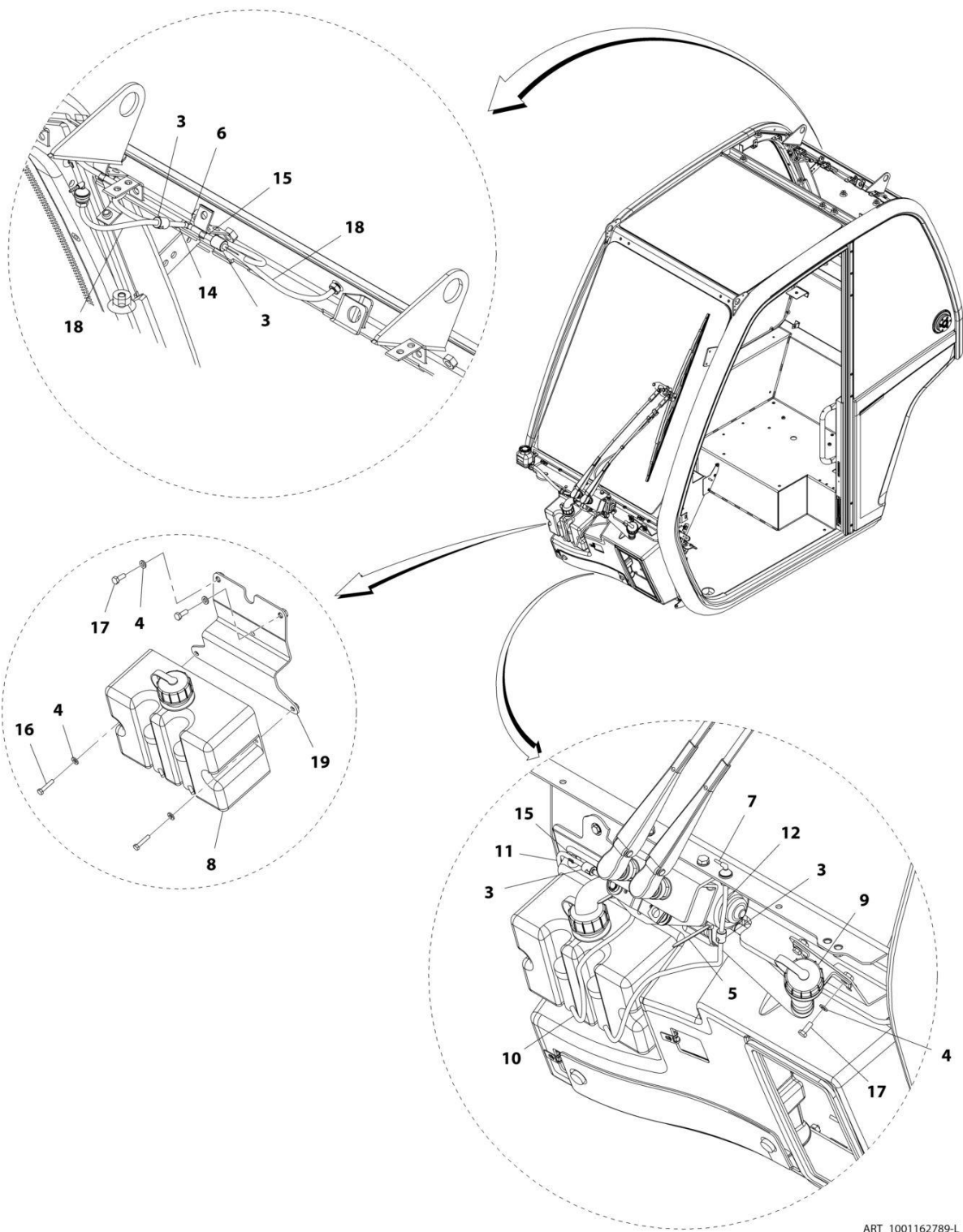
ART_1001155447-G

FIGURE 6-16. 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 6-17. WASHER TANK INSTALLATION

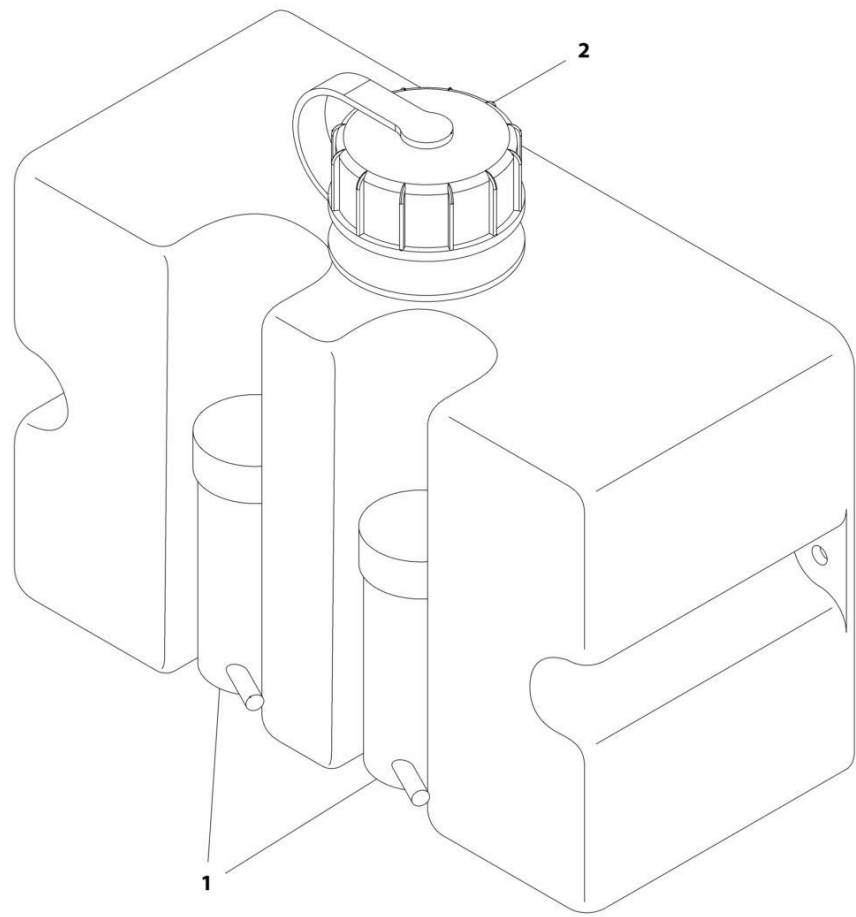


ART_1001162789-L

FIGURE 6-17. WASHER TANK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001162789	Ref	Washer Tank Installation	L
3	1001201331	4	Valve, Check	
4	4811700	6	Washer, M6	
5	471678	2	Strap, Tie	
6	1001008742	1	Coupling, Tee	
7	1001090343	1	Connector	
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 6-18. WASHER BOTTLE

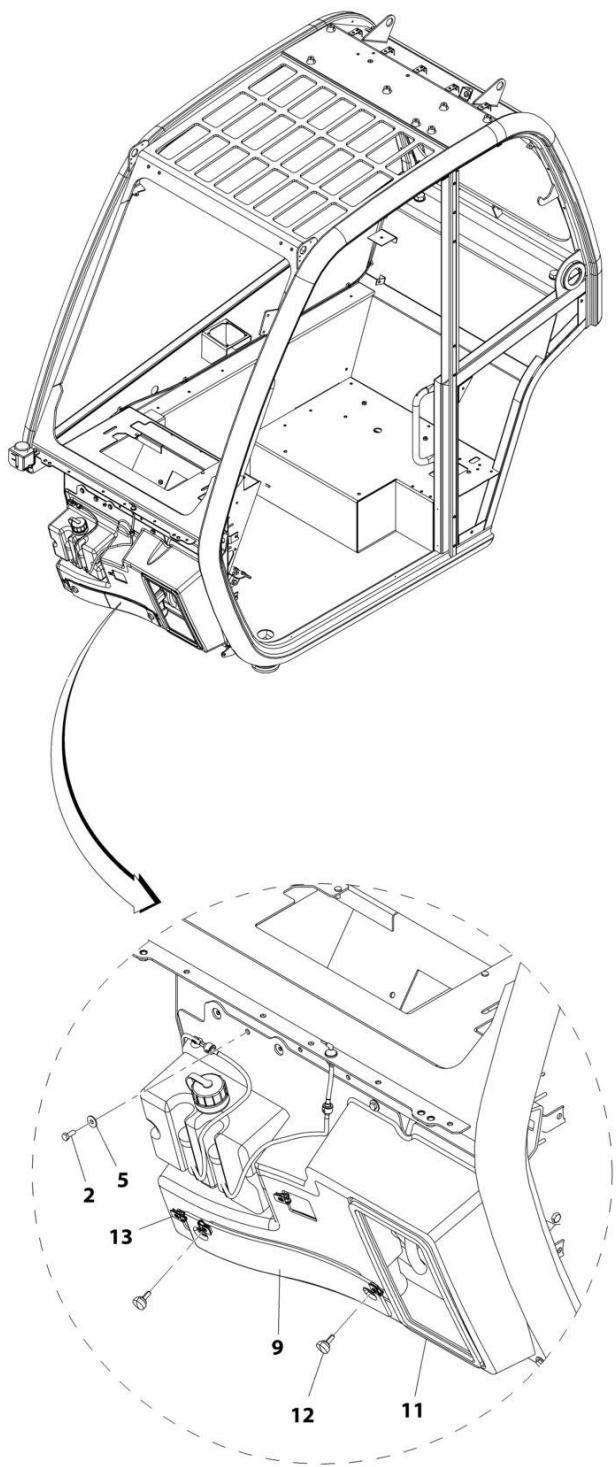


ART_1001165269-B

FIGURE 6-18. WASHER BOTTLE

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

FIGURE 6-19. FRONT COVER INSTALLATION



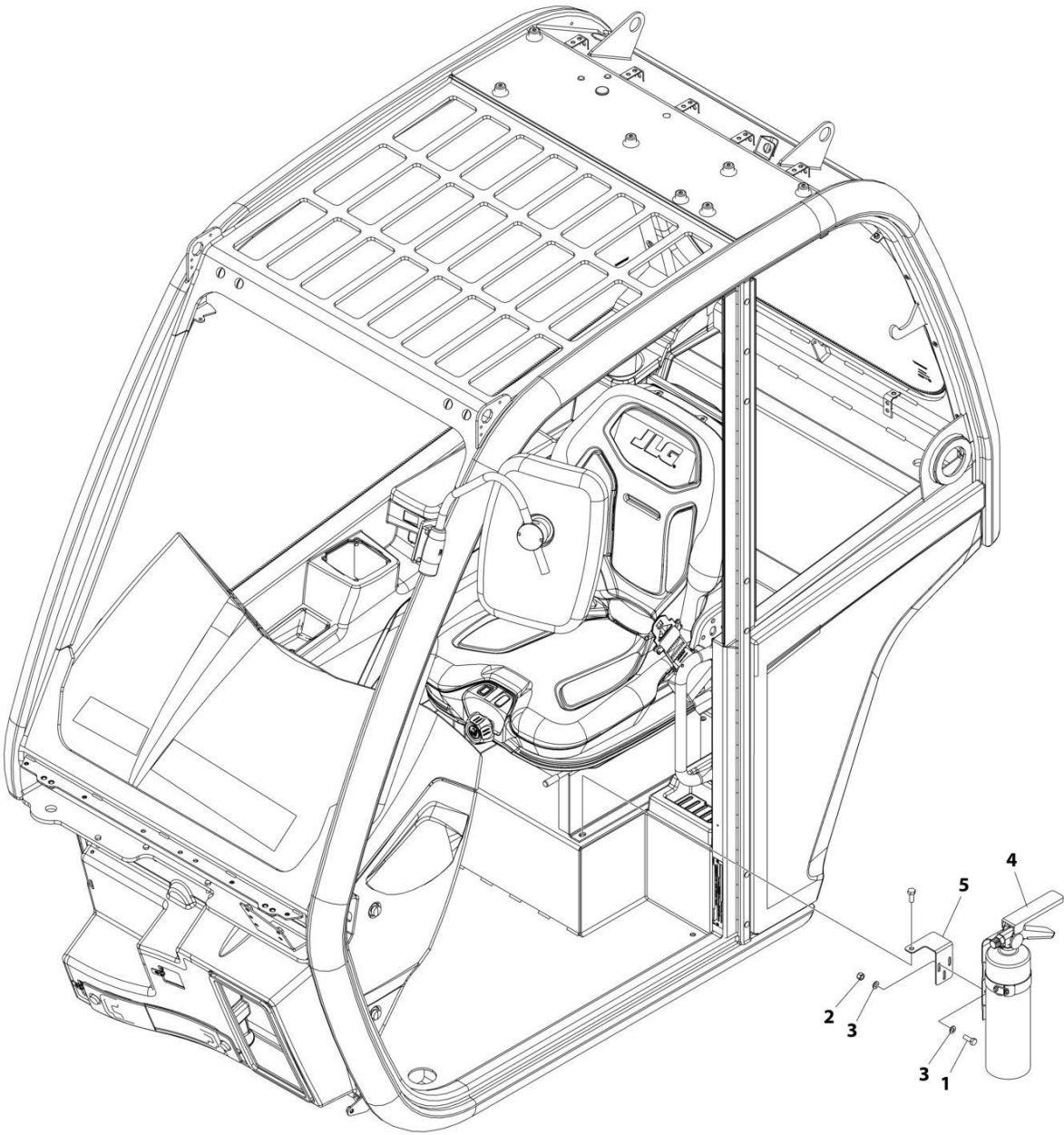
ART_1001170366-G

FIGURE 6-19. FRONT COVER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170366	Ref	Front Cover Installation	G
2	0760608	7	Bolt, M6X16	
5	4811702	7	Washer, M6	
9	1001175471	1	Panel, Filter Tray (See Separate Breakdown in this Section)	
11	1001176121	1	Cover, Front Duct (See Separate Breakdown in this Section)	
12	2080092	2	Thumb Screw, M6X16	
13	8305919	4	Nut, M6	

SECTION 6 - CAB

FIGURE 6-20. FIRE EXTINGUISHER INSTALLATION

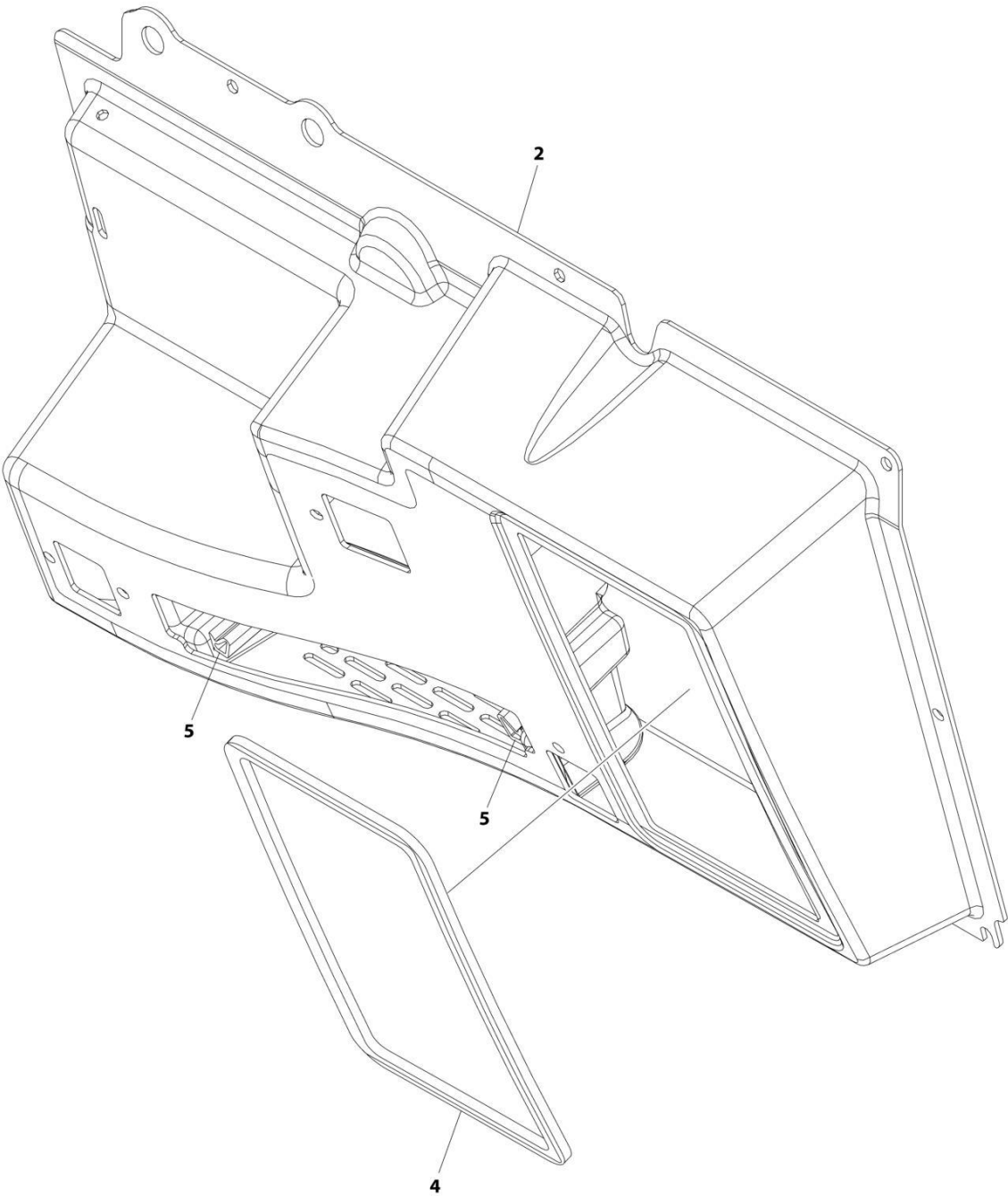


ART_1001258099

FIGURE 6-20. 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 6-21. FRONT DUCT COVER

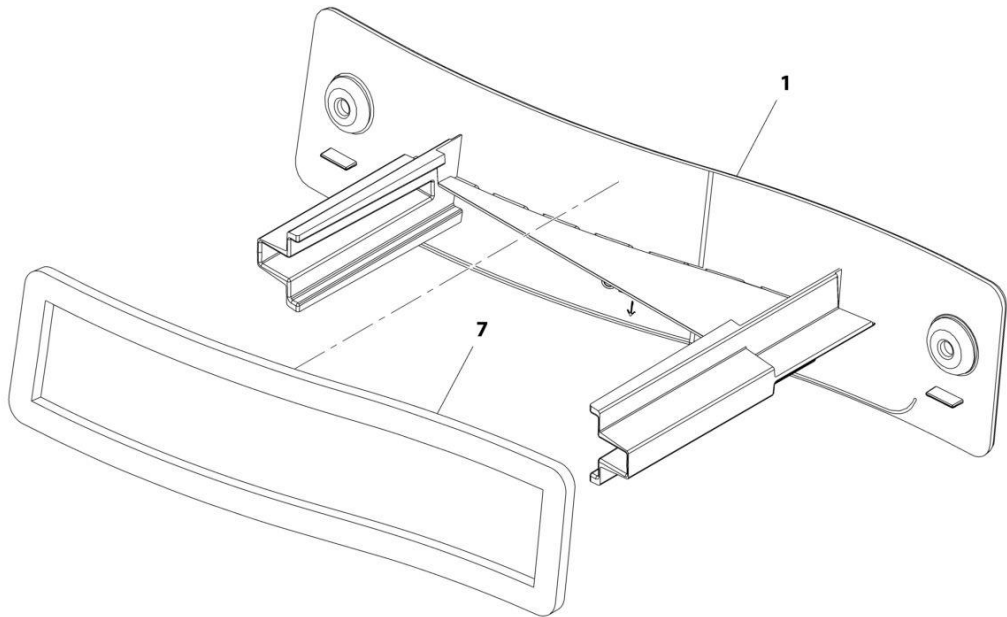


ART_1001176121

FIGURE 6-21. 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	

FIGURE 6-22. FILTER TRAY PANEL



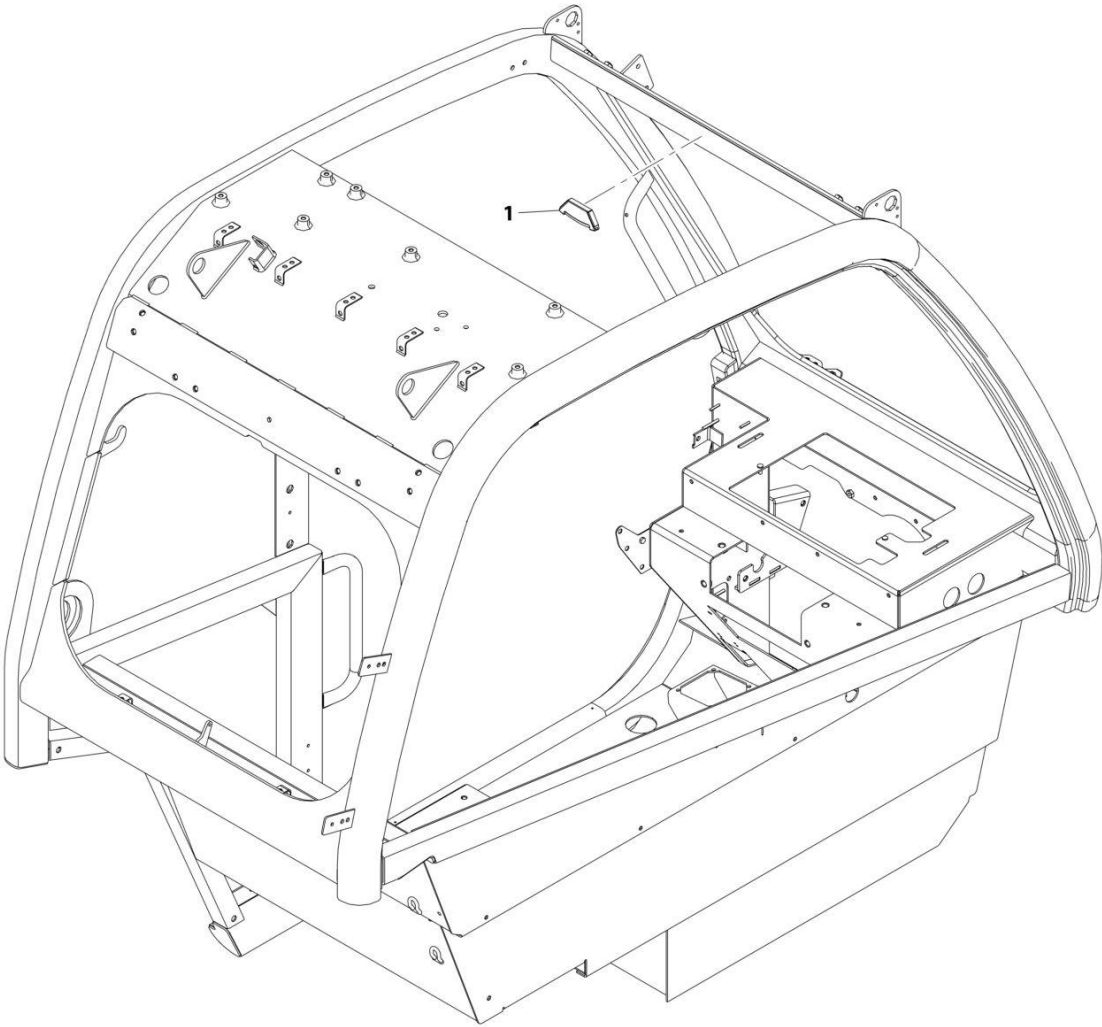
ART_1001175471-D

FIGURE 6-22. 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	

SECTION 6 - CAB

FIGURE 6-23. LEVEL INDICATOR INSTALLATION



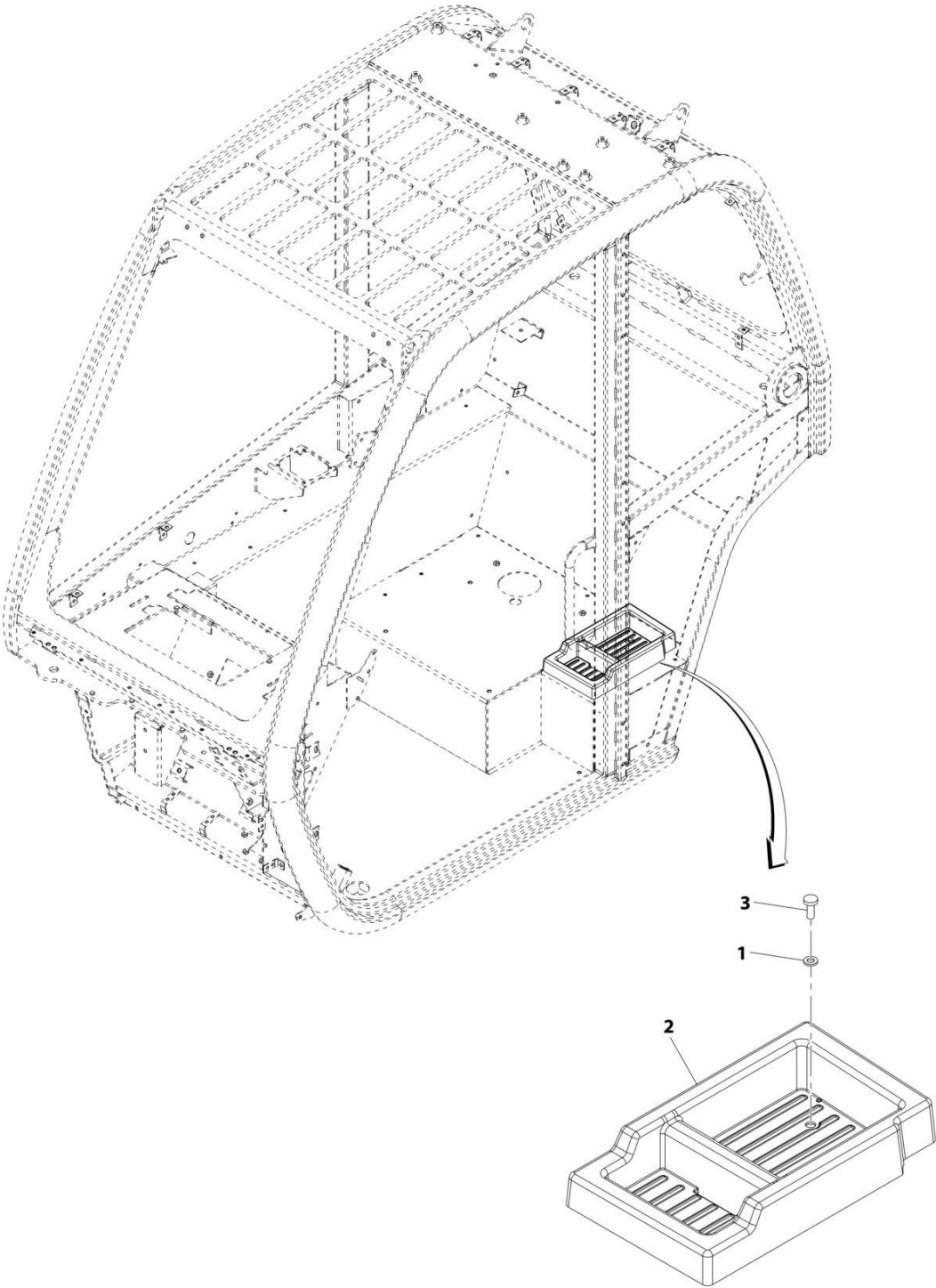
ART_1001172401-C

FIGURE 6-23. 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 6-24. CAB STORAGE TRAY INSTALLATION



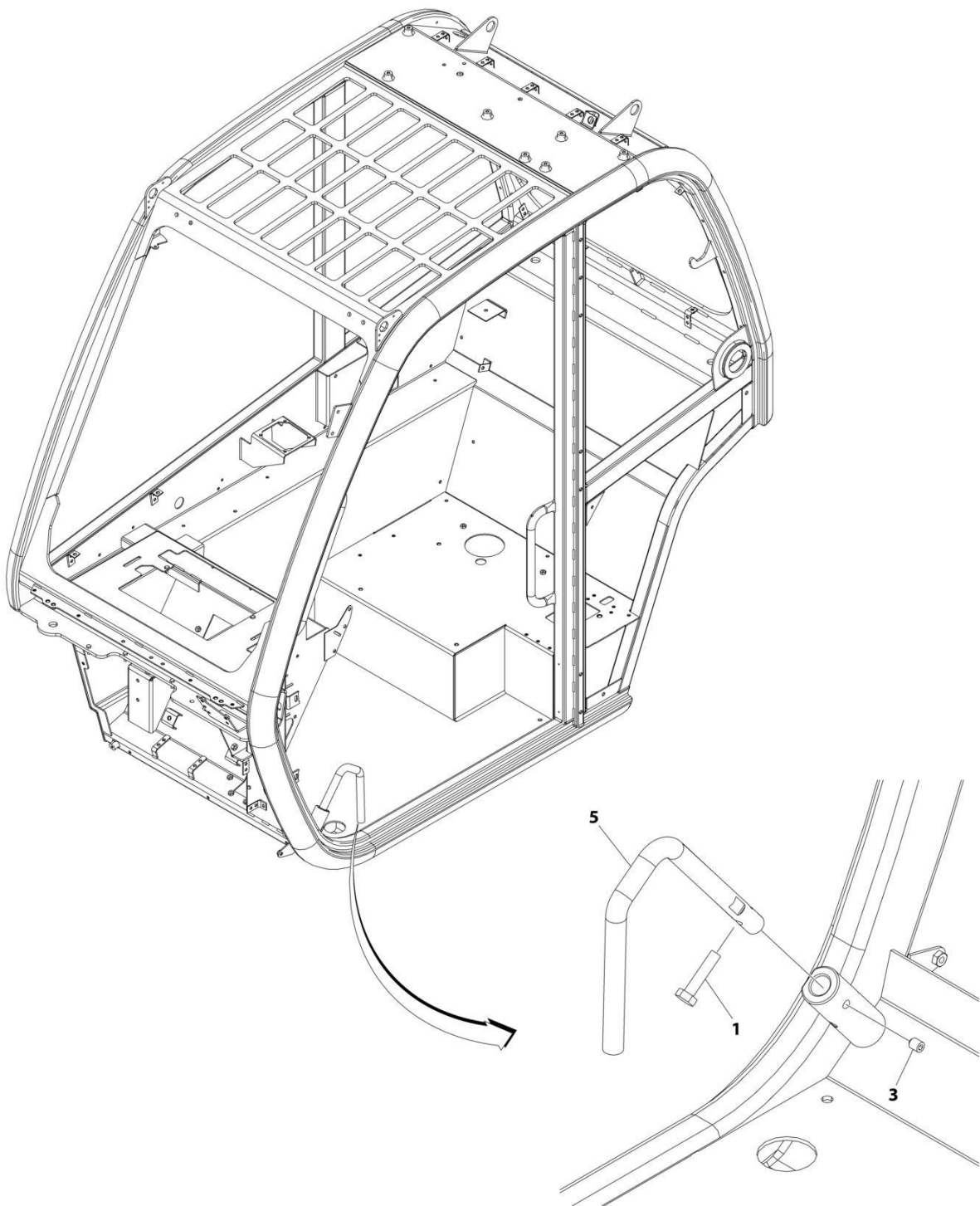
ART_1001249406-B

FIGURE 6-24. CAB STORAGE TRAY INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001249406	Ref	Cab Storage Tray Installation	B
1	4811700	1	Washer, M6	
2	1001170515	1	Insert, Storage Tray	
3	4010608002	1	Screw, Posi-Drive, M6X16	

SECTION 6 - CAB

FIGURE 6-25. GRAB HANDLE INSTALLATION

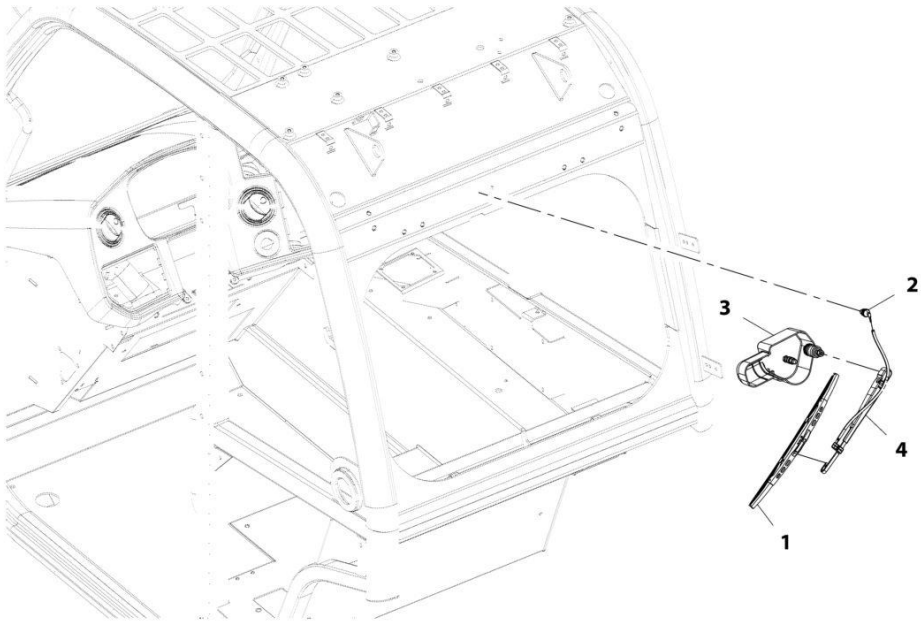


ART_1001255301_C

FIGURE 6-25. GRAB HANDLE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001255301	Ref	Grab Handle Installation	C
1	0761015001	1	Bolt, M10X35	
3	4092006	1	Bolt, M10X12	
5	1001247335	1	Handle	

FIGURE 6-26. REAR WIPER INSTALLATION



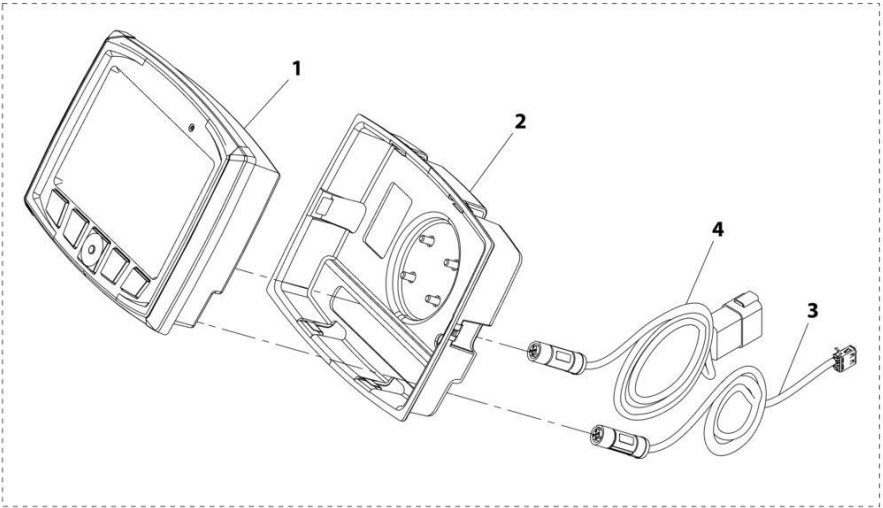
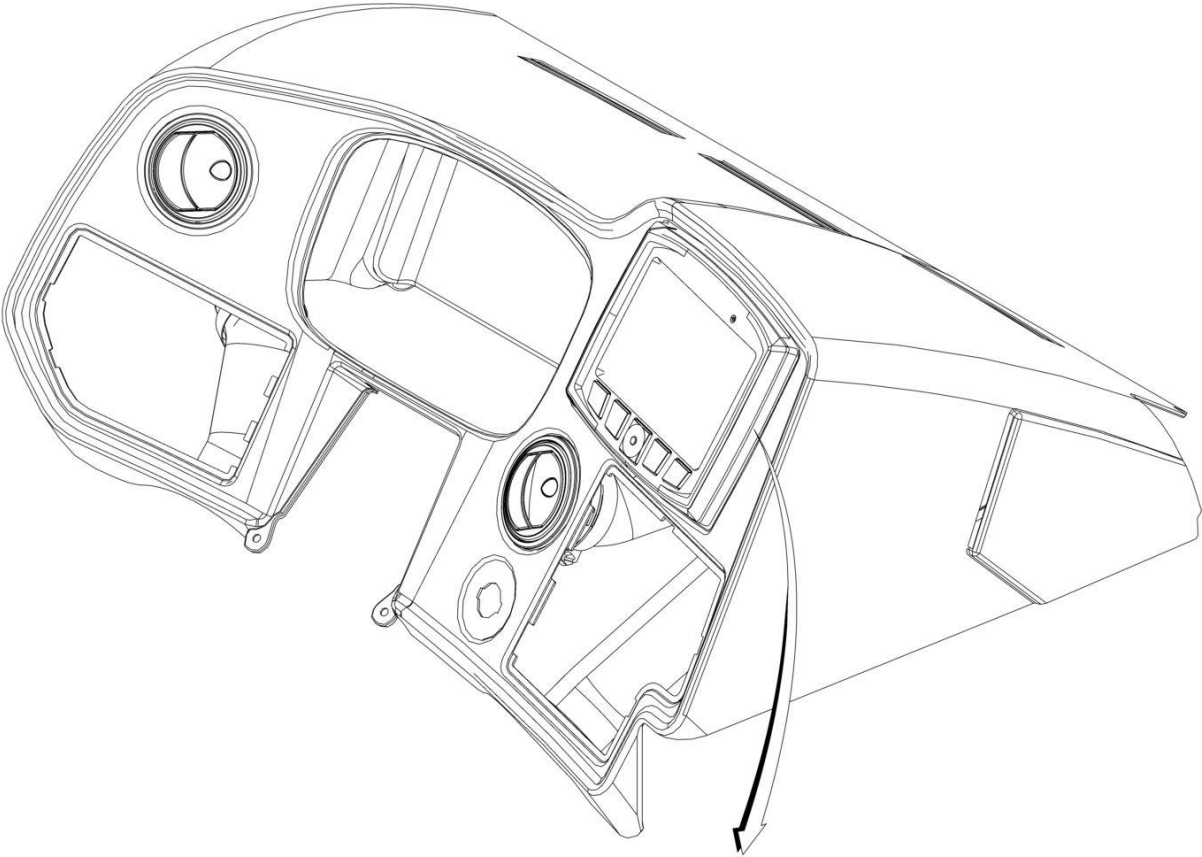
ART_1001220329-A

FIGURE 6-26. REAR WIPER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220329	Ref	Rear Wiper Installation	A
1	4807718	1	Wiper Blade, Oslv Italia	
2	1001090343	1	Connector	
3	1001139552	1	Motor, Wiper, Rear Window	
4	1001141312	1	Blade, Arm, Rear Window	

SECTION 6 - CAB

FIGURE 6-27. MULTIFUNCTION DISPLAY INSTALLATION

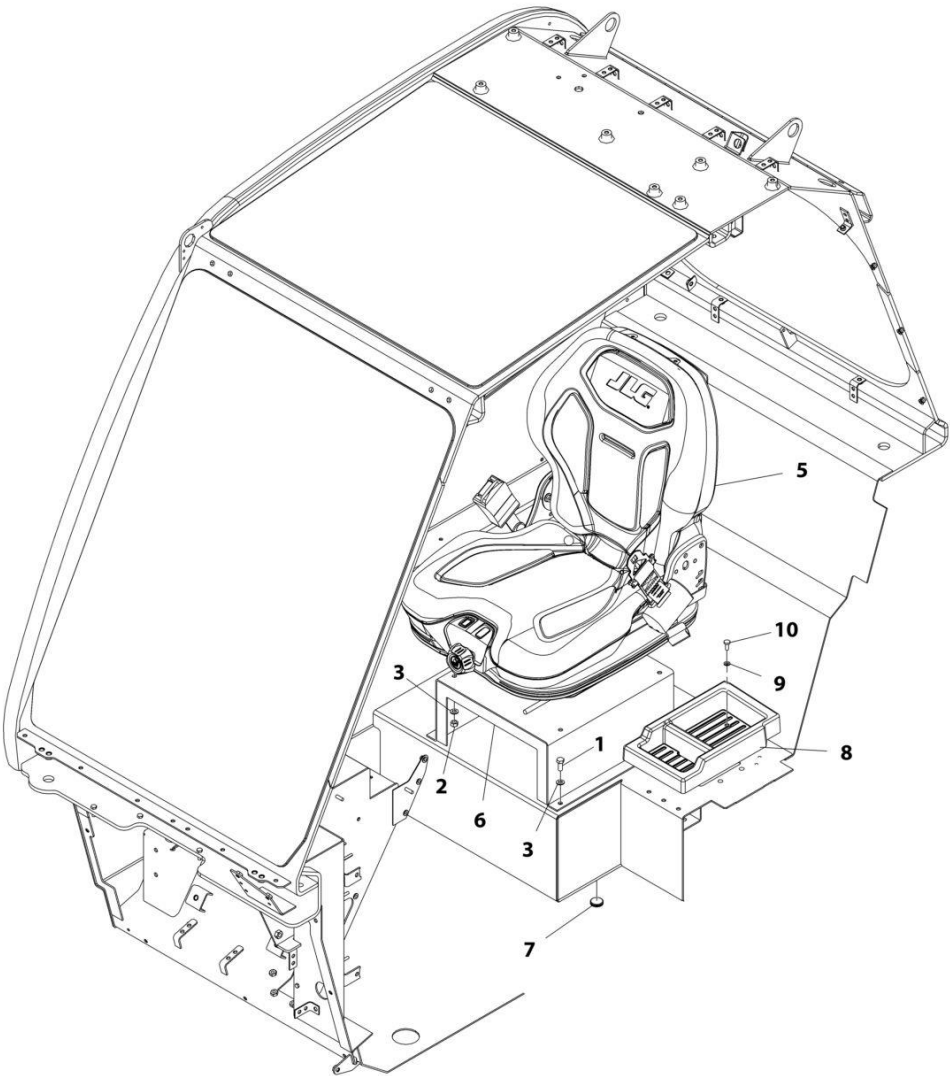


ART_1001176338-C

FIGURE 6-27. 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	

FIGURE 6-28. SEAT INSTALLATION



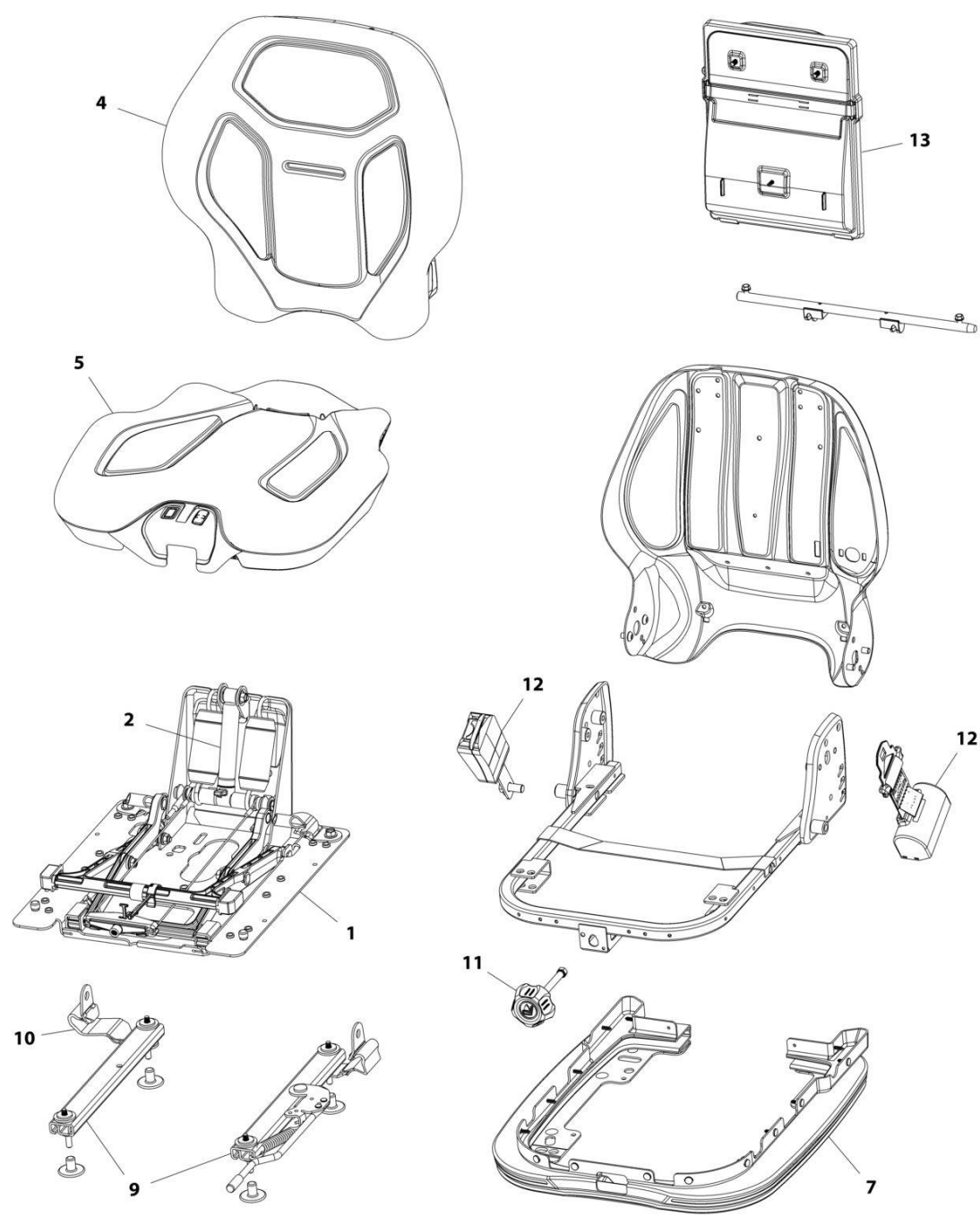
ART_1001164615-G

FIGURE 6-28. SEAT INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001164615	Ref	Seat Installation	H
1	0760810	4	Bolt, M8X20	
2	3311505	4	Nut, Lock 5/16-18	
3	4811900	8	Washer, M8	
5	1001197027	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 6-29. SUSPENSION SEAT ASSEMBLY



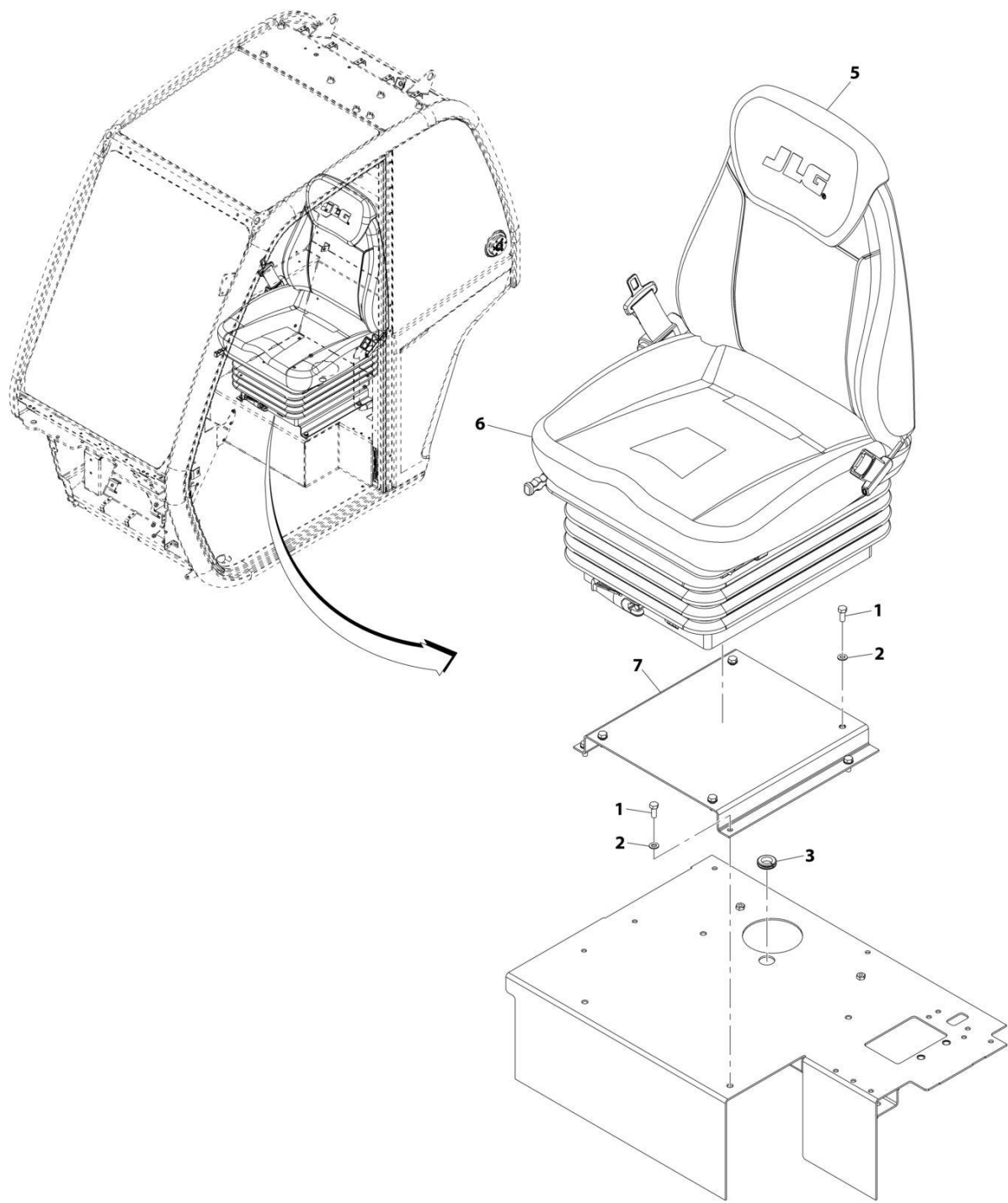
ART_1001197027-D

FIGURE 6-29. SUSPENSION SEAT ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001197027	Ref	Seat	E
1	70027024	1	Suspension Assembly Kit	
2	70027025	1	Spring Saddle Assembly Kit	
4	70027026	1	Back Cushion Kit	
5	70027028	1	Seat Cushion Assembly Kit	
7	70027030	1	Boot Kit	
9	7026798	1	Adjuster Kit	
10	70027032	1	Tether Strap	
11	70027033	1	Weight Adjust Knob Kit	
12	70027034	2	Seat Belt Kit	
13	70027035	1	Document Box Kit	

SECTION 6 - CAB

FIGURE 6-30. SEAT INSTALLATION (CLOTH)

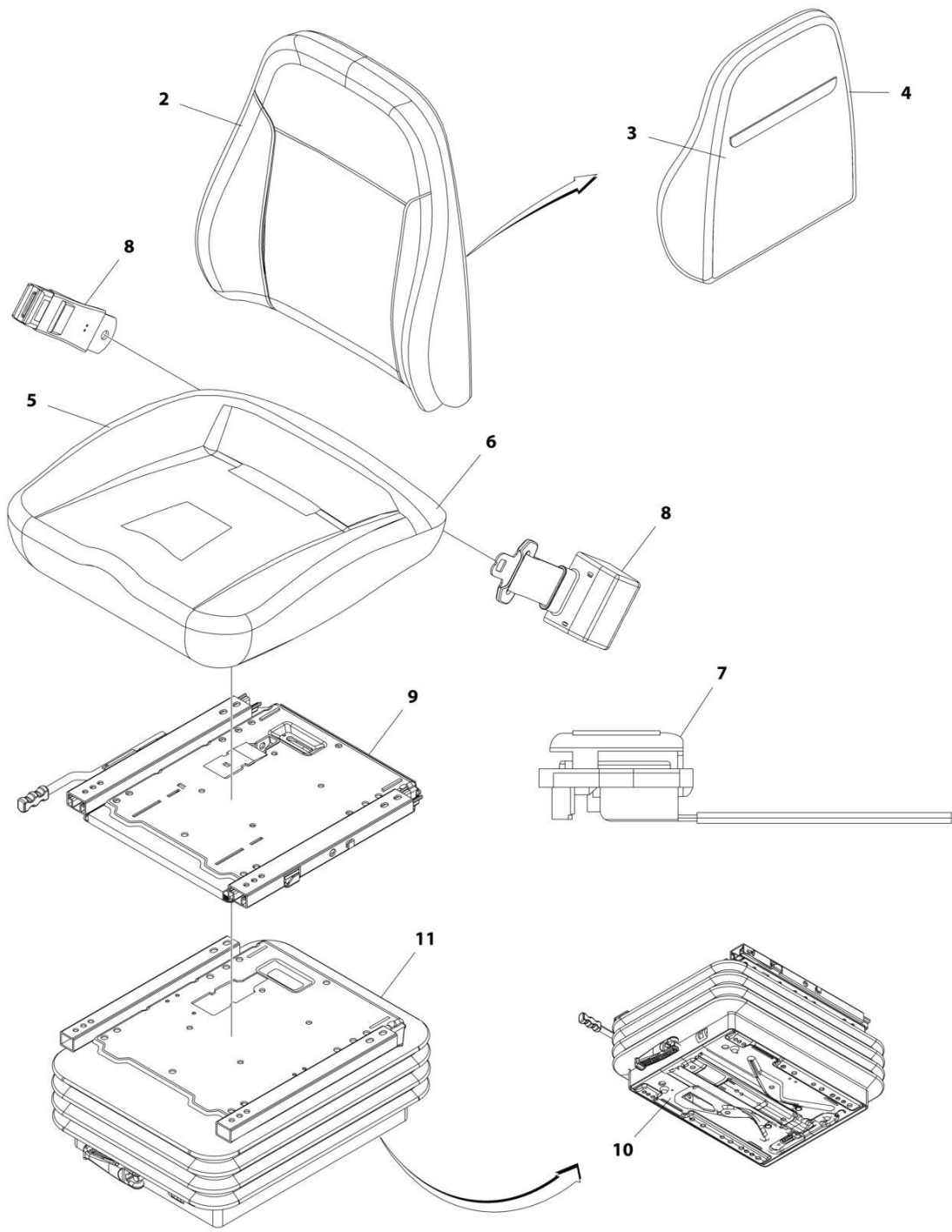


ART_1001158601-D

FIGURE 6-30. SEAT INSTALLATION (CLOTH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001158601	Ref	Seat Installation (Cloth)	D
1	0760810	8	Bolt, M8X20	
2	4811900	8	Washer, M8	
3	1001216974	1	Grommet	
5	1001119467	1	Headrest, Cloth	
6	1001150294	1	Assembly, Seat (See Separate Breakdown in this Section)	
7	1001158738C	1	Plinth, Seat	

FIGURE 6-31. SEAT ASSEMBLY



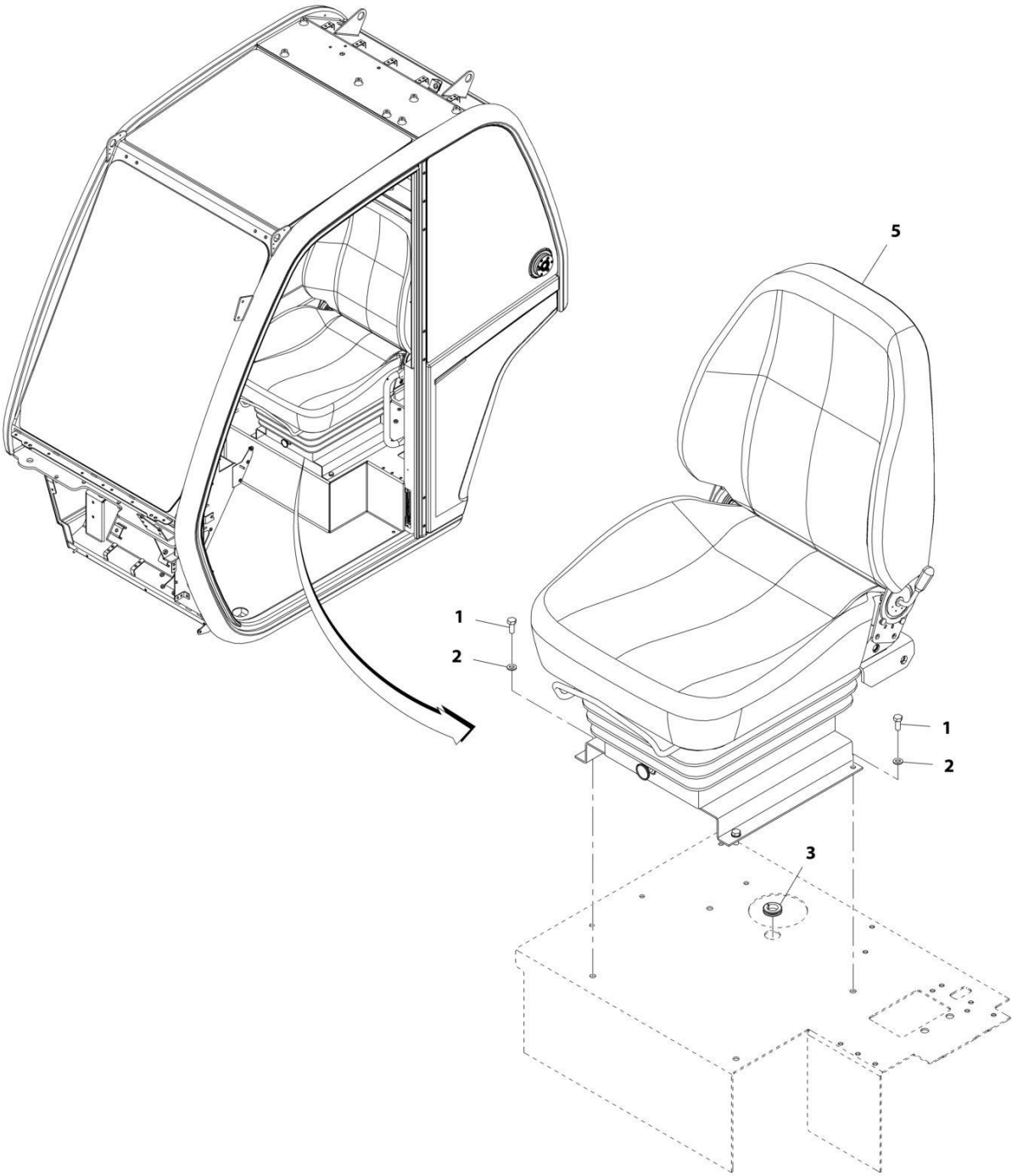
ART_1001150294

FIGURE 6-31. SEAT ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001150294	Ref	CLOTH SEAT	F
2	70025489	1	Fabric, Upper Seat	
3	70025490	1	Cover, Back	
4	70025483	1	Foam, Back	
5	70025491	1	Cover, Seat	
6	70025485	1	Foam, Seat	
7	70025486	1	Switch, Contact	
8	7029767	1	Belt, Seat	
9	70021252	1	Rail, Slide	
10	70021251	1	Unit, Suspension	
11	70022034	1	Cover, Rubber	

SECTION 6 - CAB

FIGURE 6-32. SEAT INSTALLATION (AIR SUSPENSION - STANDARD)



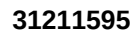
ART_1001158596-D

FIGURE 6-32. SEAT INSTALLATION (AIR SUSPENSION - STANDARD)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001158596	Ref	Seat Installation (Air Suspension - Standard)	D
1	0760810	4	Bolt, M8X20	
2	4811900	4	Washer, M8	
3	1001216974	1	Grommet	
5	1001165573	1	Assembly, Seat (See Separate Breakdown in this Section)	

426

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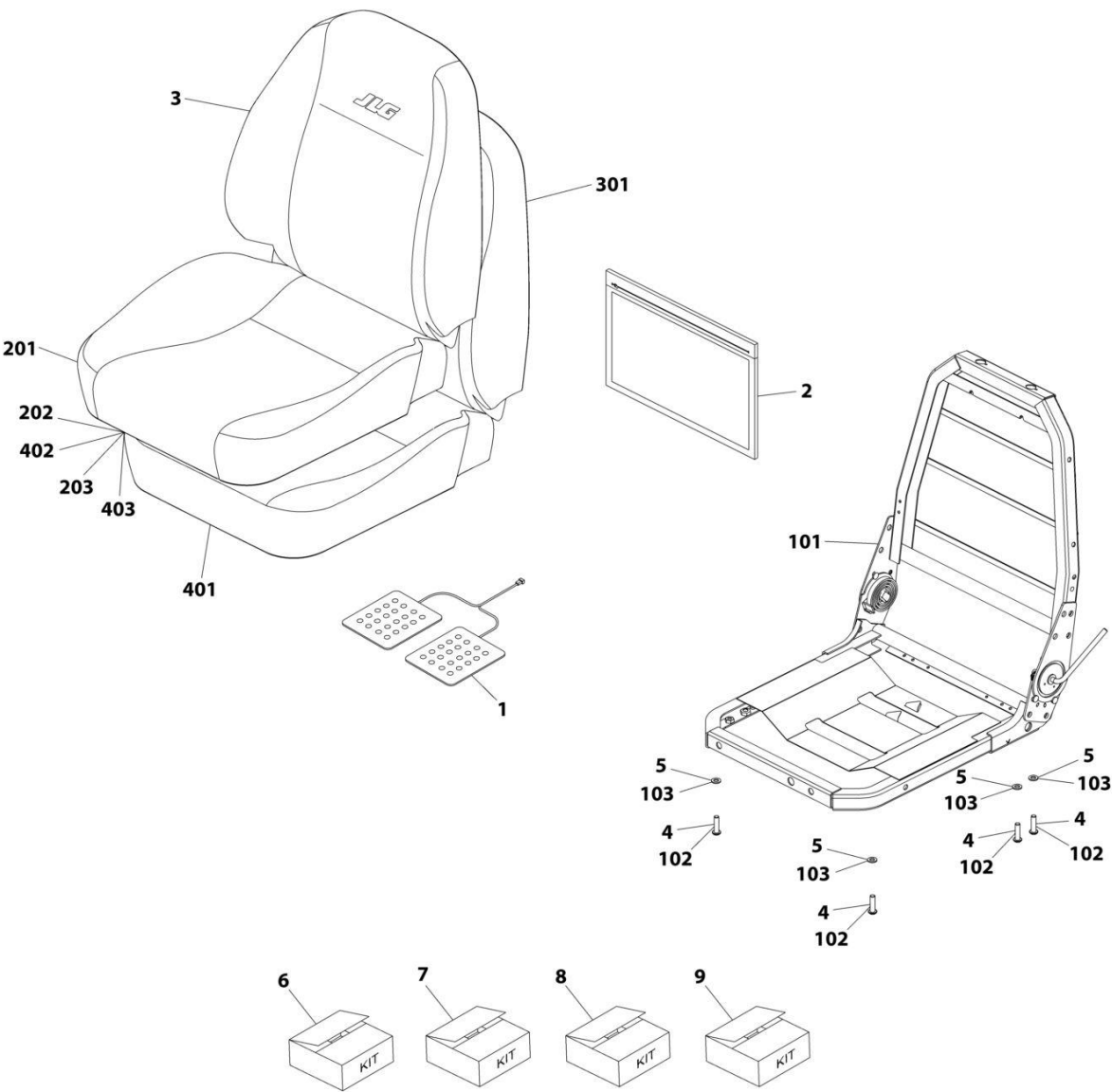
ART 1001165573-C

FIGURE 6-33. SEAT ASSEMBLY (AIR SUSPENSION - STANDARD)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001165573	Ref	Seat Assembly (Air Suspension - Standard)	C
1	70027392	1	Assembly, Upper Seat (See Separate Breakdown in this Section)	
2	70021317	1	Kit, Cross Strap (includes items 101 thru 109)	
3	70021318	1	Kit, Fore and Aft Adjustment (includes items 201 thru 210)	
4	70021319	1	Kit, Suspension (See Separate Breakdown in this Section)	
5	70027395	1	Kit, Adapter Plate (includes items 301 thru 304)	
6	70021322	1	Kit, Slide Rail Stop (includes items 401 & 402)	
101	N.S.S.	1	Channel	
102	N.S.S.	1	Channel	
103	N.S.S.	1	Plate, Strap	
104	N.S.S.	1	Plate, Strap	
105	N.S.S.	4	Bolt, M8X25	
106	N.S.S.	6	Nut, M8	
107	N.S.S.	10	Washer	
108	N.S.S.	6	Bolt, M8X30	
109	N.S.S.	12	Spacer	
201	N.S.S.	4	Washer, Spring M8	
202	N.S.S.	1	Nut, M8	
203	N.S.S.	1	Washer	
204	N.S.S.	1	Bolt, M8X16	
205	N.S.S.	1	Bolt, M8X30	
206	N.S.S.	1	Washer	
207	N.S.S.	1	Spacer	
208	N.S.S.	1	Handle	
209	N.S.S.	1	Rail, Slide	
210	N.S.S.	1	Rail, Slide	
301	N.S.S.	1	Bolt, M8X25	
302	N.S.S.	1	Bolt, M8X16	
303	N.S.S.	1	Washer	
304	N.S.S.	1	Plate, Adapter	
401	N.S.S.	1	Stop, Sliderail	
402	N.S.S.	1	Bolt, M8X16	

SECTION 6 - CAB

FIGURE 6-34. UPPER SEAT ASSEMBLY



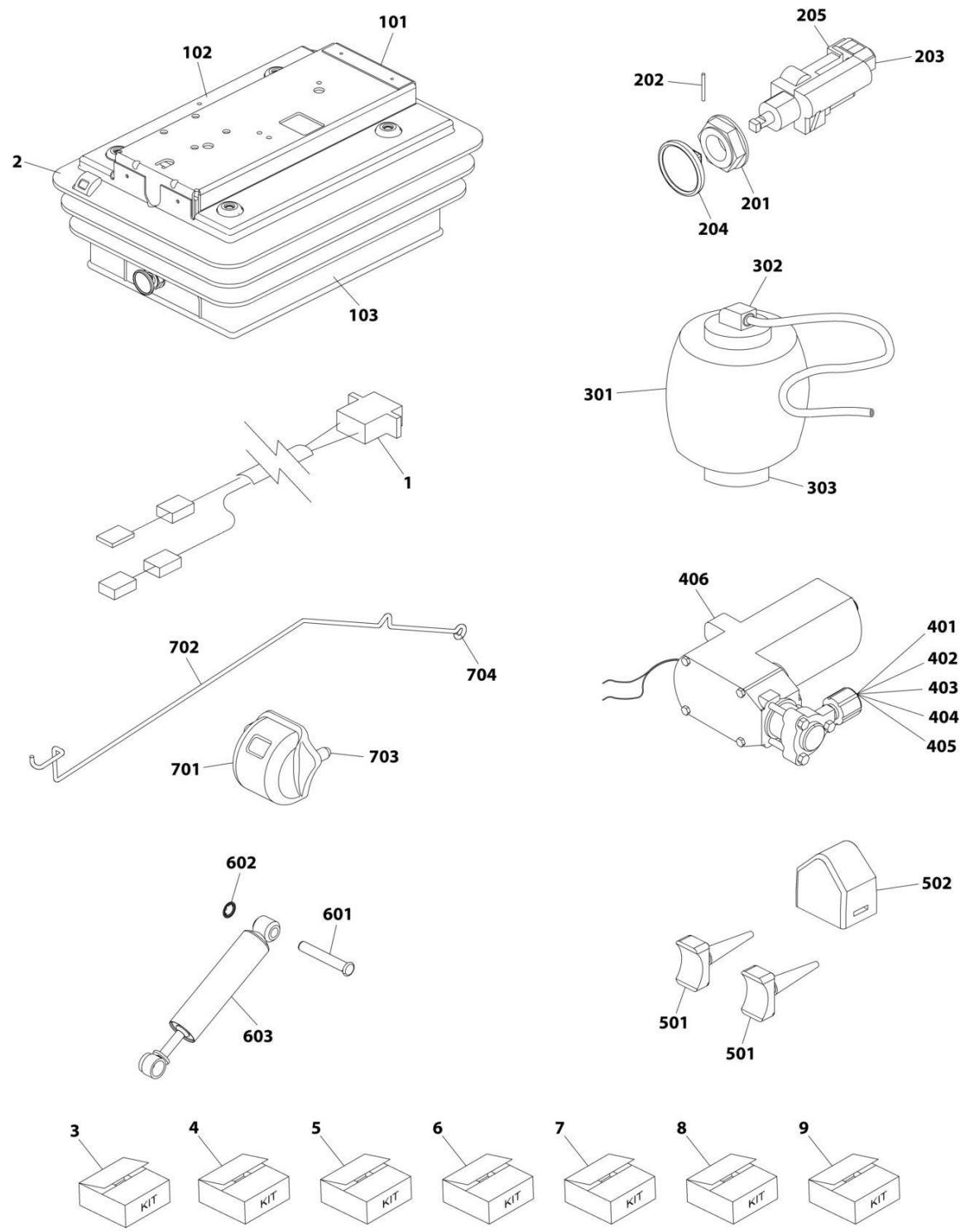
ART_70027392

FIGURE 6-34. UPPER SEAT ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70027392	Ref	Upper Seat Assembly	
1	70025539	1	Pad, Sensor	
2	70021316	1	Bag	
3	70027393	1	Cover, Back	
4	N.S.S.	4	Bolt, M8X25	
5	N.S.S.	4	Washer	
6	70021314	1	Kit, Frame (includes items 101 thru 103)	
7	70027394	1	Kit, Bottom Seat Cover (includes items 201 thru 203)	
8	80264002	1	Kit, Back Foam (includes items 301 thru 303)	
9	80264004	1	Kit, Seat Foam (includes items 401 thru 403)	
101	N.S.S.	1	Frame, Seat	
102	N.S.S.	4	Bolt, M8X25	
103	N.S.S.	4	Washer	
201	N.S.S.	1	Cover, Seat	
202	N.S.S.	2	Clip	
203	N.S.S.	17	Clip	
301	N.S.S.	1	Foam, Back	
302	N.S.S.	3	Bar, Trim	
303	N.S.S.	4	Ring	
401	N.S.S.	1	Foam, Seat	
402	N.S.S.	2	Clip	
403	N.S.S.	17	Clip	

SECTION 6 - CAB

FIGURE 6-35. SUSPENSION KIT



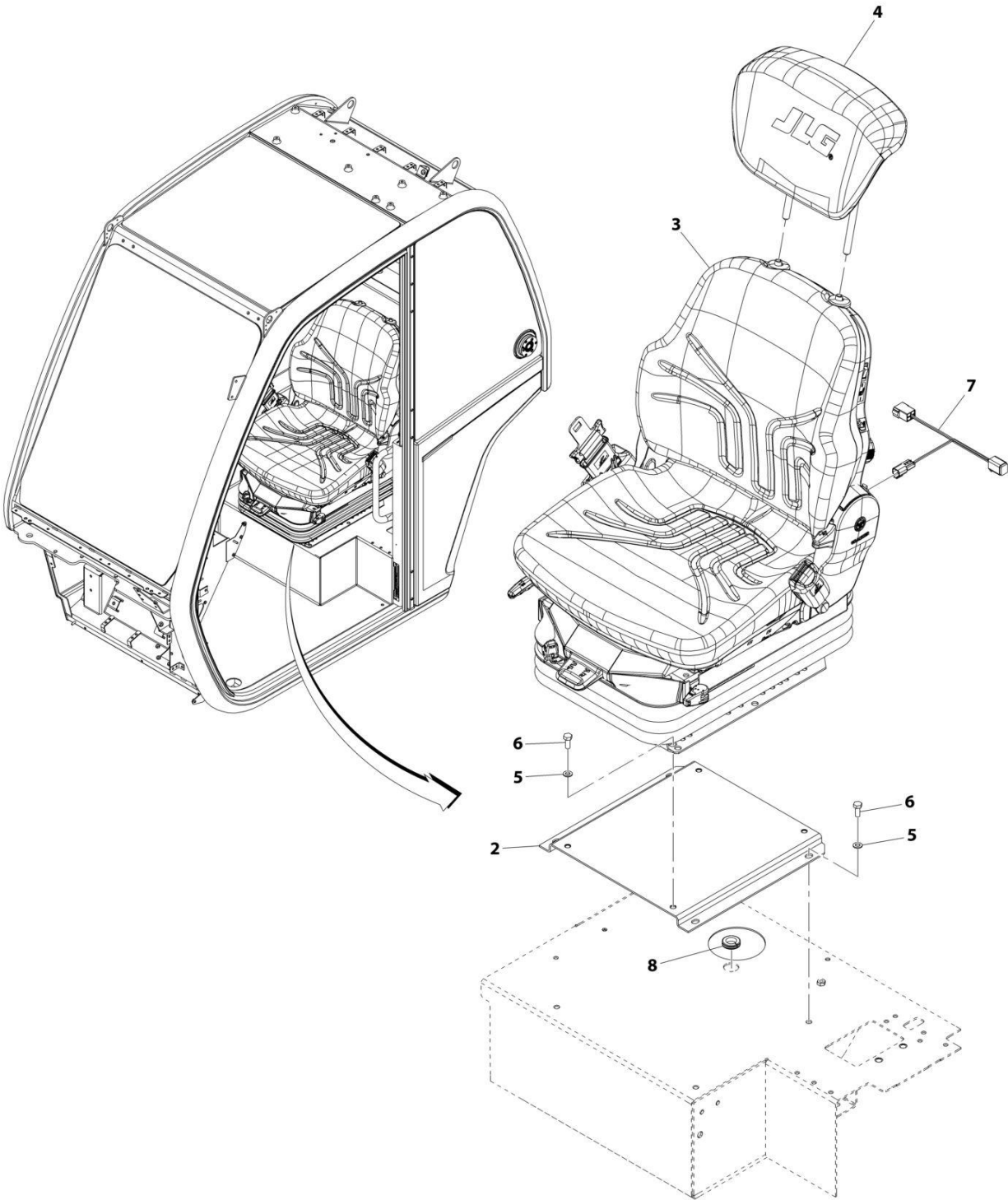
ART_70021319

FIGURE 6-35. SUSPENSION KIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70021319	Ref	Suspension Kit	
1	70021330	1	Lead, Fly	
2	N.S.S.	1	Suspension	
3	70021321	1	Kit, Suspension Cover (includes items 101 thru 103)	
4	70021323	1	Kit, Air Valve (includes items 201 thru 205)	
5	70021324	1	Kit, Air Spring (includes items 301 thru 303)	
6	70021325	1	Kit, Compressor (includes items 401 thru 406)	
7	70021326	1	Kit, Upstop/Bumpstop (includes items 501 & 502)	
8	70021327	1	Kit, Damper (includes items 601 thru 603)	
9	70021328	1	Kit, Ride Indicator (includes items 701 thru 704)	
101	N.S.S.	6	Clip, Cover	
102	N.S.S.	1	Cover, Suspension	
103	N.S.S.	5	Clip, Cover	
201	N.S.S.	1	Nut, Air Valve	
202	N.S.S.	1	Pin, Retaining	
203	N.S.S.	1	Valve, Combination	
204	N.S.S.	1	Knob	
205	N.S.S.	2	Tie, Plastic	
301	N.S.S.	1	Spring, Air	
302	N.S.S.	1	Clip	
303	N.S.S.	1	Screw, Countersunk Self Tapping	
401	N.S.S.	1	Clip	
402	N.S.S.	1	Pad	
403	N.S.S.	1	Loom	
404	N.S.S.	2	Tie, Cable	
405	N.S.S.	3	Tie, Plastic	
406	N.S.S.	1	Compressor (with Elbow)	
501	N.S.S.	2	Upstop	
502	N.S.S.	1	Bumpstop	
601	N.S.S.	2	Pin	
602	N.S.S.	2	Washer, Starlock	
603	N.S.S.	1	Damper	
701	N.S.S.	1	Indicator, Ride	
702	N.S.S.	1	Wire, Ride Indicator	
703	N.S.S.	2	Washer, Starlock	
704	N.S.S.	1	Washer, Grip M4	

SECTION 6 - CAB

FIGURE 6-36. SEAT INSTALLATION (AIR SUSPENSION - PREMIUM)



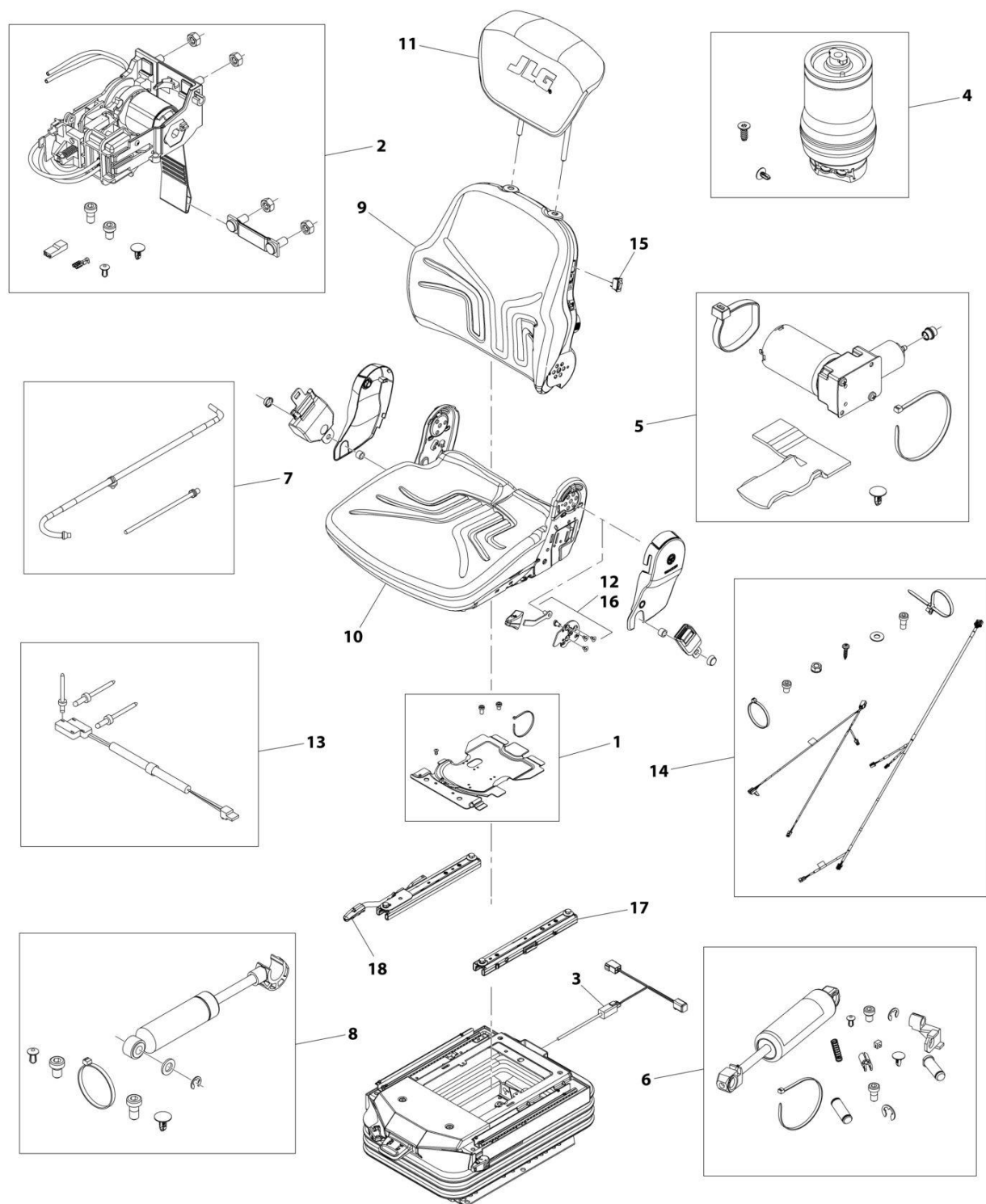
ART_1001182530-F

FIGURE 6-36. SEAT INSTALLATION (AIR SUSPENSION - PREMIUM)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001182530	Ref	Seat Installation (Air Suspension - Premium)	F
2	1001158736C	1	Plinth, Seat	
3	1001169135	1	Assembly, Seat (See Separate Breakdown in this Section)	
4	1001182529	1	Headrest	
5	4811900	8	Washer, M8	
6	0760810	8	Bolt, M8X20	
7	1001168531	1	Harness, Seat Adaptor (See Separate Breakdown in ELECTRICAL Section)	
8	1001216974	1	Grommet	

SECTION 6 - CAB

FIGURE 6-37. SEAT ASSEMBLY (AIR SUSPENSION - PREMIUM)

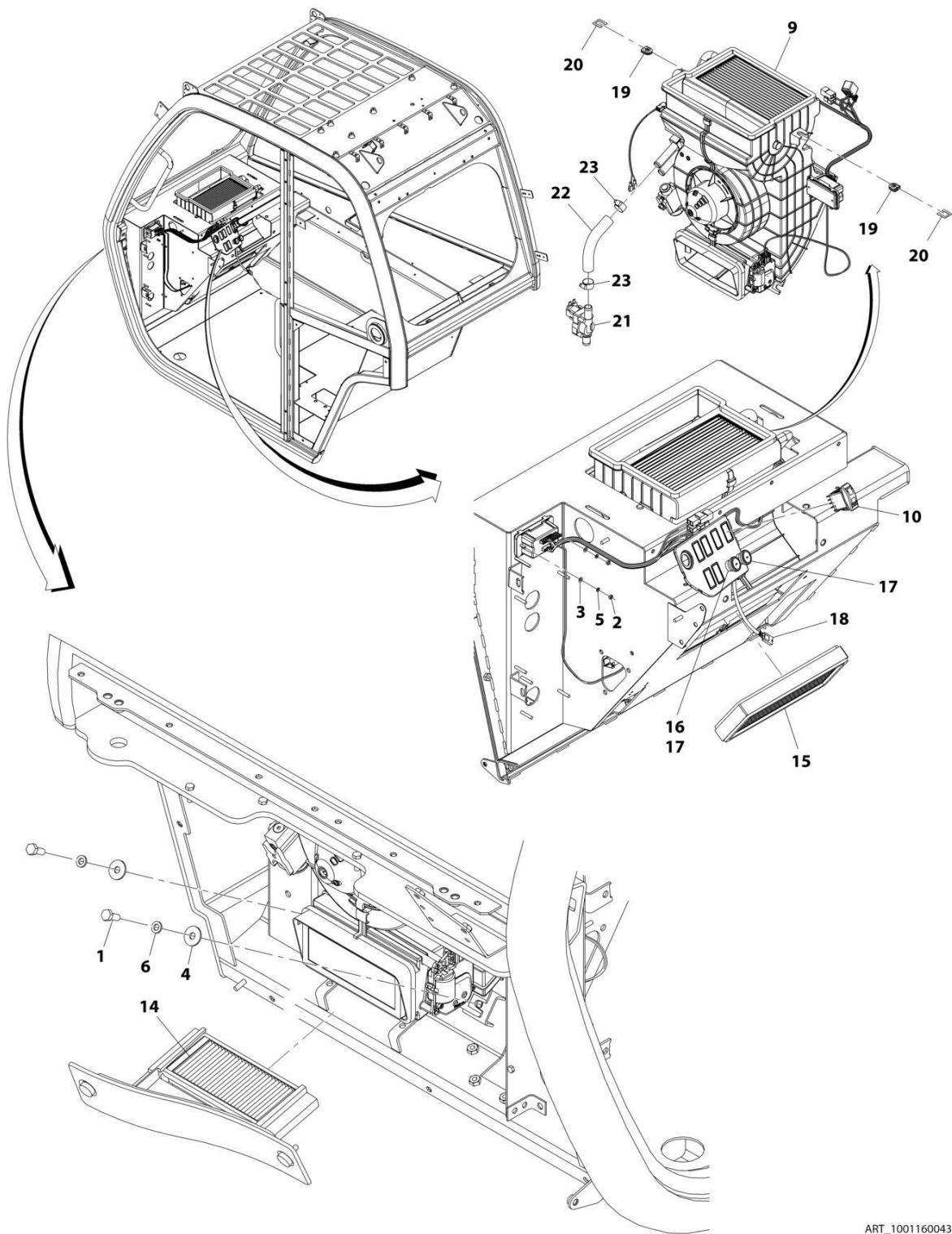


ART_1001169135-B

FIGURE 6-37. SEAT ASSEMBLY (AIR SUSPENSION - PREMIUM)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001169135	Ref	Seat Assembly (Air Suspension - Premium)	B
1	70024856	1	Cover	
2	70023182	1	Control Level Kit	
3	70023186	1	Wiring Harness, Air/Safeswitch	
4	70023184	1	Air Spring Kit	
5	70024857	1	Compressor, 12V	
6	70023181	1	Shock Absorber Kit	
7	70024459	1	Air Tubes Kit	
8	70023189	2	Shock Absorber Kit	
9	70023179	1	Back Cushion Kit	
10	70024858	1	Seat Cushion Kit	
11	1001182529	1	Headrest, Cloth	
12	70024859	1	Backrest Actuator	
13	70028326	1	Switch	
14	70024861	1	Wiring Harness	
15	70024107	1	Switch, Heater	
16	7028621	1	Handle, Backrest Angle Adjust	
17	3986643	1	Adjust Slide Kit	
18	3986610	1	Handle	

FIGURE 6-38. HEATER INSTALLATION



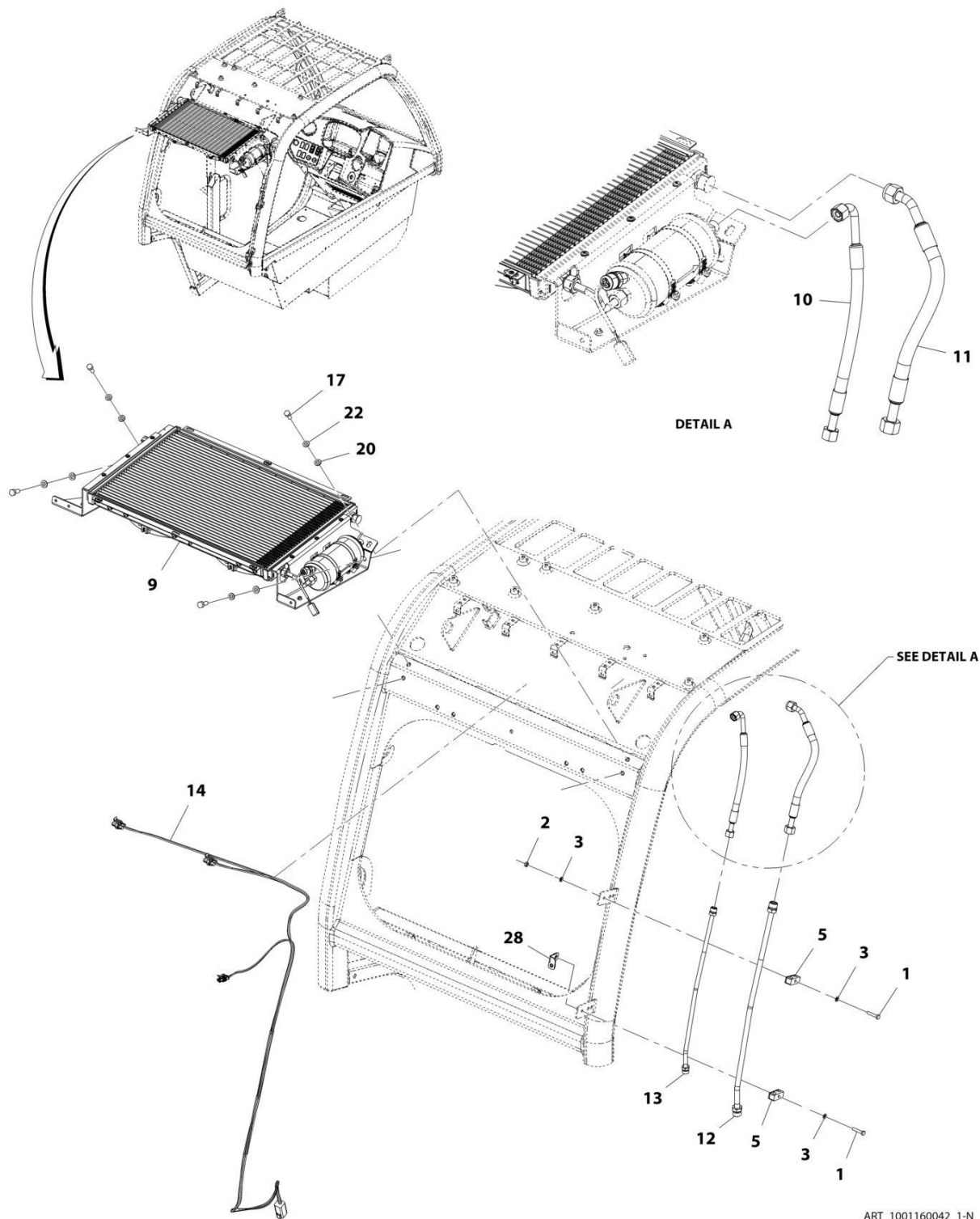
ART_1001160043-K

FIGURE 6-38. HEATER INSTALLATION

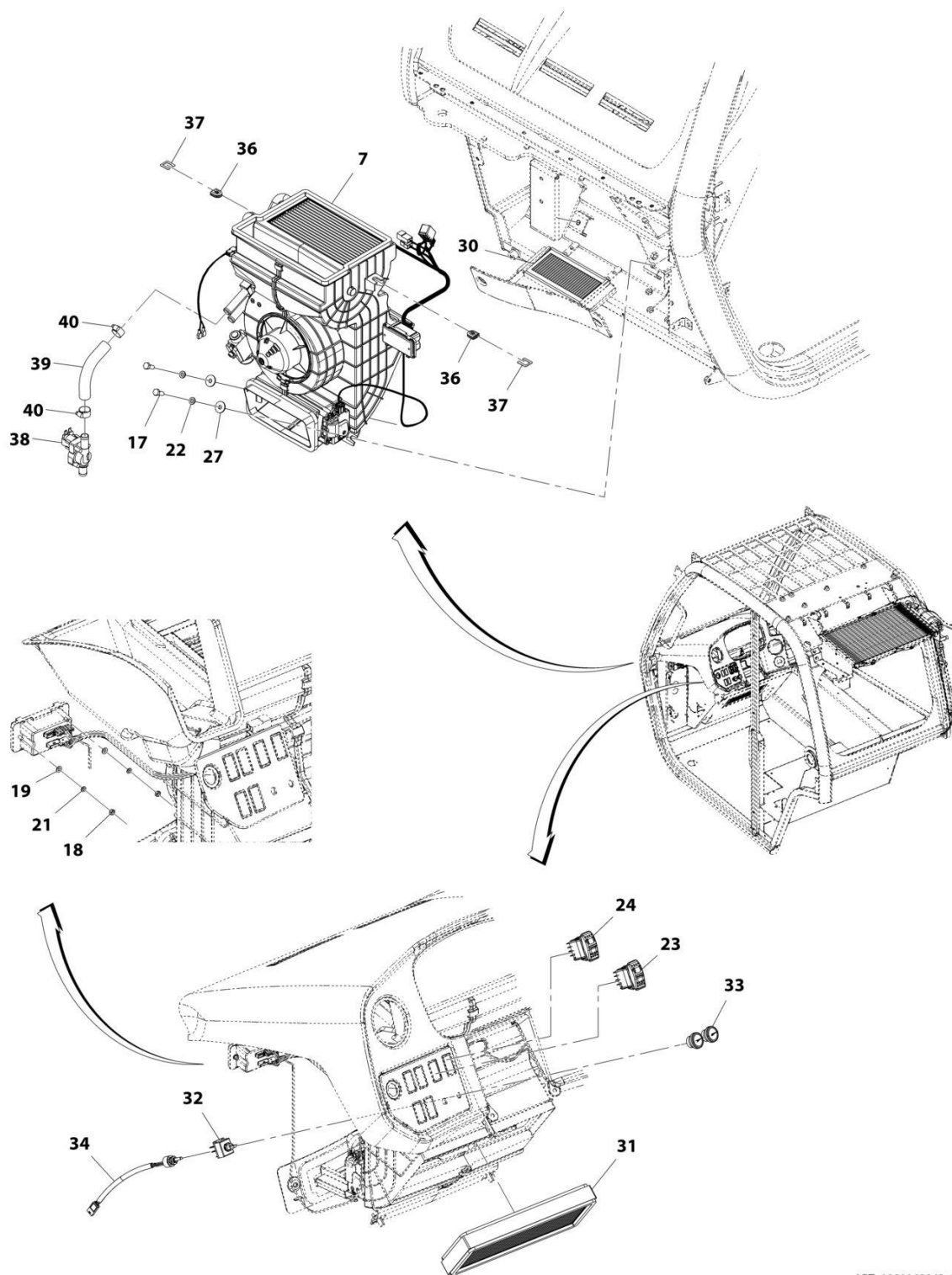
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001160043	Ref	Heater Installation	K
1	0760810	2	Bolt, M8X20	
2	3290401	2	Nut, M4X0.7	
3	4811400	2	Washer, M4	
4	4811902	2	Washer, M8	
5	4831400	2	Washer, Lock M4	
6	4831900	2	Washer, M8	
9	1001161858	1	Assembly, Heater (See Separate Breakdown in this Section)	
10	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	1001218529	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 6-39. HEATER AND A/C INSTALLATION (CAB PARTS)



ART_1001160042_1-N



ART_1001160042_2-N

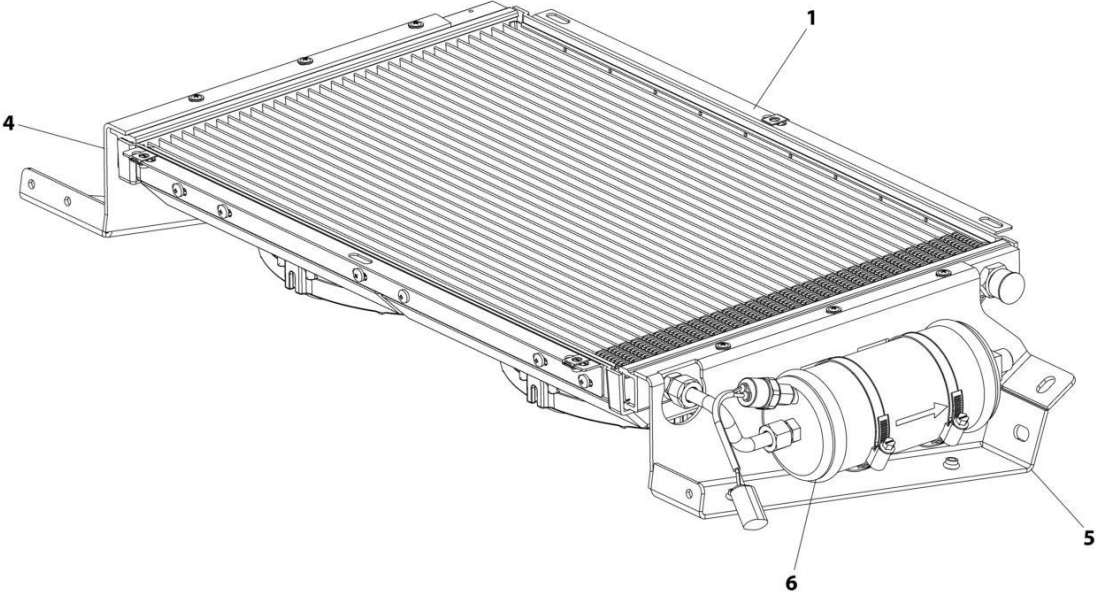
SECTION 6 - CAB

FIGURE 6-39. HEATER AND A/C INSTALLATION (CAB PARTS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001160042	Ref	Heater and A/C Installation (Cab Parts)	N
1	0700614	2	Bolt, M6X30	
2	3290601	1	Nut, M6X1	
3	4811700	3	Washer, M6	
5	1001145539	2	Support, Pipe	
7	1001188303	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, M8X20 GR8.8	
18	3290401	2	Nut, M4X0.7	
19	4811400	2	Washer, M4	
20	4811900	4	Washer, M8	
21	4831400	2	Washer, Lock M4	
22	4831900	6	Washer, Lock 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	1001218529	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 6-40. CAB CONDENSER ASSEMBLY

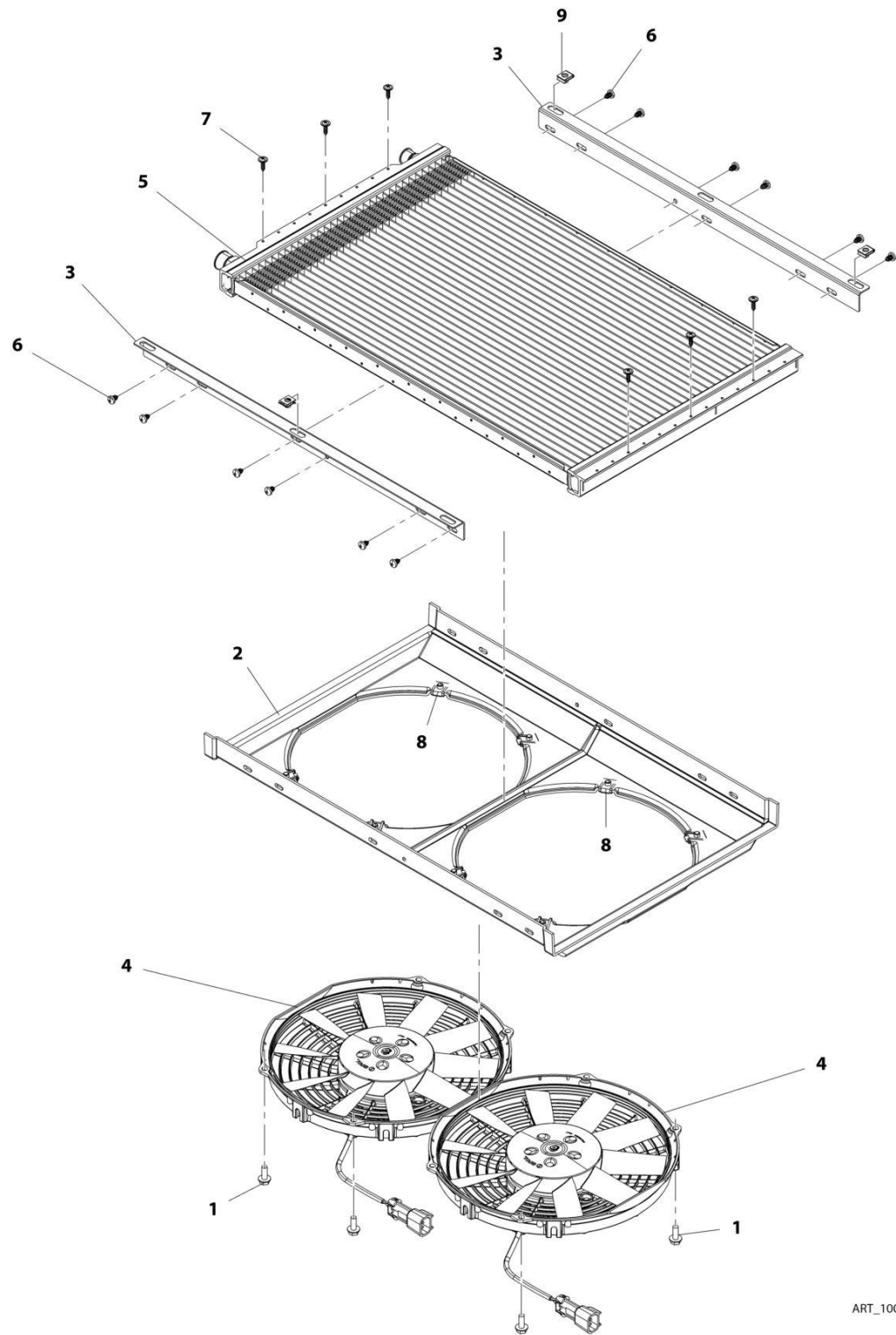


ART_1001162953

FIGURE 6-40. 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 6-41. CONDENSER

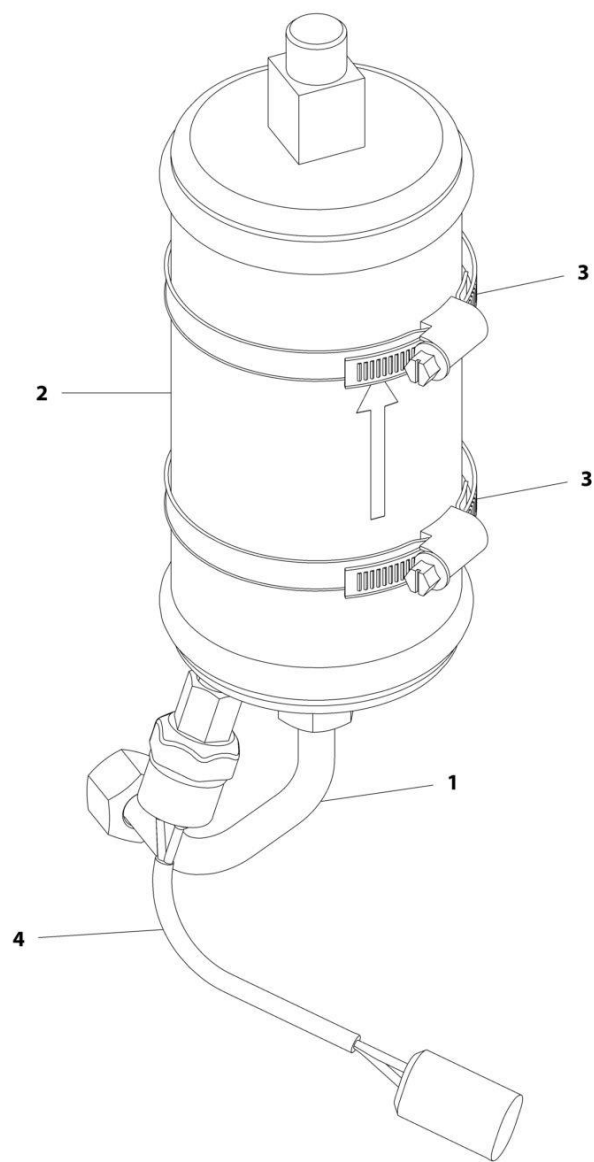


ART_1001167266-C

FIGURE 6-41. 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	

FIGURE 6-42. A/C RECEIVER DRIER

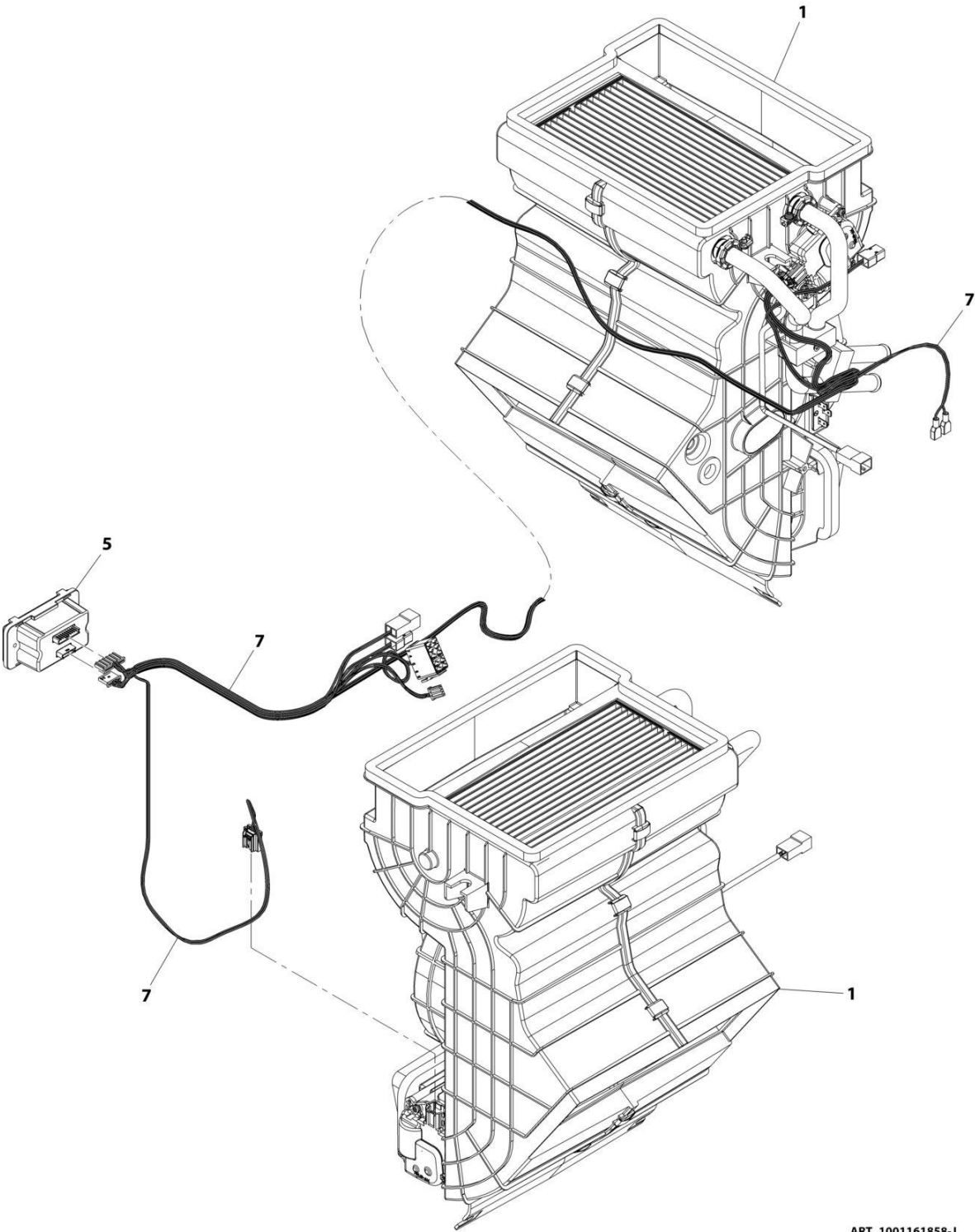


ART_1001179130-B

FIGURE 6-42. 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 6-43. HEATER ASSEMBLY



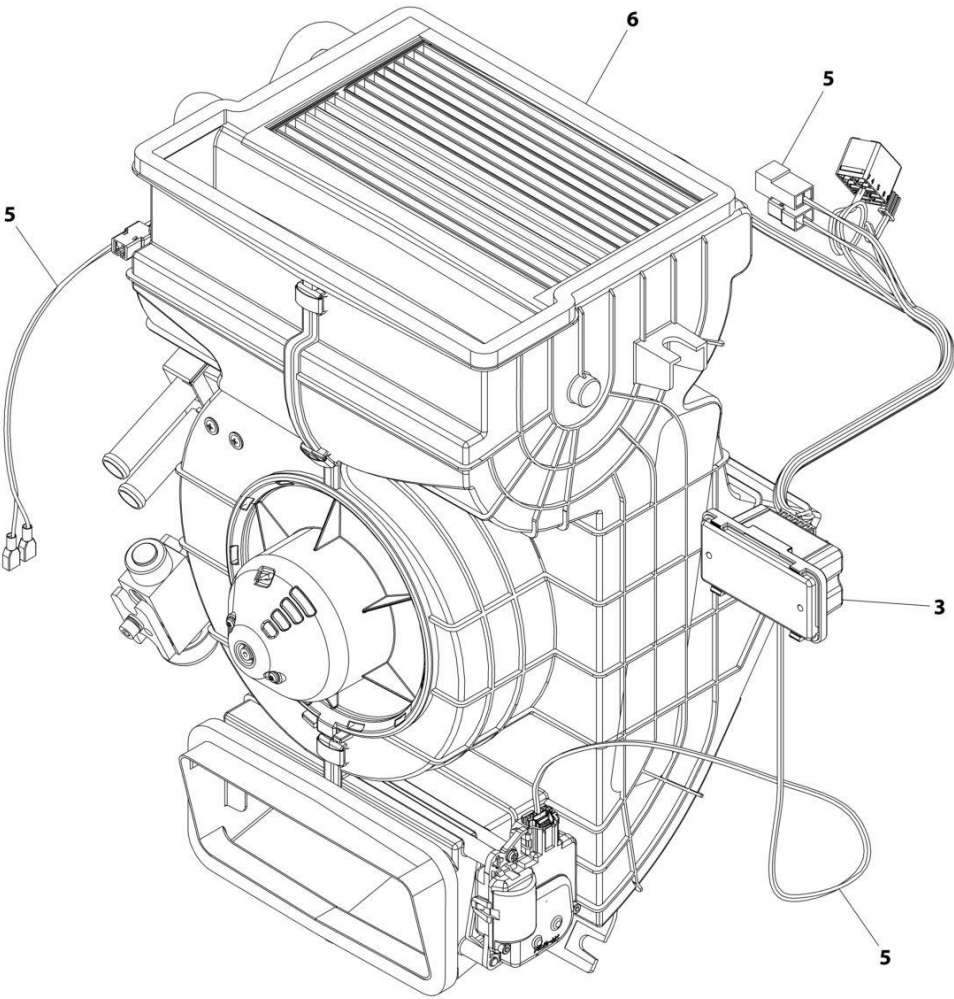
ART_1001161858-J

FIGURE 6-43. HEATER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001161858	Ref	Heater Assembly	J
1	1001221052	1	Heater, Cab (See Separate Breakdown in this Section)	
5	1001172551	1	Actuator, HVAC Cab	
7	1001221056	1	Harness, HVAC Actuator (See Separate Breakdown in ELECTRICAL Section)	

SECTION 6 - CAB

FIGURE 6-44. HEATER AND A/C ASSEMBLY



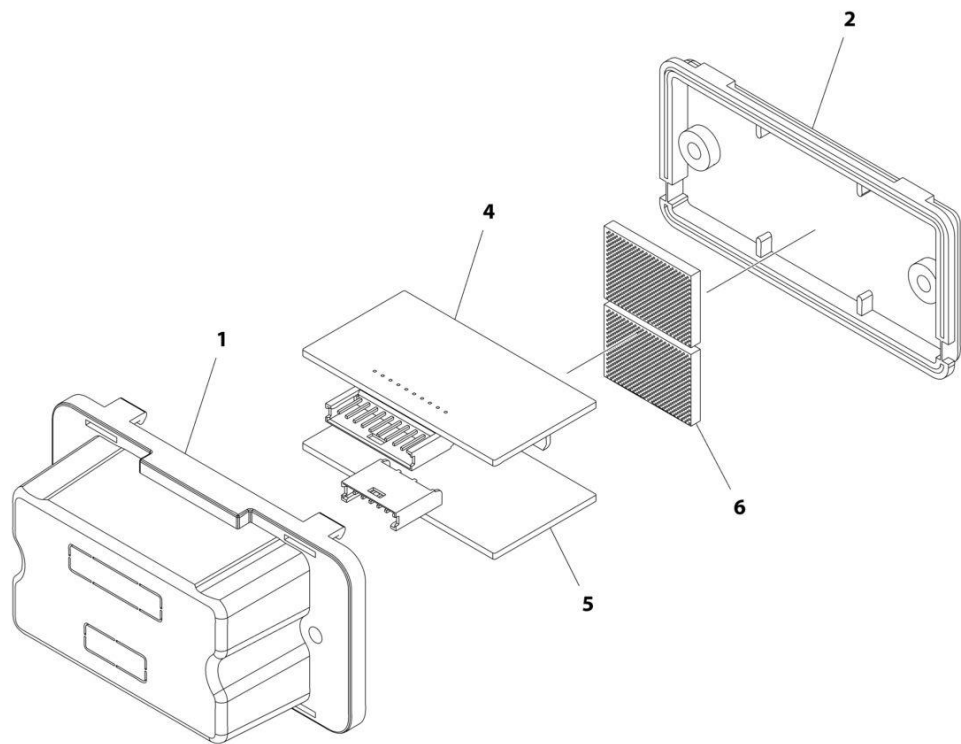
ART_1001188303-G

FIGURE 6-44. HEATER AND A/C ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001188303	Ref	Heater and A/C Assembly	H
3	1001172551	1	Actuator, HVAC Cab	
5	1001221056	1	Harness, HVAC Actuator (See Separate Breakdown in ELECTRICAL Section)	
6	1001221054	1	Heater and A/C (See Separate Breakdown in this Section)	

SECTION 6 - CAB

FIGURE 6-45. HVAC CAB ACTUATOR

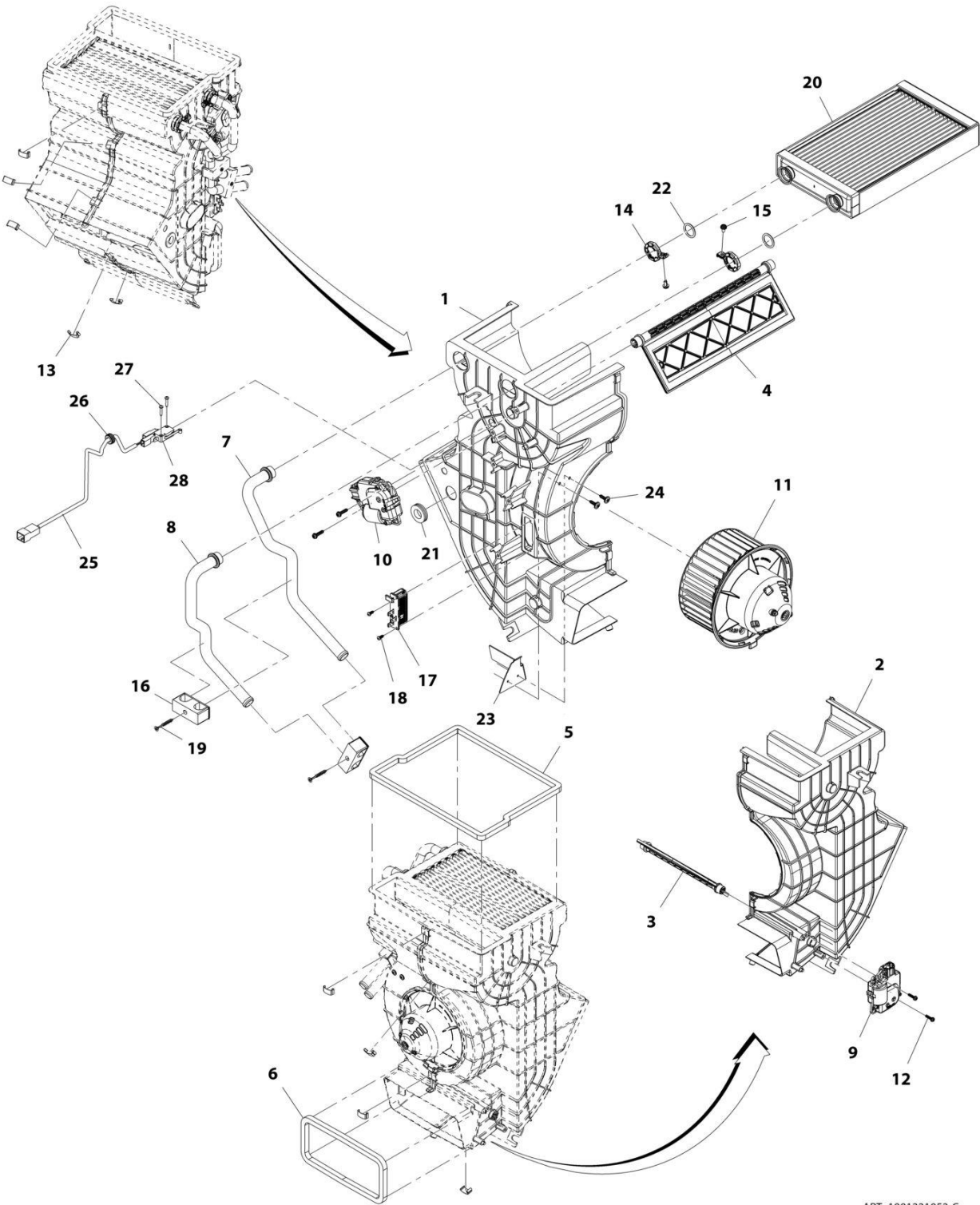


ART_1001172551

FIGURE 6-45. HVAC CAB ACTUATOR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172551	Ref	HVAC CAB ACTUATOR	E
1	1001184306	1	Box, Heater Controller	
2	1001184307	1	Base, Heater Controller Box	
4	1001184309	1	Board, Heater Control	
5	1001184310	1	Board, Heater Control	
6	1001189980	2	Insulator, Heater Controller Box	

FIGURE 6-46. HEATER



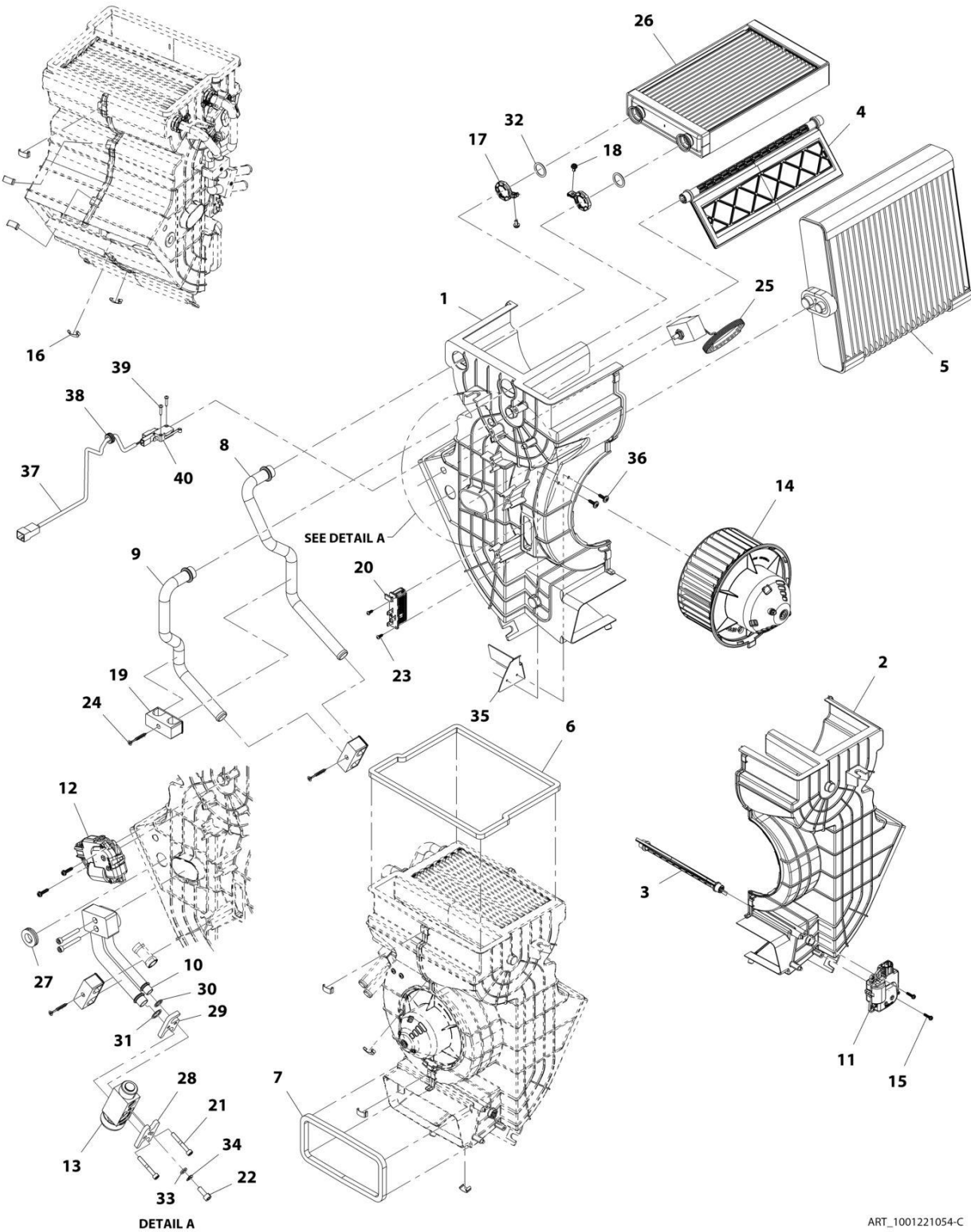
ART_1001221052-C

FIGURE 6-46. HEATER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001221052	Ref	Heater	D
1	1001166091	1	Housing, RH	
2	1001166092	1	Housing, LH	
3	1001184275	1	Flap, Recirculation with Foam	
4	1001184278	1	Flap, Mixing with Foam	
5	1001184294	1	Foam, Air Outlet	
6	1001184295	1	Foam, Air Inlet	
7	1001184296	1	Pipe, Water	
8	1001184297	1	Pipe, Water	
9	1001188577	1	Actuator, Fresh/Recirculation Air	
10	1001188578	1	Actuator, Hot/Cold	
11	1001188594	1	Fan, 12V	
12	1001188602	4	Screw	
13	1001188603	9	Clamp	
14	1001188604	2	Clamp	
15	1001188610	2	Screw	
16	1001188612	2	Clamp	
17	1001188614	1	Resistor	
18	1001188720	2	Screw	
19	1001188725	2	Screw	
20	1001188729	1	Radiator, Heater Core	
21	1001188733	1	Grommet	
22	1001189025	2	O-Ring	
23	1001221057	1	Plate	
24	1001221058	2	Screw	
25	1001228132	1	Harness, HVAC Sensor	
26	1001228140	1	Grommet	
27	1001228141	2	Screw	
28	1001228147	1	Valve, Water	

SECTION 6 - CAB

FIGURE 6-47. HEATER AND A/C

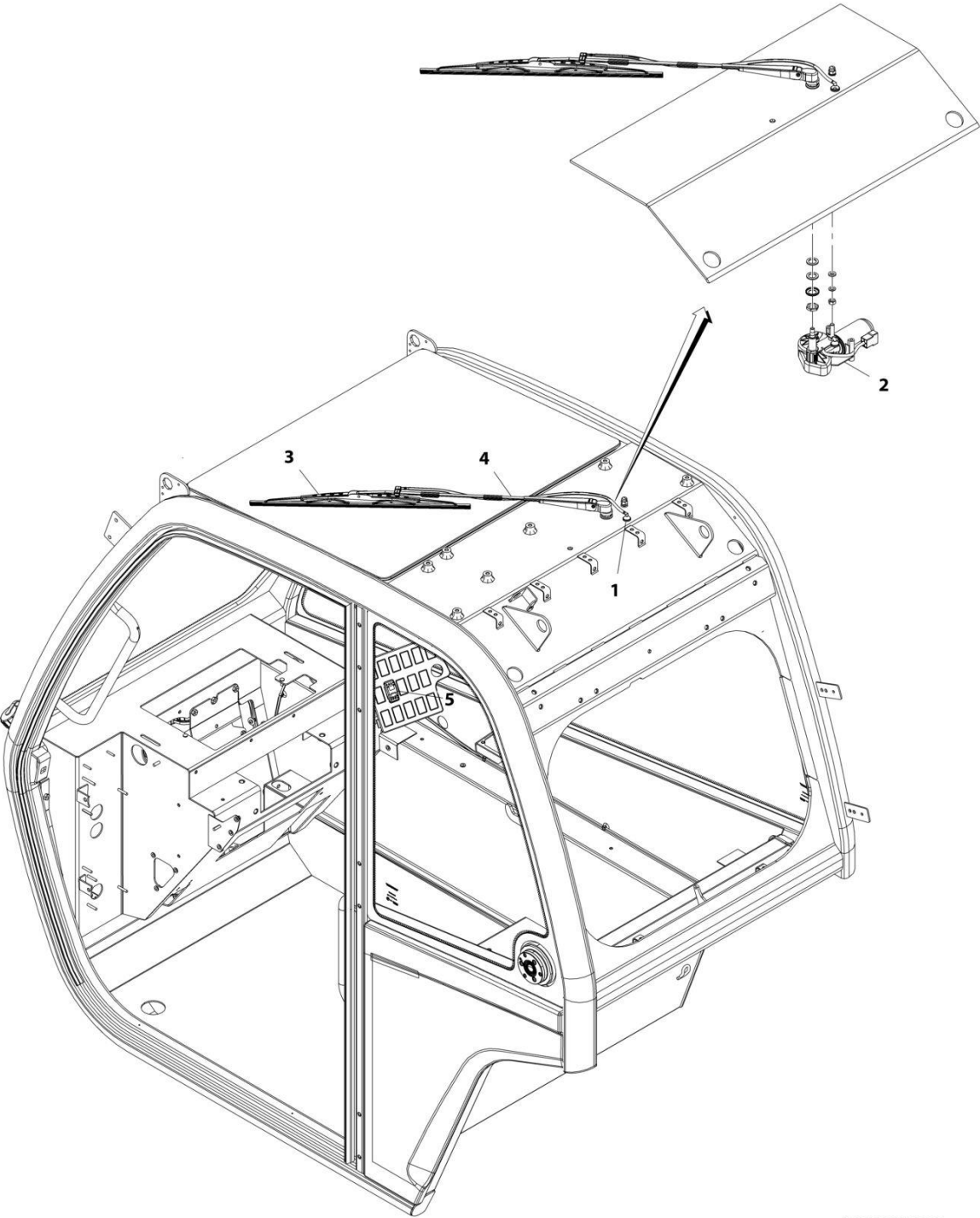


ART_1001221054-C

FIGURE 6-47. HEATER AND A/C

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001221054	Ref	Heater and A/C	D
1	1001166091	1	Housing, HVAC RH	
2	1001166092	1	Housing, HVAC LH	
3	1001184275	1	Foam, Heater Flap	
4	1001184278	1	Foam, Heater Mixing Flap	
5	1001184280	1	Evaporator, Heater	
6	1001184294	1	Seal, Heater Foam	
7	1001184295	1	Seal, Air Inlet Foam	
8	1001184296	1	Pipe, Heater Water	
9	1001184297	1	Pipe, Heater Water	
10	1001184427	1	Pipe, Heater	
11	1001188577	1	Actuator, Fresh/Recirculation Air	
12	1001188578	1	Actuator, Hot/Cold Mixing	
13	1001188592	1	Valve, HVAC Expansion	
14	1001188594	1	Fan, HVAC Centrifugal 12V	
15	1001188602	4	Screw, M4	
16	1001188603	9	Clamp, HVAC Case	
17	1001188604	2	Clamp, HVAC Pipe	
18	1001188610	2	Screw, M4X0.7	
19	1001188612	3	Clamp, Pipe	
20	1001188614	1	Resistor	
21	1001188618	4	Screw, M5	
22	1001188619	1	Screw, M6	
23	1001188720	2	Screw, M2.9X9.5	
24	1001188725	3	Screw, M4X35	
25	1001188728	1	Sensor, HVAC Thermostat	
26	1001188729	1	Radiator, Heater Core	
27	1001188733	1	Grommet	
28	1001188817	1	Clamp, Hose	
29	1001188818	1	Clamp, HVAC EVAP/Valve	
30	1001189023	1	O-Ring	
31	1001189024	1	O-Ring	
32	1001189025	2	O-Ring	
33	1001189048	1	Washer	
34	1001189054	1	Washer, Spring	
35	1001221057	1	Plate	
36	1001221058	2	Screw	
37	1001228132	1	Harness, HVAC Sensor	
38	1001228140	1	Grommet	
39	1001228141	2	Screw	
40	1001228147	1	Valve, Water Sensor	

FIGURE 6-48. ROOF WIPER INSTALLATION



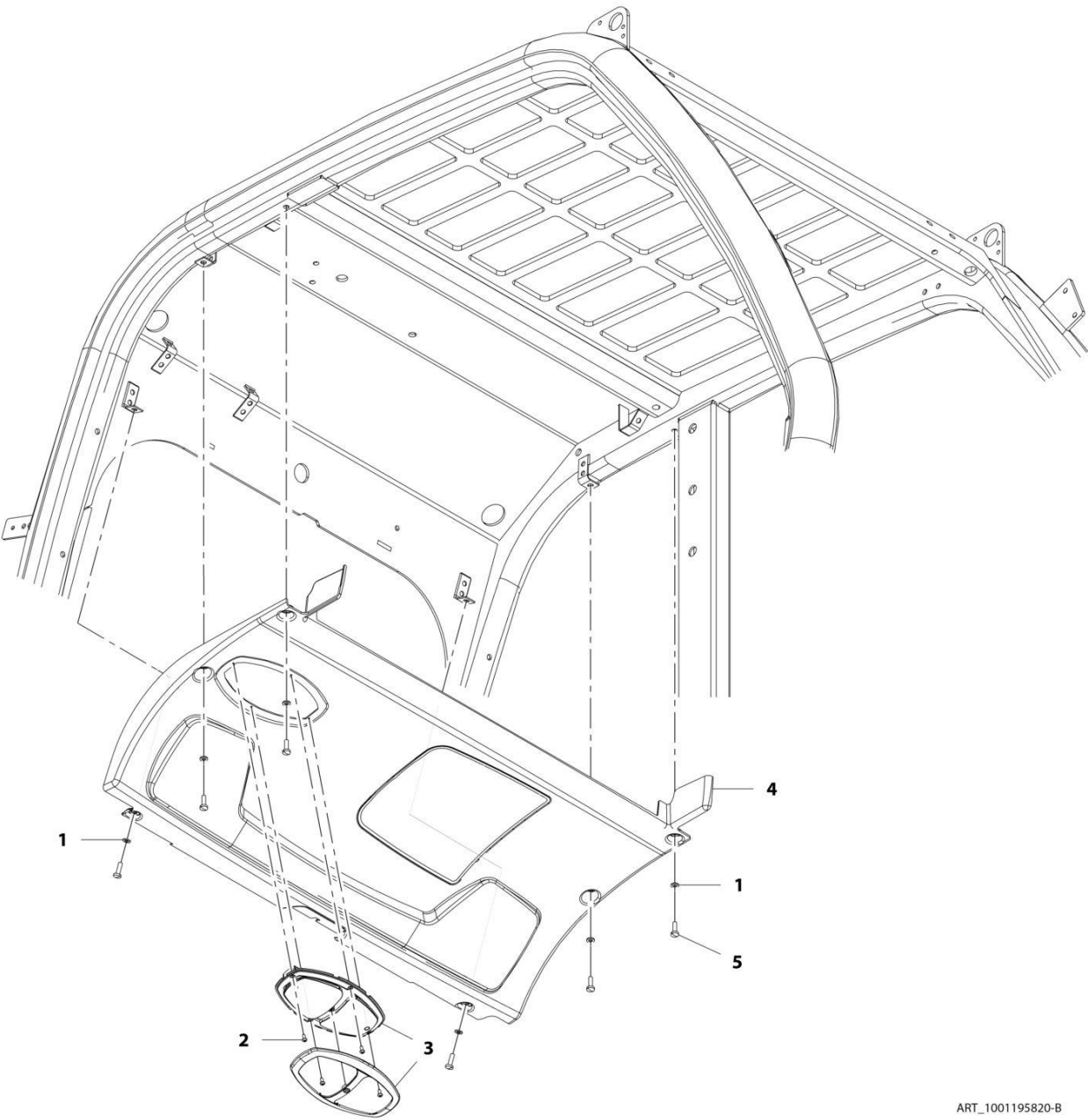
ART_1001155486-B

FIGURE 6-48. 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	

SECTION 6 - CAB

FIGURE 6-49. HEADLINER INSTALLATION



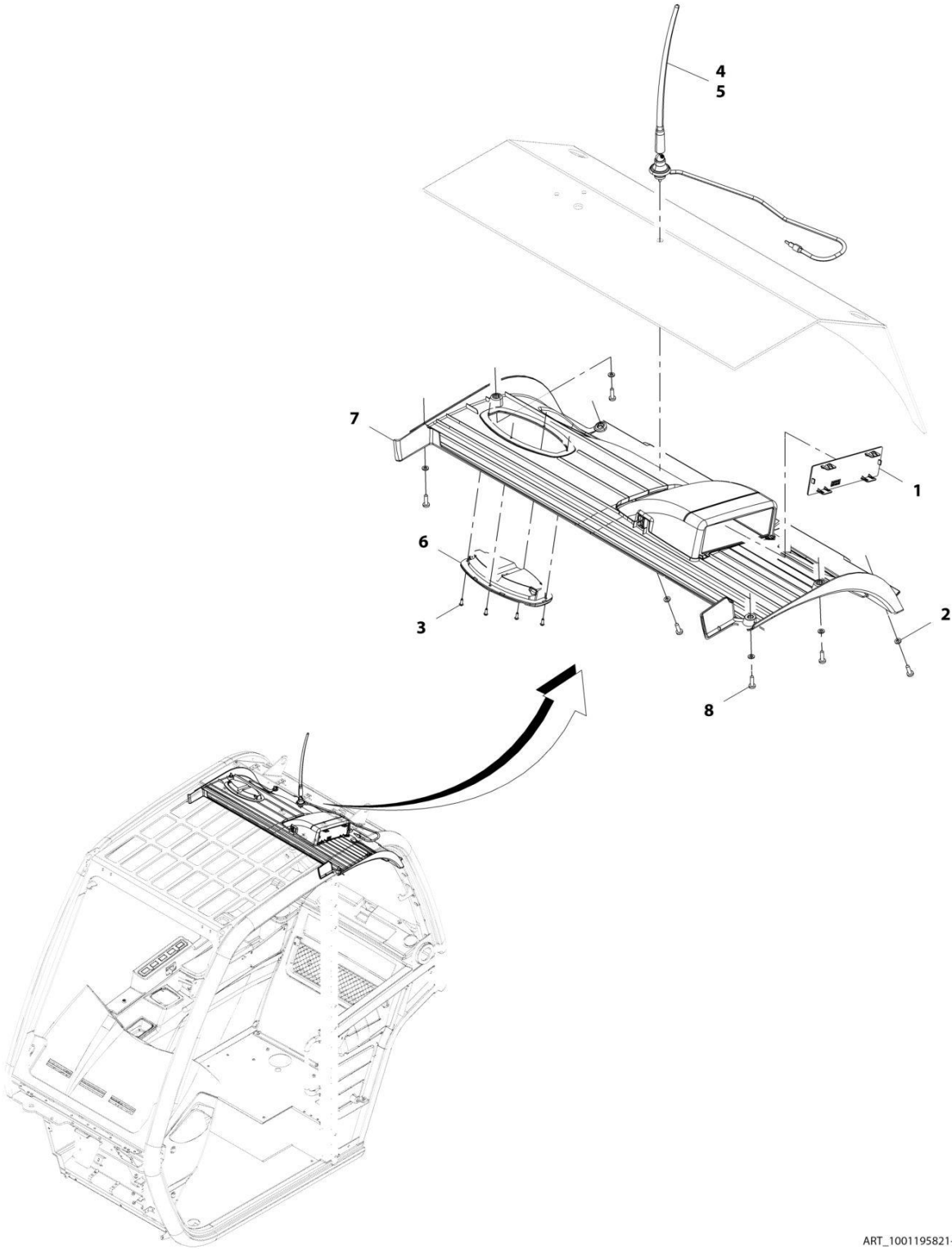
ART_1001195820-B

FIGURE 6-49. HEADLINER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001195820	Ref	Headliner Installation	C
1	4811700	6	Washer, M6	
2	7029486	4	Screw	
3	1001167015	1	Lamp, Dome	
4	1001195822	1	Panel, Headliner	
5	4031708001	1	Cap Screw M6 x 20	

SECTION 6 - CAB

FIGURE 6-50. HEADLINER/RADIO READY PACKAGE INSTALLATION



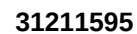
ART_1001195821-B

FIGURE 6-50. HEADLINER/RADIO READY PACKAGE INSTALLATION

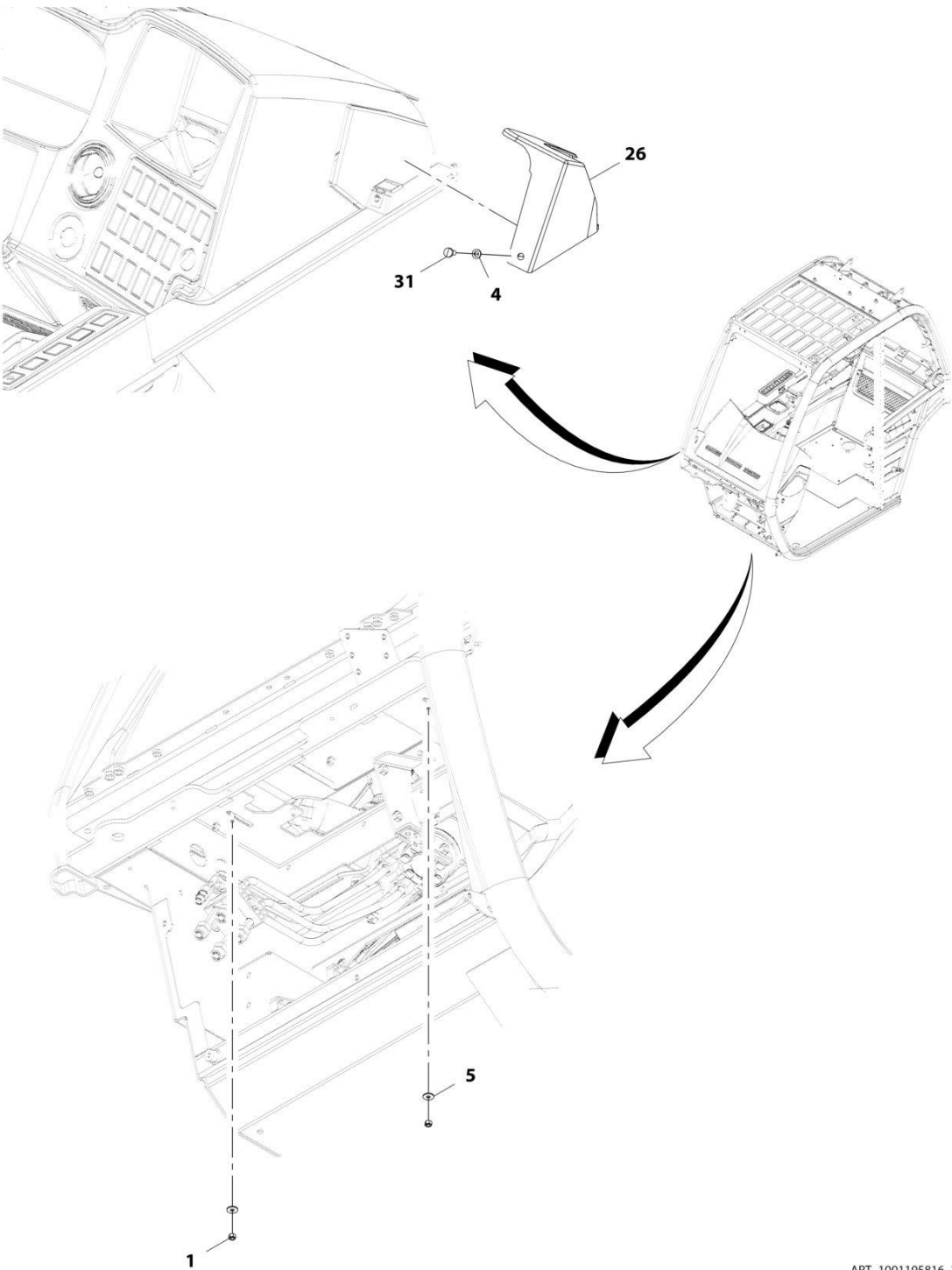
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001195821	Ref	Headliner/Radio Ready Package Installation	B
1	1001200968	1	Plate	
2	4811700	6	Washer, 6M	
3	7029486	4	Screw	
4	8005901	1	Antenna	
5	1001116128	AR	Sealant, Polysiloxane	
6	1001167015	1	Lamp	
7	1001195823	1	Cover, Headliner	
8	4010610002	6	Screw, M6X20	

464

1075



ART_1001195816_1-I



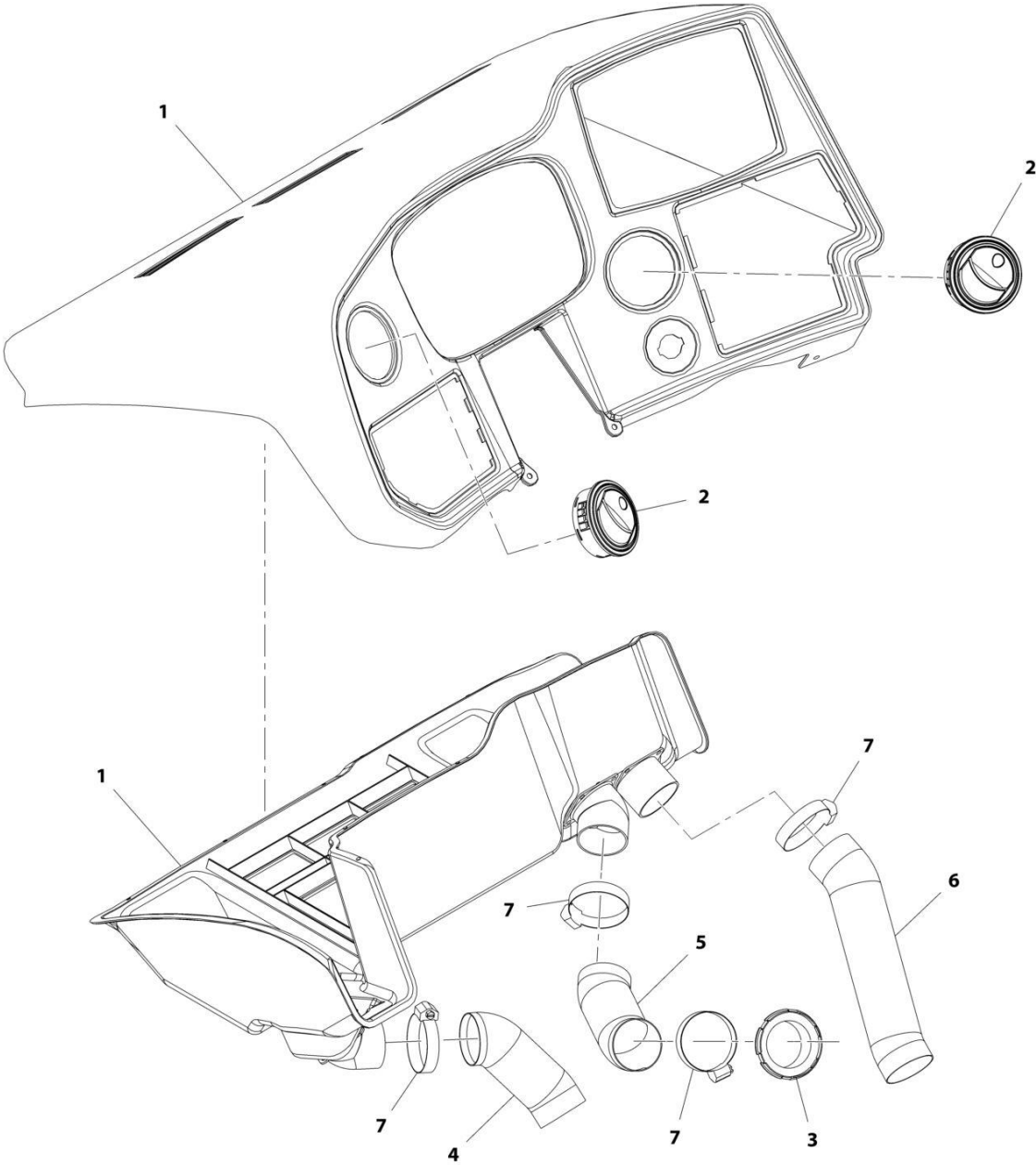
ART_1001195816_2-I

SECTION 6 - CAB

FIGURE 6-51. CAB TRIM INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001195816	Ref	Cab Trim Installation	I
1	3290605	2	Nut, Lock M6X1	
2	4031608001	3	Screw, M5X20	
3	4811600	1	Washer, M5	
4	4811700001	23	Washer, M6	
5	4811702001	7	Washer, M6	
7	8305919	2	Nut, M6	
8	8405201	2	Clamp	
9	1001147449	2	Vent	
10	1001149278	2	Connector, Vent	
11	1001161252	1	Cover, LH C-Post	
12	1001161253	1	Cover, RH C-Post	
13	1001219864	1	Plate, Switch	
14	1001219865	1	Plate, Switch	
15	1001169603	1	Tray	
16	1001169604	1	Assembly, Dash Cover (See Separate Breakdown in this Section)	
17	1001161855	1	Cover, Side Dash	
18	1001170504	1	Cover, Recirculation Grille	
19	1001170518	1	Holder, Cup	
20	1001170519	1	Assembly, Rear Panel Cover (See Separate Breakdown in this Section)	
21	1001173965	1	Bezel, Net	
22	1001175903	1	Cover, Lower Dash	
23	1001219863	1	Plate, Switch	
24	1001181726	1	Installation, Armrest (See Separate Breakdown in this Section)	
25	1001184975	1	Decal, HVAC	
26	1001185870	1	Cover, Lower A-Post	
27	1001189182	1	Cover, RH Side	
28	1001223265	2	Grommet	
29	1001195817	1	Cover, RH Extension	
30	1001195818	1	Panel, LH Side	
31	4010608002	26	Screw, M6X16	
32	4010610002	1	Screw, M6X20	
33	4010612002	3	Screw, M6X25	
34	1001211907	2	Screw	
35	1001208308	4	Thumb Screw, M6X15	
36	1001226481	1	Decal, Blank	
37	1001098150	1	Washer, M6	
38	1001132564	1	Screw, M6X20	
39	1001227133	2	Grommet	

FIGURE 6-52. DASH COVER ASSEMBLY



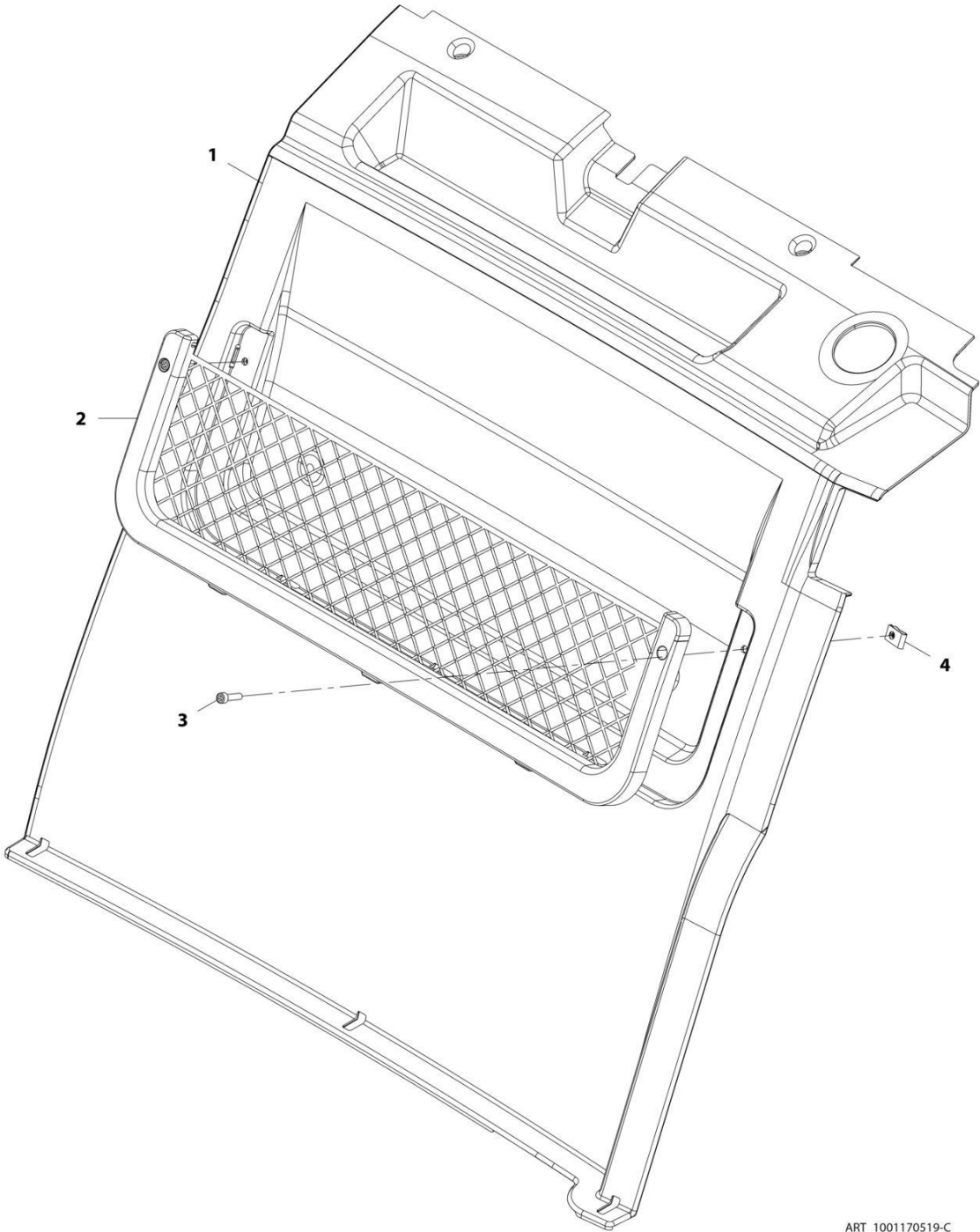
ART_1001169604-B

FIGURE 6-52. DASH COVER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001169604	Ref	Dash Cover Assembly (Construction)	B
1	1001161851	1	Panel, Top Dash	
2	1001147449	2	Vent, Air	
3	1001149278	1	Vent, Connector	
4	1001174652	1	Hose	
5	1001174653	1	Hose	
6	1001174655	1	Hose	
7	8405201	4	Clamp, Gear	

SECTION 6 - CAB

FIGURE 6-53. REAR PANEL COVER ASSEMBLY



ART_1001170519-C

FIGURE 6-53. REAR PANEL COVER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001170519	Ref	Rear Panel Cover Assembly	C
1	1001161067	1	Panel, Rear	
2	1001170514	1	Storage Net, Rear Panel	
3	4031608	2	Bolt, M5X20	
4	1001183550	2	Nut, Cage M5	

SECTION 6 - CAB

FIGURE 6-54. ADJUSTABLE ARMREST INSTALLATION

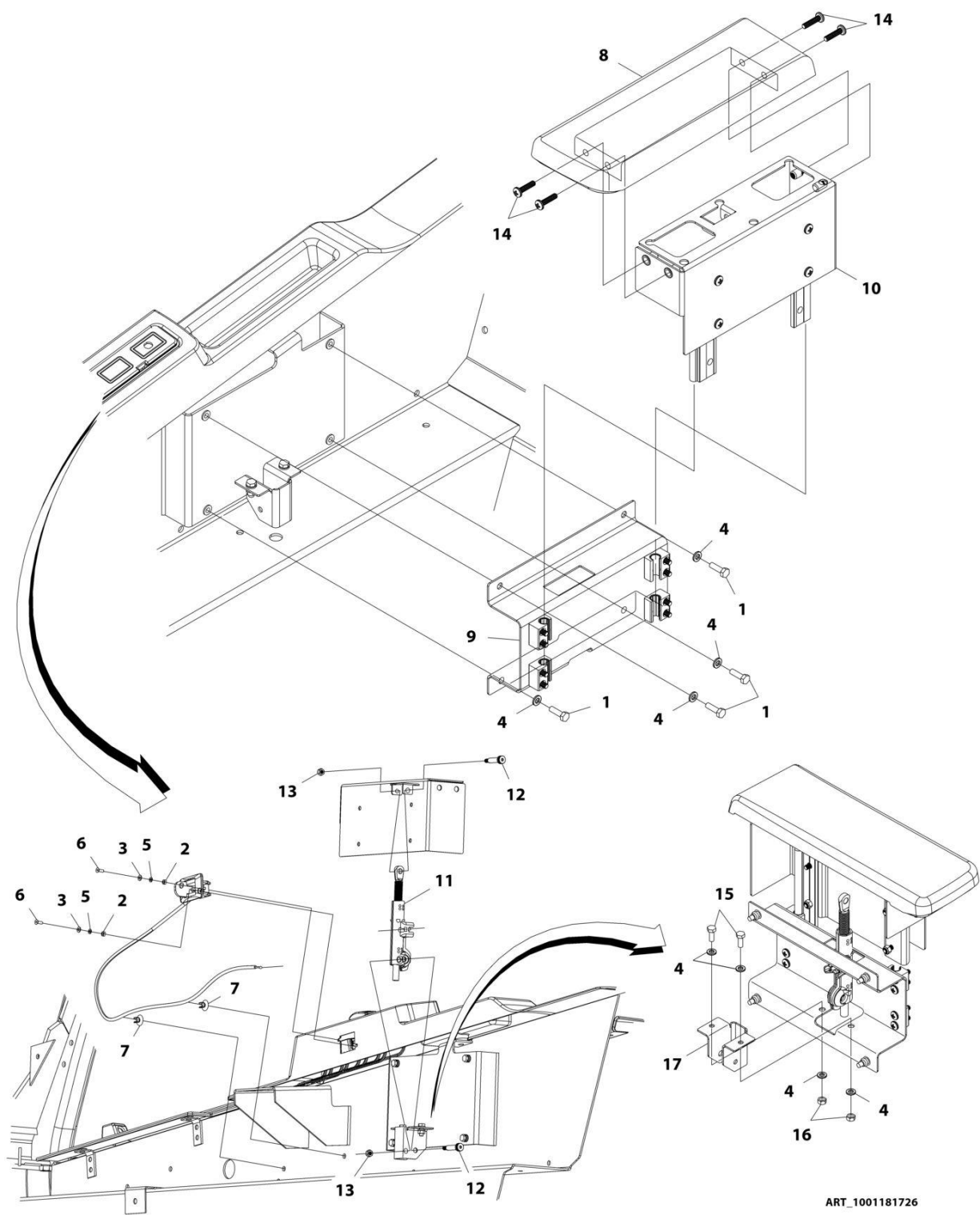
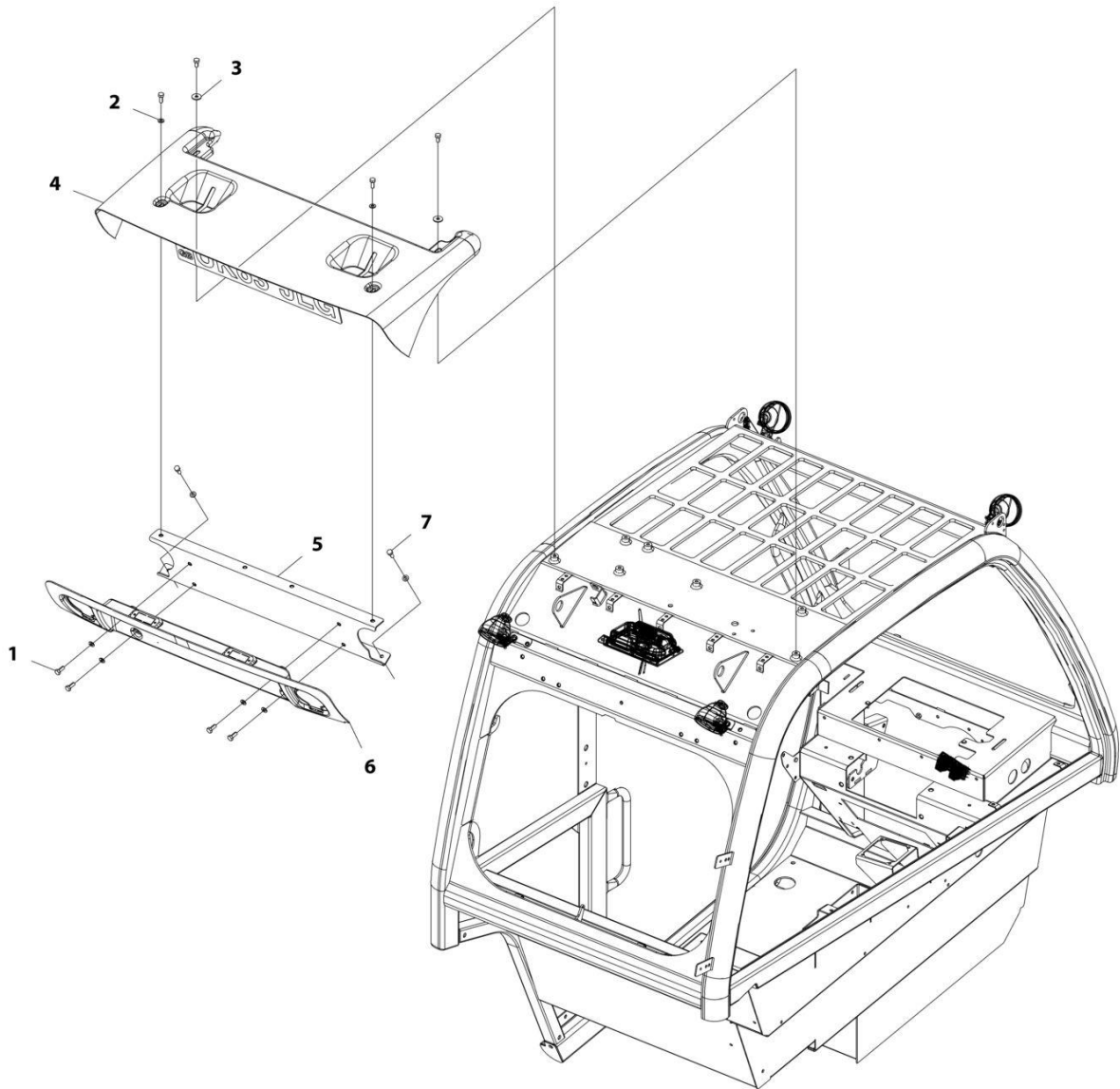


FIGURE 6-54. ADJUSTABLE ARMREST INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001181726	Ref	Adjustable Armrest Installation	F
1	0700610	4	Bolt, M6X20	
2	3290401	2	Nut, M4X0.7	
3	4811400	2	Washer, M4	
4	4811700	8	Washer, M6	
5	4831400	2	Washer, Lock M4	
6	1001097244	2	Screw, M4X12	
7	1001165458	4	Hose	
8	1001191281	1	Armrest (See Separate Breakdown in this Section)	
9	1001191283	1	Bracket, Fixed Armrest (See Separate Breakdown in this Section)	
10	1001191284	1	Bracket, Moving Armrest (See Separate Breakdown in this Section)	
11	1001191285	1	Spring	
12	1001191370	2	Screw, M6	
13	3290605	2	Nut, M6X1 Grade 8	
14	4010612002	4	Screw, M6X25	
15	0760608	2	Bolt, M6X16	
16	3290601	2	Nut, M6X1	
17	1001212468	1	Bracket, Locking Spring Mount	

SECTION 6 - CAB

FIGURE 6-55. ROOF CAP INSTALLATION (NO A/C)



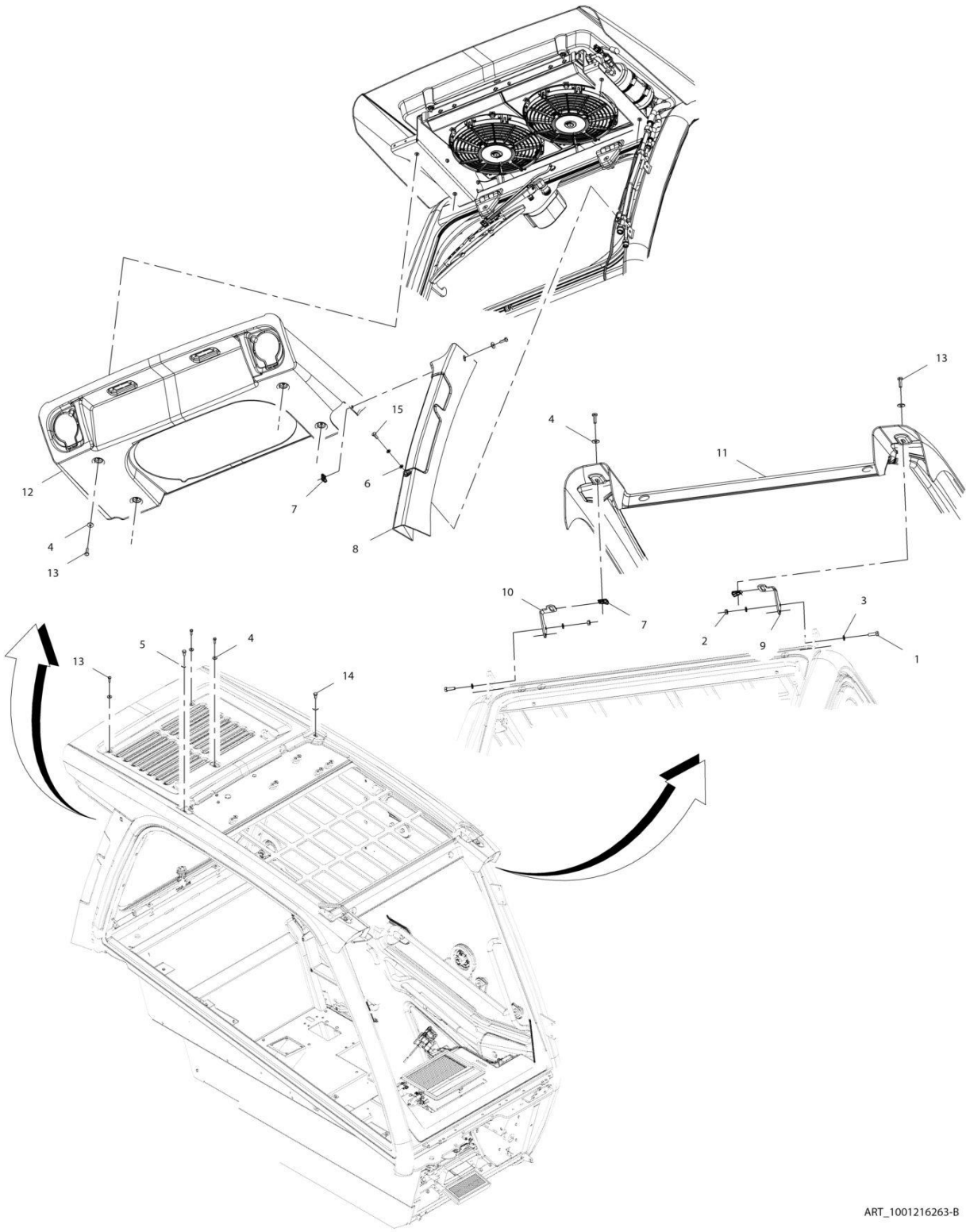
ART_1001216265

FIGURE 6-55. ROOF CAP INSTALLATION (NO A/C)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001216265	Ref	Roof Cap Installation (No A/C)	B
1	0760810	8	Bolt, M8X20	
2	4811900	8	Washer, M8	
3	4811902	2	Washer, M8	
4	1001182330	1	Cover, Short Upper Roof Cap	
5	1001185633	1	Bracket, Roof Cap Mount	
6	1001216270	1	Cover, Short Lower Roof Cap	
7	0760808	2	Bolt, M8X16	

SECTION 6 - CAB

FIGURE 6-56. ROOF CAP INSTALLATION (A/C)



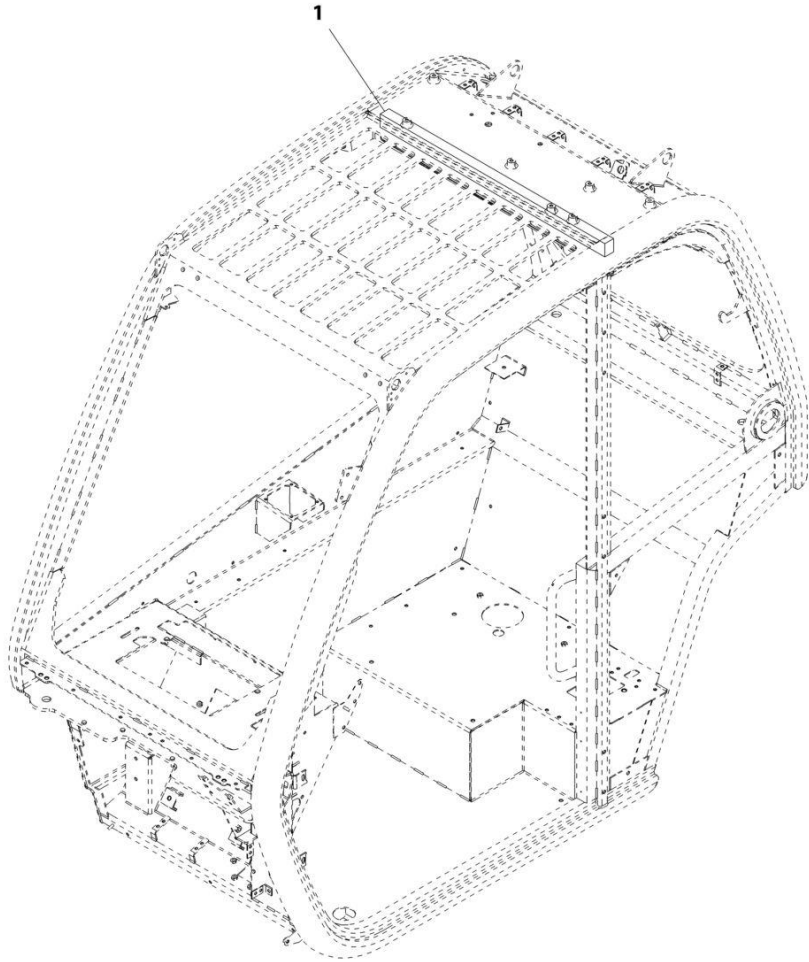
ART_1001216263-B

FIGURE 6-56. ROOF CAP INSTALLATION (A/C)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001216263	Ref	Roof Cap (A/C) Installation	B
1	0700610	4	Bolt, M6X20	
2	3290601	4	Nut, M6X1	
3	4811700	9	Washer, M6	
4	4811702	10	Washer, M6	
5	4811902	2	Washer, M8	
6	4831700	1	Washer, Lock M6	
7	8305919	3	Nut, M6	
8	1001174741	1	Cover	
9	1001174800	1	Bracket	
10	1001174801	1	Bracket	
11	1001216267	1	Cover, Upper Roof Cap	
12	1001216269	1	Cover, Lower Roof Cap	
13	4010610002	10	Screw, Posi-Drive M6X20	
14	0760808	2	Bolt, M8X16	
15	4010608002	1	Screw, M6X16	

SECTION 6 - CAB

FIGURE 6-57. NO SUNSCREEN INSTALLATION



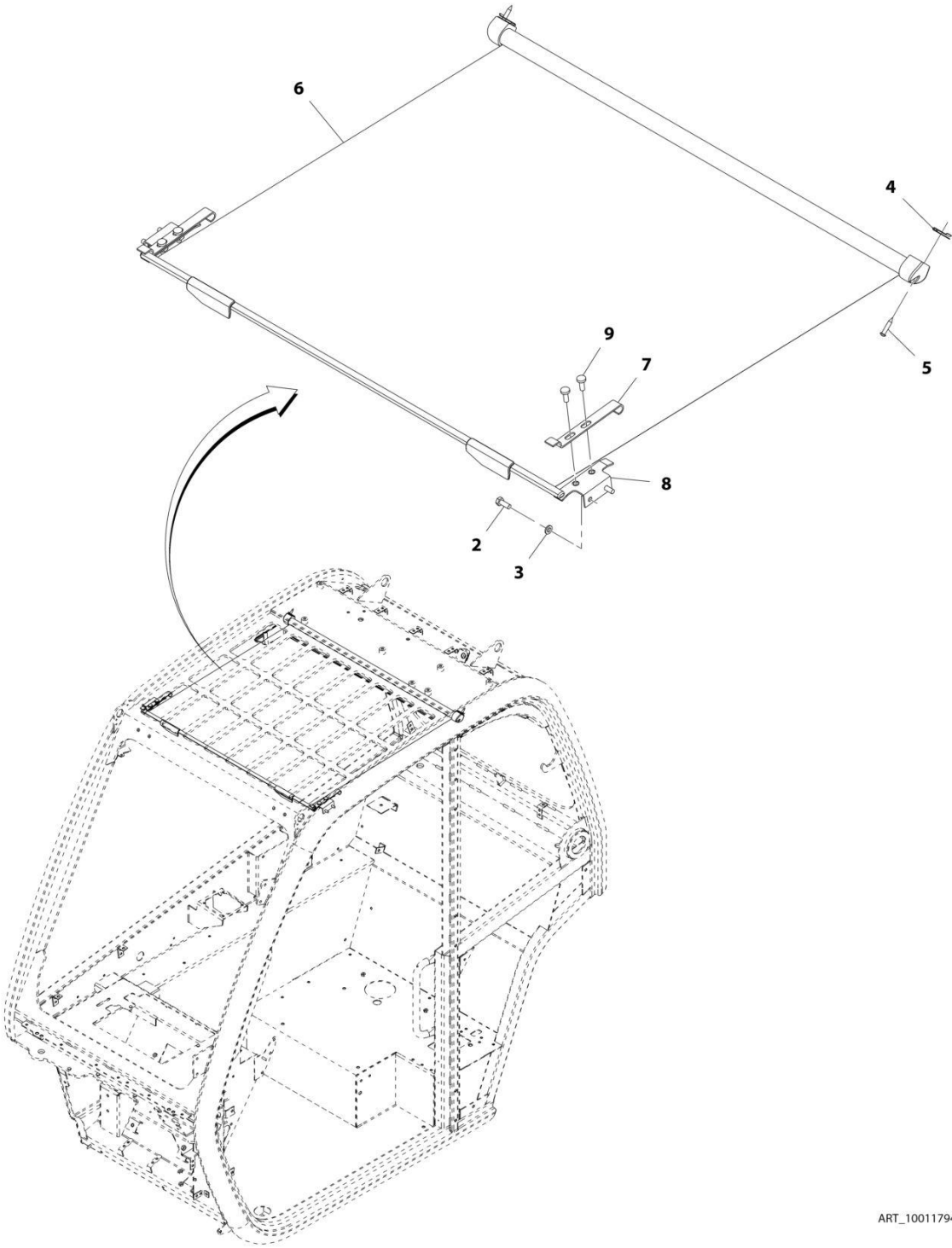
ART_1001211041-A

FIGURE 6-57. NO SUNSCREEN INSTALLATION

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

SECTION 6 - CAB

FIGURE 6-58. RETRACTABLE SUNSCREEN INSTALLATION



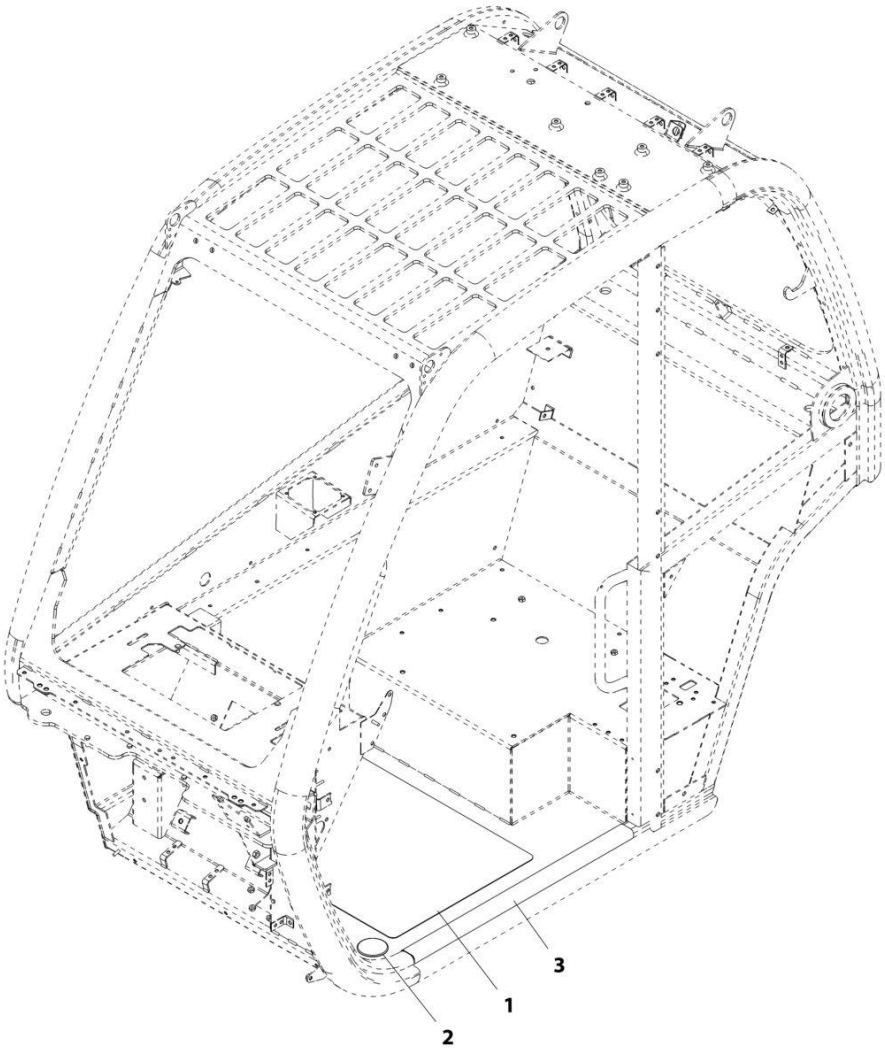
ART_1001179482-D

FIGURE 6-58. RETRACTABLE SUNSCREEN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001179482	Ref	Retractable Sunscreen Installation	D
2	0760608	4	Bolt, M6X16	
3	4811700	4	Washer, M6	
4	1001111076	2	Nut, Spire	
5	1001111147	2	Screw, Self Tapping	
6	1001179483	1	Cab, Sun Blind	
7	1001209463	2	Bracket	
8	1001166385	2	Bracket	
9	4010608002	4	Screw, Posi-Drive M6X16	

SECTION 6 - CAB

FIGURE 6-59. NON SKID TAPE INSTALLATION

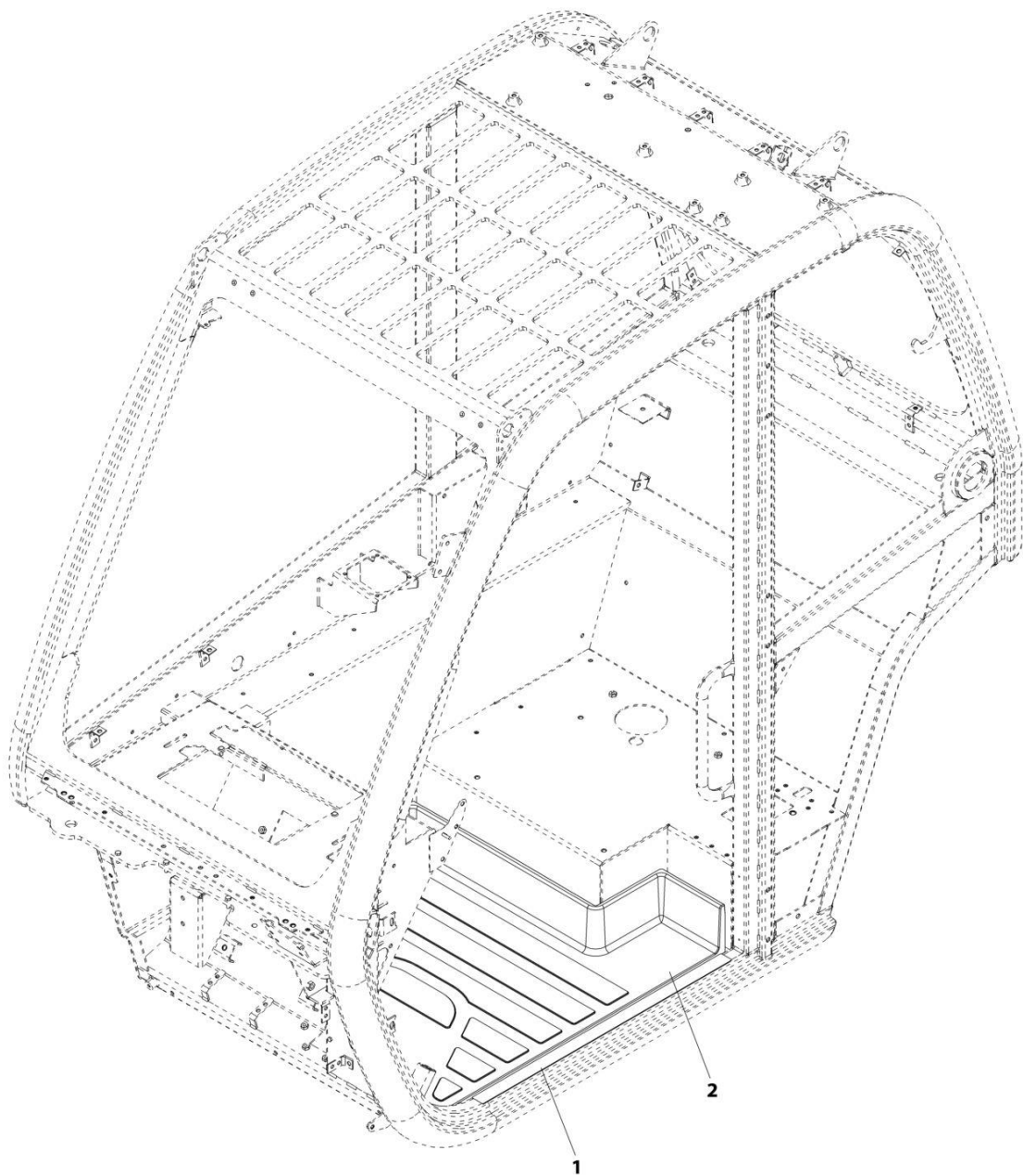


ART_1001197219-B

FIGURE 6-59. 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	

FIGURE 6-60. FLOOR MAT INSTALLATION



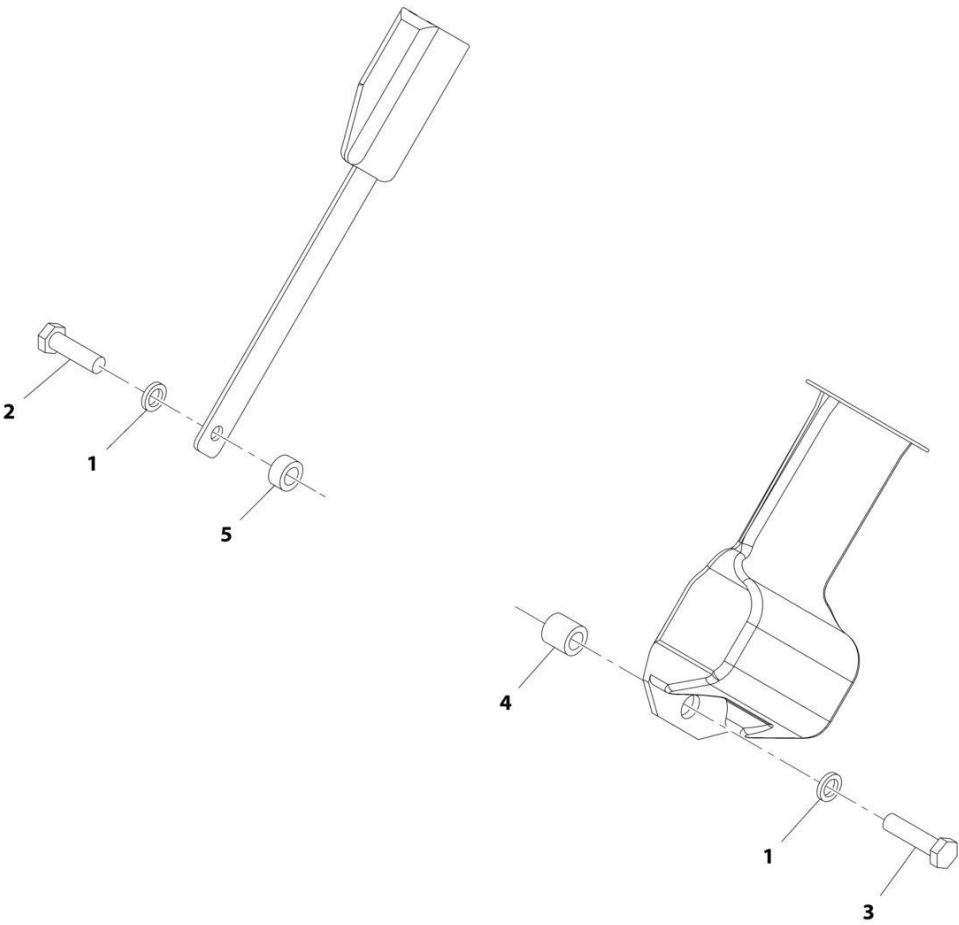
ART_1001255273-B

FIGURE 6-60. FLOOR MAT INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001255273	Ref	Floor Mat Installation	B
1	1001197259	1	Tape, Non Skid Frame	
2	1001255131	1	Floor Mat, Cab	

SECTION 6 - CAB

FIGURE 6-61. SEAT BELT INSTALLATION (3IN)



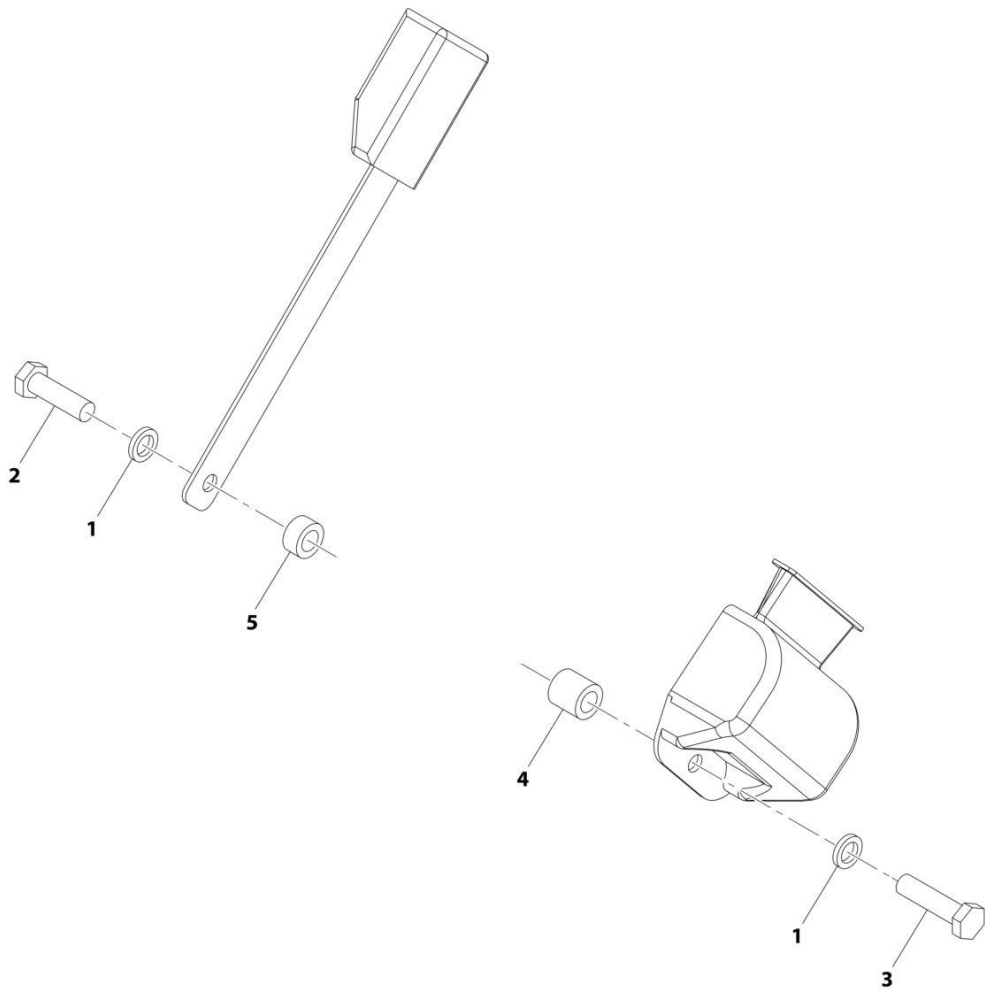
ART_1001006731-B

FIGURE 6-61. SEAT BELT INSTALLATION (3IN)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001006731	Ref	Seat Belt Installation (3IN)	B
1	1001010646	2	Washer	
2	1001010647	1	Bolt	
3	1001010648	1	Bolt	
4	1001010649	1	Spacer	
5	1001010650	1	Spacer	

SECTION 6 - CAB

FIGURE 6-62. SEAT BELT INSTALLATION (2IN)



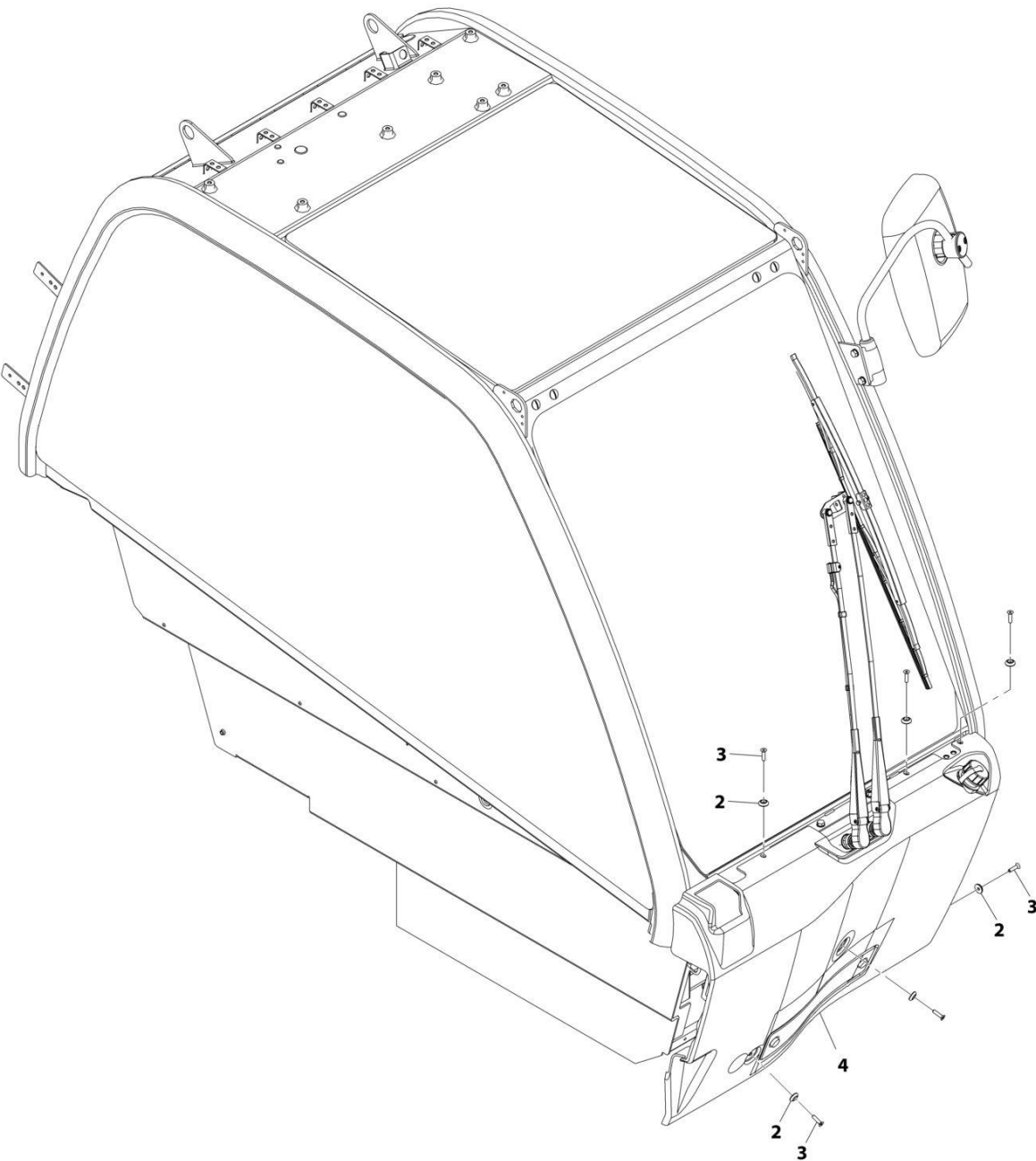
ART_1001006730

FIGURE 6-62. SEAT BELT INSTALLATION (2IN)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001006730	Ref	Seat Belt Installation (2IN)	H
1	1001010646	2	Washer	
2	1001010647	1	Bolt	
3	1001010648	1	Bolt	
4	1001010649	1	Spacer, Shim	
5	1001010650	1	Spacer, Shim	

SECTION 6 - CAB

FIGURE 6-63. ENCLOSED CAB FRONT COVER INSTALLATION



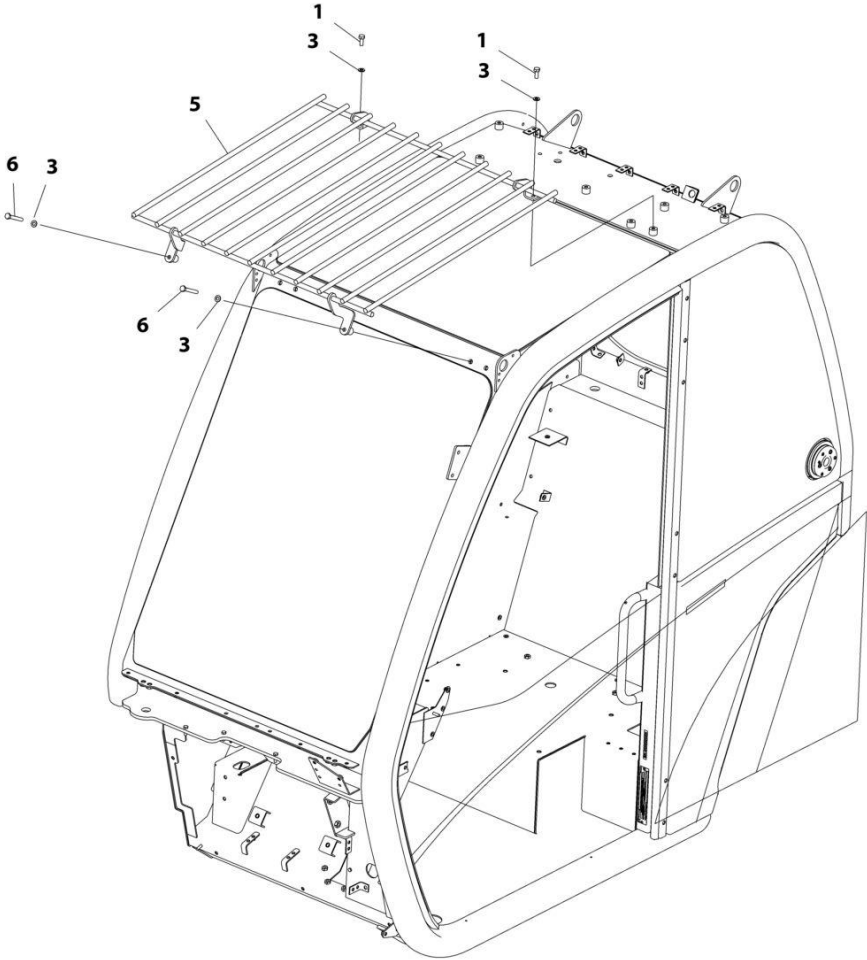
ART_1001179592-G

FIGURE 6-63. ENCLOSED CAB FRONT COVER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001179592	Ref	Enclosed Cab Front Cover Installation	G
2	1001097540	6	Washer, M6	
3	3900379	6	Screw, M6-1X25 Grade 10.9	
4	1001170325	1	Cover, Front	

SECTION 6 - CAB

FIGURE 6-64. CAB GUARD INSTALLATION (TOP)



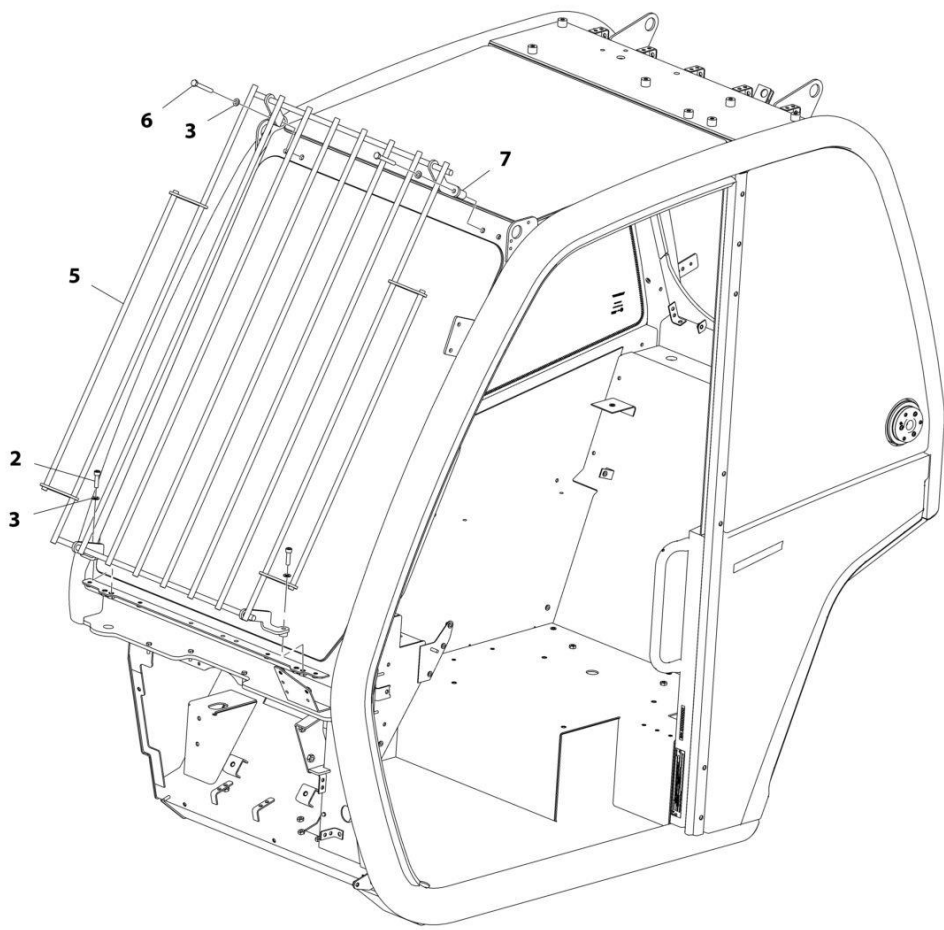
ART_1001160496

FIGURE 6-64. 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 6-65. CAB GUARD INSTALLATION (FRONT)



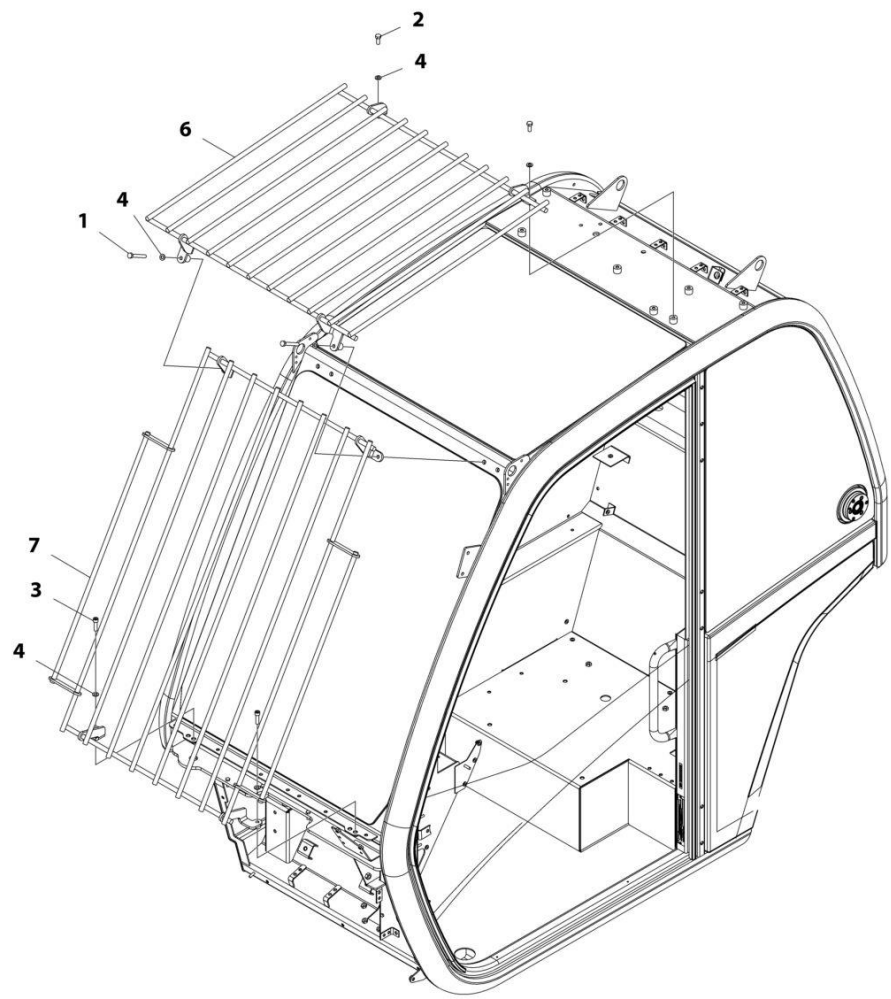
ART_1001160506-G

FIGURE 6-65. 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 6-66. CAB GUARD INSTALLATION (TOP AND FRONT)



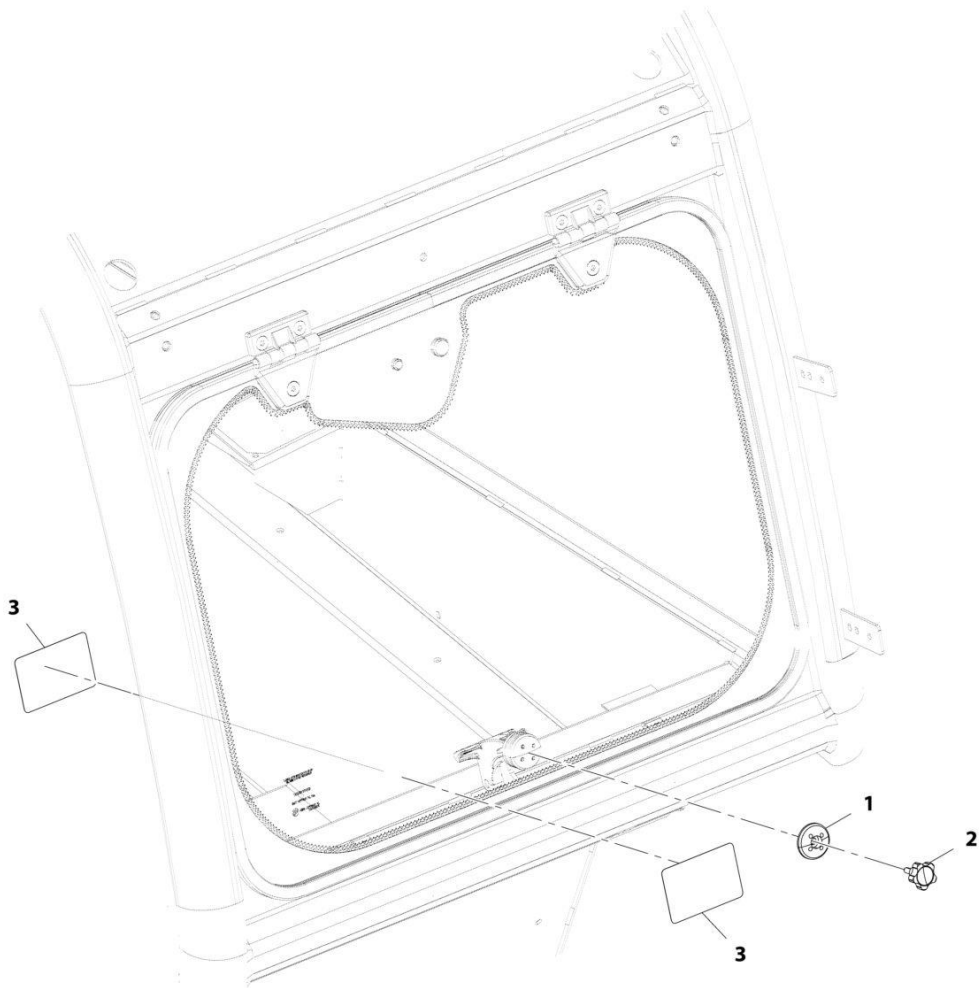
ART_1001172774

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. EXTERNAL WINDOW RELEASE INSTALLATION (CAN & ISO)

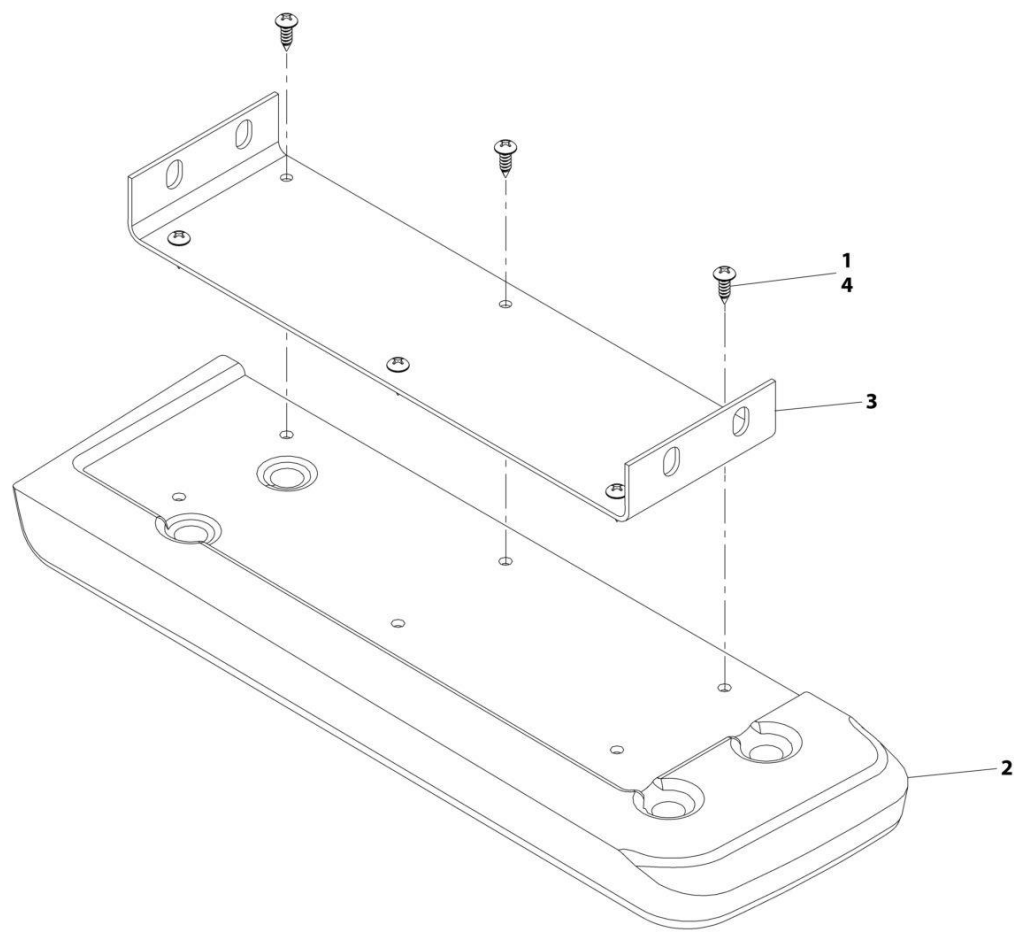


ART_1001178826-C

FIGURE 6-67. 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)	

FIGURE 6-68. ARMREST



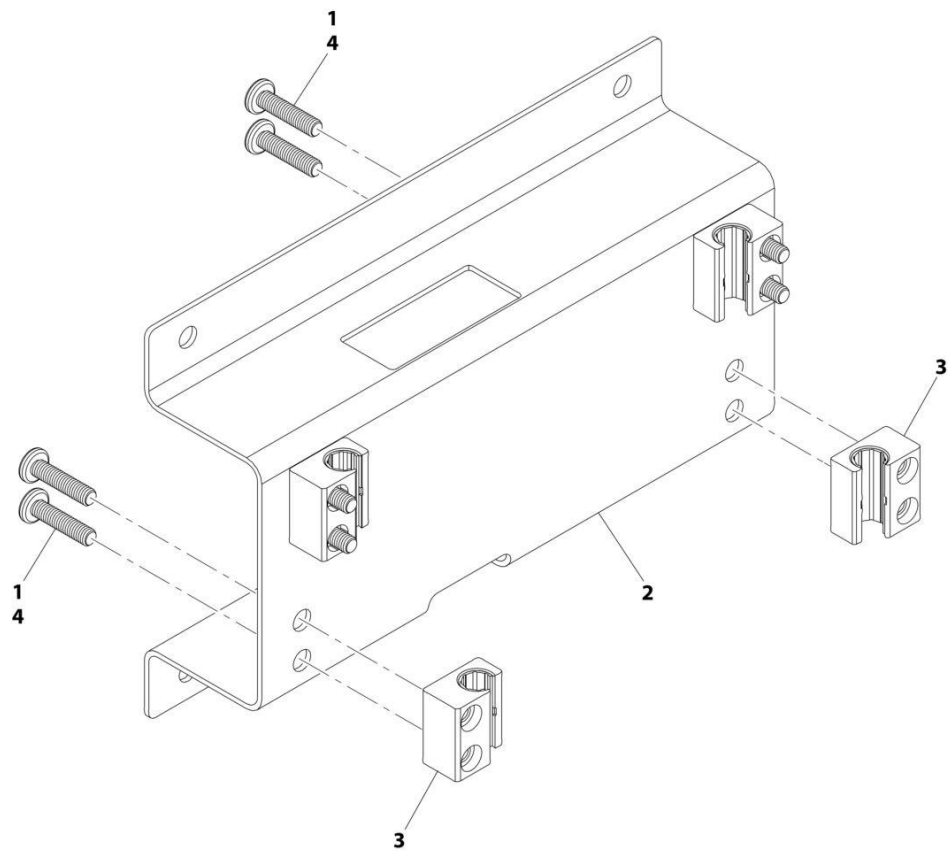
ART_1001191281

FIGURE 6-68. ARMREST

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001191281	Ref	Armrest	E
1	1001095650	AR	Adhesive	
2	1001179484	1	Armrest, Cab	
3	1001191282	1	Bracket, Armrest Pad	
4	1001192240	6	Screw	

SECTION 6 - CAB

FIGURE 6-69. FIXED ARMREST BRACKET



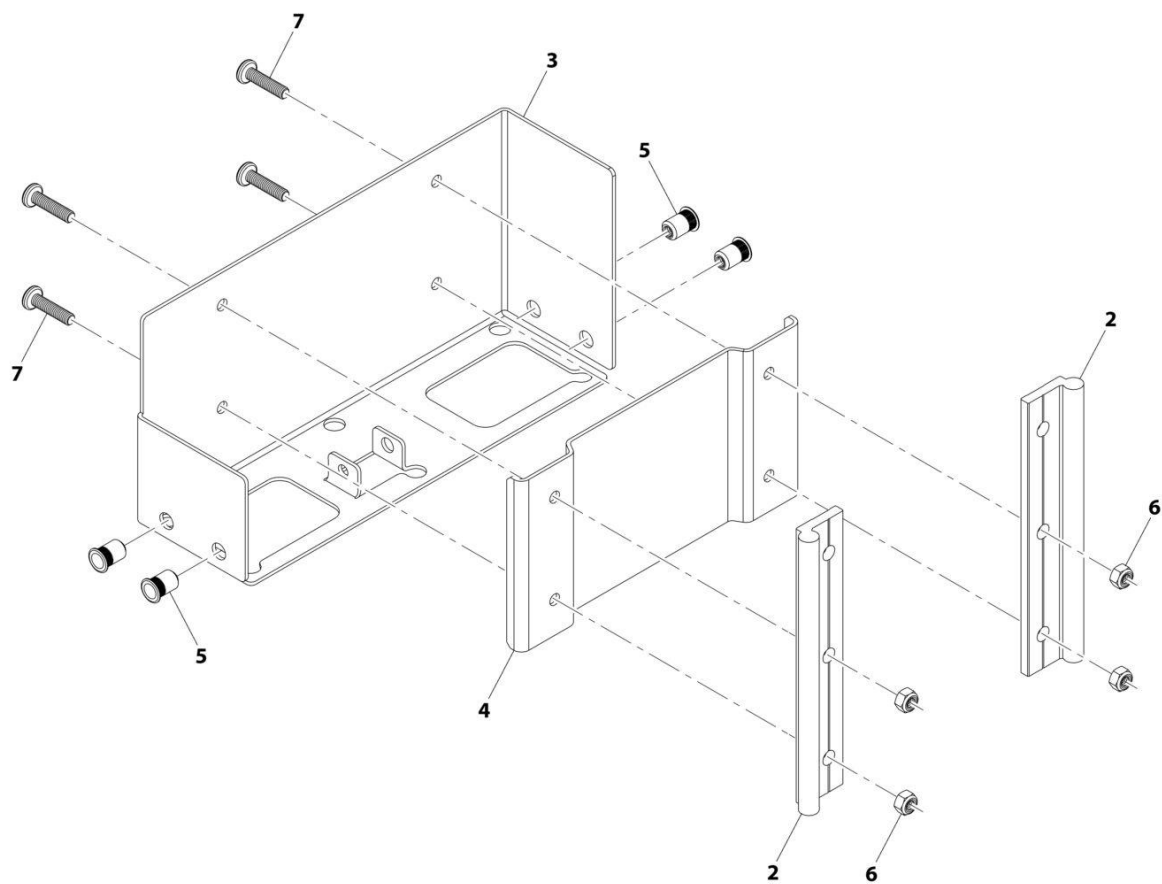
ART_1001191283-B

FIGURE 6-69. FIXED ARMREST BRACKET

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001191283	Ref	Fixed Armrest Bracket	B
1	1001095650	AR	Adhesive	
2	1001183597	1	Armrest Bracket	
3	1001191310	4	Slide Block	
4	4010612002	8	Screw	

SECTION 6 - CAB

FIGURE 6-70. MOVING ARMREST BRACKET



ART_1001191284-B

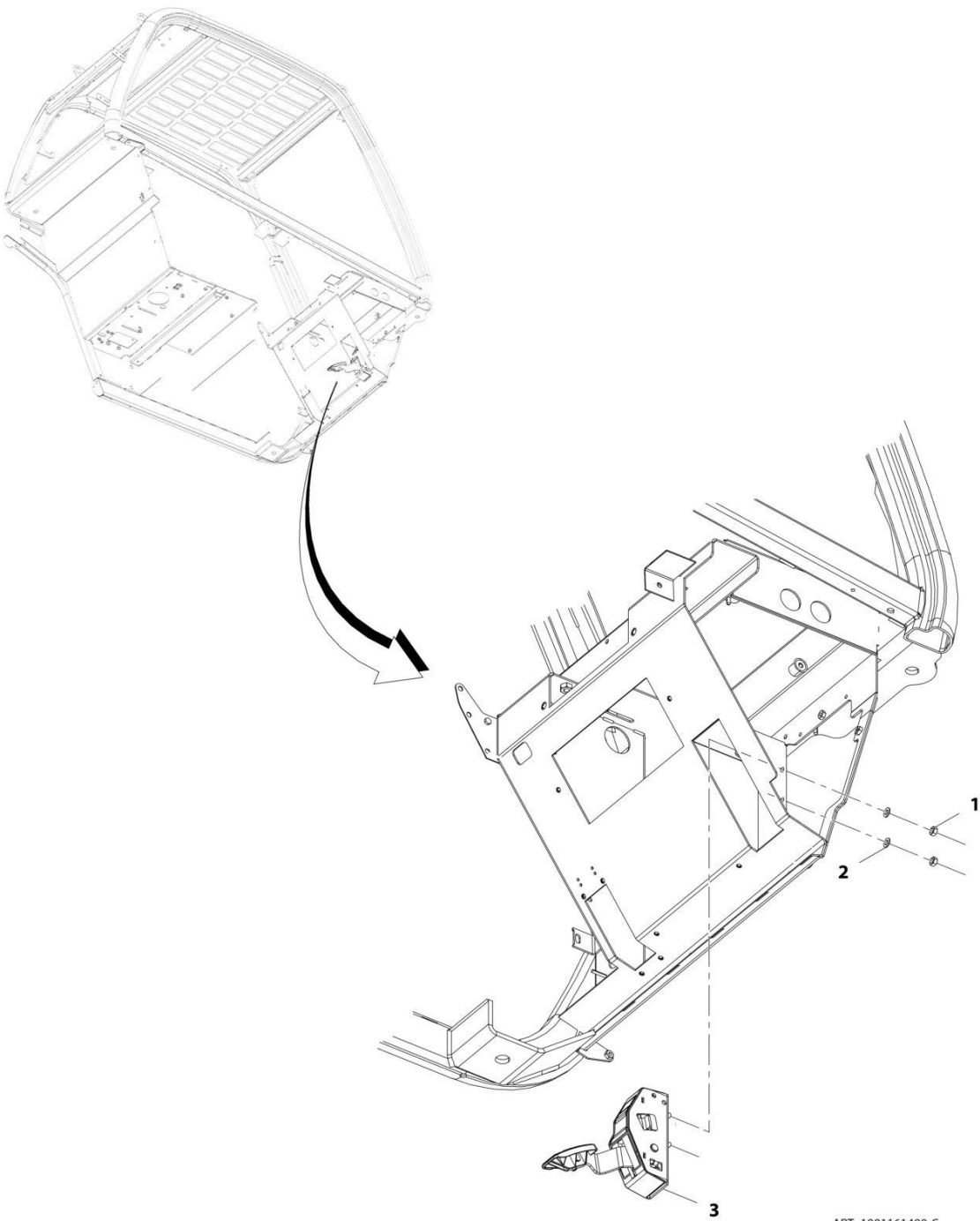
FIGURE 6-70. MOVING ARMREST BRACKET

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001191284	Ref	Moving Armrest Bracket	B
2	1001191311	2	Side Rail	
3	1001191312	1	Armrest Mount Bracket	
4	1001191313	1	Spacer Block Plate	
5	1001191959	4	Rivenut M6 X 1	
6	3290605	4	Nut, Lock M6X1	
7	4010612002	4	Screw, M6X25	

SECTION 7 - CONTROLS

SECTION 7 - CONTROLS

FIGURE 7-1. ACCELERATOR PEDAL INSTALLATION



ART_1001161499-C

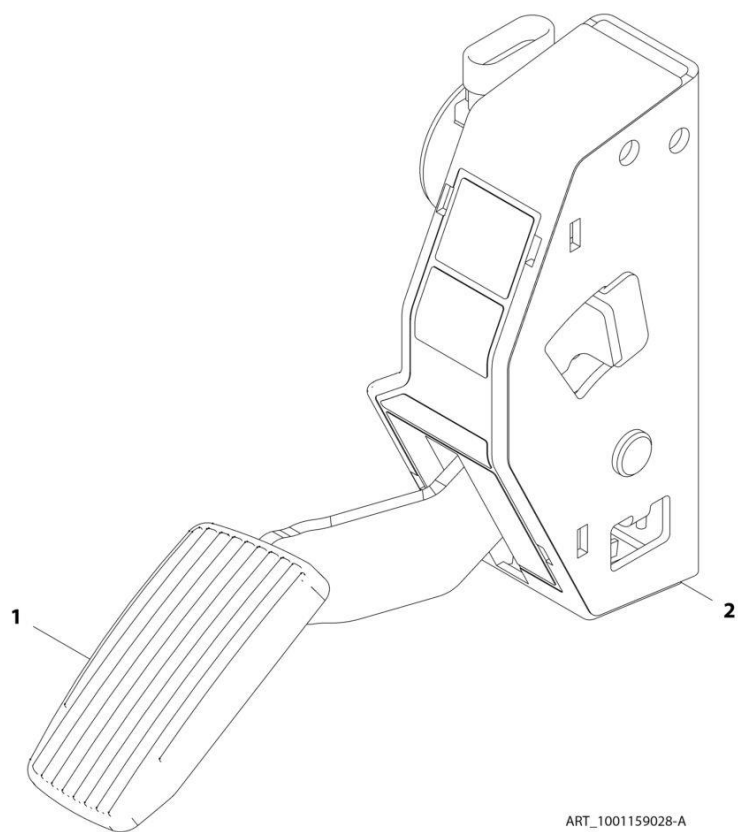
SECTION 7 - CONTROLS

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

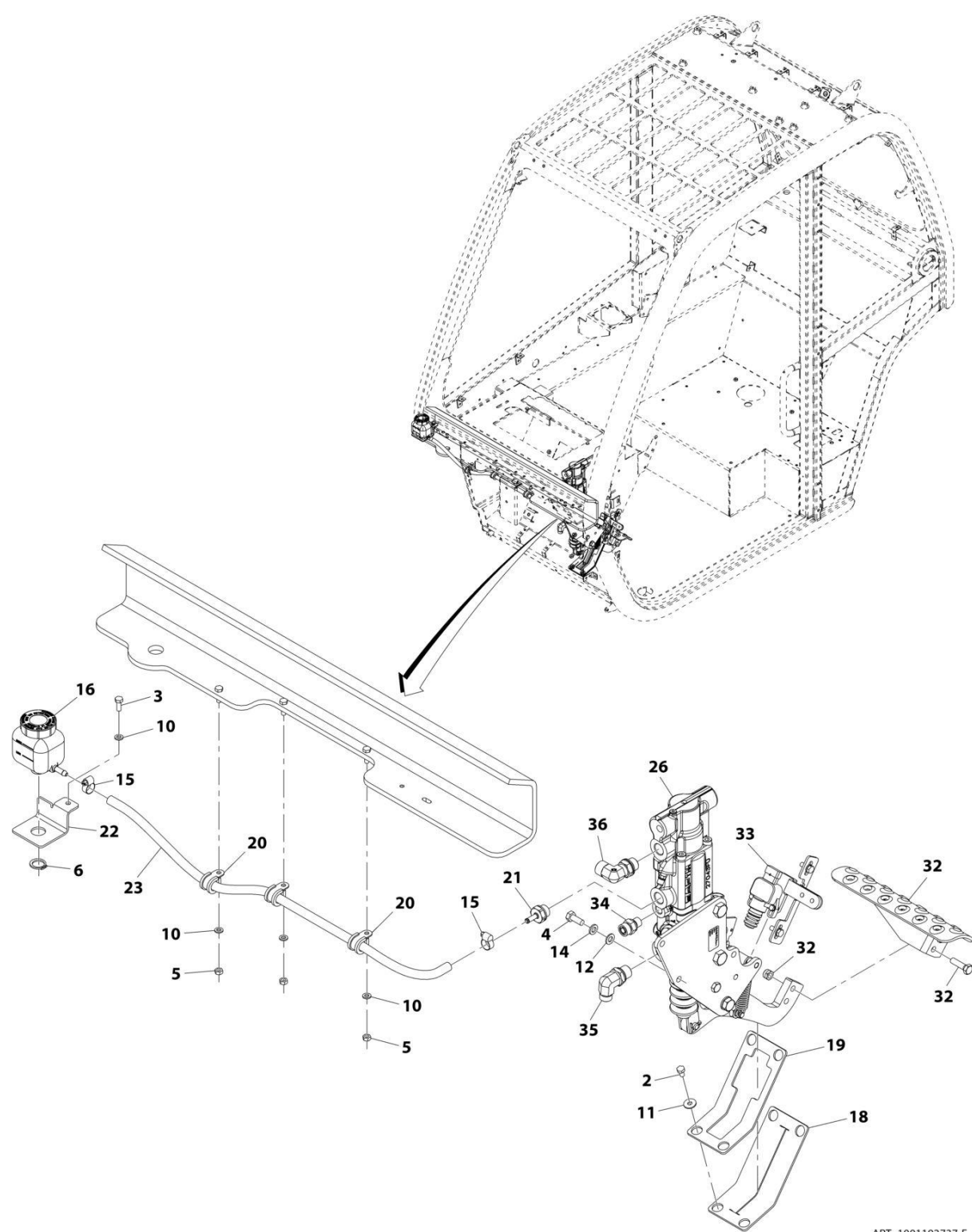
SECTION 7 - CONTROLS

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_1001192737-E

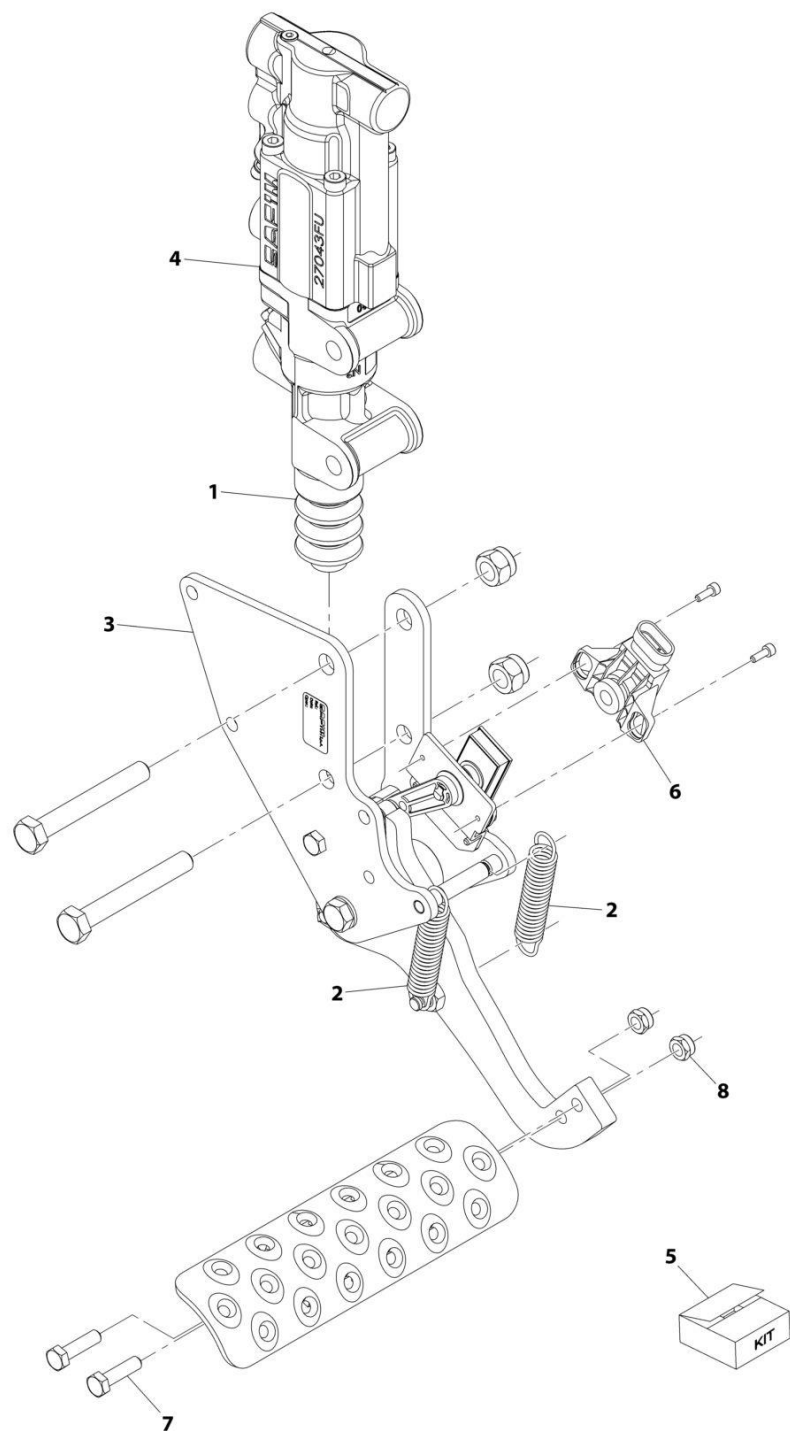
SECTION 7 - CONTROLS

FIGURE 7-3. BRAKE PEDAL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192737	Ref	Brake Pedal Installation	E
2	0760605	4	Bolt, M6X10	
3	0760608	1	Bolt, M6X16	
4	0760810	3	Bolt, M8X20	
5	3290601	3	Nut, M6X1	
6	3760348	1	Ring, Retaining	
10	4811700	4	Washer, M6	
11	4811702	4	Washer, M6	
12	4811900	3	Washer, M8	
14	4831900	3	Washer, Lock M8	
15	8405009	2	Clamp	
16	1001214220	1	Reservoir, Brake	
18	1001162920	1	Seal	
19	1001162922	1	Plate	
20	1001170231	3	Clip	
21	1001171874	1	Fitting, Straight	
22	1001172088	1	Bracket	
23	1001172094	1	Hose	
26	1001213265	1	Assembly, Brake Pedal (See Separate Breakdown in this Section)	
32	1001197139	1	Plate, Brake Pedal	
33	1001205061	Ref	Installation, Brake Sensor (See Separate Breakdown in this Section)	
34	80233218	1	Fitting, Straight ORFS	
35	80333151	1	Fitting, 90 ORFS	
36	1001168054	1	Fitting, 90 ORFS	

SECTION 7 - CONTROLS

FIGURE 7-4. BRAKE PEDAL ASSEMBLY



ART_1001213265-A

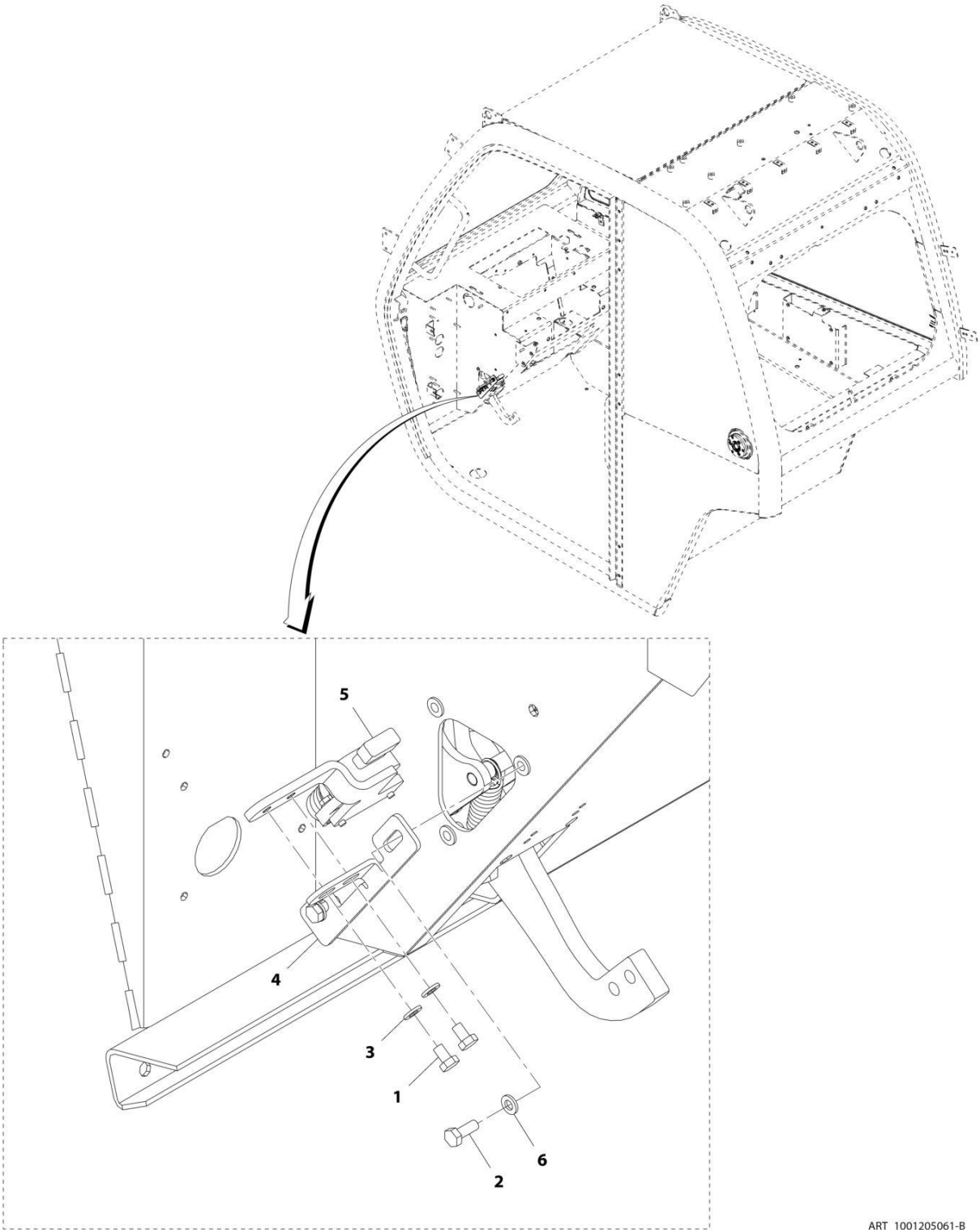
SECTION 7 - CONTROLS

FIGURE 7-4. BRAKE PEDAL ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001213265	Ref	Brake Pedal Assembly	A
1	70025859	1	Cover, Dust	
2	70025860	2	Spring, Return	
3	70028381	1	Support, Pedal	
4	70028382	1	Cylinder, Master	
5	70026434	1	Kit, Seal	
6	70028383	1	Sensor, Angle	
7	0770814	2	Bolt, M8X30 Grade 10.9	
8	3290805	2	Nut, Lock M8X1.25 Grade 8	

SECTION 7 - CONTROLS

FIGURE 7-5. BRAKE SENSOR INSTALLATION



ART_1001205061-B

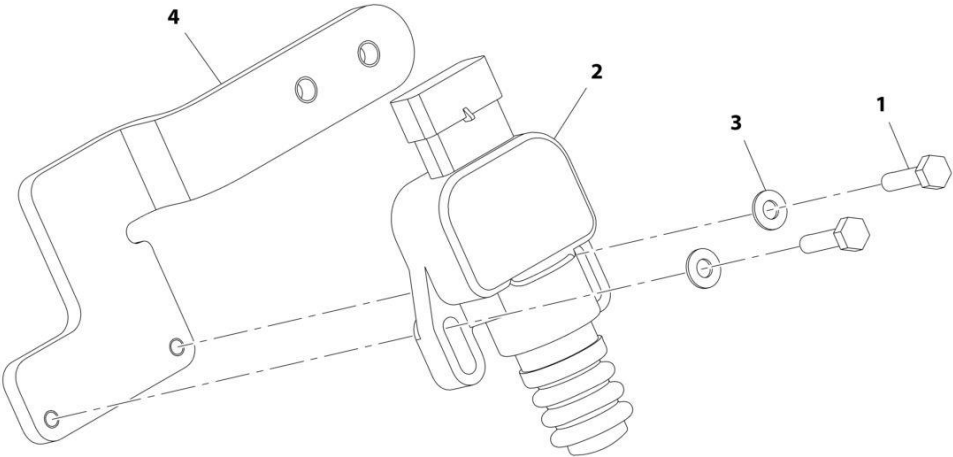
SECTION 7 - CONTROLS

FIGURE 7-5. BRAKE SENSOR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001205061	Ref	Brake Sensor Installation	B
1	0760605	2	Bolt, M6X10	
2	0760608	2	Bolt, M6X16	
3	4811700	2	Washer, M6	
4	1001201499	1	Plate, Switch Adjustment	
5	1001201501	1	Assembly, Switch Plate (See Separate Breakdown in this Section)	
6	4811702	2	Washer, M6	

SECTION 7 - CONTROLS

FIGURE 7-6. SWITCH PLATE ASSEMBLY



ART_1001201501-A

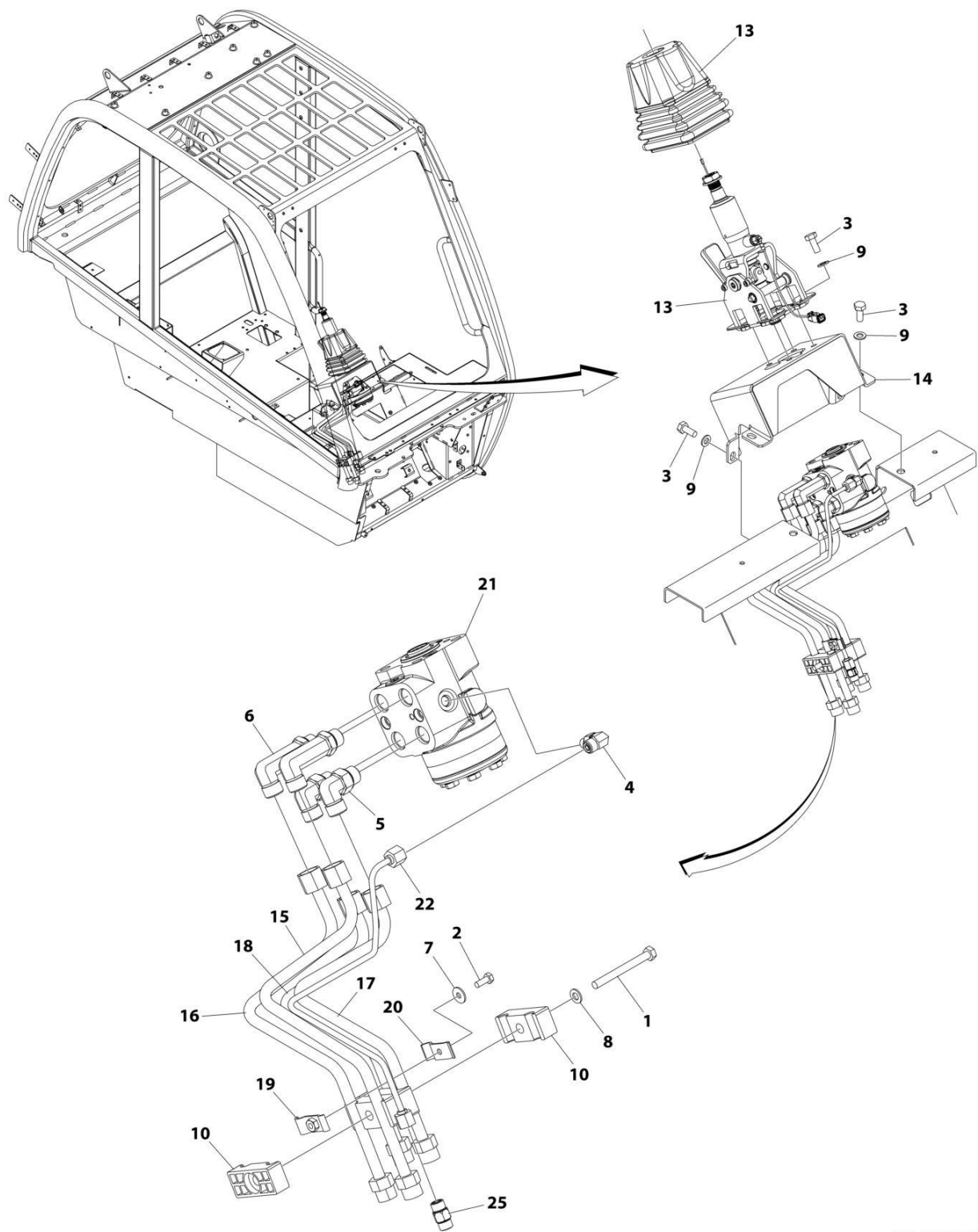
SECTION 7 - CONTROLS

FIGURE 7-6. SWITCH PLATE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001201501	Ref	Switch Plate Assembly	A
1	0700408	2	Bolt, M4X16	
2	4360658	1	Sensor, Brake	
3	4811400	2	Washer, M4	
4	1001201500	1	Plate	

SECTION 7 - CONTROLS

FIGURE 7-7. TILT STEERING COLUMN INSTALLATION



ART_1001192410_I

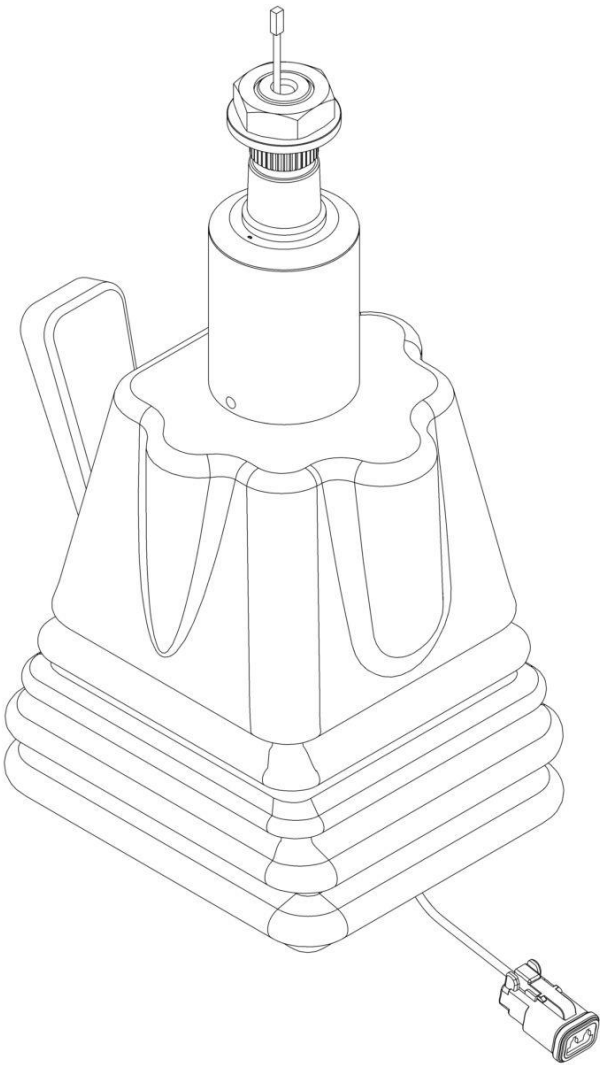
SECTION 7 - CONTROLS

FIGURE 7-7. TILT STEERING COLUMN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192410	Ref	Tilt Steering Column Installation	I
1	0700824	1	Bolt M8 x 80	
2	0760608	1	Bolt M6 x 16	
3	0761012	8	Bolt M10 x 25	
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	1001095650	AR	Adhesive (Not Shown)	
13	1001257330	1	Column, Tilt Steering (See Separate Breakdown in this Section)	
14	1001156265	1	Bracket, Support	
15	1001161672	1	Pipe	
16	1001161896	1	Pipe	
17	1001161897	1	Pipe	
18	1001161898	1	Pipe	
19	1001168142	1	Bracket	
20	1001168151	1	Bracket	
21	1001178670	1	Valve, Steer (See Separate Breakdown in HYDRAULICS COMPONENTS Section)	
22	1001194282	1	Pipe	
25	1001227945	1	Valve, Check	

SECTION 7 - CONTROLS

FIGURE 7-8. TILT STEERING COLUMN



ART_1001257330

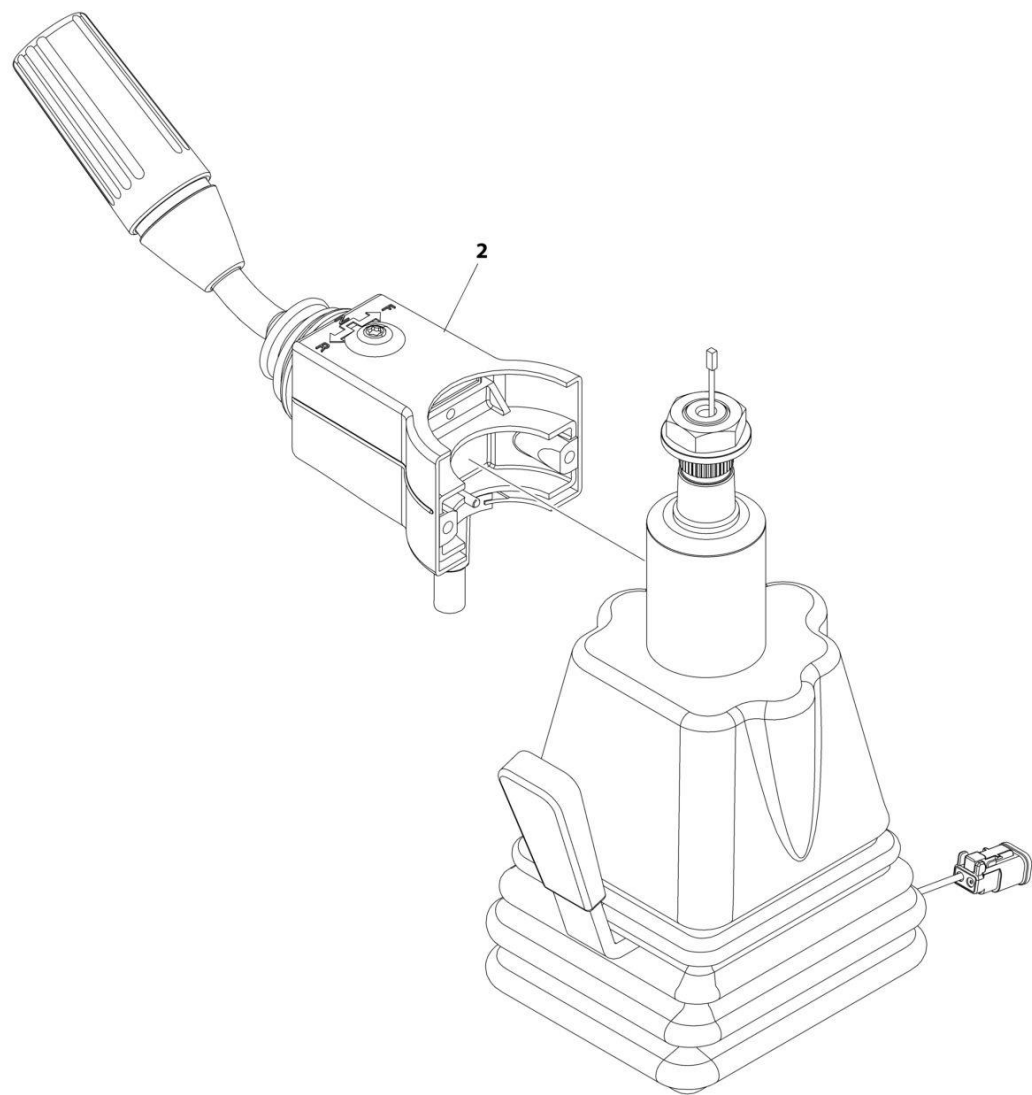
SECTION 7 - CONTROLS

FIGURE 7-8. TILT STEERING COLUMN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001257330	Ref	TILT STEERING COLUMN	A
		Ref	Note: No Service Parts Available - Purchase Complete Assembly	

SECTION 7 - CONTROLS

FIGURE 7-9. COLUMN SHIFT INSTALLATION (2 SPEED)



ART_1001220507_B

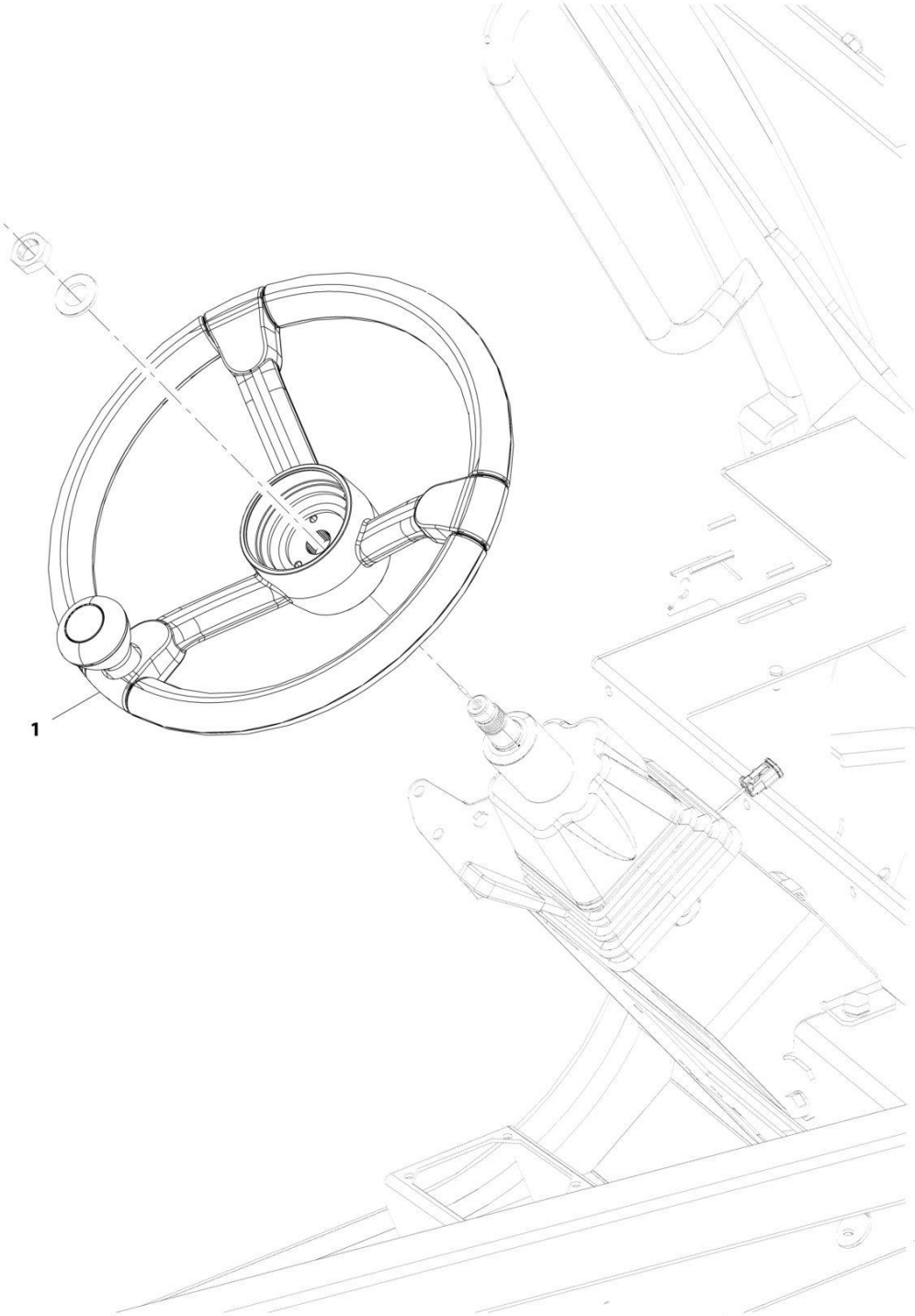
SECTION 7 - CONTROLS

FIGURE 7-9. COLUMN SHIFT INSTALLATION (2 SPEED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
2	1001220507	Ref	Column Shift Installation (2 Speed)	B
	1001257088	1	Lever, FNR (2 Speed)	

SECTION 7 - CONTROLS

FIGURE 7-10. STEERING WHEEL INSTALLATION



ART_1001169751-C

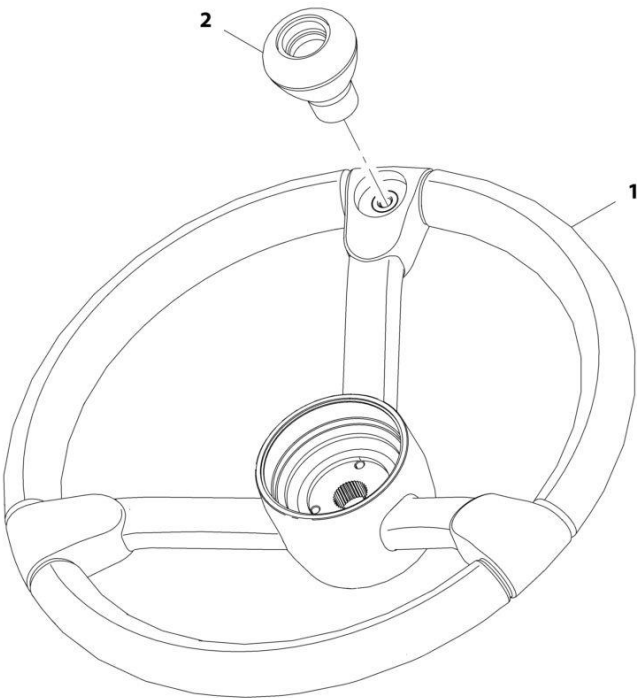
SECTION 7 - CONTROLS

FIGURE 7-10. 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 7-11. STEERING WHEEL



ART_1001169354-D

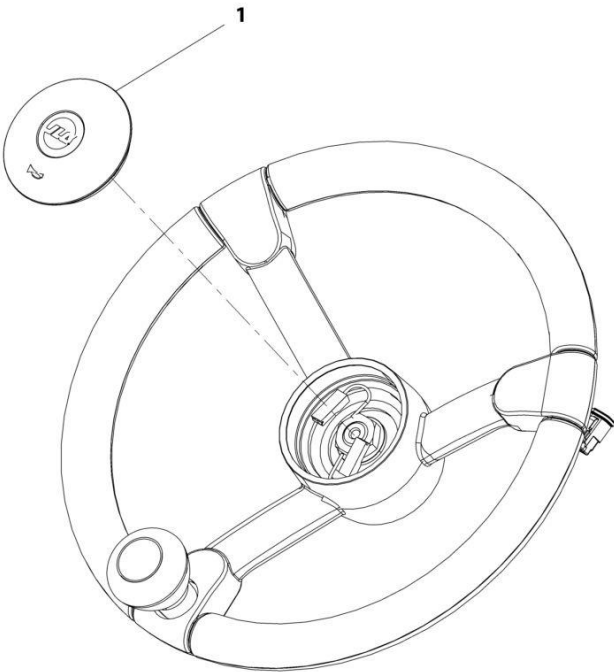
SECTION 7 - CONTROLS

FIGURE 7-11. 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 7-12. HORN BUTTON INSTALLATION



ART_1001169763-A

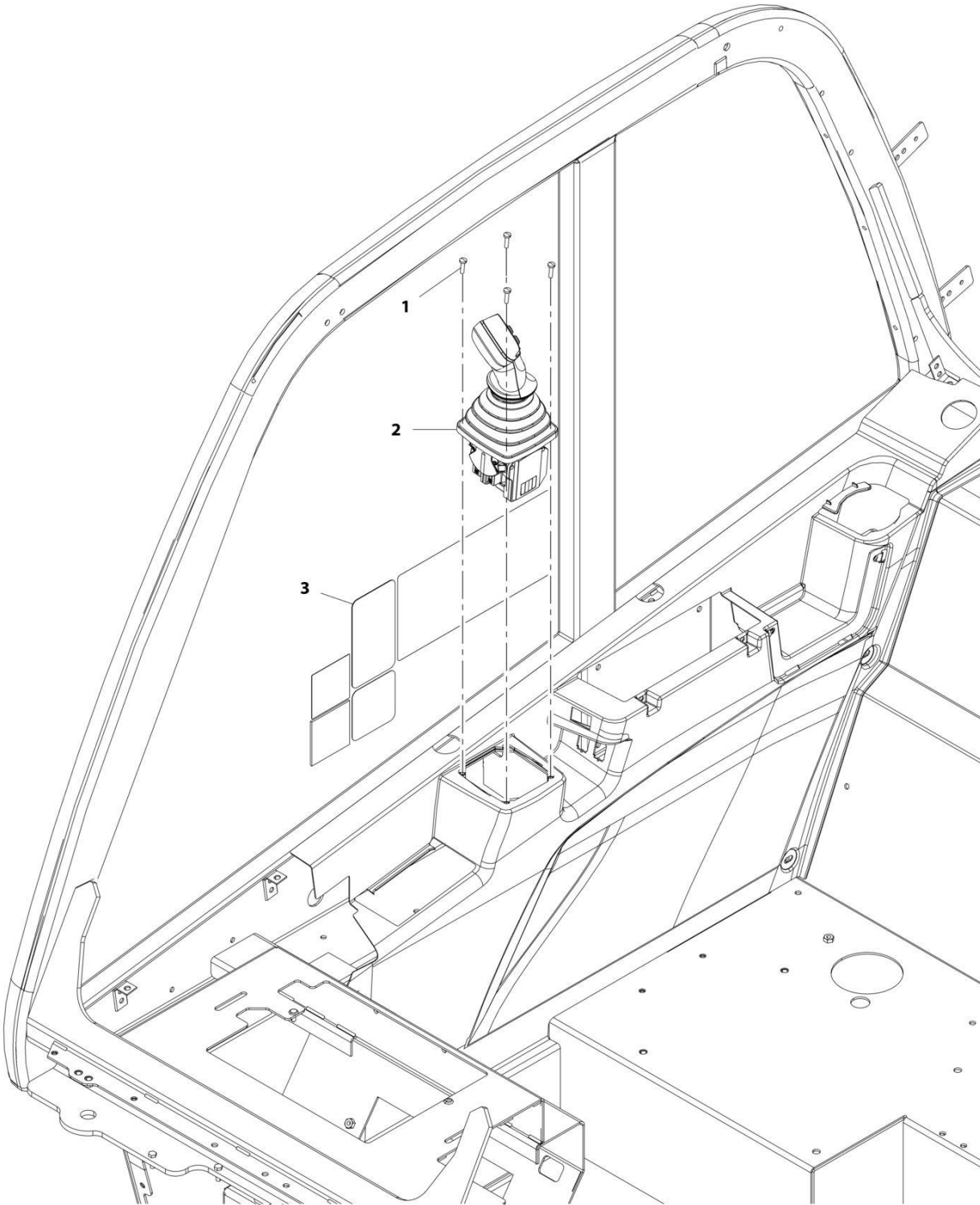
SECTION 7 - CONTROLS

FIGURE 7-12. HORN BUTTON INSTALLATION

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

SECTION 7 - CONTROLS

FIGURE 7-13. JOYSTICK INSTALLATION (2 SPEED)



ART_1001216757-B

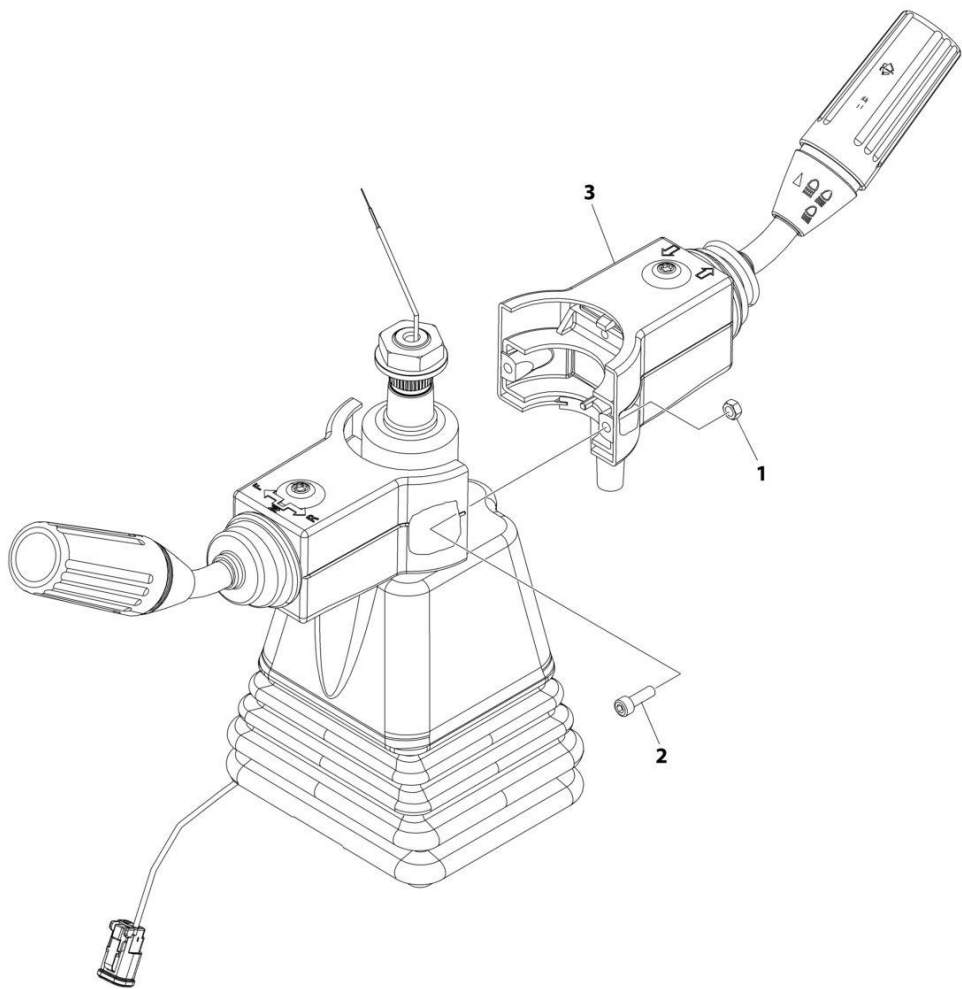
SECTION 7 - CONTROLS

FIGURE 7-13. JOYSTICK INSTALLATION (2 SPEED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001216757	Ref	Joystick Installation (2 Speed)	C
1	4010510	4	Screw, M5X20	
2	1001222606	1	Joystick, 2R2B	
3	1001216803	1	Decal	

SECTION 7 - CONTROLS

FIGURE 7-14. WIPER-TURN SWITCH



ART_1001257071

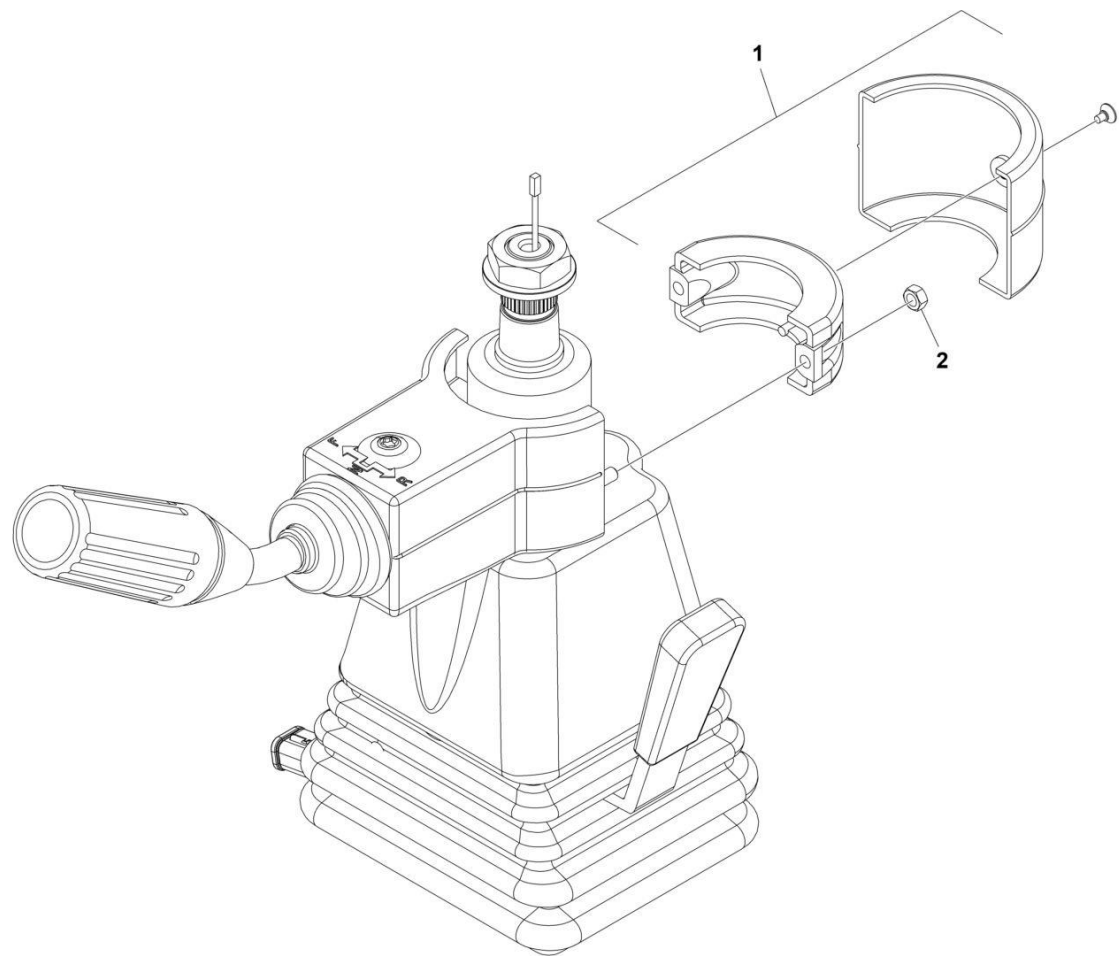
SECTION 7 - CONTROLS

FIGURE 7-14. 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 7 - CONTROLS

FIGURE 7-15. COLUMN CLAMP INSTALLATION



ART_1001182671_E

SECTION 7 - CONTROLS

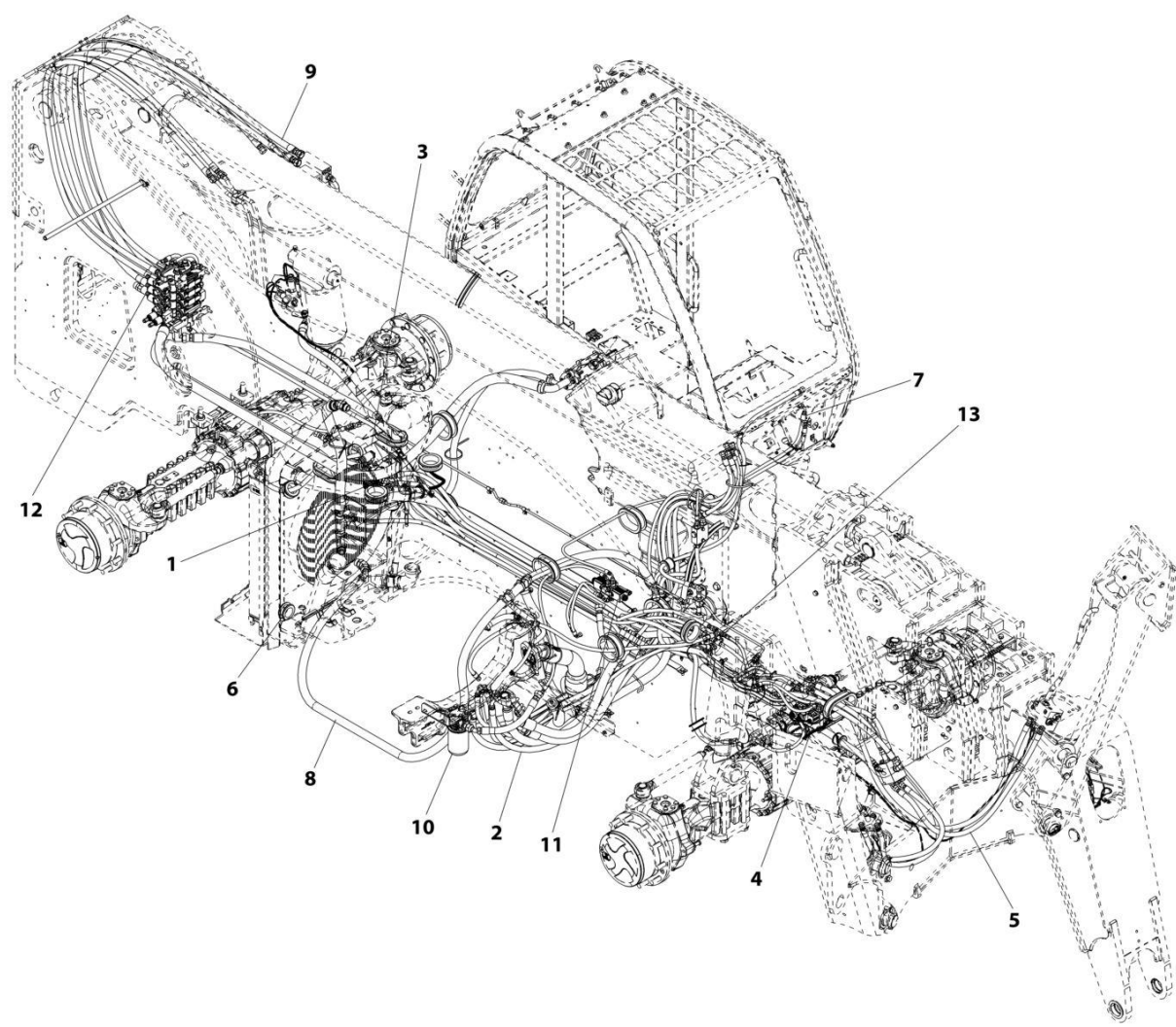
FIGURE 7-15. COLUMN CLAMP INSTALLATION

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

SECTION 8 - HYDRAULIC CIRCUITS

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-1. MAIN HYDRAULIC INSTALLATION



ART_1001205882-B

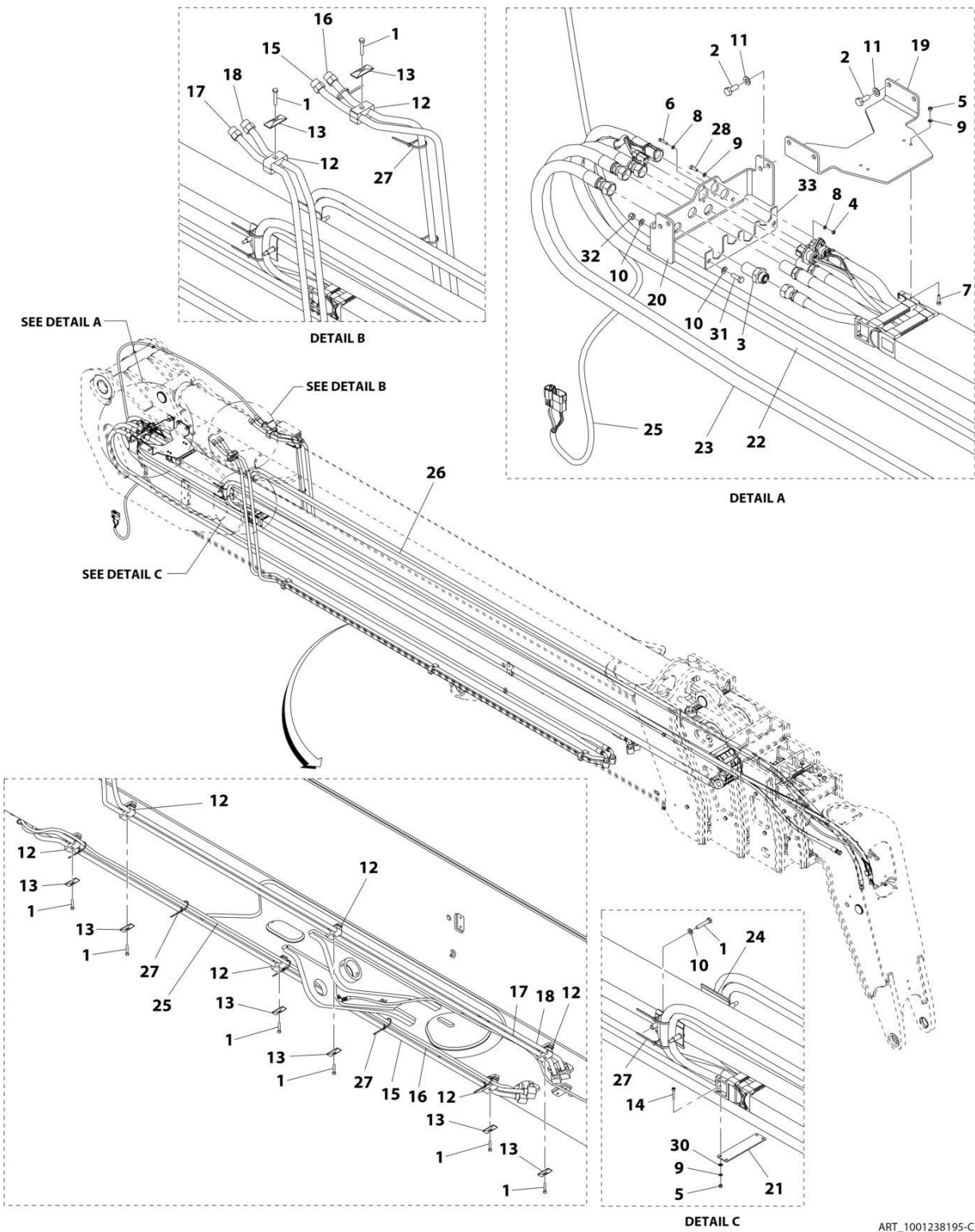
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-1. MAIN HYDRAULIC INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001205882	Ref	Main Hydraulic Installation	B
1	1001193516	1	Installation, Steer Select Valve (See Separate Breakdown in this Section)	
2	1001242919	1	Installation, Frame Hydraulics (See Separate Breakdown in this Section)	
3	1001243703	1	Installation, RAS Variable Reducing Valve (See Separate Breakdown in this Section)	
4	1001245232	1	Installation, Frame Sway Control Valve (See Separate Breakdown in this Section)	
5	1001245870	1	Installation, Outtrigger Hydraulics (See Separate Breakdown in this Section)	
6	1001246532	1	Installation, Grommets (See Separate Breakdown in this Section)	
7	1001247057	1	Installation, Cab Hydraulics (See Separate Breakdown in this Section)	
8	1001247107	1	Installation, Engine Bay Hydraulic (See Separate Breakdown in this Section)	
9	1001247154	1	Installation, Boom Hydraulic Lines (See Separate Breakdown in this Section)	
10	1001247210	1	Installation, Charge Filter Hose (See Separate Breakdown in this Section)	
11	1001247223	1	Installation, Speed Control Valve (See Separate Breakdown in this Section)	
12	1001248169	1	Installation, Main Control Valve (See Separate Breakdown in this Section)	
13	1001248354	1	Installation, SAHR Valve (See Separate Breakdown in this Section)	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-2. BOOM HYDRAULICS INSTALLATION



ART_1001238195-C

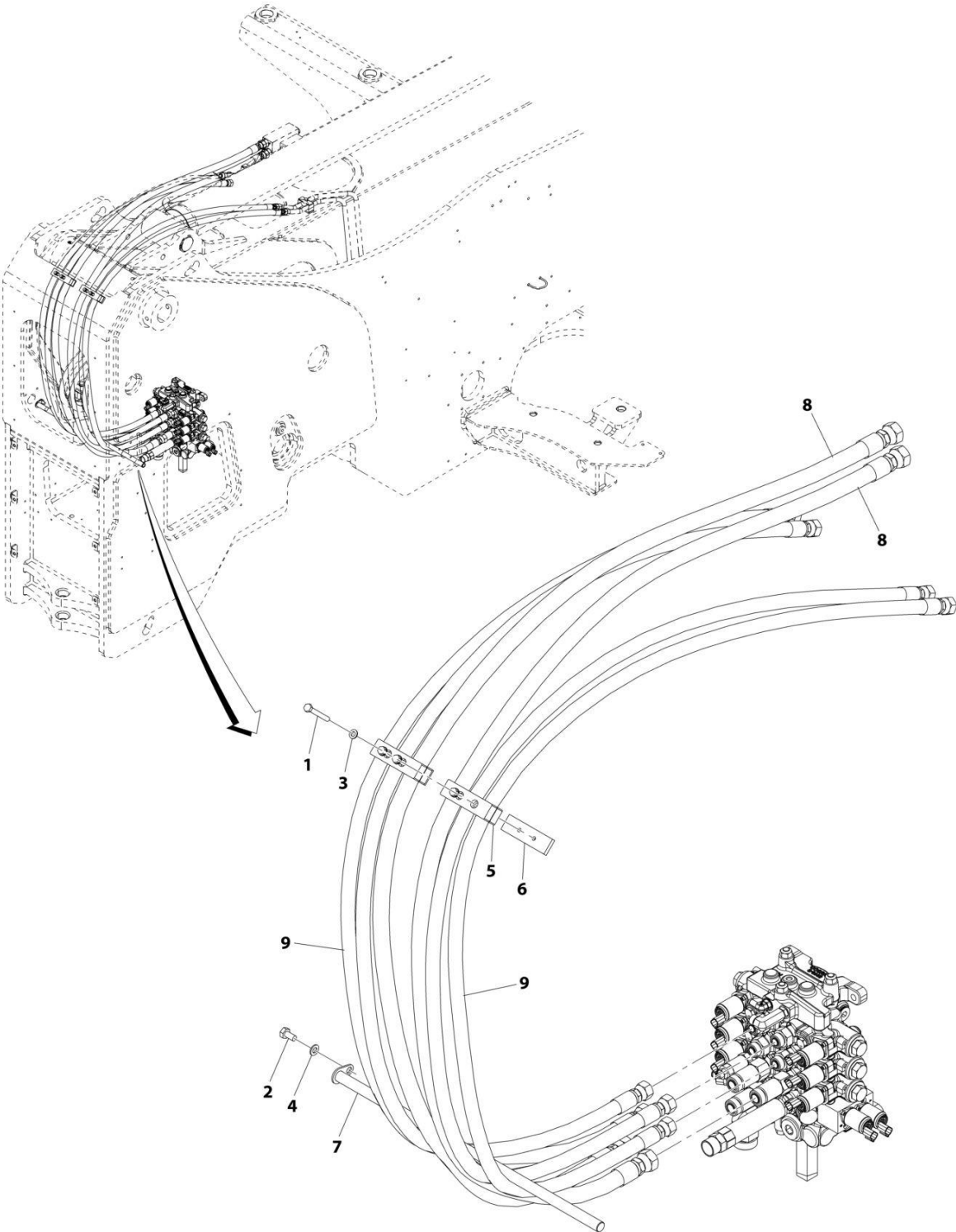
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-2. BOOM HYDRAULICS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238195	Ref	Boom Hydraulics Installation	C
1	0700817	12	Bolt, M8X45	
2	0761012	8	Bolt, M10X25	
3	2171110	1	Fitting	
4	3290405	2	Nut, Lock M4X0.7	
5	3290505	8	Nut, Lock M5X0.8	
6	4031508	2	Screw, M4X20	
7	4031608	4	Screw, M5X20	
8	4811400	4	Washer, M4	
9	4811600	10	Washer, M5	
10	4811900	8	Washer, M8	
11	4812000	8	Washer, M10	
12	77133136	8	Clamp Set	
13	77133137	8	Plate	
14	1001104029	4	Screw, M5X.8X30	
15	1001237435	1	Hose	
16	1001237436	1	Hose	
17	1001237437	1	Hose	
18	1001237438	1	Hose	
19	1001237497	1	Bracket, Hose Chain	
20	1001237498	1	Bracket, Bulkhead	
21	1001237499	1	Plate, Chain Backing	
22	1001237540	1	Hose	
23	1001237541	1	Hose	
24	1001238509	2	Bracket, Hose Clamp	
25	1001243196	1	Boom to Frame Harness (See Separate Breakdown in Electrical Section)	
26	1001245316	1	Installation, Boom Hose and Chain (See Separate Breakdown in this Section)	
27	471678	11	Strap, Tie	
28	4031607	2	Screw, M5-0.8X16	
30	1001253728	4	Washer, M5	
31	0760812	2	Bolt, M8X25	
32	3290805	2	Nut, Lock M8X1.25 Grade 8	
33	1001255255	1	Plate, Bulkhead Locking	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-3. BOOM HYDRAULIC LINES INSTALLATION



ART_1001247154-B

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-3. BOOM HYDRAULIC LINES INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247154	Ref	Boom Hydraulic Lines Installation	B
1	0700821	4	Bolt, M8 X 65	
2	0761010	1	Bolt, M10 X 20	
3	4811900	4	Washer, M8	
4	4812000	1	Washer, M10	
5	1001104979	2	Clamp	
6	1001226557	2	Plate, Hose Clamp	
7	1001247155	1	Bar, Hose Guide Assembly	
8	1001247158	2	Hose	
9	1001247159	4	Hose	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-4. BOOM HOSE AND CHAIN INSTALLATION



ART_1001245316-B

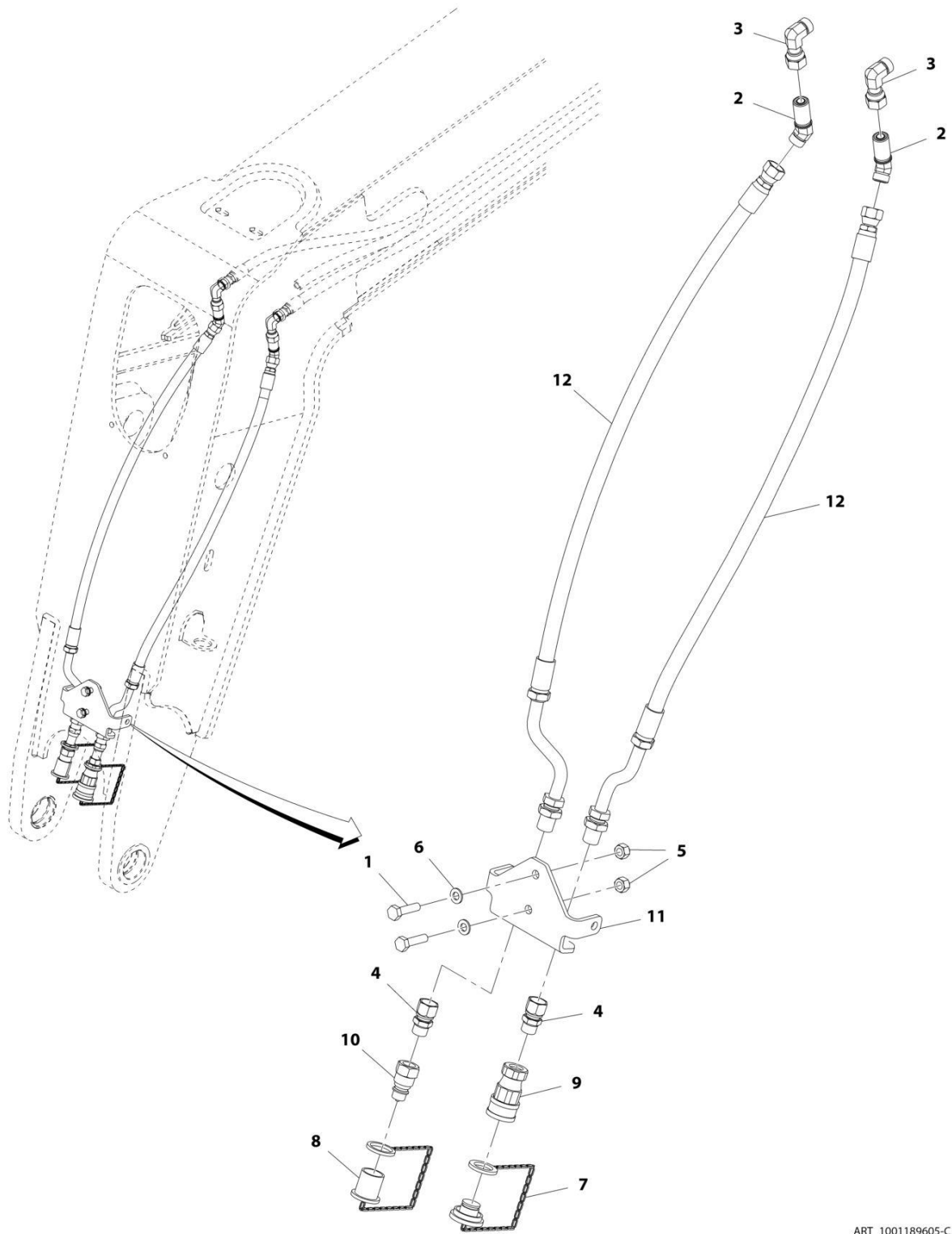
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-4. BOOM HOSE AND CHAIN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245316	Ref	Boom Hose and Chain Installation	B
1	1001237669	2	Hose	
2	1001237670	1	Hose	
3	1001237671	1	Hose	
4	1001243198	1	Boom Harness (See Separate Breakdown in Electrical Section)	
5	1001244220	1	Chain	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-5. BOOM AUXILIARY HYDRAULICS INSTALLATION



ART_1001189605-C

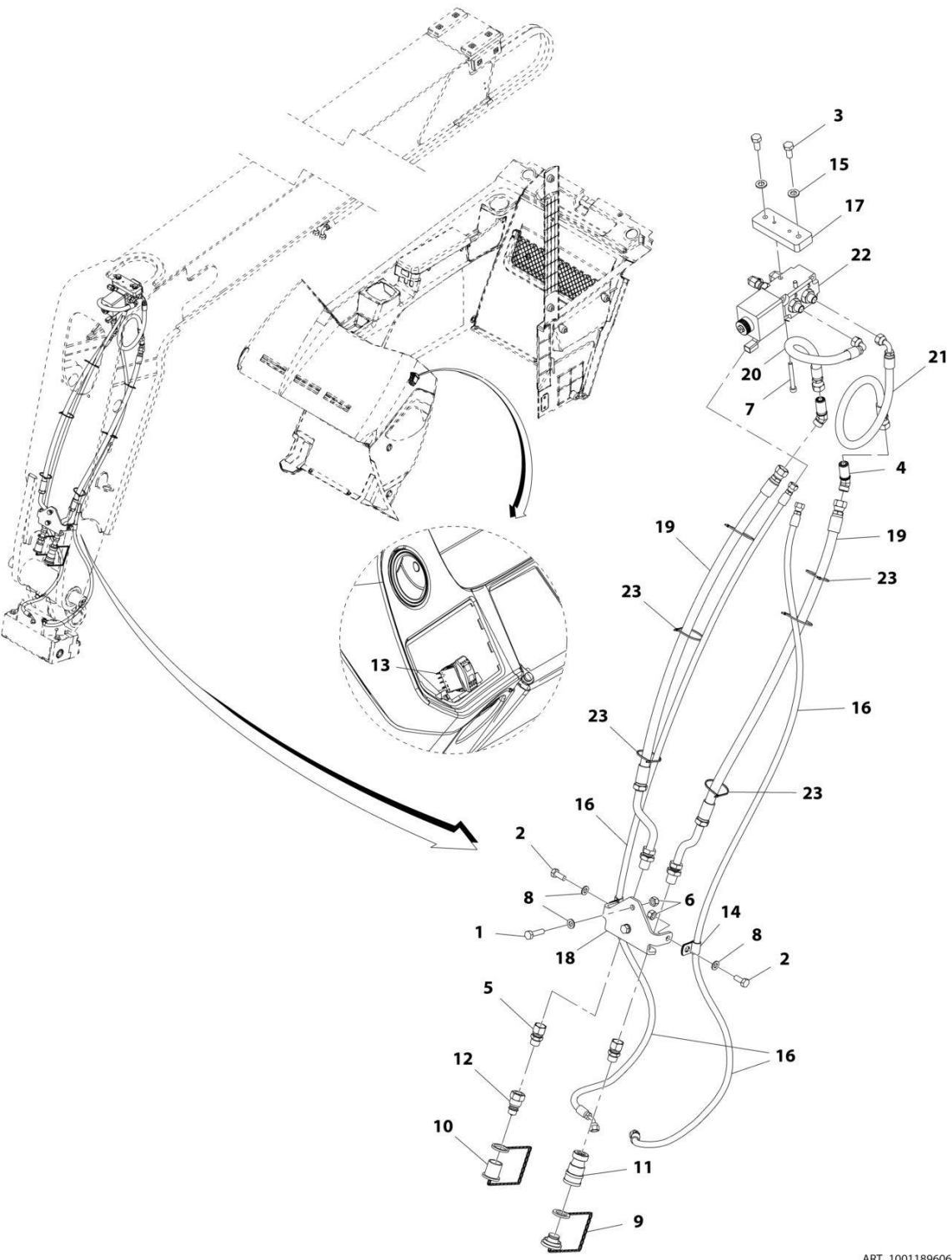
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-5. BOOM AUXILIARY HYDRAULICS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001189605	Ref	Boom Auxiliary Hydraulics Installation	C
1	0701016	2	Bolt, M10X40	
2	2171308	2	Fitting, 45 ORFS	
3	2172108	2	Fitting, 90 ORFS	
4	1001210775	2	Fitting, Straight	
5	3291005	2	Nut, Lock M10X1.5	
6	4812000	2	Washer, M10	
7	91043125	1	Plug	
8	91043126	1	Cap	
9	91403413	1	Fitting, Straight	
10	91403414	1	Fitting, Straight	
11	1001164948	1	Bracket	
12	1001189224	2	Hose	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-6. BOOM AUXILIARY HYDRAULICS (HYDRAULIC COUPLER)



ART_1001189606-F

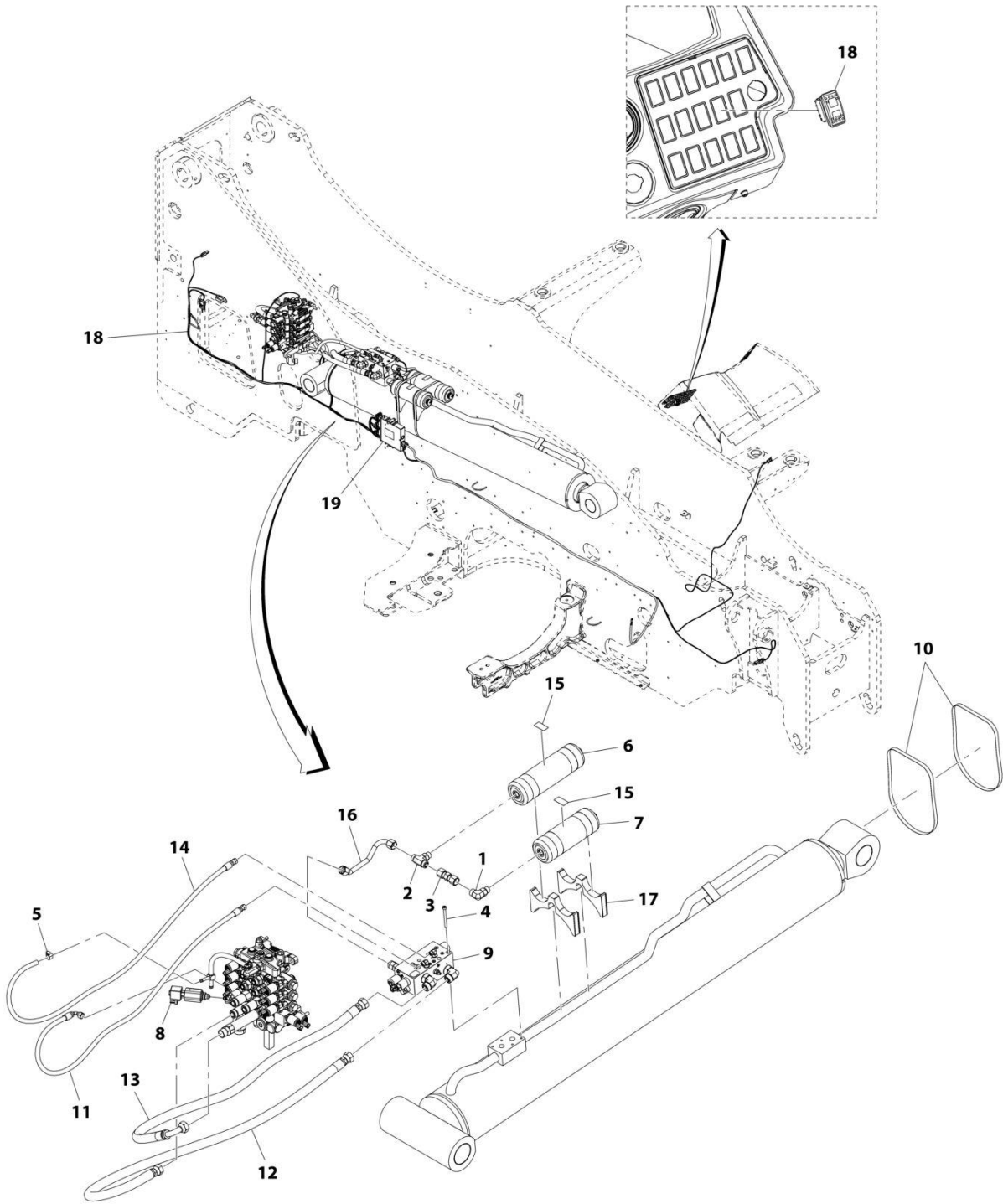
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-6. BOOM AUXILIARY HYDRAULICS (HYDRAULIC COUPLER)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001189606	Ref	Boom Auxiliary Hydraulics (Hydraulic Coupler)	F
1	0701016	2	Bolt, M10X40	
2	0761012	2	Bolt, M10X25	
3	0761212	2	Bolt, M12X25	
4	2171308	2	Fitting, 45 ORFS	
5	1001210775	2	Fitting, Straight	
6	3291005	4	Nut, Lock M10X1.5	
7	4031918	2	Bolt, M8X70	
8	4812000	4	Washer, M10	
9	91043125	1	Plug	
10	91043126	1	Cap	
11	91403413	1	Fitting, Straight	
12	91403414	1	Fitting, Straight	
13	1001080375	1	Switch	
14	1001080996	2	Clamp	
15	1001125117	2	Washer, M12	
16	1001210340	2	Hose	
17	1001164870	1	Plate	
18	1001164948	1	Bracket	
19	1001189224	2	Hose	
20	1001189299	1	Hose	
21	1001189308	1	Hose	
22	1001189663	1	Assembly, Valve Quick Coupler (See Separate Breakdown in this Section)	
23	4240099	6	Strap, Tie	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-7. BOOM RAISE HOSE INSTALLATION (RIDE CONTROL)



ART_1001205881-B

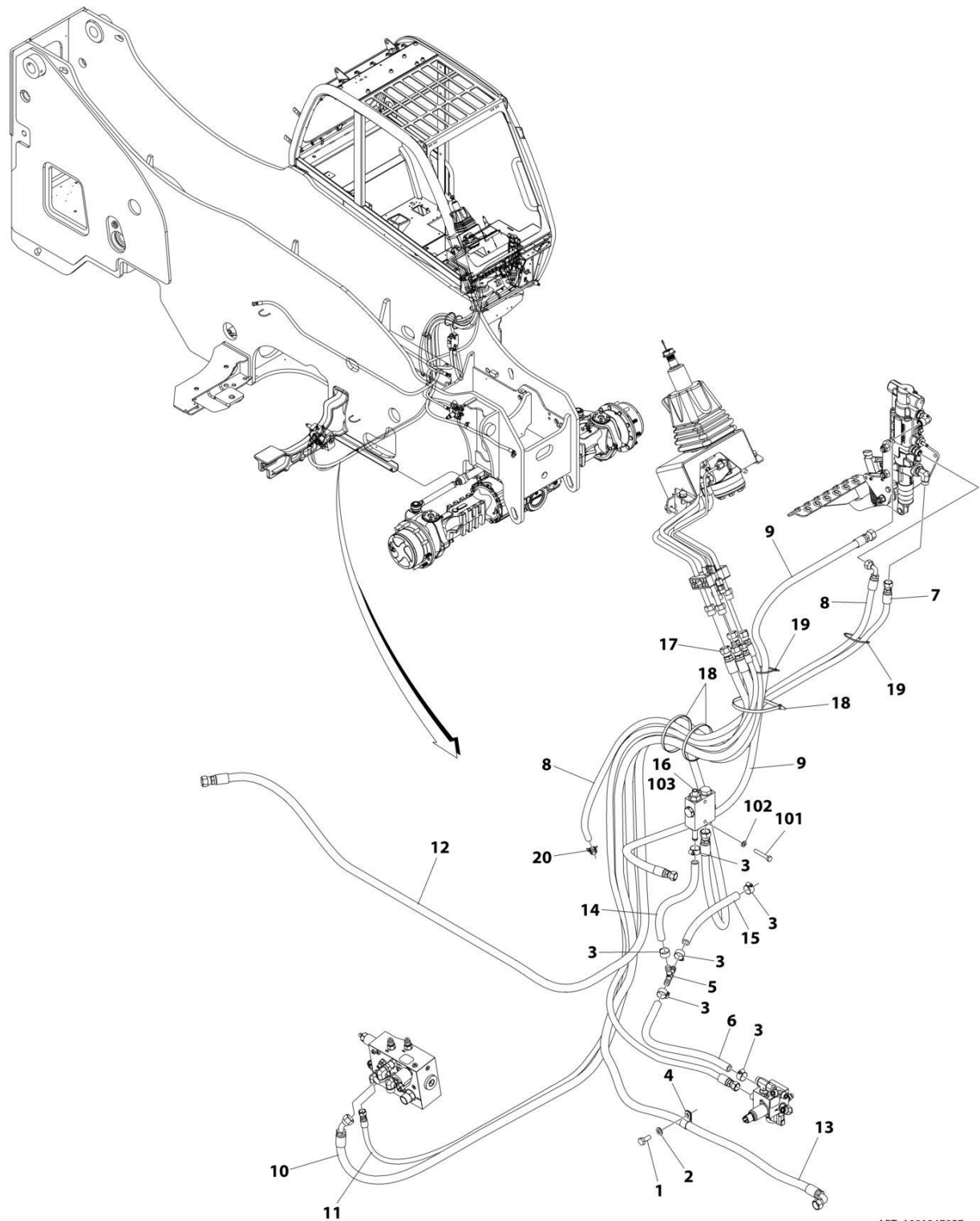
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-7. BOOM RAISE HOSE INSTALLATION (RIDE CONTROL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001205881	Ref	Boom Raise Hose Installation (Ride Control)	B
1	2131010	1	Fitting, ORFS	
2	2170410	1	Fitting	
3	2172410	1	Adaptor	
4	4031921	4	Bolt, M8X85	
5	8410013	1	Gear Clamp	
6	1001192771	1	Cylinder	
7	1001192772	1	Cylinder	
8	1001202020	1	Valve, MCV Tank Cartridge	
9	1001219765	1	Assembly, Ride and Float Valve (See Separate Breakdown in this Section)	
10	1001214829	2	Clamp	
11	1001247372	1	Hose	
12	1001247373	1	Hose	
13	1001247374	1	Hose	
14	1001247379	1	Hose	
15	1001247708	2	Decal, Stored Energy	
16	1001247979	1	Hose	
17	1001248677	2	Bumper, Cylinder Saddle	
18	1001248758	1	Installation, Ride Control Wiring (See Separate Breakdown in ELECTRICAL Section)	
19	1001266065	1	Installation, Boom Damping (See Separate Breakdown in ELECTRICAL Section)	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-8. CAB HYDRAULICS INSTALLATION



ART_1001247057

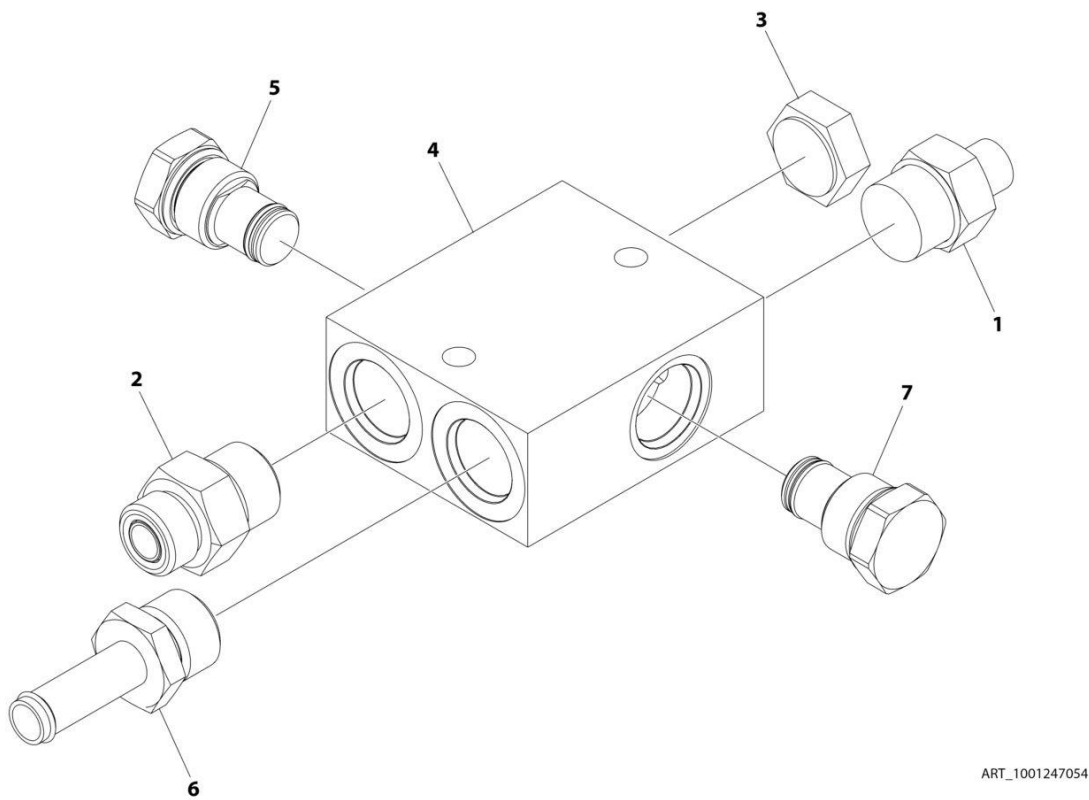
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-8. CAB HYDRAULICS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247057	Ref	CAB HYDRAULICS INSTALLATION	D
1	0761012	1	Bolt M10 x 25	
2	4812000	1	Washer M10	
3	8405006	6	Clamp, Gear	
4	8406102	1	Clip	
5	8430099	1	Tee	
6	1001246964	1	Hose	
7	1001246997	1	Hose	
8	1001246998	1	Hose	
9	1001210282	1	Hose	
10	1001247000	1	Hose	
11	1001247001	1	Hose	
12	1001253785	1	Hose	
13	1001247004	1	Hose	
14	1001247006	1	Hose	
15	1001247007	1	Hose	
16	1001248372	1	Check Valve Installation (includes items 101 thru 103)	
17	1001204152	1	Hose	
18	4240018	3	Tie Strap	
19	4240099	3	Tie, Wire	
20	1001152729	1	Clamp	
	1001248372	Ref	Check Valve Installation	C
101	0700818	2	Bolt M8 x 50	
102	4811900	2	Washer M8	
103	1001247054	1	Assembly, Check Valve & Fittings (See Separate Breakdown in HYDRAULIC CIRCUITS Section)	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-9. CAB CHECK VALVE & FITTING ASSEMBLY



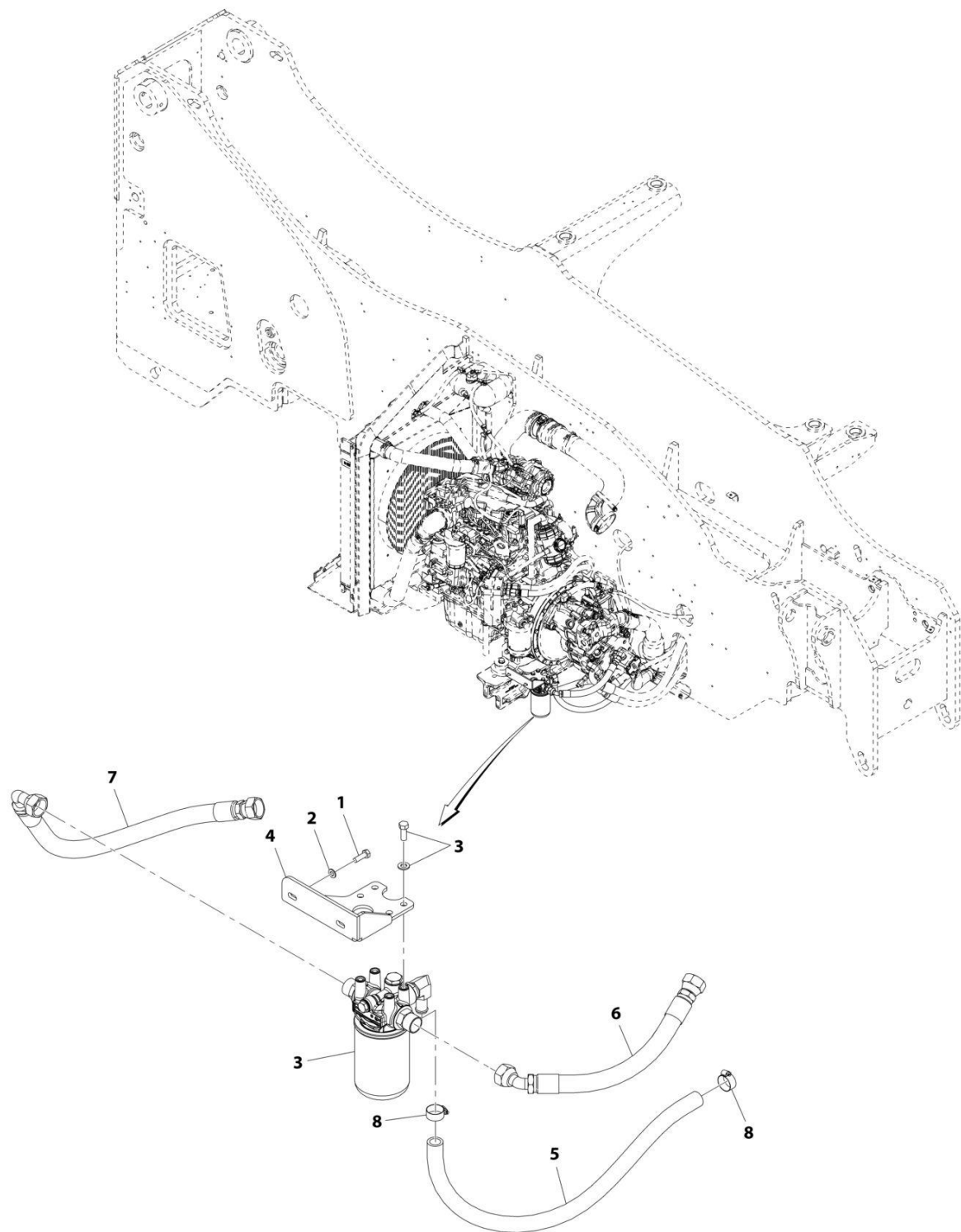
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-9. CAB CHECK VALVE & FITTING ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247054	Ref	CHECK VALVE ASSEMBLY	C
1	2110410	1	Fitting, Straight ORFS	
2	2110810	1	Fitting, Straight ORFS	
3	2220239	1	Plug	
4	1001210780	1	Manifold, Dual Check	
5	1001210801	1	Valve, Check (2 PSI)	
6	1001225656	1	Fitting, Straight ORFS	
7	1001231393	1	Valve, Check (30 PSI)	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-10. CHARGE FILTER HOSE INSTALLATION



ART_1001247210-A

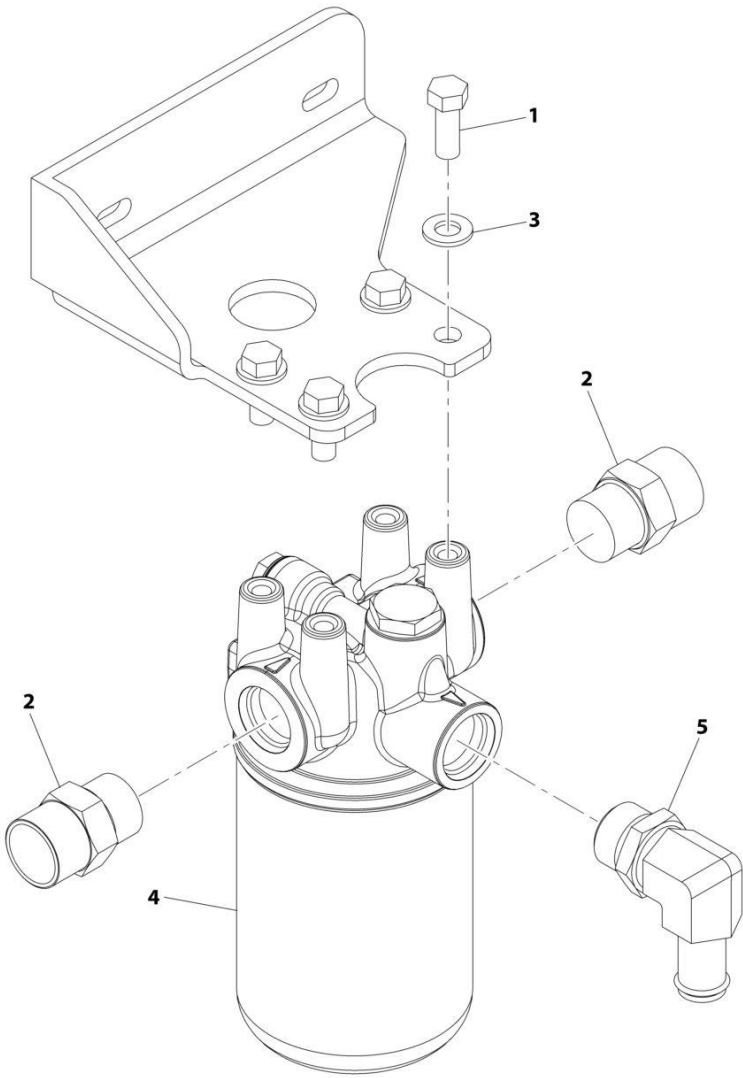
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-10. CHARGE FILTER HOSE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247210	Ref	Charge Filter Hose Installation	A
1	0700812	2	Screw, M8X25 LG	
2	4811900	2	Washer, M8	
3	1001247206	1	Installation, Charge Filter (See Separate Breakdown in this Section)	
4	1001247208	1	Bracket, Filter Support	
5	1001247211	1	Hose	
6	1001247212	1	Hose	
7	1001247213	1	Hose	
8	8405007	2	Clamp	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-11. CHARGE FILTER INSTALLATION



ART_1001247206-B

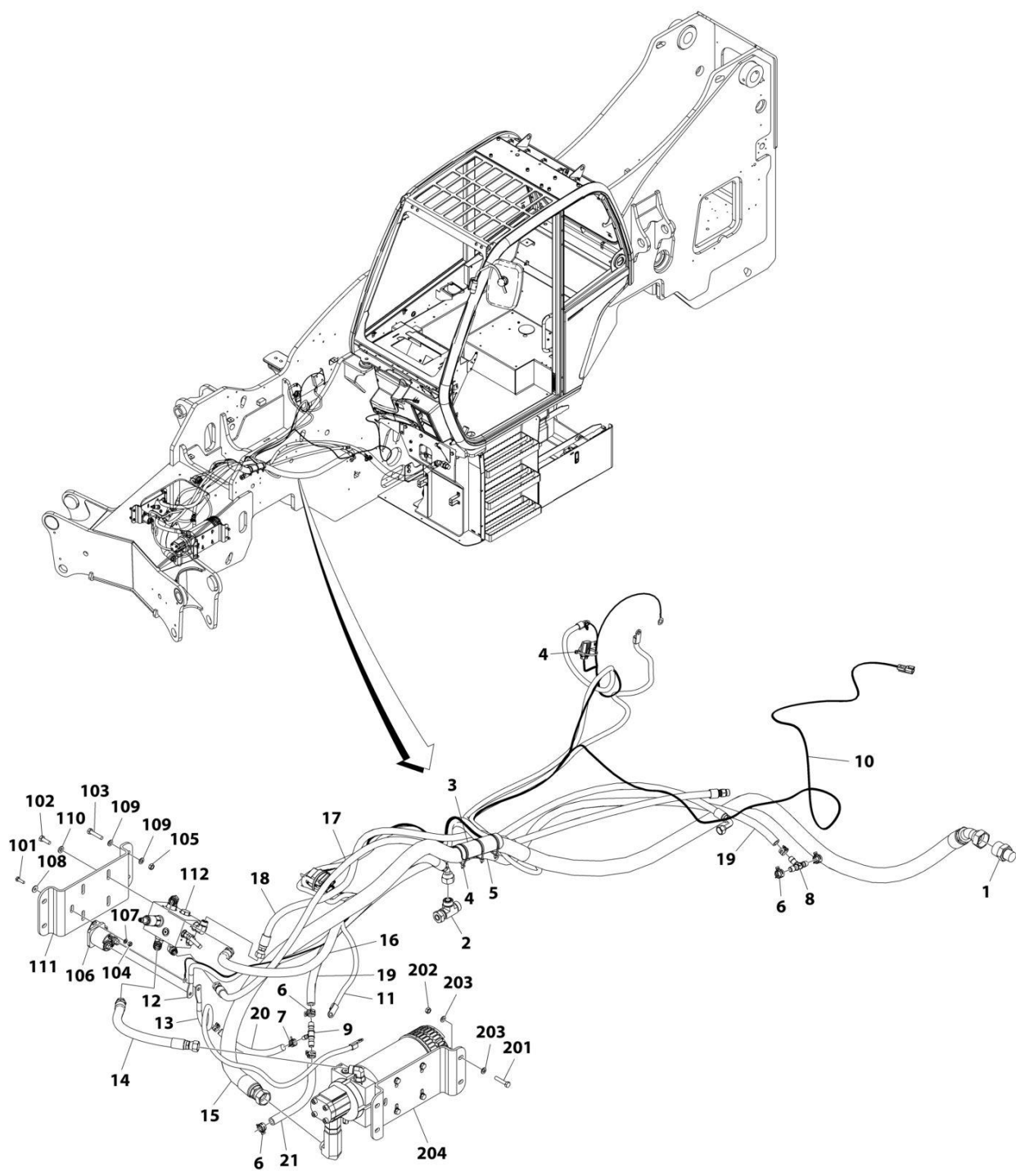
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-11. CHARGE FILTER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247206	Ref	Charge Filter Installation	B
1	0641608	4	Bolt, 3/8-16 X 1	
2	2111212	2	Fitting, Straight ORFS	
3	4812000	4	Washer, M10	
4	1001141976	1	Assembly, Implement Pump Filter (See Separate Breakdown in this Section)	
5	1001188880	1	Fitting	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-12. EMERGENCY LOWERING INSTALLATION



ART_1001266353

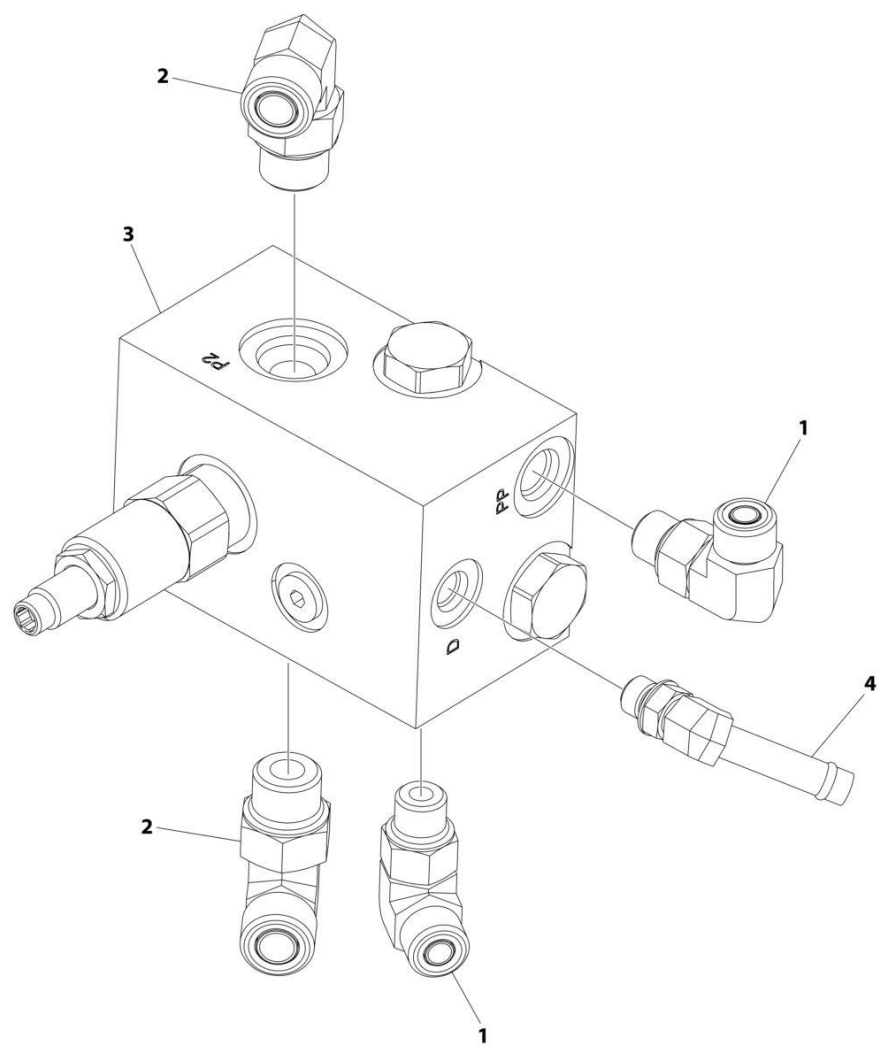
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-12. EMERGENCY LOWERING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266353	Ref	EMERGENCY LOWERING INSTALLATION	A
1	2111612	1	Fitting	
2	2170710	1	Fitting, Straight Adapter	
3	7301536	1	Guard, Hose	
4	1001008559	5	Strap	
5	1001125642	1	Conduit	
6	1001142942	6	Clamp	
7	1001152729	2	Clamp	
8	1001176411	1	Connector	
9	1001188126	1	Tee Barb	
10	1001265893	1	Emergency Lowering Harness	
11	1001265996	1	Cable, AVB Ground	
12	1001265997	1	Cable, AVB Relay	
13	1001265998	1	Cable, AVB Power	
14	1001266178	1	Hose	
15	1001266220	1	Hose	
16	1001266223	1	Hose	
17	1001266225	1	Hose	
18	1001266227	1	Hose	
19	1001266280	1	Hose	
20	1001266871	1	Hose	
21	1001266872	1	Hose	
22	1001266881	Ref	Installation, Auxiliary Reducing Valve (See Items 101-112 for breakdown)	A
23	1001267291	Ref	Installation, Power Unit (See Items 201-204 for breakdown)	
	1001266881	Ref	AUXILIARY REDUCING VALVE INSTALLATION	
101	0760610	2	Bolt M6 x 20	
102	0760812	2	Bolt M8 x 25	
103	0760816	4	Bolt M8 x 40	
104	3290601	2	Nut M6 x 1	
105	3290801	4	Nut M8 x 1.25	
106	3740067	1	Relay	
107	4811700	2	Washer M6	
108	4811702	2	Washer M6	
109	4811900	8	Washer M8	A
110	5240800	2	Washer M8	
111	1001266281	1	Bracket	
112	1001266880	1	Valve, Auxiliary Reducing Assembly (See Separate Breakdown in this Section)	
	1001267291	Ref	POWER UNIT INSTALLATION	
201	0760816	4	Nut M8 x 40	
202	3290801	4	Nut M8 x 1.25	
203	4811900	8	Washer M8	
204	1001266345	1	Pump VDC Motor assembly (See Separate Breakdown in this Section)	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-13. EMERGENCY LOWERING AUXILIARY VALVE & FITTING ASSEMBLY



ART_1001266880

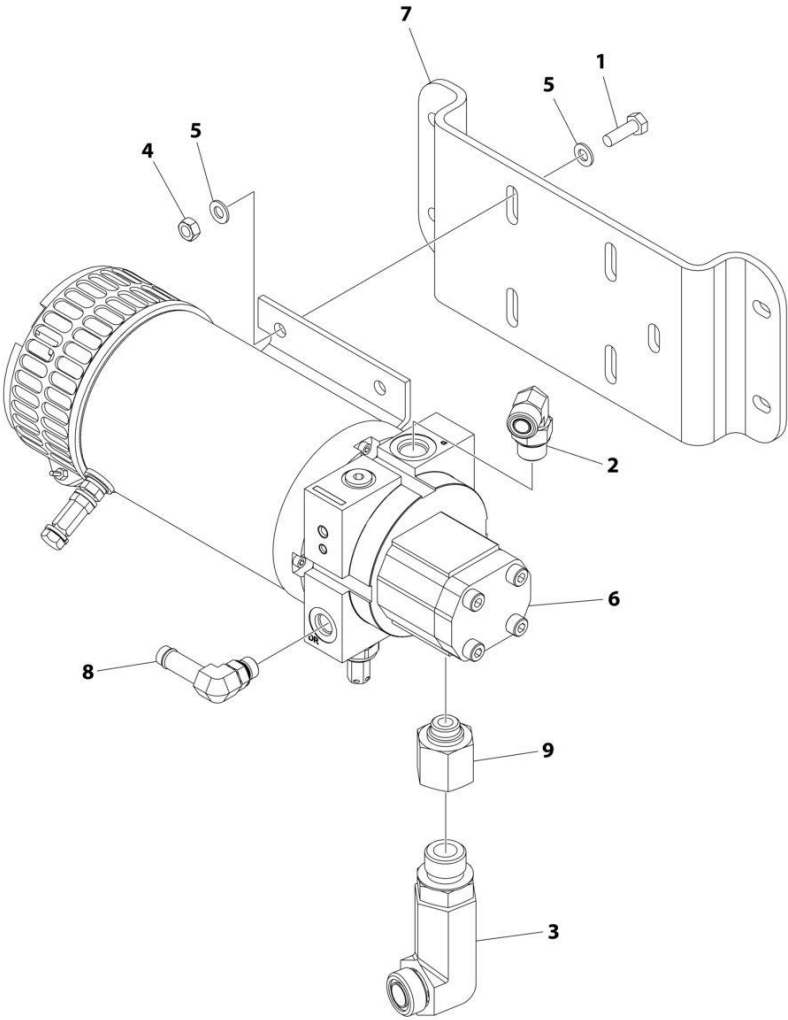
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-13. EMERGENCY LOWERING AUXILIARY VALVE & FITTING ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266880	Ref	EMERGENCY LOWERING AUXILIARY VALVE & FITTING ASSEMBLY	A
1	2130606	2	Fitting, 90	
2	2130808	2	Fitting, 90	
3	1001266879	1	Valve, Auxiliary Reducing	
3	70026310	1	Cartridge, Relief Valve	
3	7022391	2	Cartridge, Check Valve	
4	1001266919	1	Fitting	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-14. EMERGENCY LOWERING AUXILIARY PUMP & FITTING ASSEMBLY



ART_1001266345

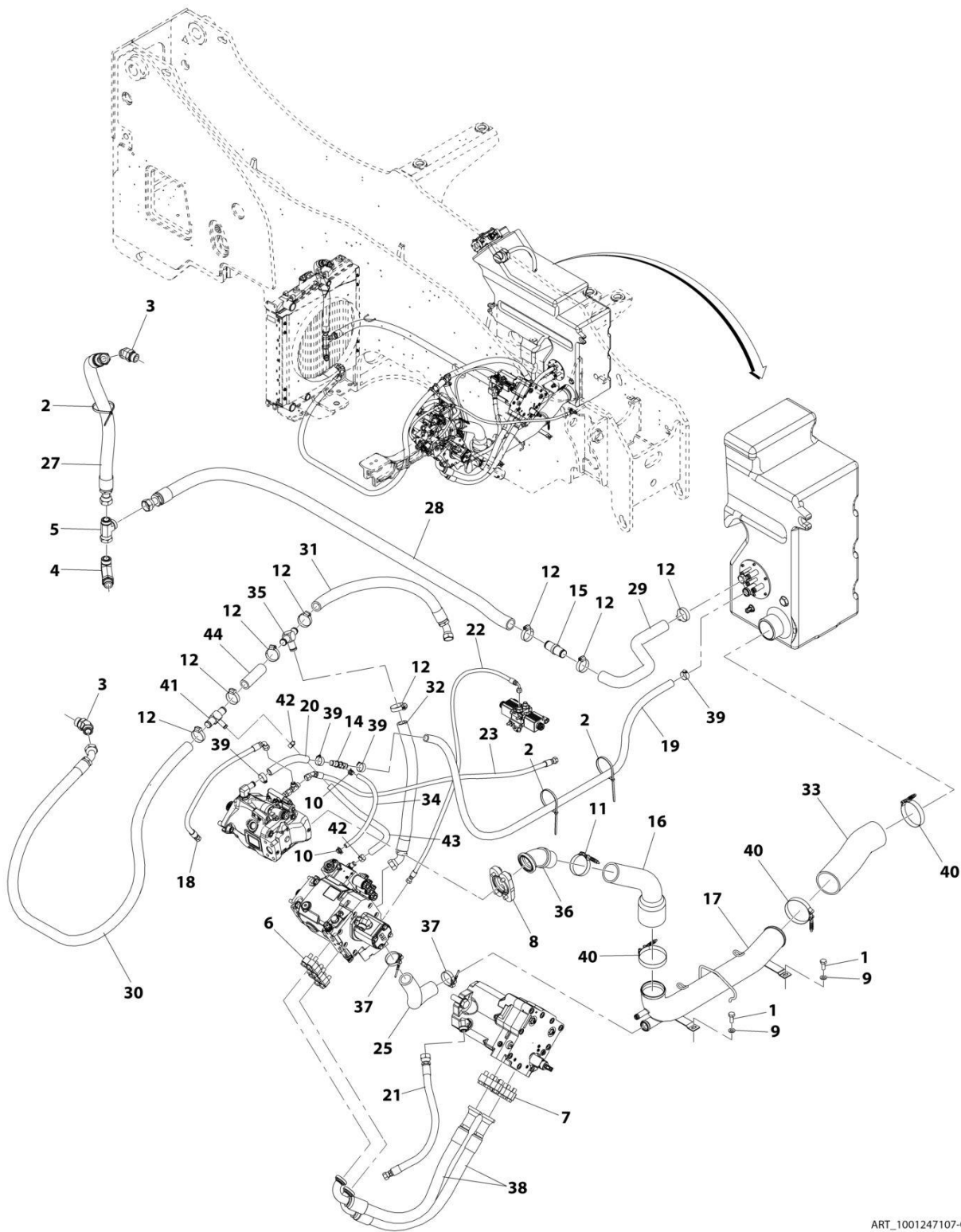
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-14. EMERGENCY LOWERING AUXILIARY PUMP & FITTING ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266345	Ref	EMERGENCY LOWERING AUXILIARY PUMP & FITTING ASSEMBLY	A
1	0760812	4	Bolt M8 x 25	
2	2130808	1	Adapter, 90	
3	2170212	1	Adapter, 90	
4	3290801	4	Nut M8 x 1.25	
5	4811900	8	Washer M8	
6	1001162880	1	Pump/Motor Assembly (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
7	1001266281	1	Bracket	
8	1001266918	1	Fitting	
9	1001270843	1	Adapter	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-15. ENGINE BAY HYDRAULIC INSTALLATION



ART_1001247107-G

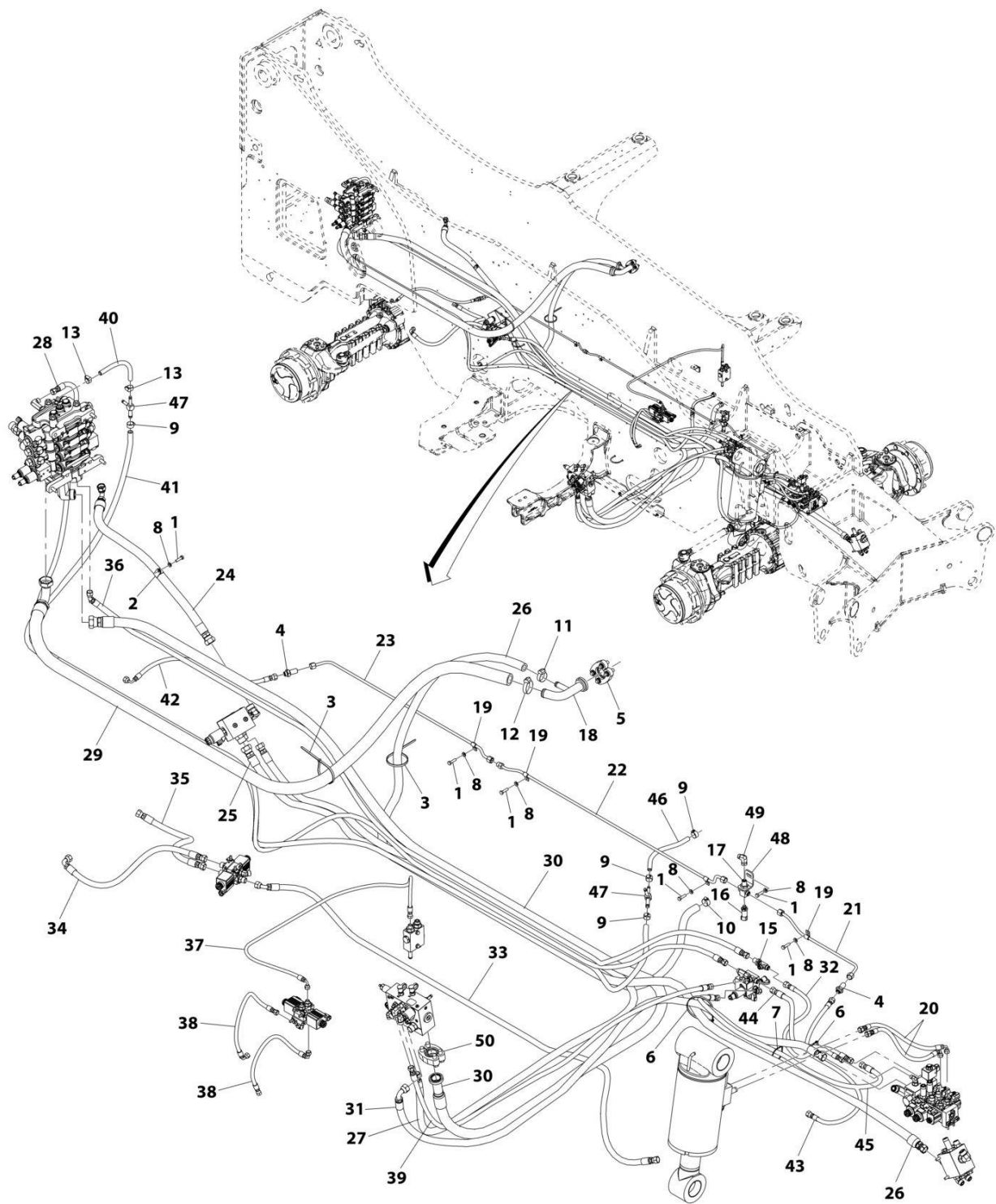
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-15. ENGINE BAY HYDRAULIC INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247107	Ref	Engine Bay Hydraulic Installation	G
1	0761012	4	Bolt, M10X25	
2	1062255	5	Strap, Tie	
3	2151616	2	Fitting, ORFS	
4	2170216	1	Fitting, ORFS	
5	2170716	1	Fitting, ORFS	
6	2171716	2	Flange Kit	
7	2171733	2	Flange Kit	
8	2171840	1	Flange Kit	
9	4812000	4	Washer, M10	
10	1001152729	2	Clamp	
11	1001253228	1	Clamp	
12	8405103	8	Gear Clamp	
14	1001137132	1	Fitting	
15	1001212921	1	Adapter	
16	1001247108	1	Hose	
17	1001247109	1	Hose	
18	1001263934	1	Hose	
19	1001247116	1	Hose	
20	1001247117	1	Hose	
21	1001247118	1	Hose	
22	1001247119	1	Hose	
23	1001247120	1	Hose	
25	1001247123	1	Hose	
27	1001247125	1	Hose	
28	1001247126	1	Hose	
29	1001247127	1	Hose	
30	1001247128	1	Hose	
31	1001247129	1	Hose	
32	1001247130	1	Hose	
33	1001247166	1	Hose	
34	1001247364	1	Hose	
35	1001247736	1	Fitting	
36	1001247739	1	Fitting	
37	1001014224	2	Clamp	
38	1001255538	2	Hose	
39	8405007	6	Clamp	
40	1001253072	3	Clamp	
41	1001258019	1	Fitting	
42	8410009	2	Clamp, Gear	
43	1001257346	1	Hose	
44	1001257347	1	Hose	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-16. FRAME HYDRAULICS INSTALLATION



ART_1001242919-D

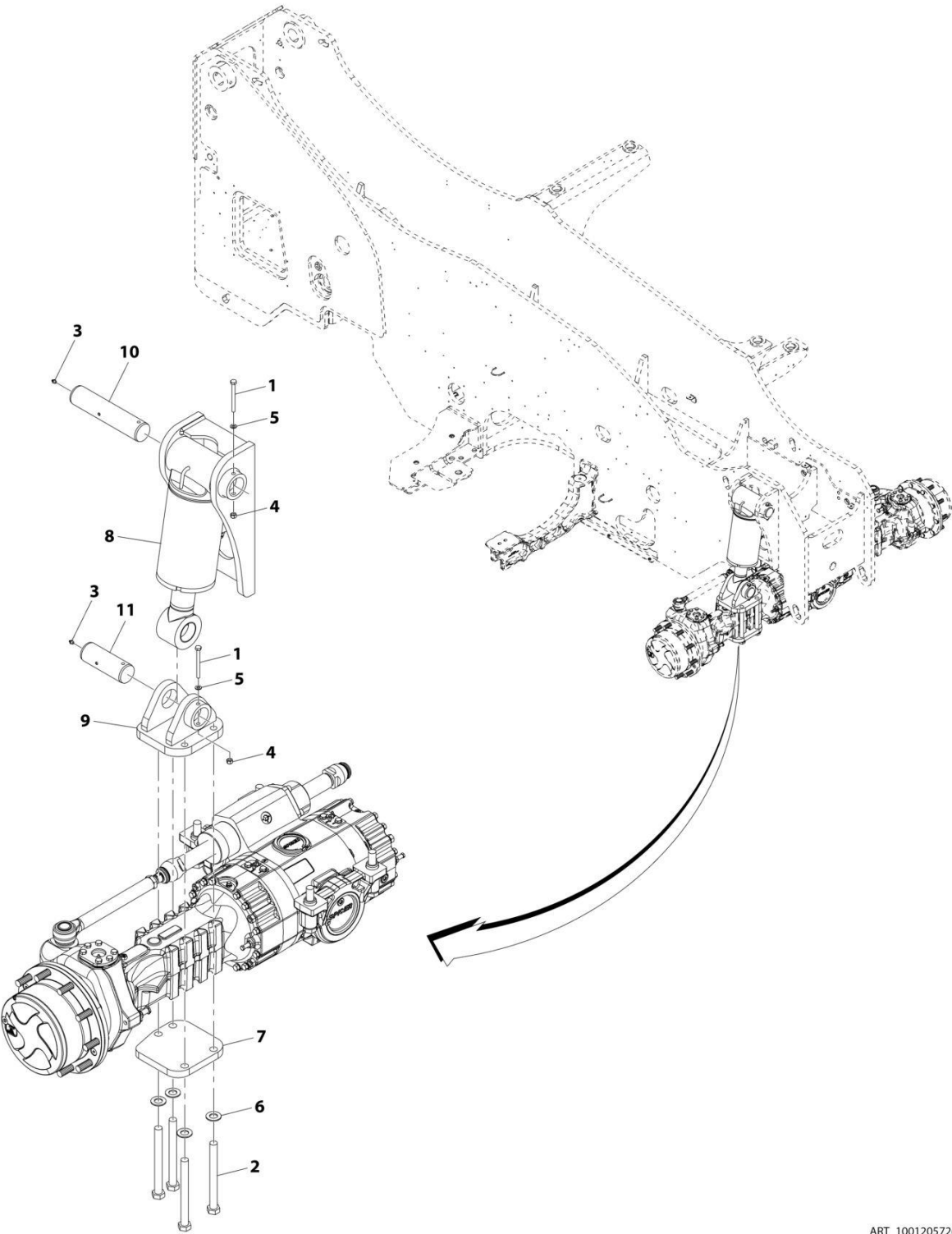
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-16. FRAME HYDRAULICS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242919	Ref	Frame Hydraulics Installation	D
1	0760814	6	Bolt, M8X30	
2	1009352	1	Clip	
3	1062255	2	Strap, Tie	
4	2171106	2	Fitting	
5	2171824	1	Fitting	
6	4240018	2	Strap, Cable Tie	
7	4240099	1	Strap, Tie	
8	5240800	6	Washer, M8	
9	8405006	4	Clamp, Gear	
10	8405007	1	Clamp, Gear	
11	8405101	1	Clamp, Gear	
12	8405103	1	Clamp, Gear	
13	8410013	2	Clamp, Gear	
15	88662434	1	Fitting	
16	1001147340	1	Sensor, Pressure Transducer	
17	1001205756	1	Adapter	
18	1001244441	1	Hose	
19	1001245862	4	Clip	
20	1001245874	2	Hose	
21	1001246468	1	Pipe, Front Brake	
22	1001246469	1	Pipe, Rear Brake	
23	1001246470	1	Pipe, Rear Brake	
24	1001246597	1	Hose	
25	1001246600	1	Hose	
26	1001246601	1	Hose	
27	1001246602	1	Hose	
28	1001246603	1	Hose	
29	1001246604	1	Hose	
30	1001255935	1	Hose	
31	1001246606	1	Hose	
32	1001246607	1	Hose	
33	1001253784	1	Hose	
34	1001246609	1	Hose	
35	1001246642	1	Hose	
36	1001246643	1	Hose	
37	1001246645	1	Hose	
38	1001246646	2	Hose	
39	1001246648	1	Hose	
40	1001246960	1	Hose	
41	1001246961	1	Hose	
42	1001246965	1	Hose	
43	1001246966	1	Hose	
44	1001254895	1	Hose	
45	1001246968	1	Hose	
46	1001247005	1	Hose	
47	1001247713	2	Fitting	
48	1001254037	1	Plate, Angle	
49	2172106	1	Adapter, 90	
50	2171733	1	Fitting	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-17. FRAME SWAY INSTALLATION



ART_1001205726-B

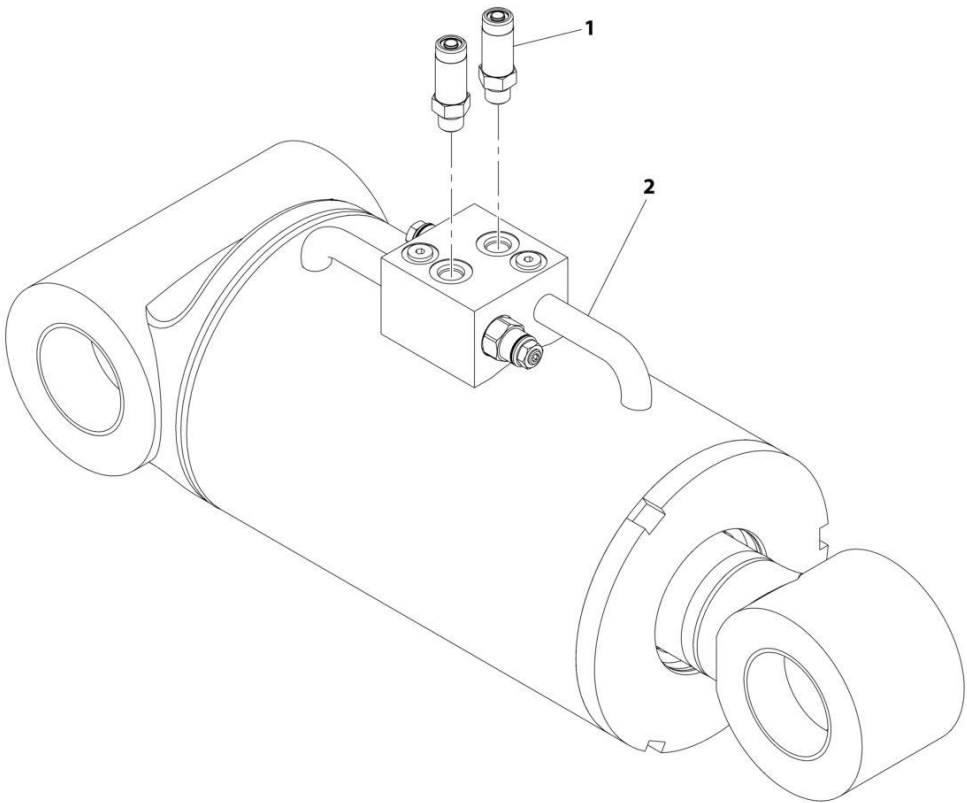
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-17. FRAME SWAY INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001205726	Ref	Frame Sway Installation	B
1	0701028	2	Screw, M10X110	
2	0712442	4	Screw, M24X250	
3	2160016	2	Fitting, Grease	
4	3291005	2	Nut, Lock M10X1.5 Grade 8	
5	4812000	2	Washer, M10	
6	5242400	4	Washer, M24	
7	1001177047	1	Plate, Frame Level	
8	1001205727	1	Installation, Sway Cylinder (See Separate Breakdown in this Section)	
9	1001246557	1	Bracket, Axle Sway/RAS	
10	1001246560	1	Pin	
11	1001246561	1	Pin	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-18. FRAME SWAY CYLINDER INSTALLATION



ART_1001205727-A

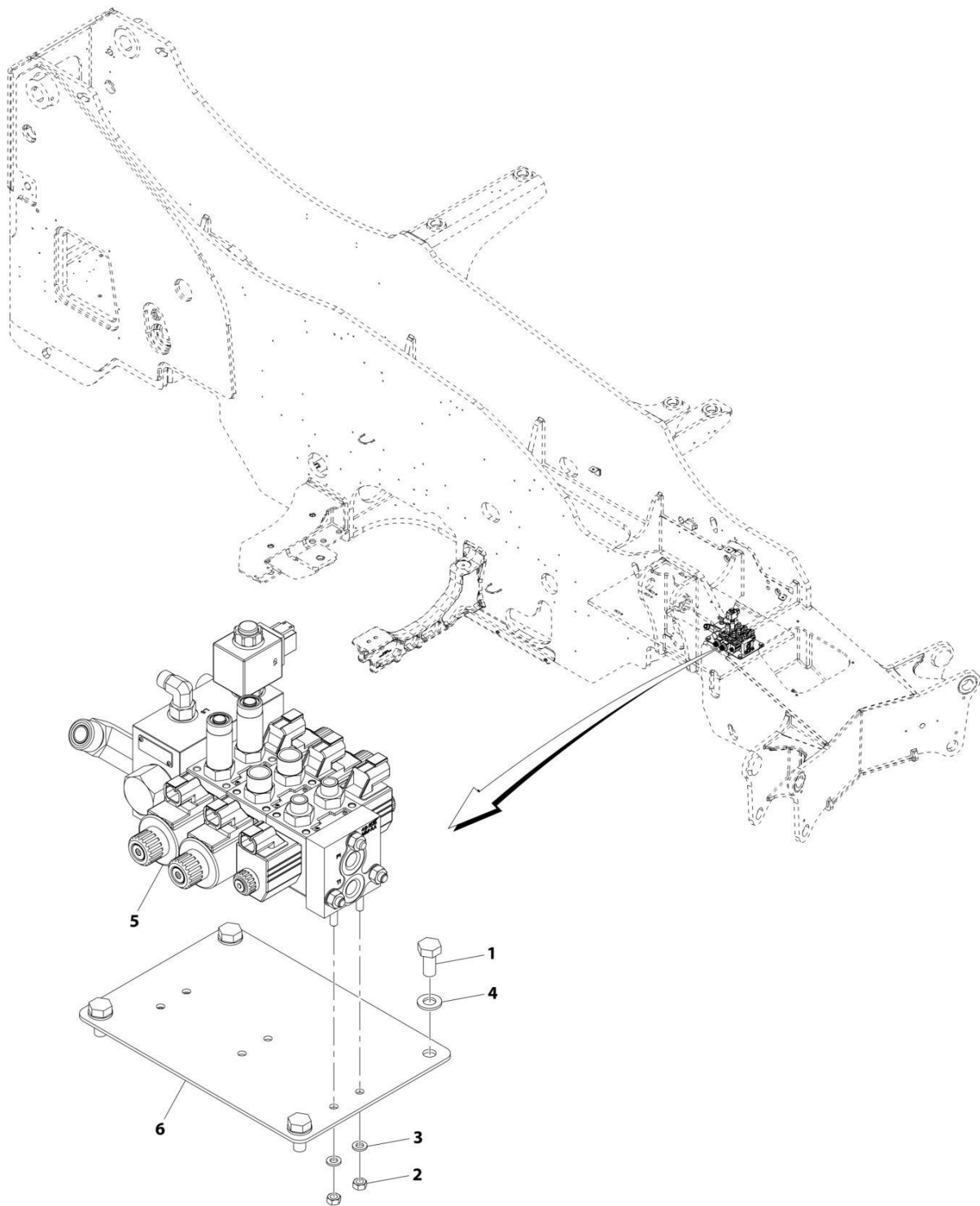
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-18. FRAME SWAY CYLINDER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001205727	Ref	Sway Cylinder Installation	A
2	2170106	2	Fitting	
2	1001174987	1	Assembly, Frame Level Cylinder (See Separate Breakdown in this Section)	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-19. FRAME SWAY CONTROL VALVE INSTALLATION



ART_1001245232-A

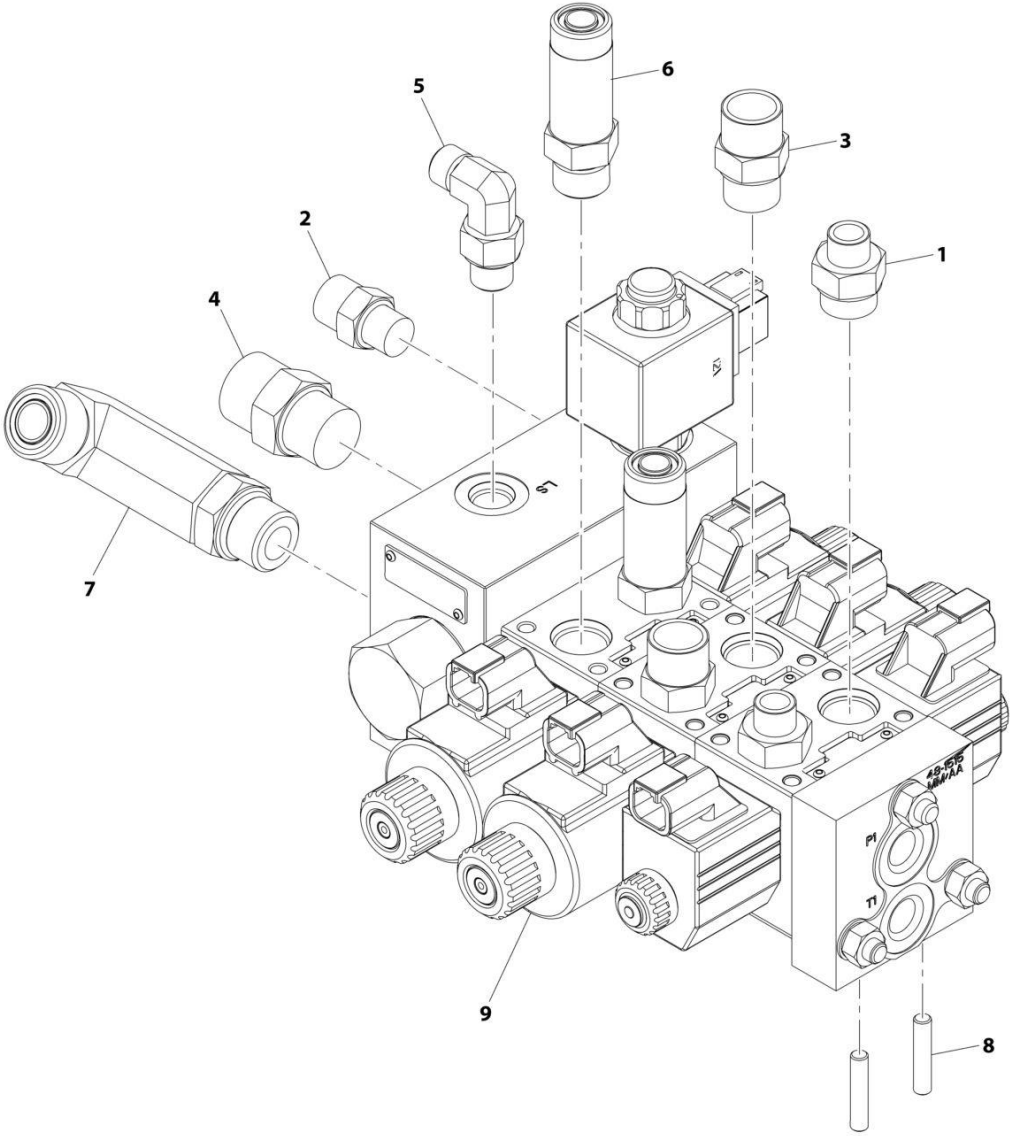
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-19. FRAME SWAY CONTROL VALVE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245232	Ref	Frame Sway Control Valve Installation	A
1	0761011	4	Bolt, M10 X 22	
2	3290601	4	Nut, M6X1	
3	4811700	4	Washer, M6	
4	4812000	4	Washer, M10	
5	1001245233	1	Assembly, Sway Control Valve (See Separate Breakdown in this Section)	
6	1001245234	1	Plate, Valve Mount	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-20. FRAME SWAY CONTROL VALVE & FITTING ASSEMBLY



ART_1001245233-A

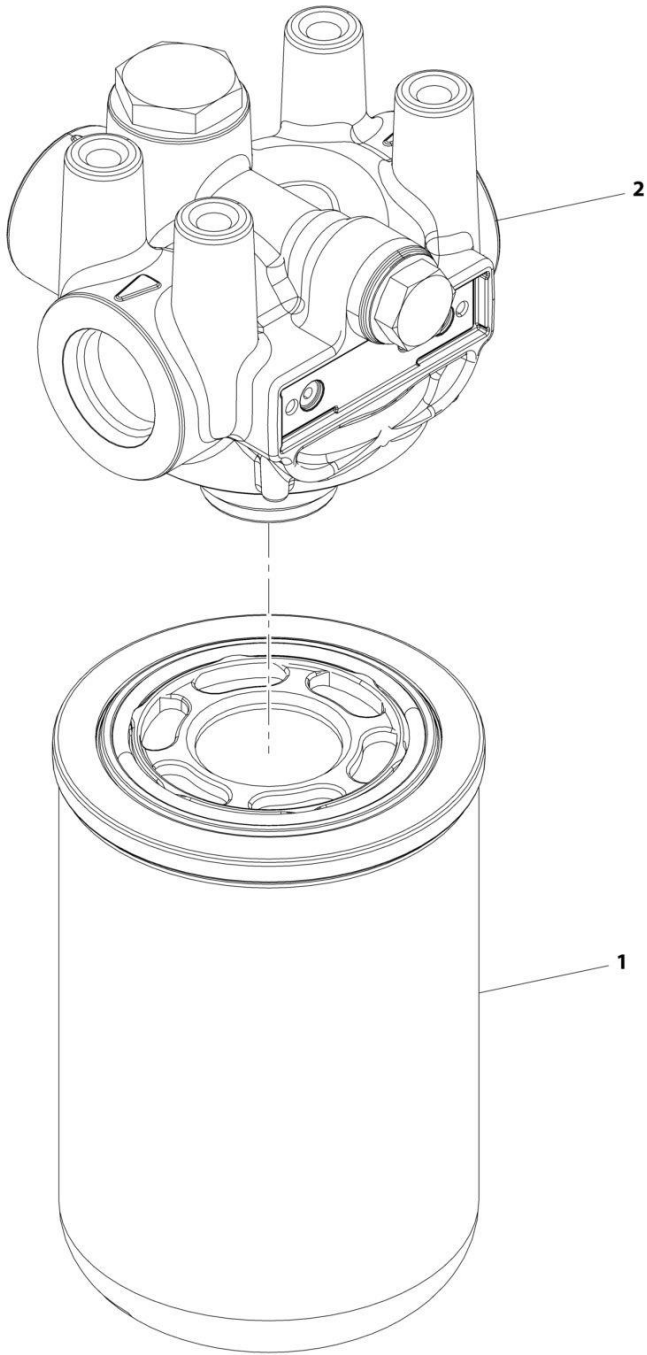
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-20. FRAME SWAY CONTROL VALVE & FITTING ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245233	Ref	Sway Control Valve Assembly	A
1	2110408	2	Fitting, Straight ORFS	
2	2110606	1	Fitting, Straight ORFS	
3	2110808	2	Fitting, Straight ORFS	
4	2111010	1	Fitting, Straight ORFS	
5	2130406	1	Fitting, 90 ORFS	
6	2170108	2	Fitting, Straight ORFS	
7	2170210	1	Fitting, 90 ORFS	
8	1001100379	4	Stud, M6X30	
9	1001157972	1	Valve, Level and Stabilization (See Separate Breakdown in Hydraulic Components Section)	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-21. IMPLEMENT PUMP FILTER ASSEMBLY



ART_1001141976-A

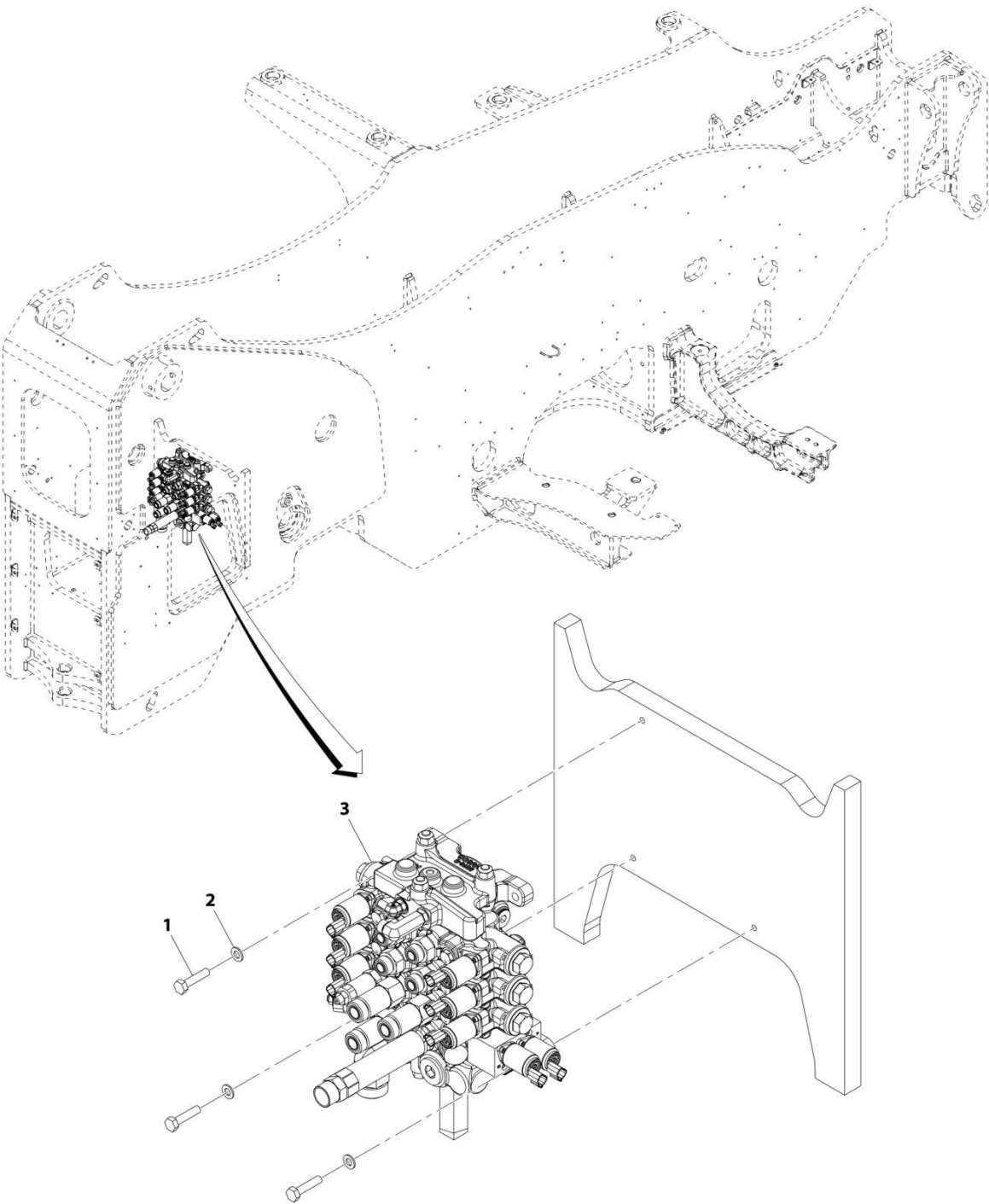
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-21. IMPLEMENT PUMP FILTER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001141976	Ref	Implement Pump Filter Assembly	A
1	1001141461	1	Filter	
2	1001141462	1	Pump, Filter	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-22. MAIN CONTROL VALVE INSTALLATION



ART_1001248169-B

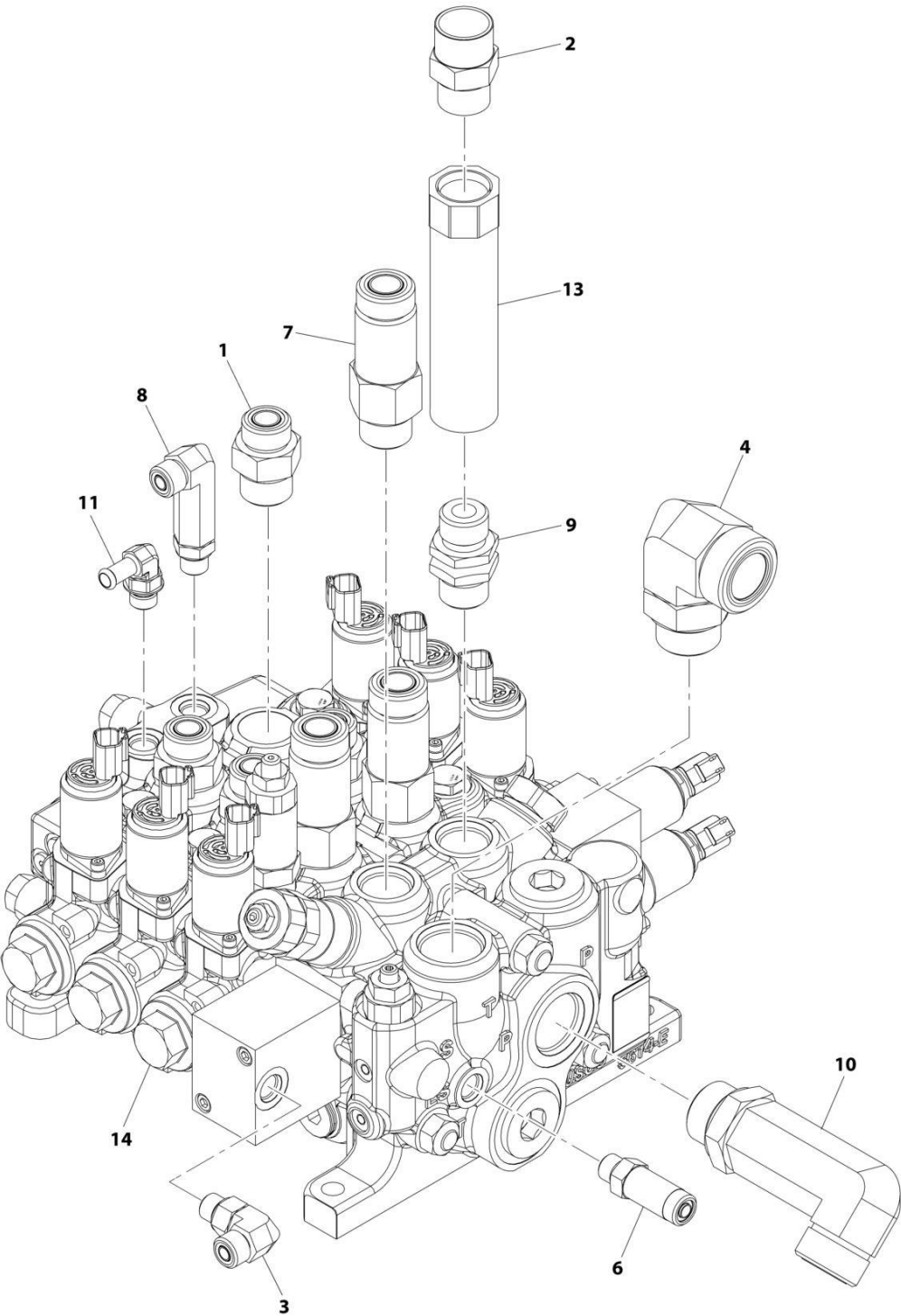
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-22. MAIN CONTROL VALVE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001248169	Ref	Main Control Valve Installation	B
1	0701017	3	Bolt, M10X45	
2	4812000	3	Washer, M10	
3	1001242651	1	Assembly, Main Control Valve (See Separate Breakdown in this Section)	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-23. MAIN CONTROL VALVE & FITTINGS ASSEMBLY



ART_1001242651-A

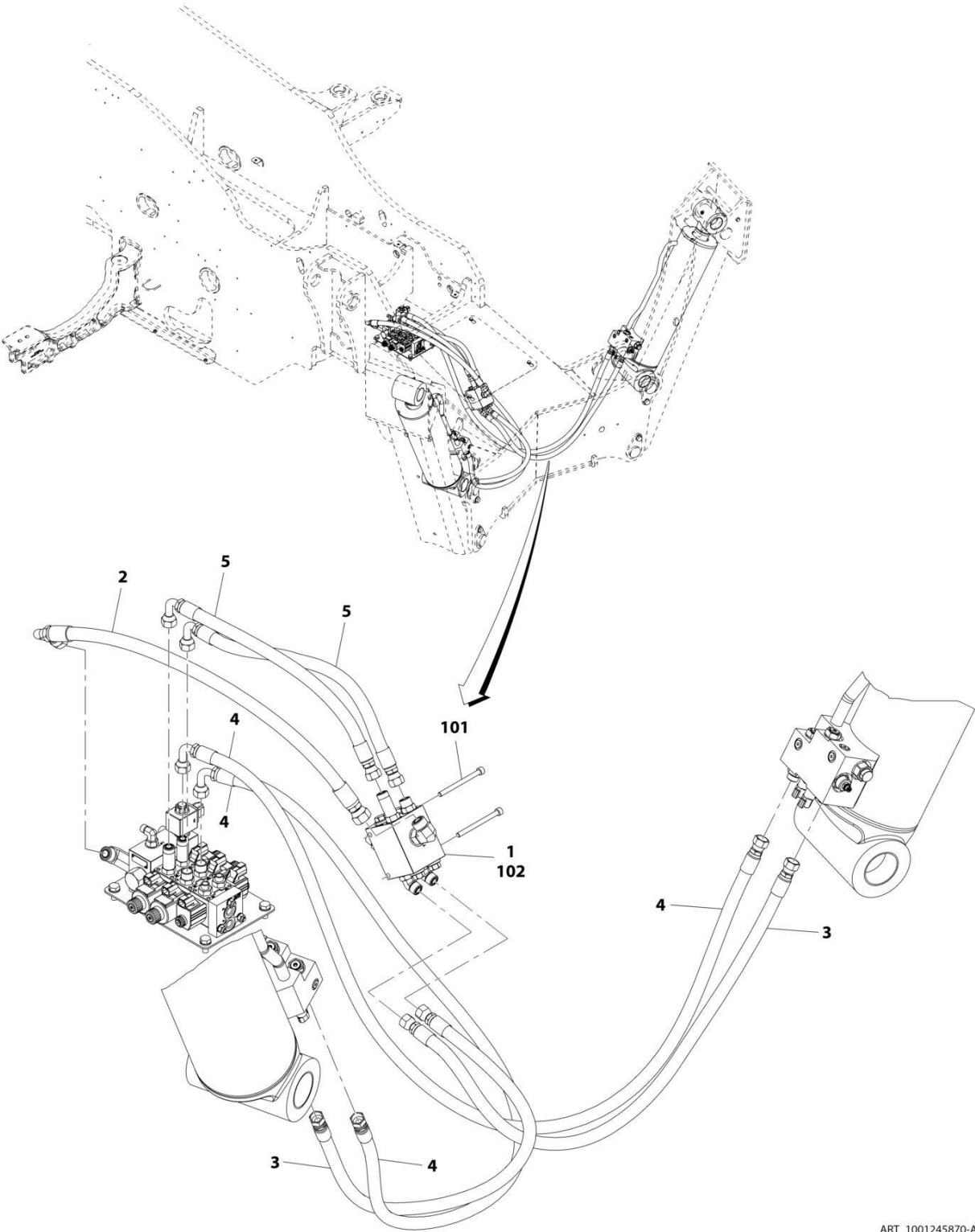
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-23. MAIN CONTROL VALVE & FITTINGS ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242651	Ref	Main Control Valve Assembly	A
1	2111012	4	Fitting, Straight ORFS	
2	2111212	1	Fitting, Straight ORFS	
3	2130606	1	Fitting, 90	
4	2132016	1	Fitting, 90	
6	2170106	1	Fitting	
7	2170112	3	Fitting	
8	2170206	1	Fitting	
9	8770030	1	Fitting	
10	2170216	1	Fitting, ORFS	
11	1001178776	1	Fitting	
13	1001224946	1	Valve, Check	
14	1001242634	1	Valve, Main Control (See Separate Breakdown in Hydraulic Components Section)	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-24. OUTRIGGER HYDRAULICS INSTALLATION



ART_1001245870-A

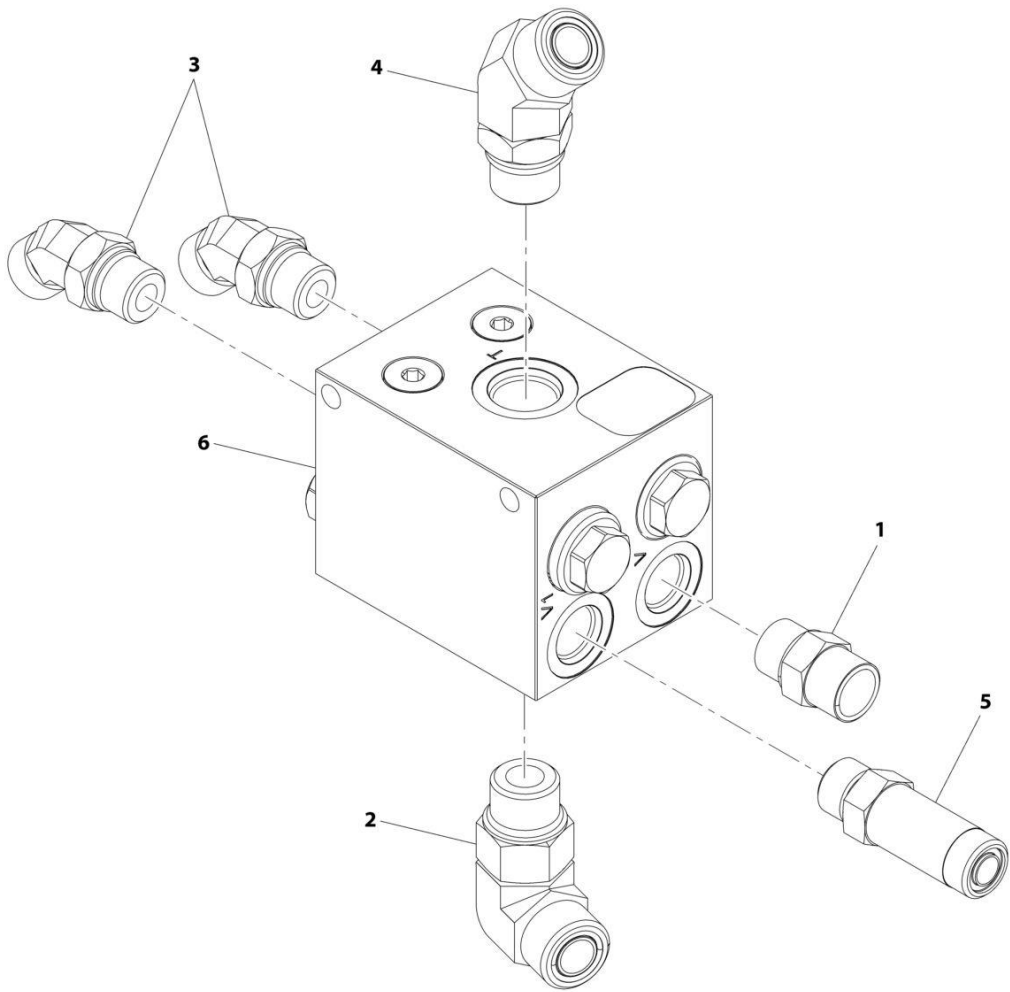
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-24. OUTRIGGER HYDRAULICS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245870	Ref	Outrigger Hydraulics Installation	A
1	1001244408	1	Installation, Valve Outrigger Exhaust (includes items 101 & 102)	
2	1001245875	1	Hose	
3	1001245871	2	Hose	
4	1001245872	2	Hose	
5	1001245873	2	Hose	
101	1001093277	2	Bolt, M8X100	
102	1001243326	1	Assembly, Outrigger Exhaust Valve (See Separate Breakdown in this Section)	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-25. OUTRIGGER EXHAUST VALVE ASSEMBLY



ART_1001243326-B

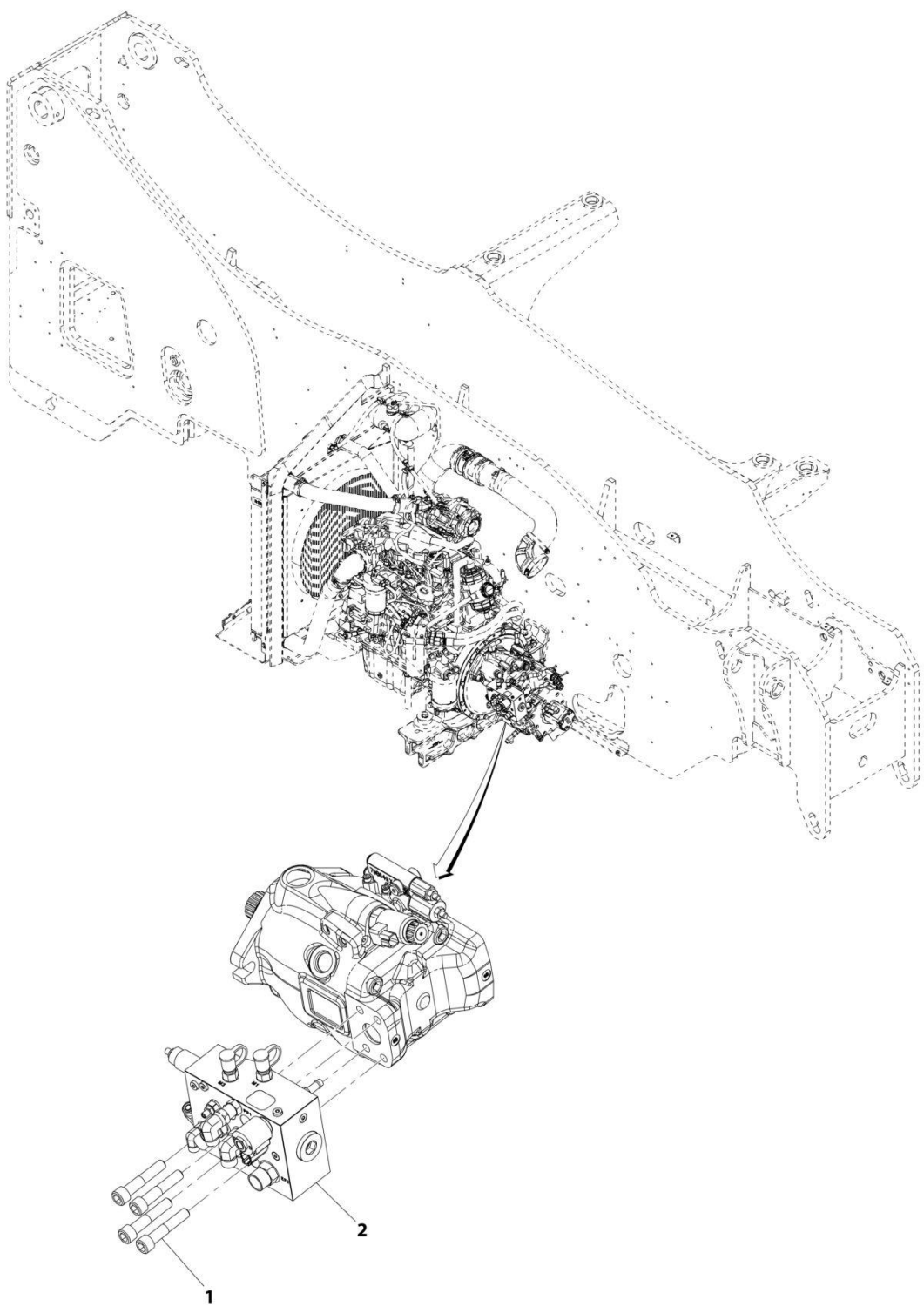
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-25. OUTRIGGER EXHAUST VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243326	Ref	Outrigger Exhaust Valve Assembly	B
1	2110808	1	Fitting, Straight ORFS	
2	2131010	1	Fitting, ORFS	
3	2150808	2	Fitting, 45 ORFS	
4	2151010	1	Fitting	
5	2170108	1	Fitting, Straight ORFS	
6	1001243325	1	Valve, Outrigger Exhaust	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-26. PRIORITY VALVE INSTALLATION



ART_1001205883-B

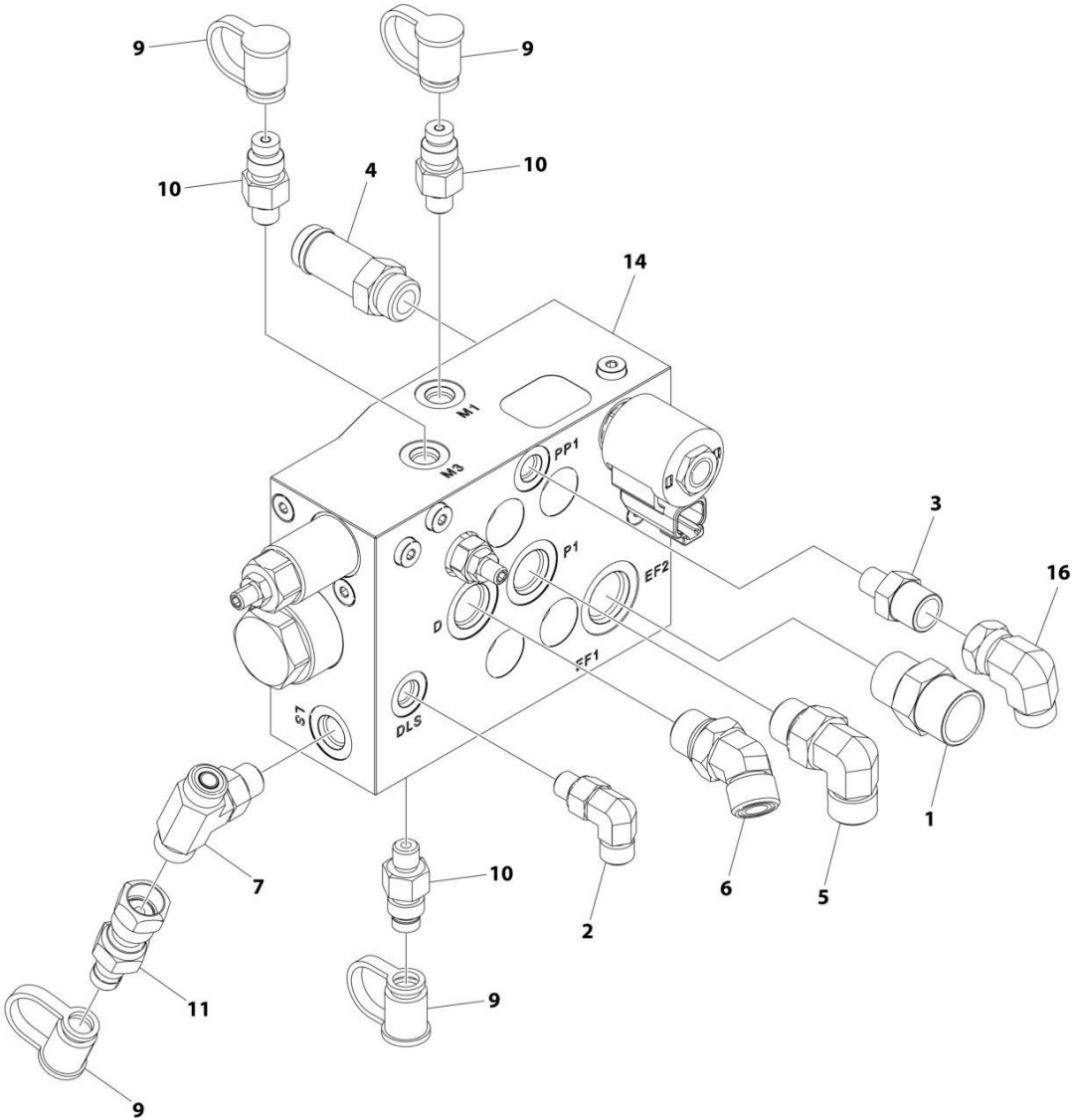
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-26. PRIORITY VALVE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001205883	Ref	Priority Valve Installation	B
1	3900368	4	Bolt, M14X70	
2	1001242813	1	Assembly, Priority Valve (See Separate Breakdown in this Section)	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-27. PRIORITY VALVE & FITTING ASSEMBLY



ART_1001242813

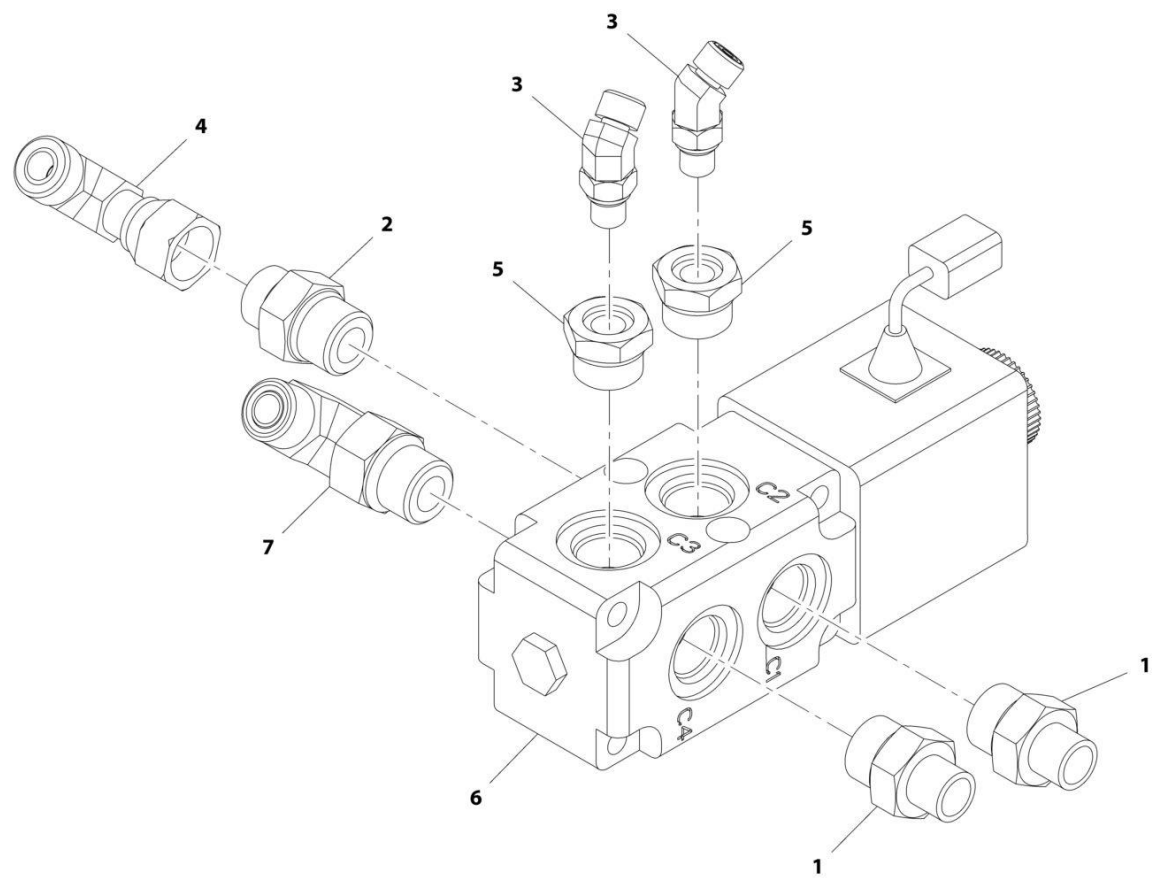
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-27. PRIORITY VALVE & FITTING ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242813	Ref	Priority Valve Assembly	E
1	2111010	1	Fitting, Straight ORFS	
2	2130404	1	Fitting, 90 ORFS	
3	2110604	1	Fitting, Straight ORFS	
4	1001258014	1	Fitting, Straight ORFS	
5	2130808	1	Fitting, 90 ORFS	
6	2150808	1	Fitting, 45 ORFS	
7	2170406	1	Fitting	
9	8430032	4	Plug	
10	8430033	3	Fitting, Straight	
11	8430081	1	Fitting	
14	1001266710	1	Valve, Priority (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	
16	2172106	1	Adapter, 90	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-28. QUICK COUPLER VALVE & FITTING ASSEMBLY



ART_1001189663-C

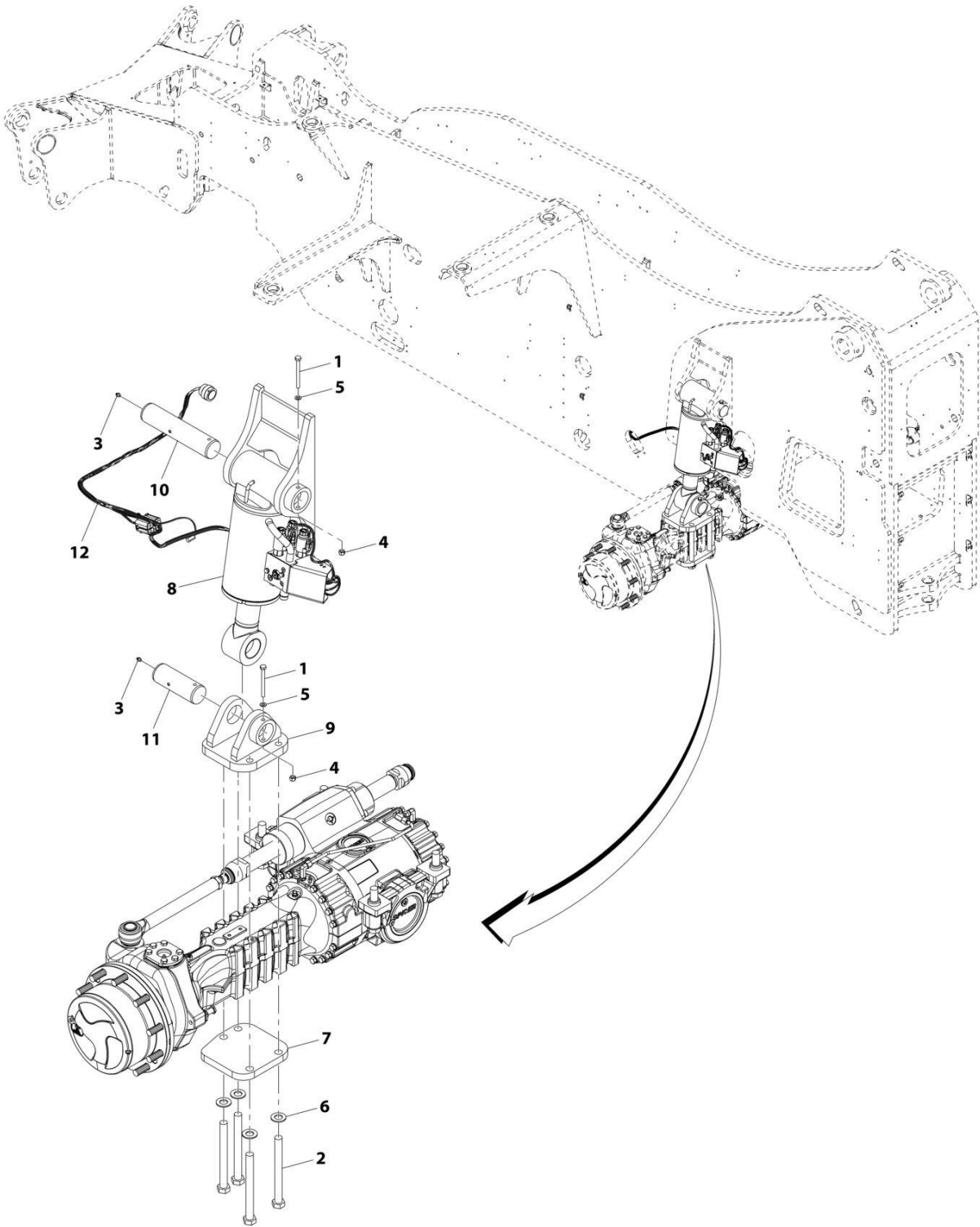
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-28. QUICK COUPLER VALVE & FITTING 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 8-29. REAR AXLE STABILIZER INSTALLATION



ART_1001207858-C

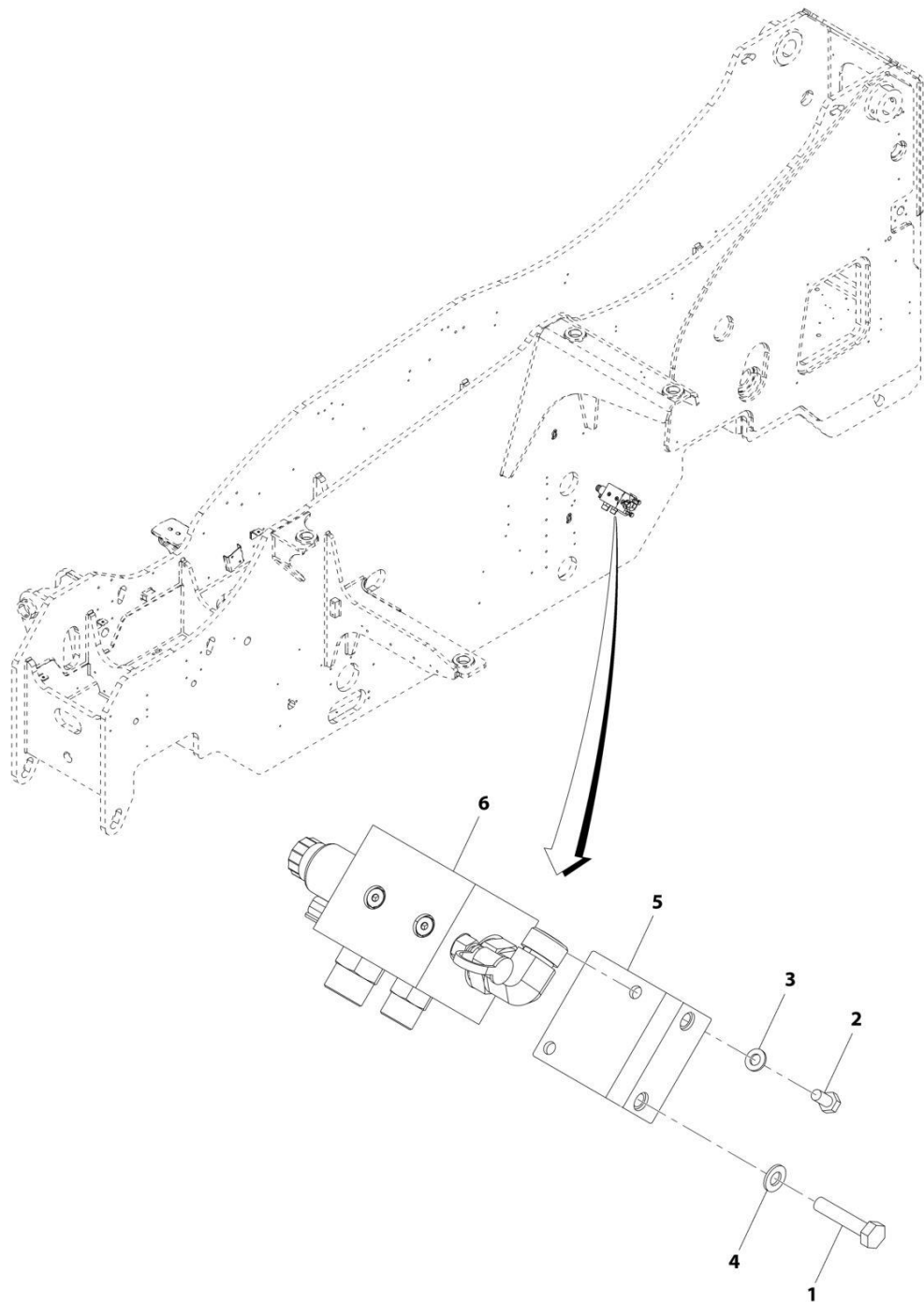
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-29. REAR AXLE STABILIZER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001207858	Ref	Rear Axle Stabilizer Installation	C
1	0711028	2	Bolt, M10X110	
2	0712442	4	Bolt, M24X250	
3	2160016	2	Fitting, Grease	
4	3291005	2	Nut, Lock M10X1.5	
5	4812000	2	Washer, M10	
6	5242400	4	Washer, M24	
7	1001177047	1	Plate, Frame Level	
8	1001243089	1	Rear Axle Stabilizer Cylinder Assembly (See Separate Breakdown in Hydraulic Components Section)	
9	1001246557	1	Bracket	
10	1001246560	1	Pin	
11	1001246561	1	Pin	
12	1001259495	1	Rear Axle Stabilizer Harness (See Separate Breakdown in ELECTRICAL Section)	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-30. REAR AXLE STABILIZER VARIABLE REDUCING VALVE INSTALLATION



ART_1001243703-A

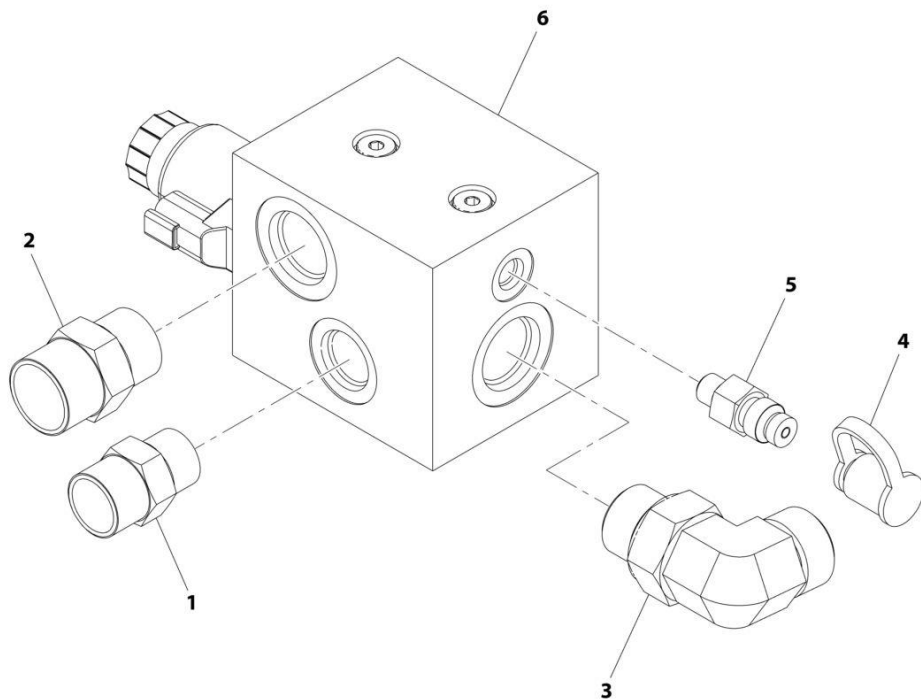
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-30. REAR AXLE STABILIZER VARIABLE REDUCING VALVE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243703	Ref	RAS Variable Reducing Valve Installation	A
1	0701018	2	Bolt, M8X50	
2	0760808	2	Bolt, M8X16	
3	4811900	2	Washer, M8	
4	4812000	2	Washer, M10	
5	1001243691	1	Bracket, Valve	
6	1001243702	1	Assembly, RAS Variable Reducing Valve (See Separate Breakdown in this Section)	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-31. REAR AXLE STABILIZER VARIABLE REDUCING VALVE & FITTING ASSEMBLY



ART_1001243702-A

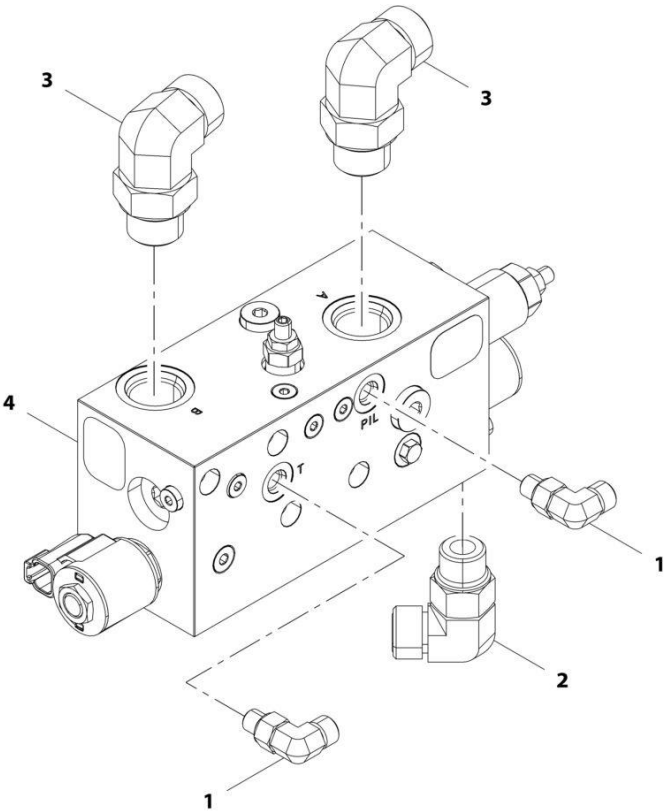
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-31. REAR AXLE STABILIZER VARIABLE REDUCING VALVE & FITTING ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243702	Ref	RAS Variable Reducing Valve Assembly	A
1	2111010	1	Fitting, Straight ORFS	
2	2111212	1	Fitting, Straight ORFS	
3	2131212	1	Fitting, 90 ORFS	
4	8430032	1	Plug	
5	8430033	1	Fitting, Straight	
6	1001243701	1	Valve, Variable Reducing	
	7011367	1	Seal Kit	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-32. RIDE AND FLOAT VALVE ASSEMBLY



ART_1001219765-B

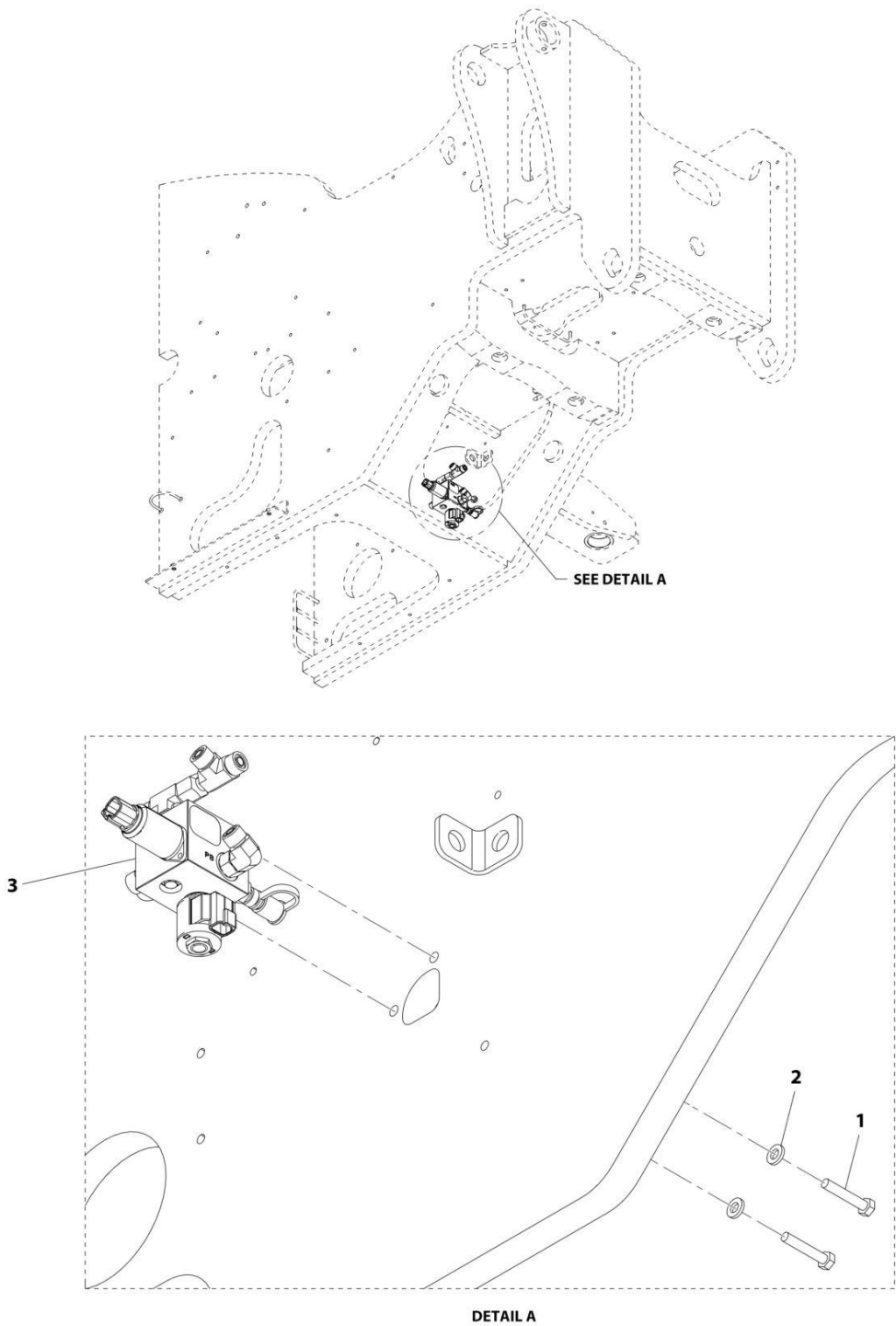
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-32. RIDE AND FLOAT VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219765	Ref	Ride and Float Valve Assembly	B
1	2130404	2	Fitting, 90 ORFS	
2	2131010	1	Fitting, 90 ORFS	
3	2131212	2	Fitting, 90 ORFS	
4	1001224945	1	Valve, Boom Raise (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-33. SAHR VALVE INSTALLATION



ART_1001248354-A

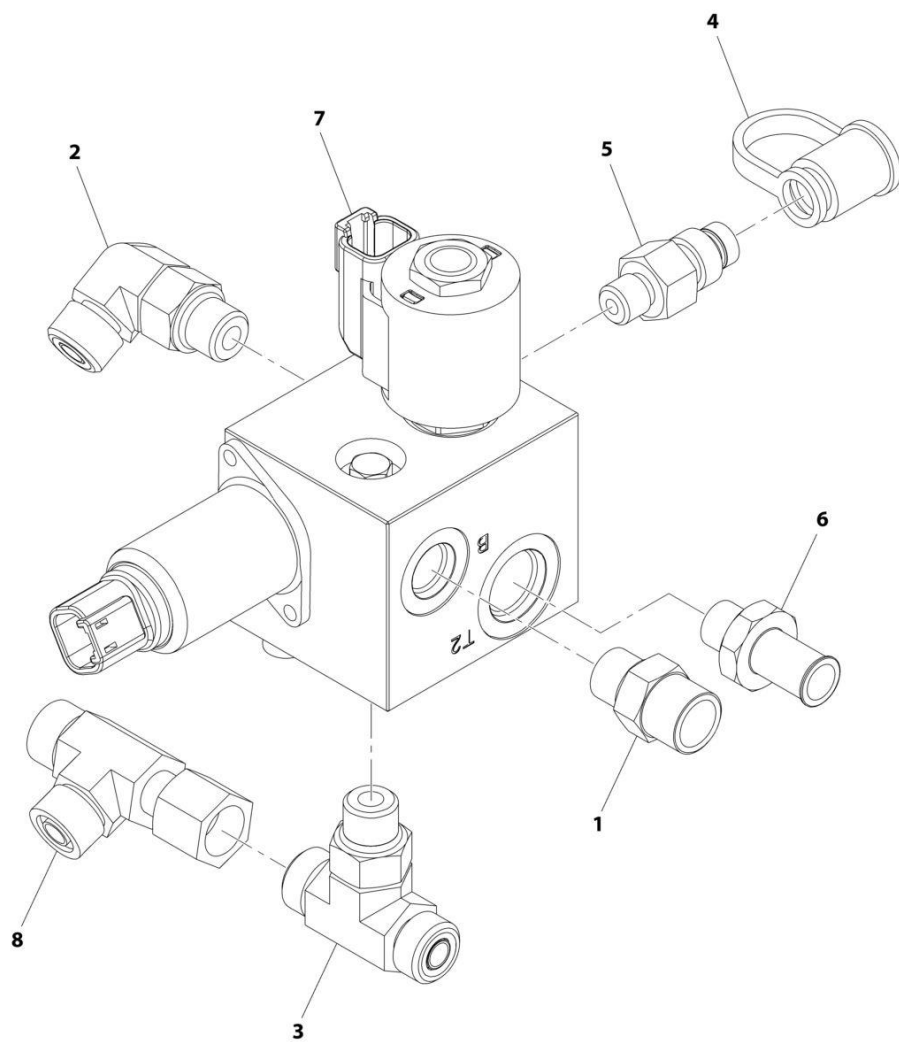
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-33. SAHR VALVE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001248354	Ref	SAHR Valve Installation	A
1	0700817	2	Bolt, M8X45	
2	5240800	2	Washer, M8	
3	1001242686	1	Assembly, SAHR Brake Valve (See Separate Breakdown in this Section)	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-34. SAHR BRAKE VALVE & FITTING ASSEMBLY



ART_1001242686-B

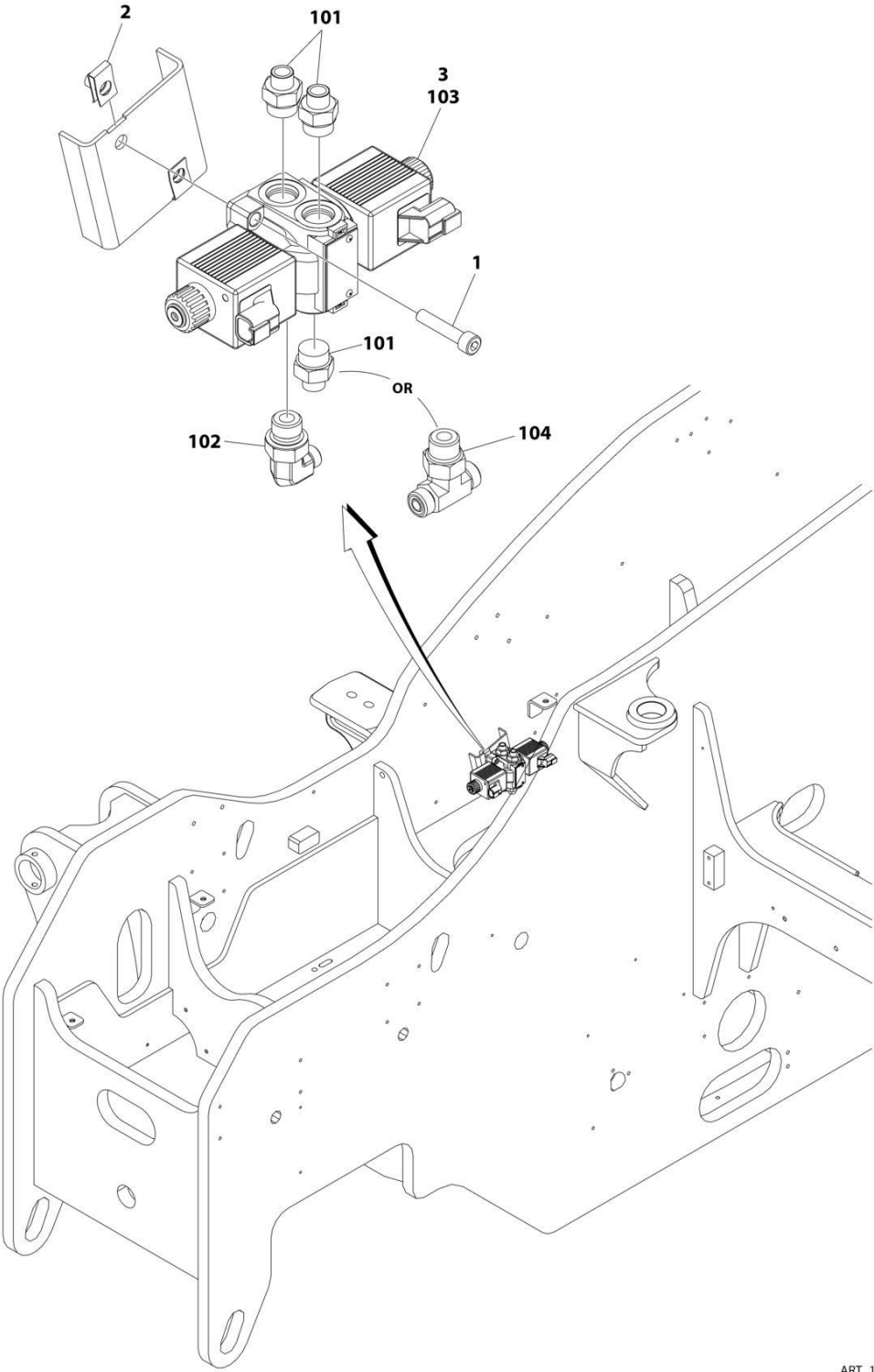
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-34. SAHR BRAKE VALVE & FITTING ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242686	Ref	SAHR Brake Valve Assembly	B
1	2110606	1	Fitting, Straight ORFS	
2	2130606	1	Fitting, 90	
3	2170406	1	Fitting	
4	8430032	1	Plug	
5	8430033	1	Fitting, Straight	
6	1001190631	1	Fitting	
7	1001234127	1	Valve, SAHR Brake (See Separate Breakdown in Hydraulic Components Section)	
8	2170706	1	Fitting	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-35. SPEED CONTROL VALVE INSTALLATION



ART_1001247223

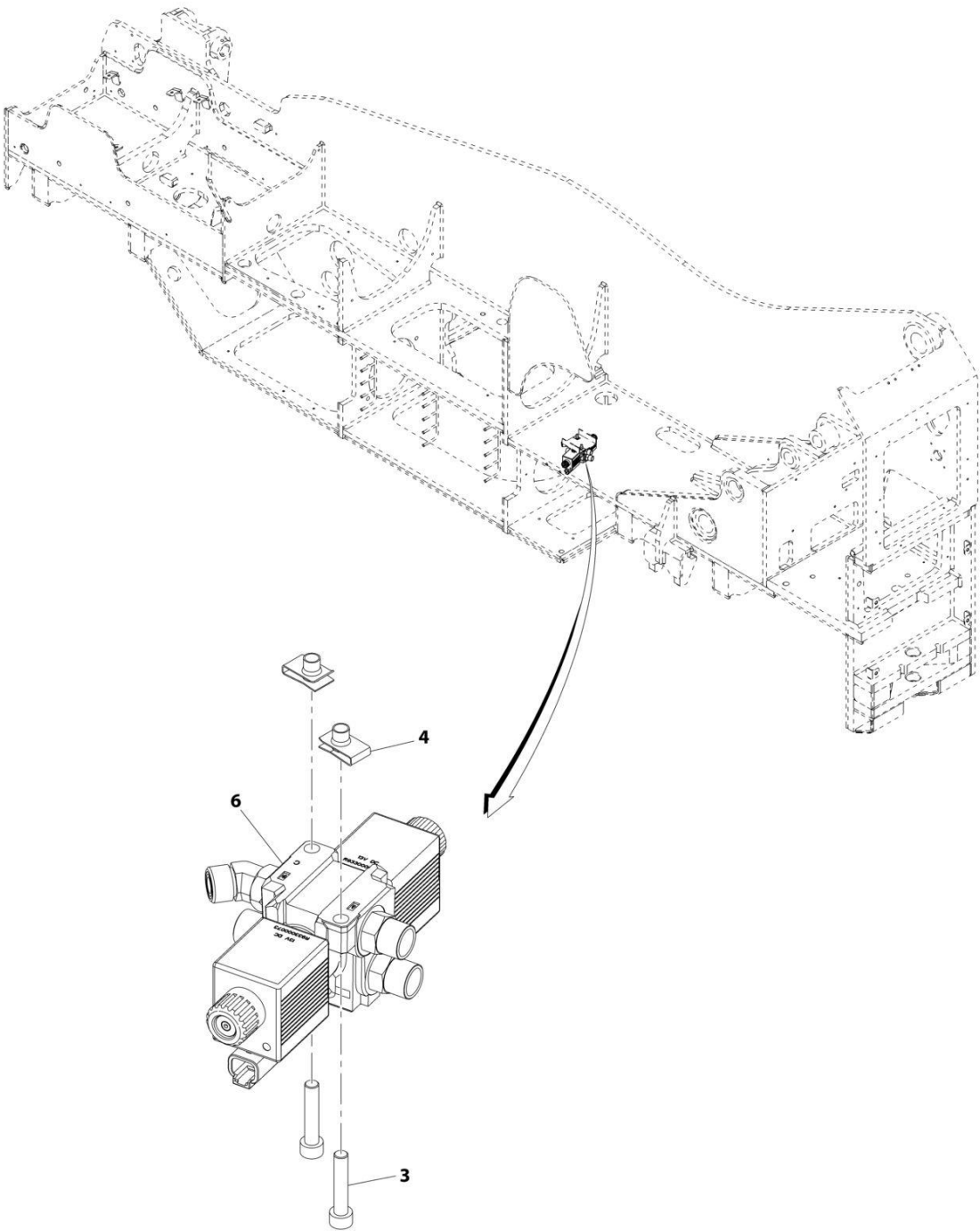
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-35. SPEED CONTROL VALVE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247223	Ref	Speed Control Valve Installation	A
1	4031912	2	Bolt, M8X40	
2	8310686	2	Nut, Retainer M8X12.5	
3	1001247222	1	Speed Control Valve Assembly	B
101	2110408	AR	Fitting, Straight ORFS	
102	2130408	1	Fitting	
103	4641520	1	Valve, Speed Control	
104	88662447	1	Fitting, Tee ORFS/ORB/ORFS	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-36. STEERING SELECT VALVE INSTALLATION



ART_1001193516-B

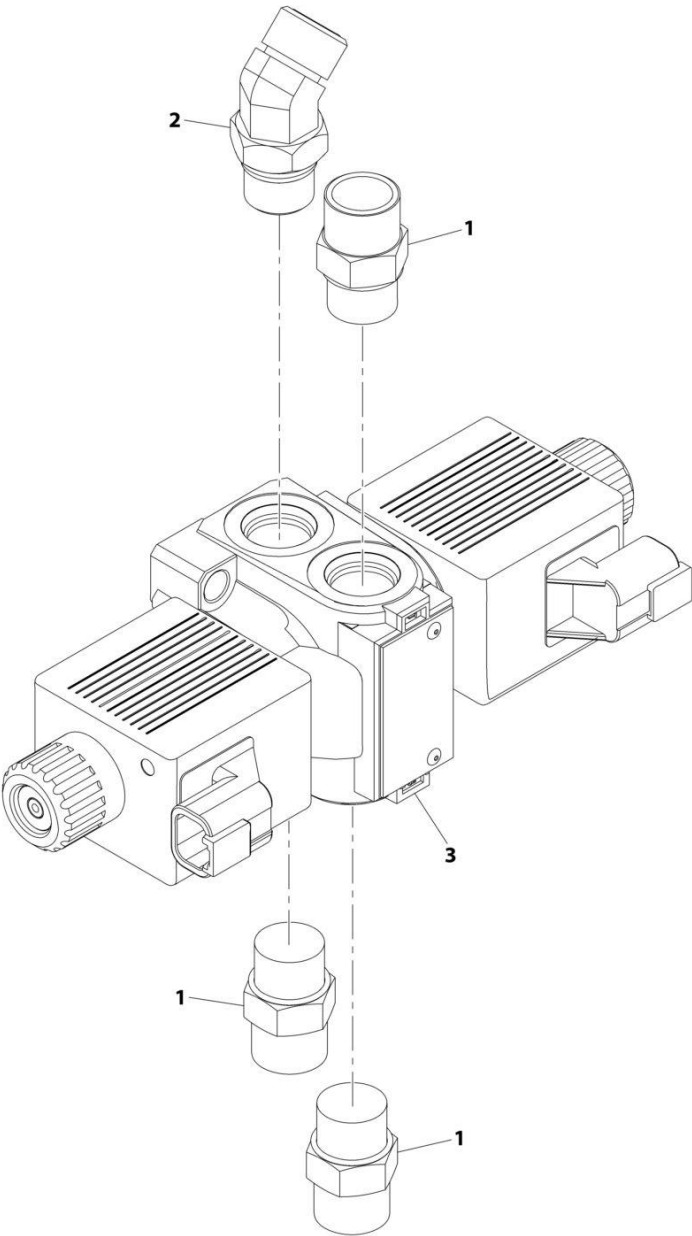
SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-36. STEERING SELECT VALVE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001193516	Ref	Steering Select Valve Installation	B
3	4031912	2	Bolt, M8X40	
4	8310686	2	Nut, M8X12.5	
6	1001212418	1	Assembly, Steering Select Valve (See Separate Breakdown in this Section)	

SECTION 8 - HYDRAULIC CIRCUITS

FIGURE 8-37. STEERING SELECT VALVE & FITTING ASSEMBLY



ART_1001212418-A

SECTION 8 - HYDRAULIC CIRCUITS

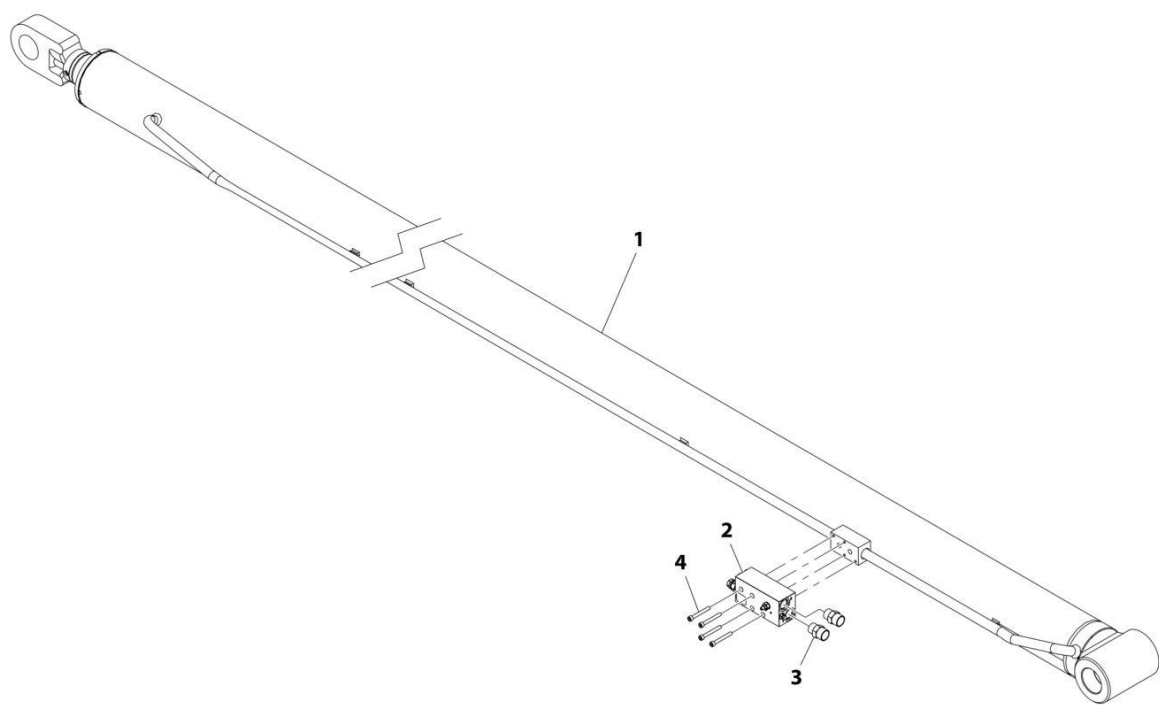
FIGURE 8-37. STEERING SELECT VALVE & FITTING ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001212418	Ref	Steering Select Valve Assembly	A
1	2110808	3	Fitting, Straight ORFS	
2	2150808	1	Fitting, 45 ORFS	
3	1001153748	1	Valve, Steering Select (See Separate Breakdown in HYDRAULIC COMPONENTS Section)	

SECTION 9 - HYDRAULIC COMPONENTS

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-1. CYLINDER INSTALLATION - EXTEND/RETRACT



ART_1001242678-A

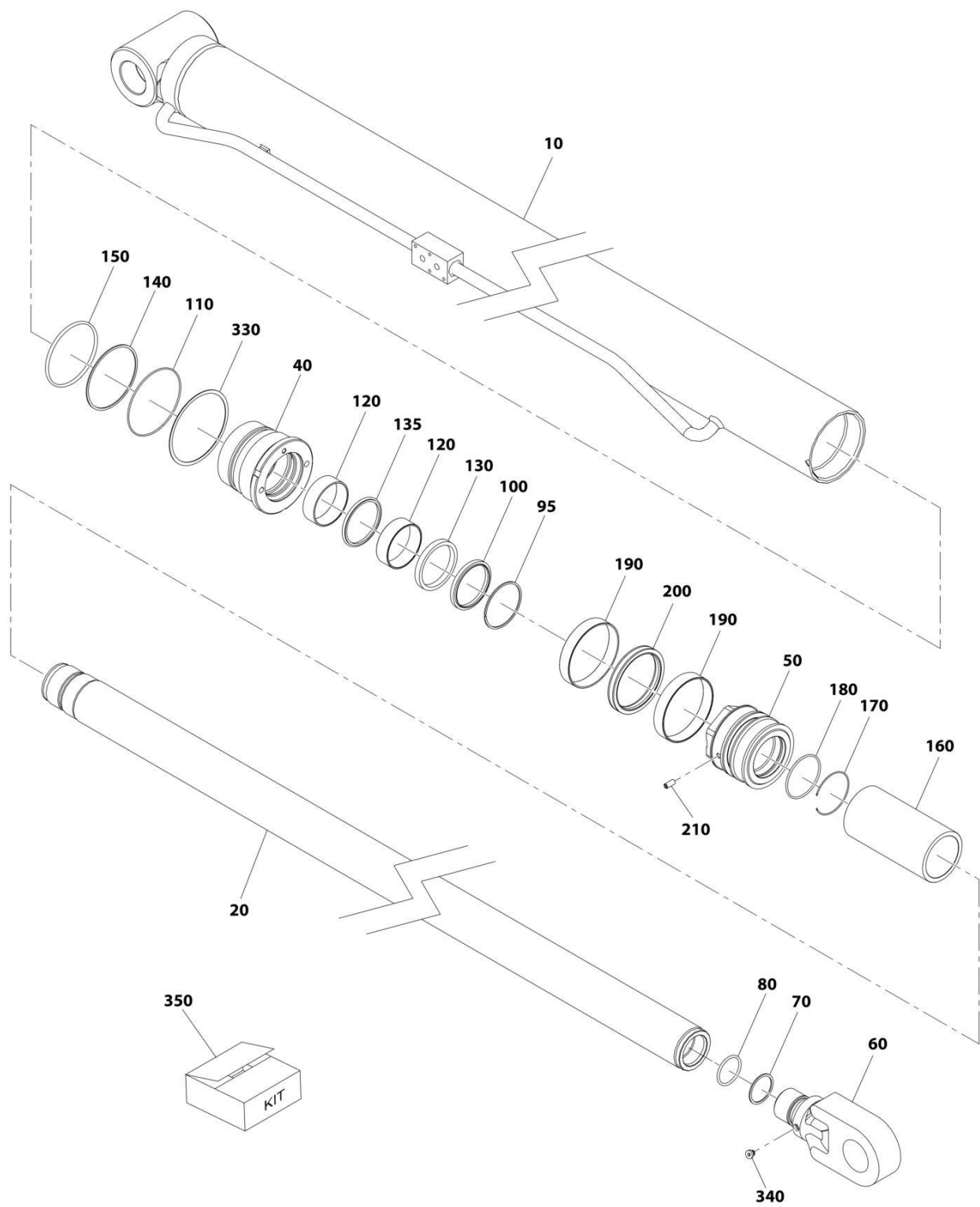
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-1. CYLINDER INSTALLATION - EXTEND/RETRACT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242678	Ref	Extend/Retract Cylinder Installation	A
1	1001238730	1	Cylinder, Extend/Retract (See Separate Breakdown in this Section)	
2	1001243925	1	Valve, Counterbalance	
2	70028454	2	O-Ring (Between Valve & Barrel)	
3	2111212	2	Fitting, Straight ORFS	
4	4031917	4	Bolt, M8X65	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-2. CYLINDER INSTALLATION - EXTEND/RETRACT



ART_1001238730-E

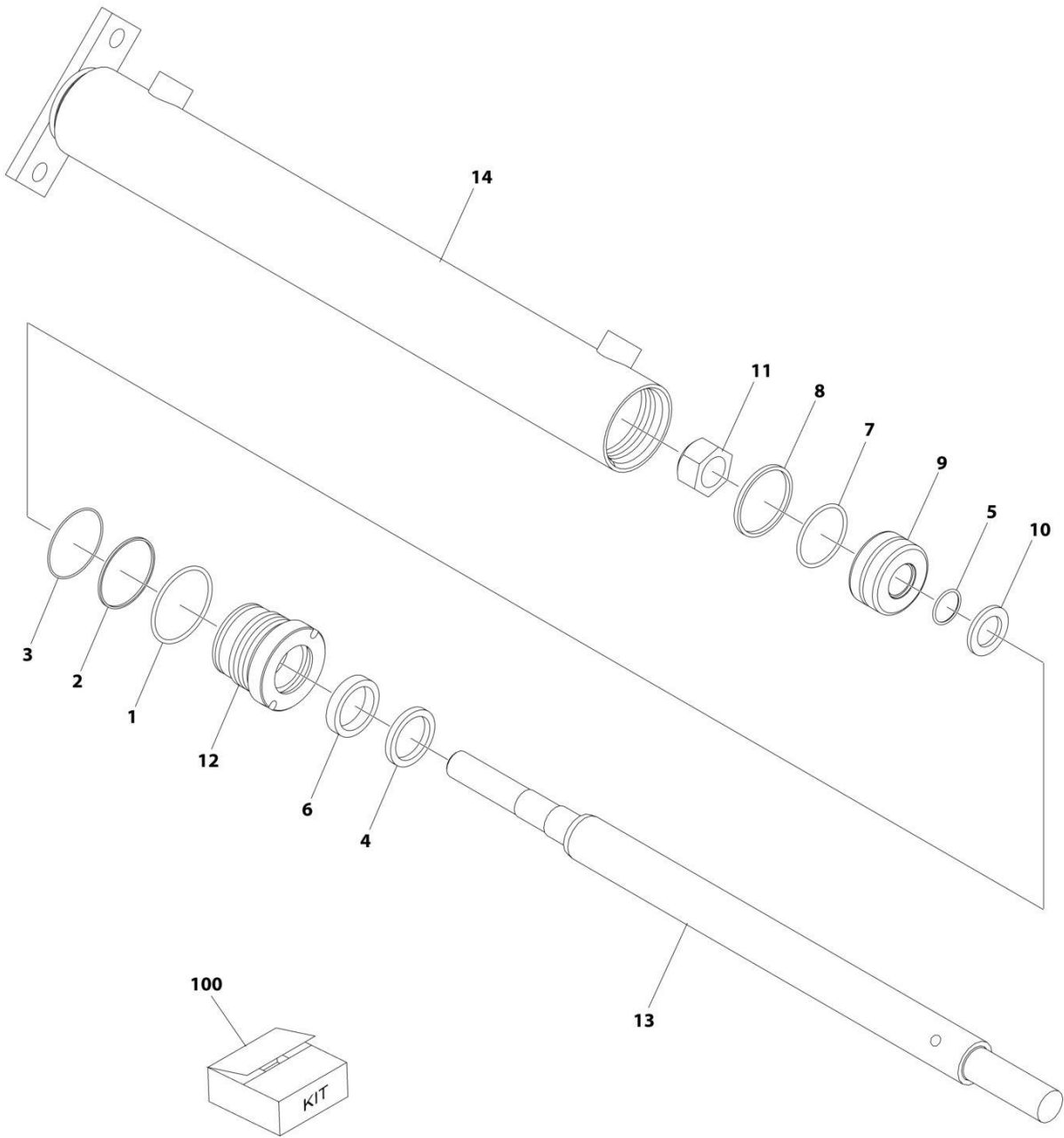
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-2. CYLINDER INSTALLATION - EXTEND/RETRACT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238730	Ref	Extend/Retract Cylinder	E
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
10	N.S.S.	1	Barrel	
20	70030152	1	Rod	
40	70030153	1	Gland	
50	70030154	1	Piston Head	
60	70030155	1	Clevis	
70	Kit	1	Ring, Backup	
80	Kit	1	O-Ring	
95	70000699	1	Ring, Snap	
100	Kit	1	Seal, Wiper	
110	Kit	1	O-Ring	
120	Kit	1	Bearing	
130	Kit	1	Seal	
135	Kit	1	Seal	
140	Kit	1	Ring, Backup	
150	Kit	1	O-Ring	
160	70030156	1	Spacer	
170	70030157	1	Round Wire Ring	
180	Kit	1	O-Ring	
190	Kit	2	Bearing	
200	Kit	1	Seal	
210	70030158	1	Grub Screw	
330	70030159	1	Tab Washer	
340	70025961	1	Plug	
350	70030160	1	Kit, Seal (includes items 70, 80, 100 thru 150 & 180 thru 200)	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-3. CYLINDER ASSEMBLY - FORK POSITIONING



ART_2717283

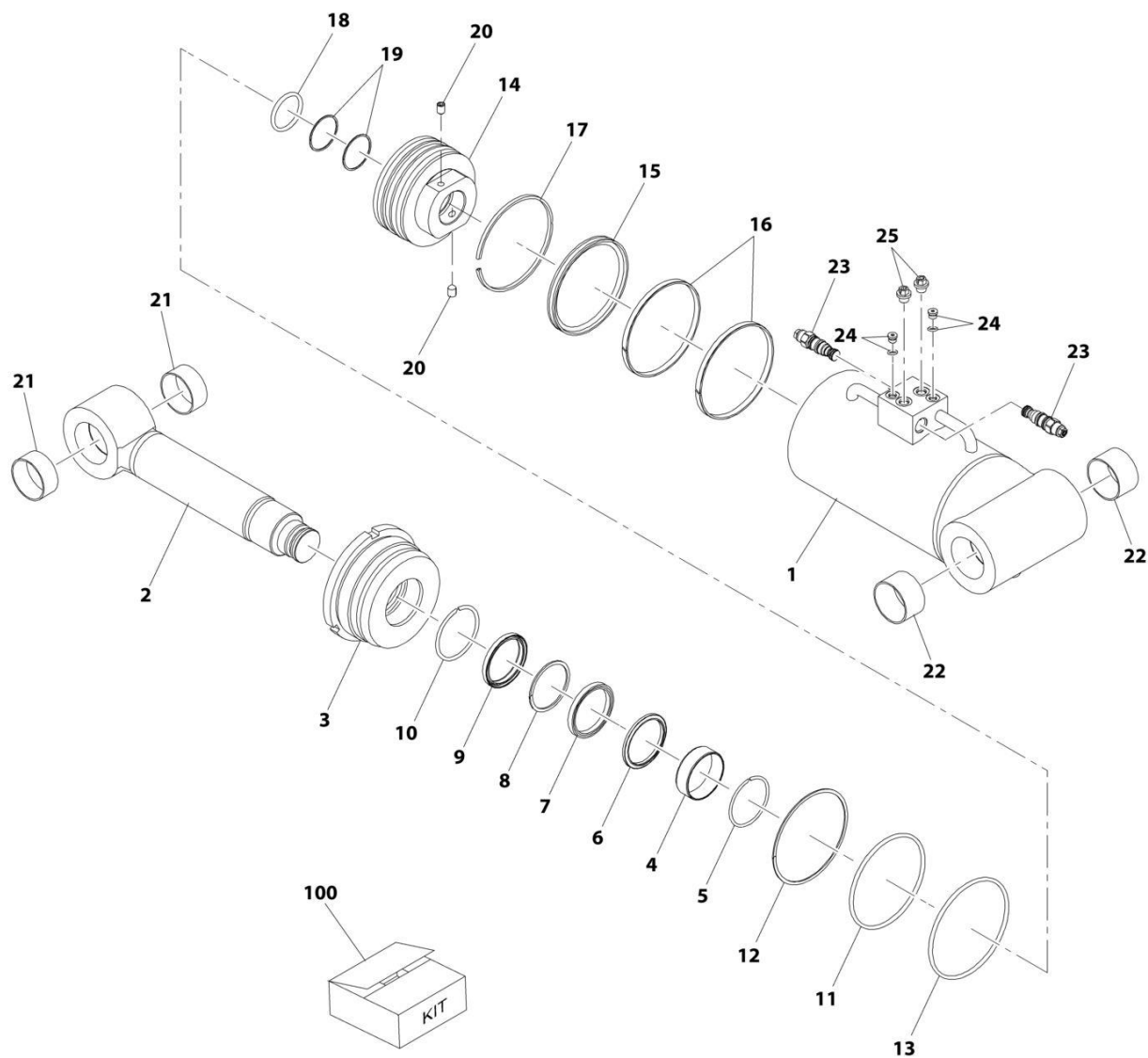
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-3. 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 9-4. CYLINDER ASSEMBLY - FRAME LEVEL



ART_1001174987-E

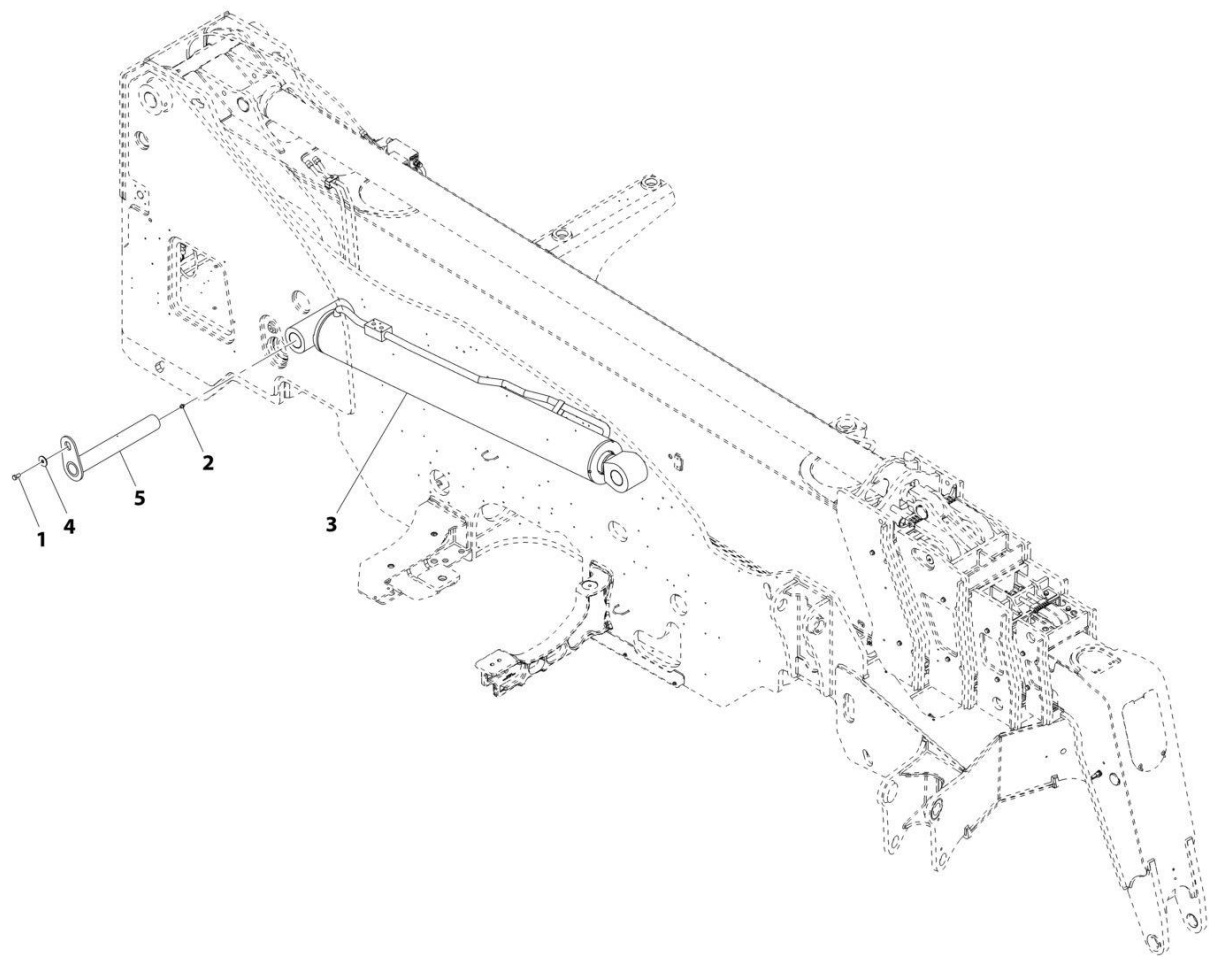
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-4. CYLINDER ASSEMBLY - FRAME LEVEL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001174987	Ref	Frame Level Cylinder Assembly	E
		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	70030115	1	Rod Assembly (includes item 21)	
3	70030116	1	Rod Cover Assembly (includes item 4 & 5)	
4	N.S.S.	1	Bushing	
5	N.S.S.	1	Ring, Retaining	
6	Kit	1	Buffer	
7	Kit	1	U-Packing	
8	Kit	1	Ring, Backup	
9	Kit	1	Wiper	
10	Kit	1	Ring, Retaining	
11	Kit	1	O-Ring	
12	Kit	1	Ring, Backup	
13	Kit	1	O-Ring	
14	70030117	1	Piston (includes item 20)	
15	Kit	1	Seal, Piston	
16	Kit	2	Ring, Wear	
17	Kit	1	Ring, Dust	
18	Kit	1	O-Ring	
19	Kit	2	Ring, Backup	
20	N.S.S.	2	Set Screw	
21	70030118	2	Bushing	
22	70030119	2	Bushing	
23	1001214653	2	Valve, Counterbalance	
24	N.S.S.	2	Plug with O-Ring	
25	N.S.S.	2	Cap, Dust	
100	70030120	1	Kit, Seal (includes items 6 thru 13 & 15 thru 19)	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-5. CYLINDER INSTALLATION - LIFT



ART_1001205890-A

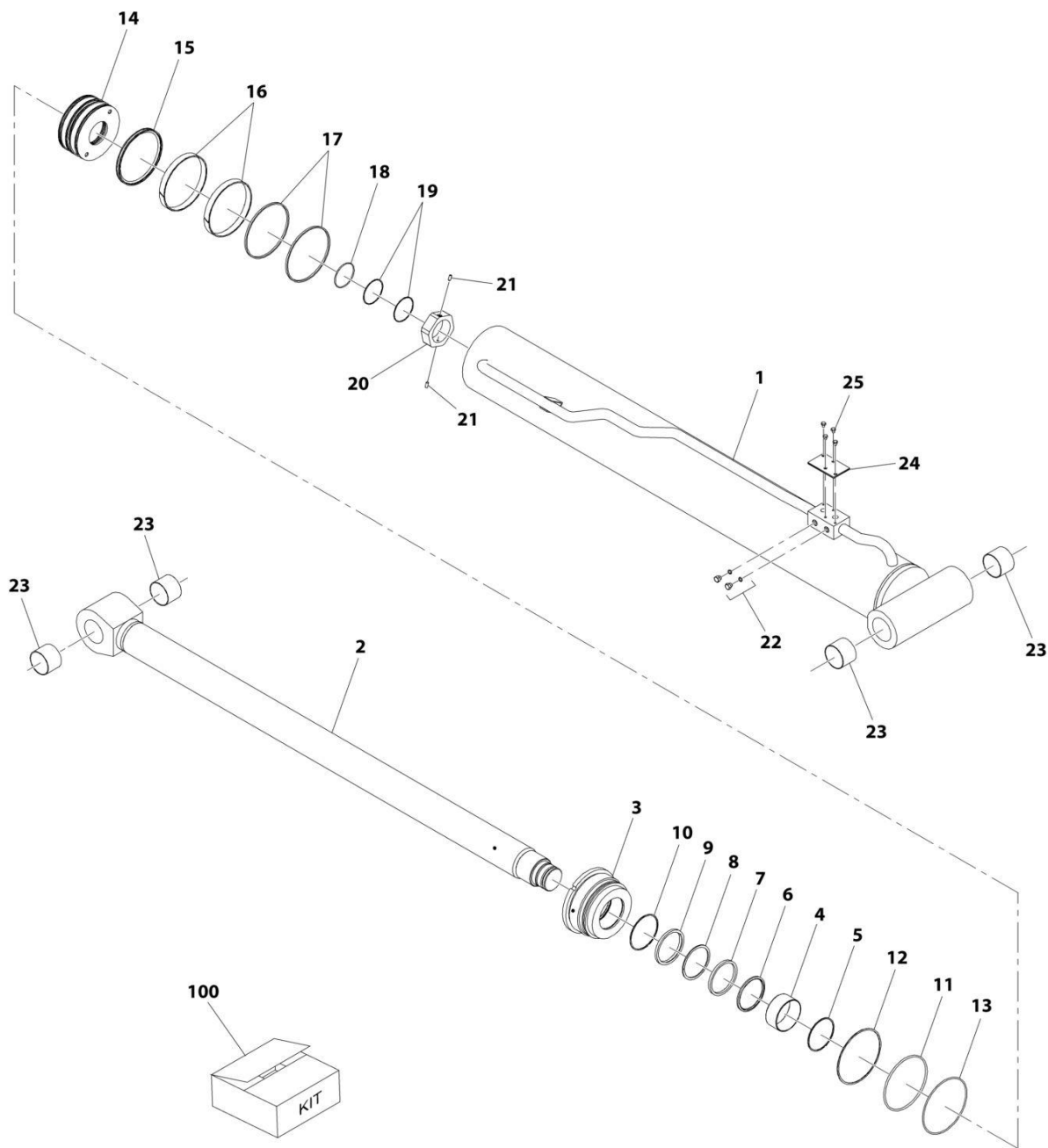
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-5. CYLINDER INSTALLATION - LIFT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001205890	Ref	Lift Cylinder Installation	A
1	0771414	1	Bolt, M14X30	
2	2160016	1	Fitting, Grease	
3	1001174984	1	Cylinder, Lift (See Separate Breakdown in this Section)	
4	1001217226	1	Washer	
5	1001244574	1	Pin	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-6. CYLINDER ASSEMBLY - LIFT



ART_1001174984-E

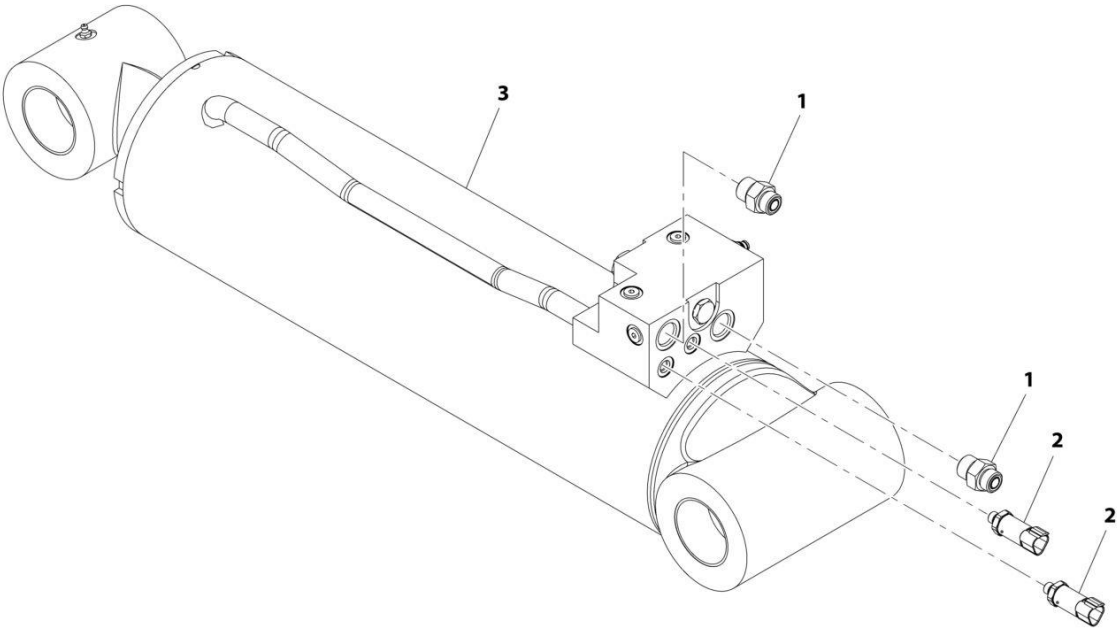
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-6. CYLINDER ASSEMBLY - LIFT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001174984	Ref	Lift Cylinder Assembly	E
		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	70030109	1	Rod Assembly (Includes item 23)	
3	70030110	1	Rod Cover Assembly	
4	N.S.S.	1	Bushing	
5	N.S.S.	1	Ring, Retaining	
6	Kit	1	Seal, Buffer	
7	Kit	1	U-Packing	
8	Kit	1	Ring, Backup	
9	Kit	1	Wiper	
10	Kit	1	Ring, Retaining	
11	Kit	1	O-Ring	
12	Kit	1	Ring, Backup	
13	Kit	1	O-Ring	
14	70030111	1	Piston	
15	Kit	1	Seal, Piston	
16	Kit	2	Ring, Wear	
17	Kit	2	Ring, Dust	
18	Kit	1	O-Ring	
19	Kit	2	Ring, Backup	
20	70030112	1	Piston Nut (Includes item 21)	
21	N.S.S.	2	Set Screw	
22	N.S.S.	2	Plug with O-Ring	
23	70030113	4	Bushing	
24	N.S.S.	1	Cover, Dust	
25	N.S.S.	4	Bolt	
100	70030114	1	Kit, Seal (includes items 6 thru 13 & 15 thru 19)	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-7. CYLINDER INSTALLATION - OUTRIGGER



ART_1001238827-B

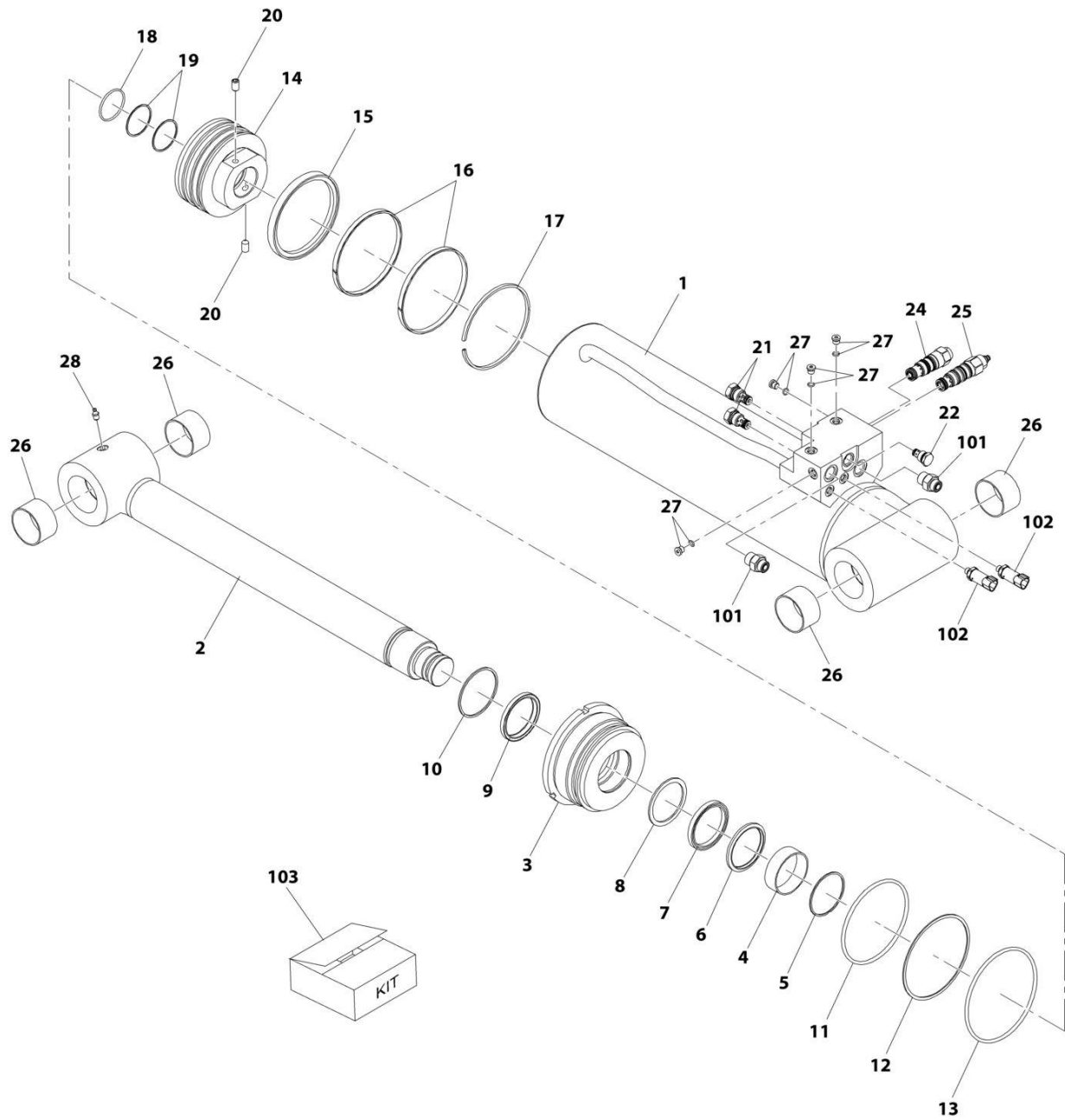
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-7. CYLINDER INSTALLATION - OUTRIGGER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238827	Ref	Outrigger Cylinder Installation	B
1	2110810	2	Fitting, Straight	
2	1001199043	2	Sensor, Pressure Transducer	
3	1001238807	1	Cylinder, Outrigger (See Separate Breakdown in this Section)	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-8. CYLINDER ASSEMBLY - OUTRIGGER



ART_1001238807-G

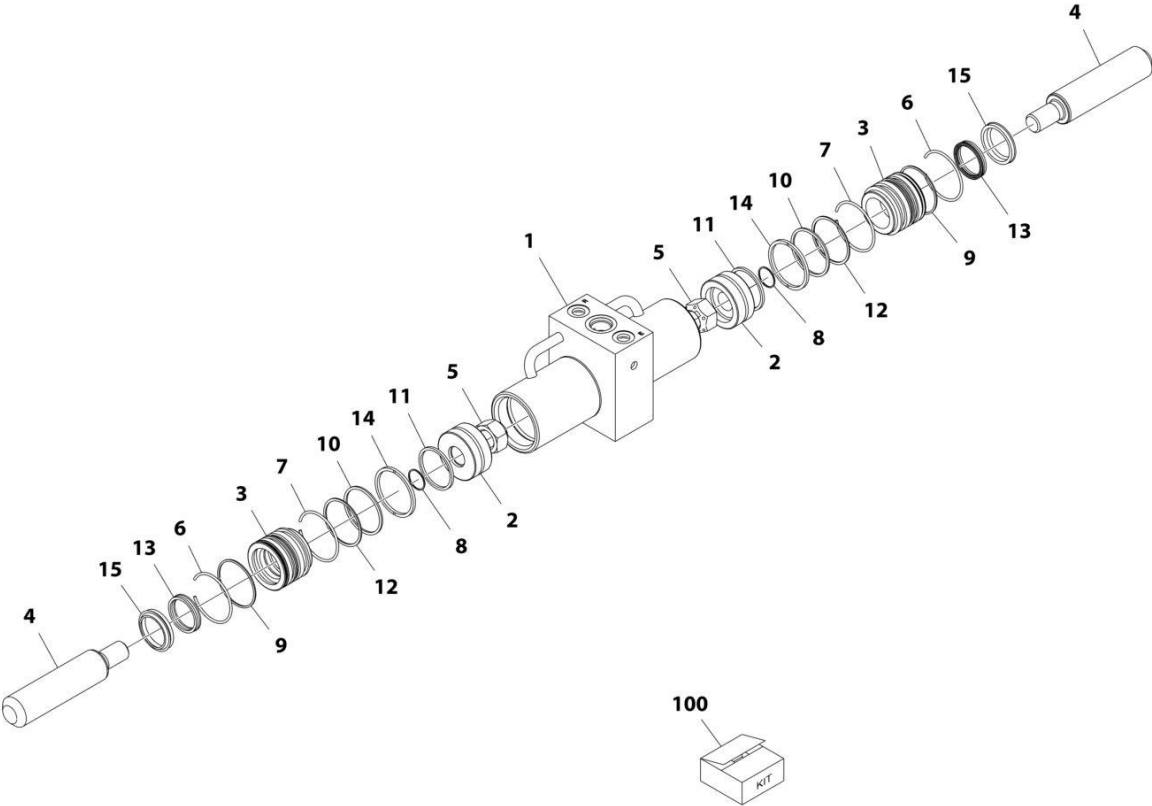
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-8. CYLINDER ASSEMBLY - OUTRIGGER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238807	Ref	Outrigger Cylinder	H
		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	70030121	1	Rod Assembly (includes item 26)	
3	70030122	1	Rod Cover Assembly	
4	N.S.S.	1	Bushing	
5	N.S.S.	1	Ring, Retaining	
6	Kit	1	Seal, Buffer	
7	Kit	1	U-Packing	
8	Kit	1	Ring, Backup	
9	Kit	1	Wiper	
10	Kit	1	Ring, Retaining	
11	Kit	1	O-Ring	
12	Kit	1	Ring, Backup	
13	Kit	1	O-Ring	
14	70030117	1	Piston (includes item 20)	
15	Kit	1	Seal, Piston	
16	Kit	2	Ring, Wear	
17	Kit	1	Ring, Dust	
18	Kit	1	O-Ring	
19	Kit	2	Ring, Backup	
20	N.S.S.	2	Set Screw	
21	70030090	2	Valve, Check	
22	70030091	1	Valve, Check	
24	1001285929	1	Valve, Counterbalance	
25	70030092	1	Valve, Counterbalance	
26	70030119	4	Bushing	
27	2220883	4	Plug with O-Ring	
28	N.S.S.	1	Grease Nipple	
101	2110810	2	Fitting, Straight ORFS	
102	1001199043	2	Sensor	
103	70030120	1	Kit, Seal (includes items 6 thru 13 & 15 thru 19)	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-9. CYLINDER ASSEMBLY - QUICK COUPLER



ART_1001120163-D

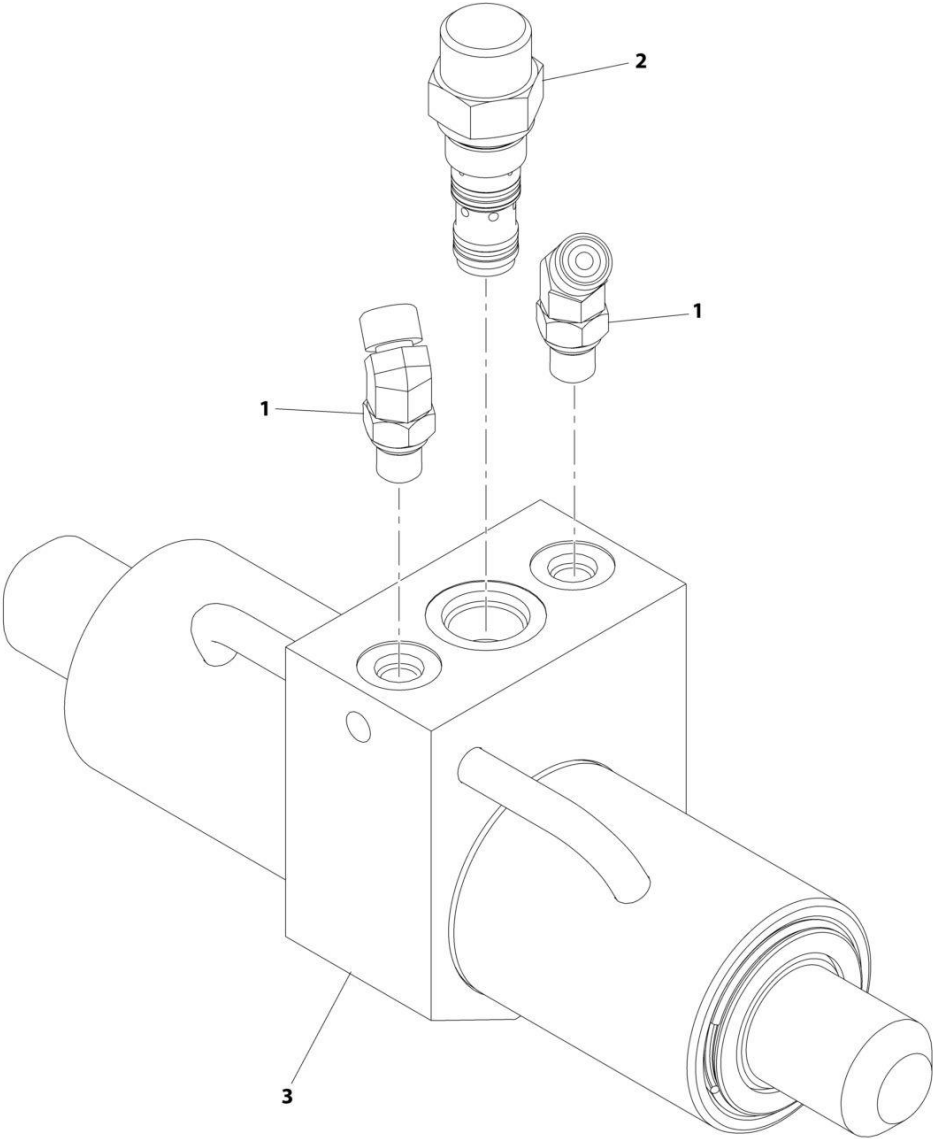
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-9. 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 9-10. CYLINDER ASSEMBLY - QUICK SWITCH



ART_1001210390-A

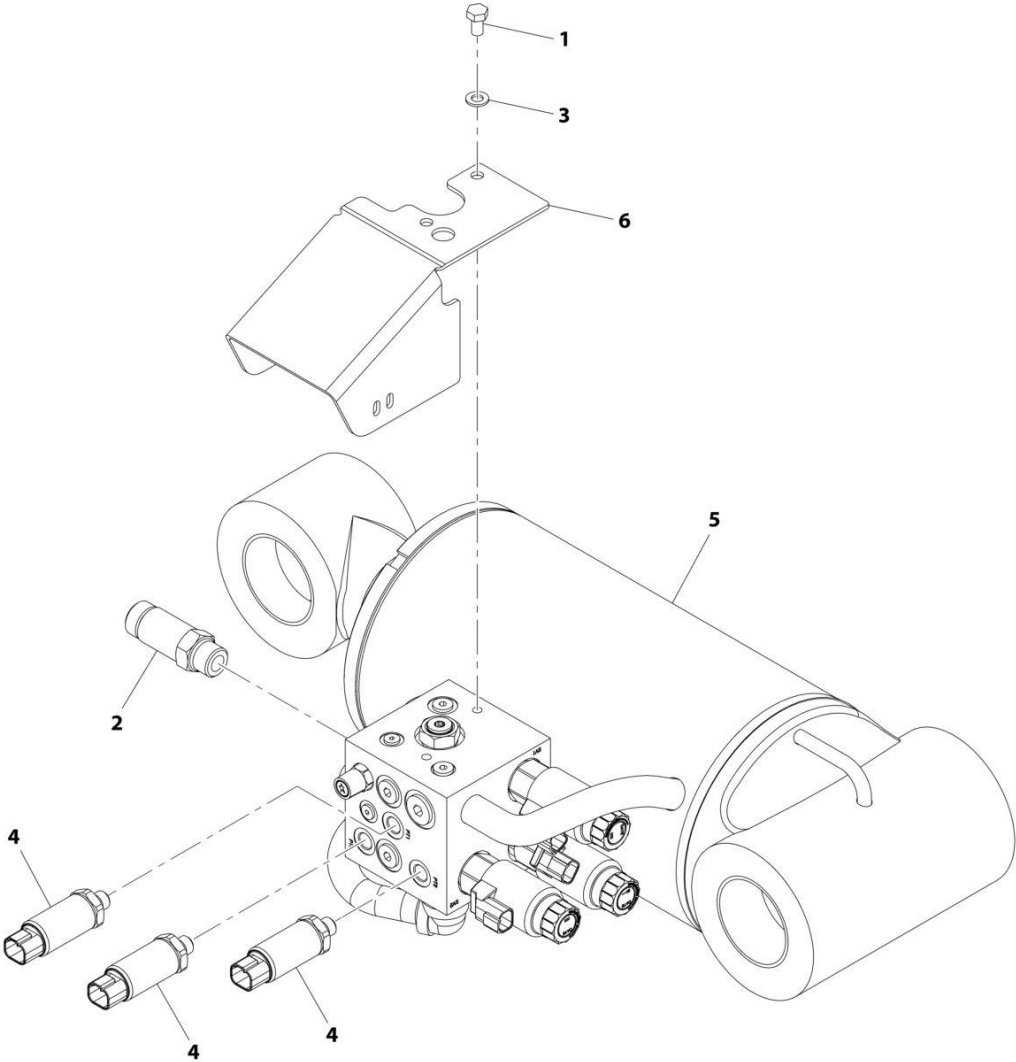
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-10. CYLINDER ASSEMBLY - QUICK SWITCH

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)	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-11. CYLINDER INSTALLATION - REAR AXLE STABILIZER



ART_1001243089-A

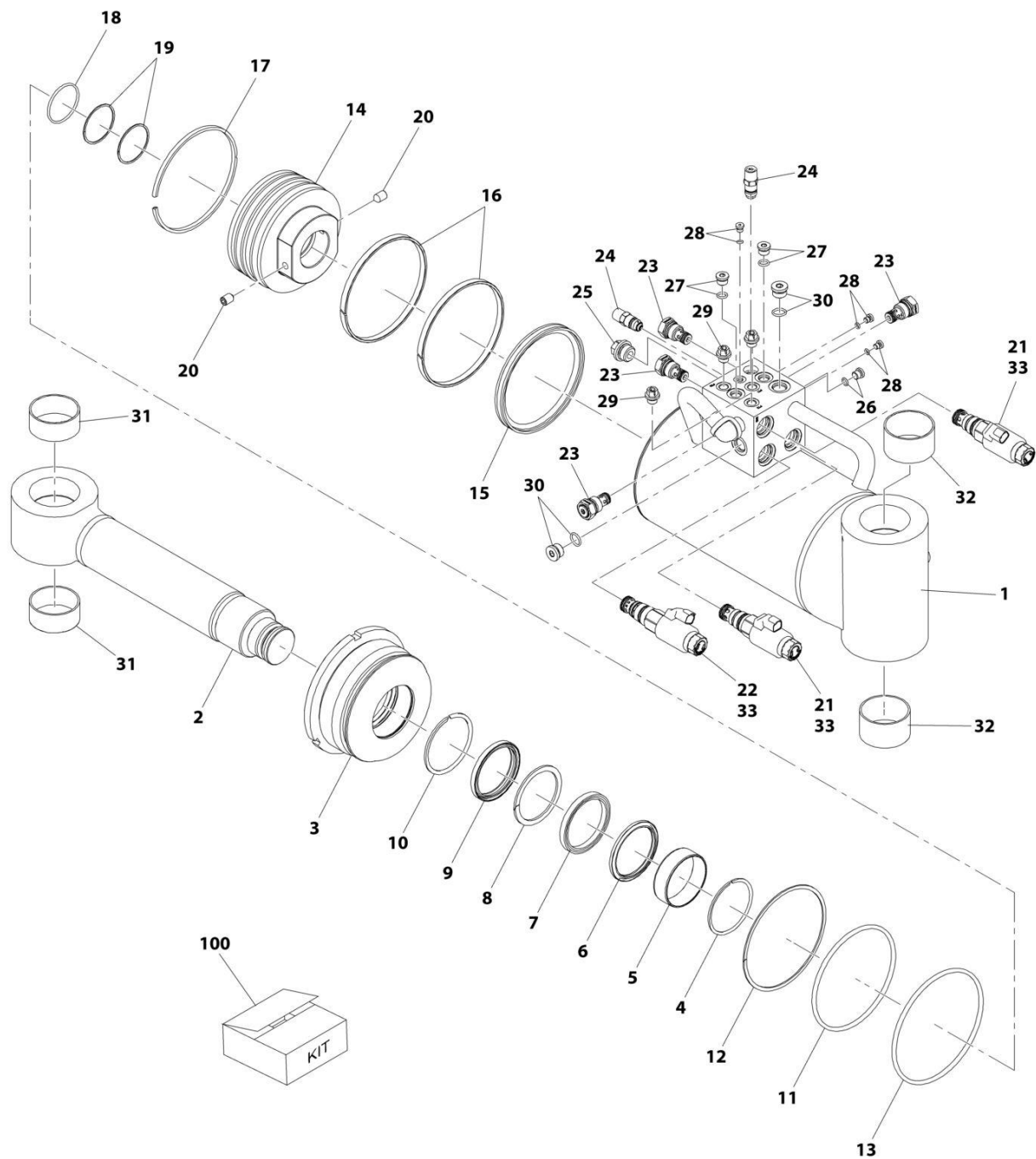
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-11. CYLINDER INSTALLATION - REAR AXLE STABILIZER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243089	Ref	Rear Axle Stabilizer Cylinder Assembly	A
1	0760807	2	Bolt, M8X14	
2	2170110	1	Fitting, Straight ORFS	
3	4811900	2	Washer, M8	
4	1001162885	3	Sensor, Pressure	
5	1001238733	1	Cylinder, Rear Axle Stabilizer (See Separate Breakdown in this Section)	
6	1001246562	1	Cover	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-12. CYLINDER ASSEMBLY - REAR AXLE STABILIZER



ART_1001238733-F

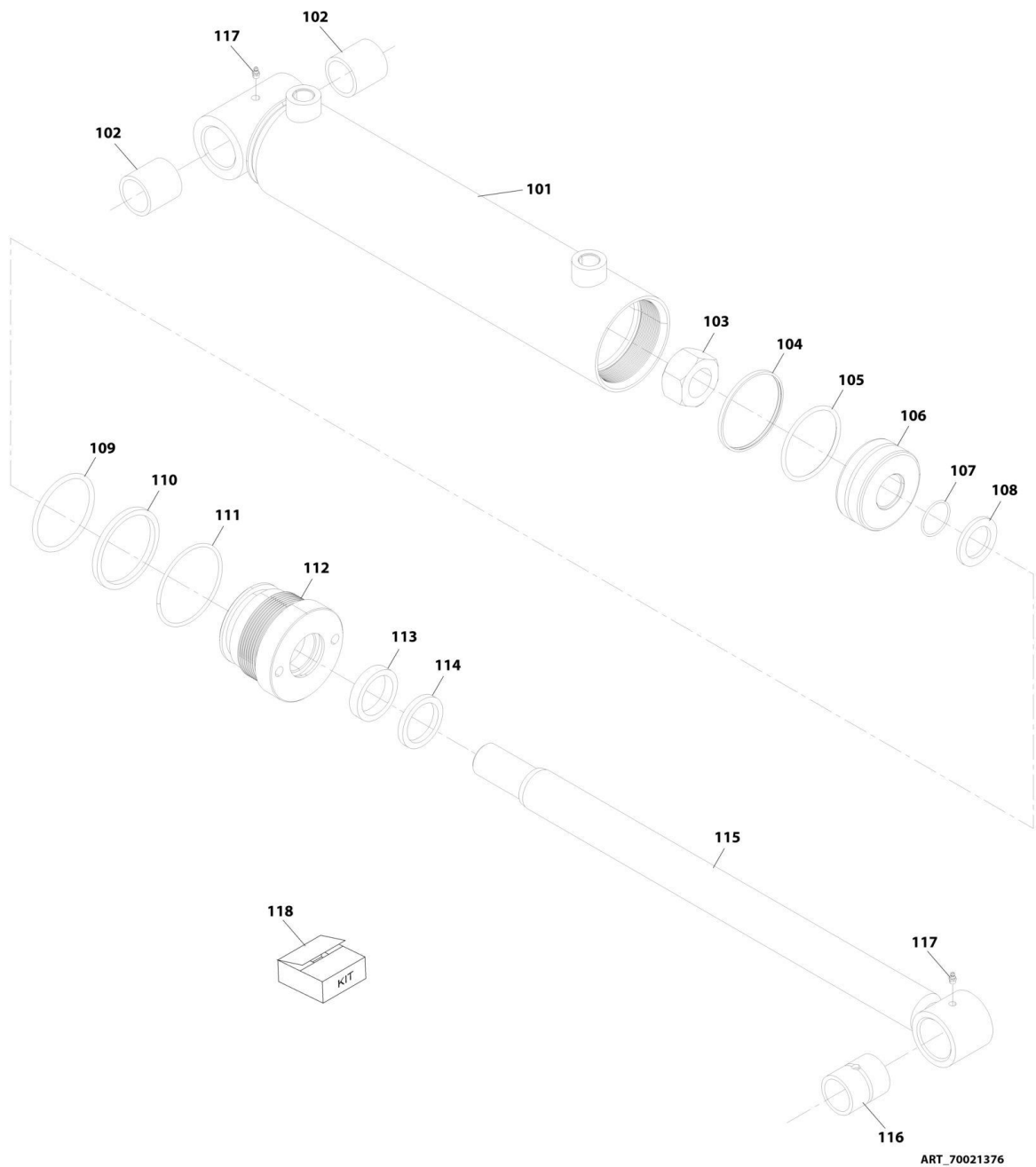
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-12. CYLINDER ASSEMBLY - REAR AXLE STABILIZER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238733	Ref	Rear Axle Stabilizer Cylinder	F
		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	70030128	1	Rod Assembly (includes items 29 thru 31)	
3	70030124	1	Rod Cover Assembly (includes items 4 & 5)	
4	N.S.S.	1	Ring, Retaining	
5	N.S.S.	1	Bushing	
6	Kit	1	Seal, Buffer	
7	Kit	1	U-Packing	
8	Kit	1	Ring, Backup	
9	Kit	1	Wiper	
10	Kit	1	Ring, Retaining	
11	Kit	1	O-Ring	
12	Kit	1	Ring, Backup	
13	Kit	1	O-Ring	
14	70030125	1	Piston (includes item 20)	
15	Kit	1	Seal, Piston	
16	Kit	2	Ring, Wear	
17	Kit	1	Ring, Dust	
18	Kit	1	O-Ring	
19	Kit	2	Ring, Backup	
20	N.S.S.	2	Set Screw	
21	70030129	2	Valve, Solenoid	
22	70030130	1	Valve, Solenoid	
23	70030131	4	Valve, Check	
24	70030132	2	Valve, Relief	
25	N.S.S.	1	Cap, Dust	
26	2220883	1	Plug with O-Ring	
27	2220885	2	Plug with O-Ring	
28	2220881	3	Plug with O-Ring	
29	N.S.S.	3	Cap, Dust	
30	2220886	2	Plug with O-Ring	
31	70030118	2	Bushing	
32	70030119	2	Bushing	
33	1001207923	3	Coil	
100	70030120	1	Kit, Seal (includes items 6 thru 13 & 15 thru 19)	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-13. CYLINDER ASSEMBLY - SIDE SHIFT CARRIAGE



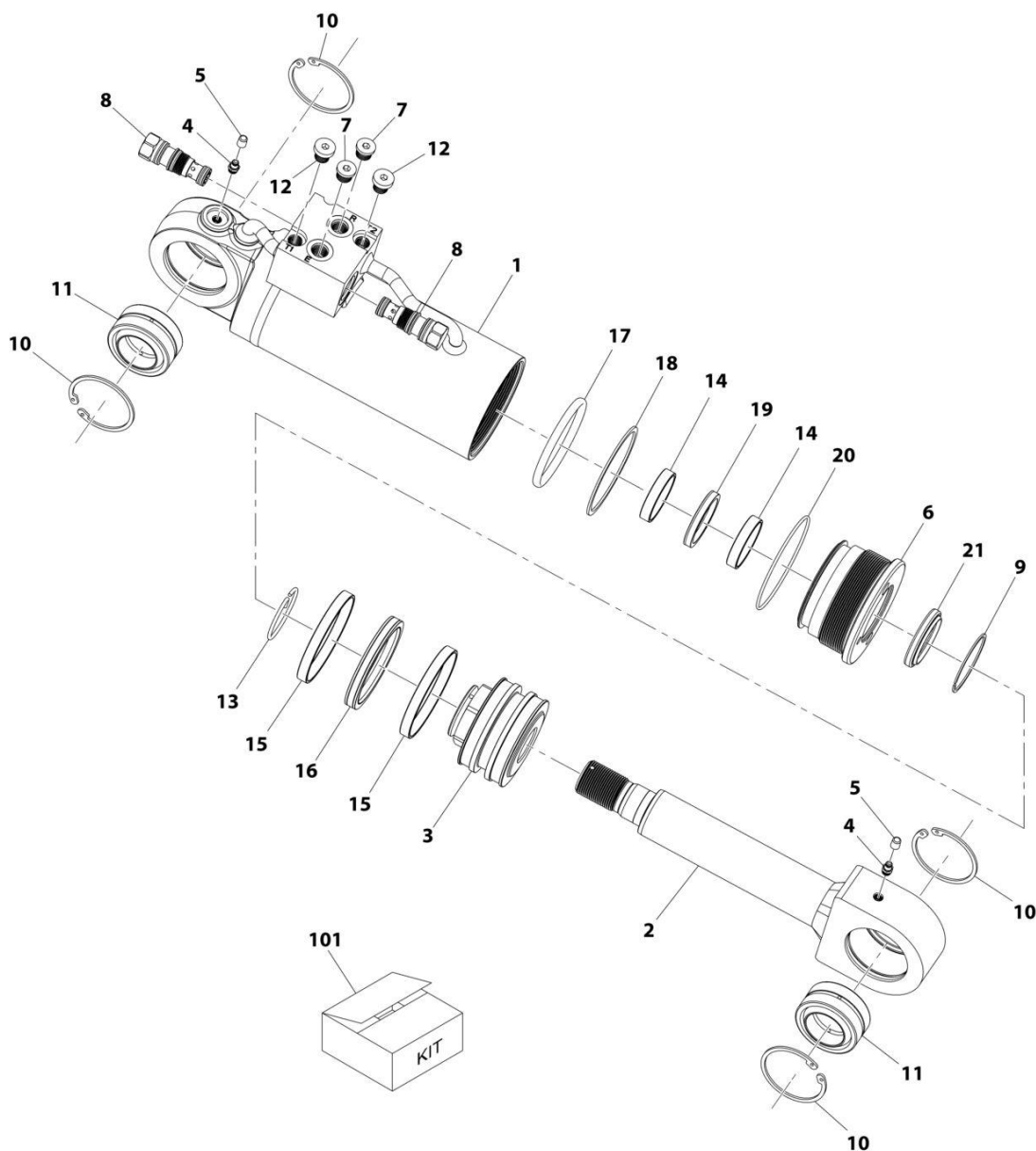
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-13. CYLINDER ASSEMBLY - SIDE SHIFT CARRIAGE

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 9-14. CYLINDER ASSEMBLY - SIDE TILT



ART_1001163414-A

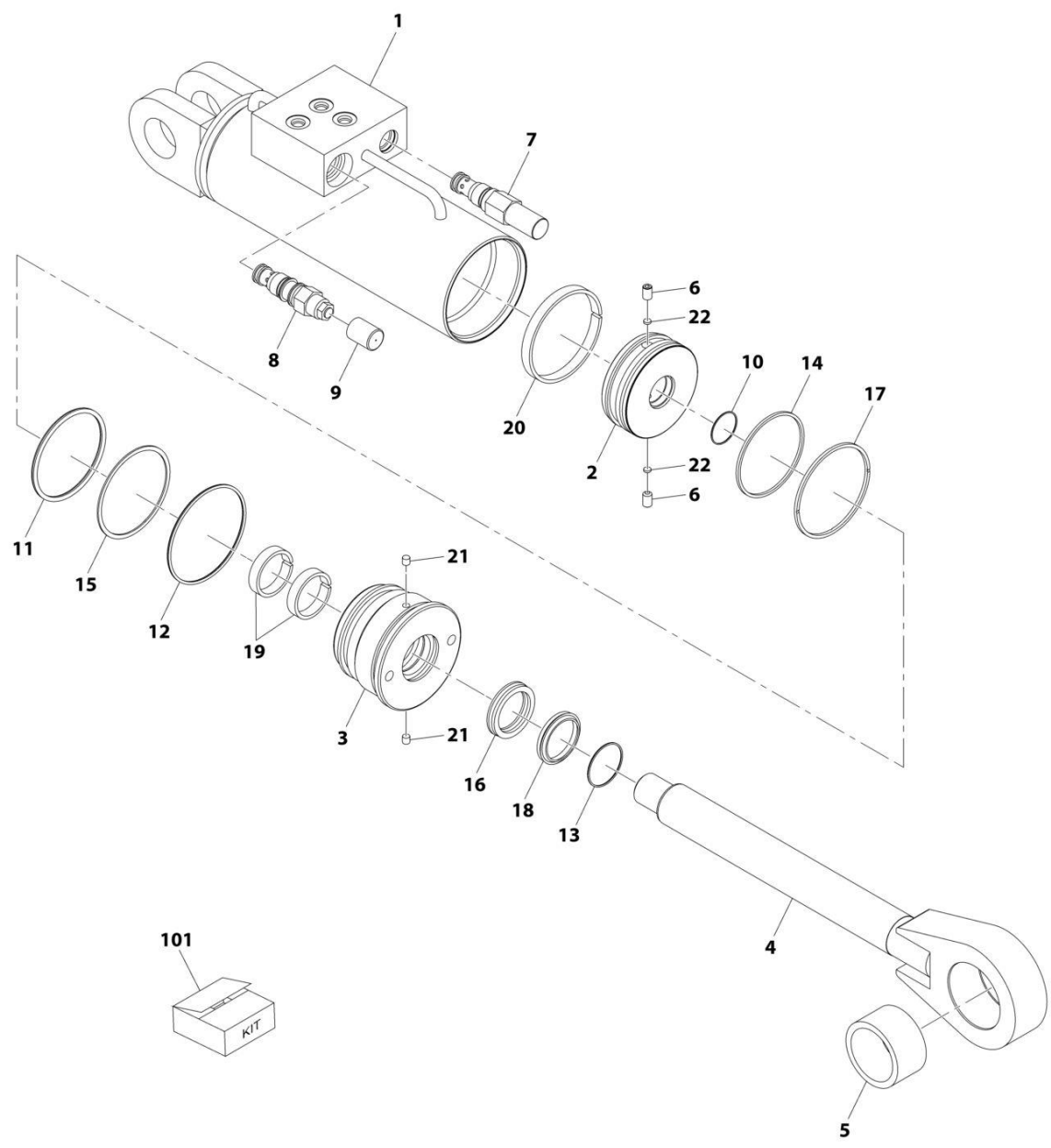
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-14. CYLINDER ASSEMBLY - 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 9-15. CYLINDER ASSEMBLY - SWING CARRIAGE



ART_1001103182-B

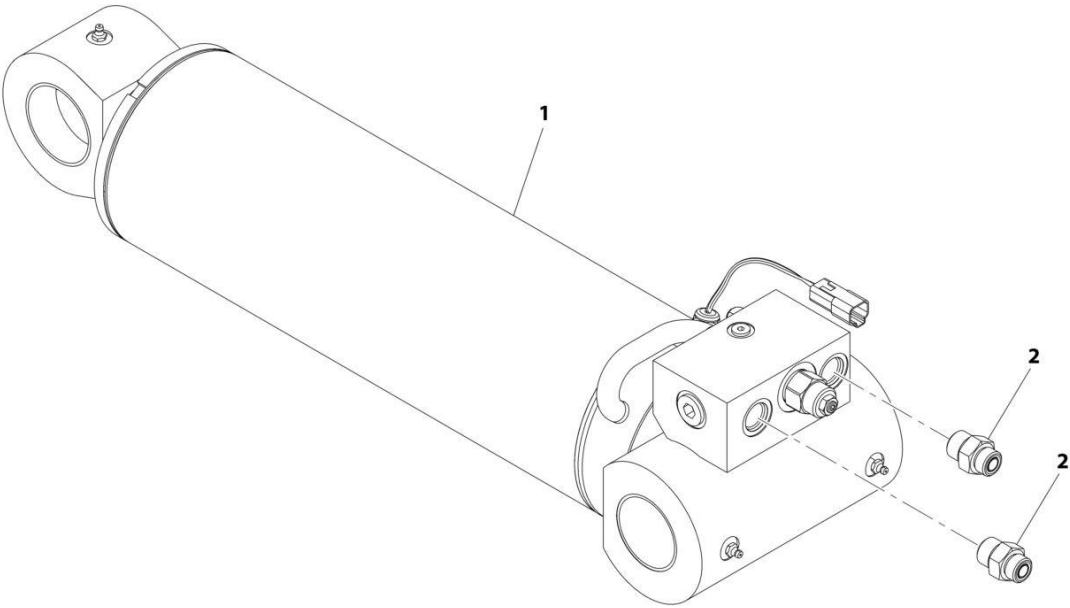
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-15. CYLINDER ASSEMBLY - SWING CARRIAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001103182	Ref	Swing Carriage Cylinder	B
1	70022044	1	Barrel	
2	8035863	1	Piston	
3	8035862	1	Head	
4	70022045	1	Rod	
5	70022046	1	Bearing	
6	8035536	2	Setscrew 5/16X1/2	
7	70020428	1	Valve, Relief	
7	7024574	1	Kit, Seal	
8	8033786	1	Valve, Counterbalance	
8	8205655	1	Kit, Seal	
9	70021812	1	Tamper-proof Cap	
10	See Note	NSS	O-Ring (Note: Use Item 101)	
11	See Note	NSS	O-Ring (Note: Use Item 101)	
12	See Note	NSS	O-Ring (Note: Use Item 101)	
13	See Note	NSS	O-Ring (Note: Use Item 101)	
14	See Note	NSS	Ring, Square (Note: Use Item 101)	
15	See Note	NSS	Ring, Backup (Note: Use Item 101)	
16	See Note	NSS	Seal (Note: Use Item 101)	
17	See Note	NSS	Seal, Piston (Note: Use Item 101)	
18	See Note	NSS	Wiper, Rod (Note: Use Item 101)	
19	See Note	NSS	Ring, Wear (Note: Use Item 101)	
20	See Note	NSS	Ring, Wear (Note: Use Item 101)	
21	See Note	NSS	Insert (Note: Use Item 101)	
22	See Note	NSS	Insert (Note: Use Item 101)	
101	2915023	1	Kit, Seal (includes items 11 thru 22)	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-16. CYLINDER & FITTING ASSEMBLY - TILT



ART_1001242677-A

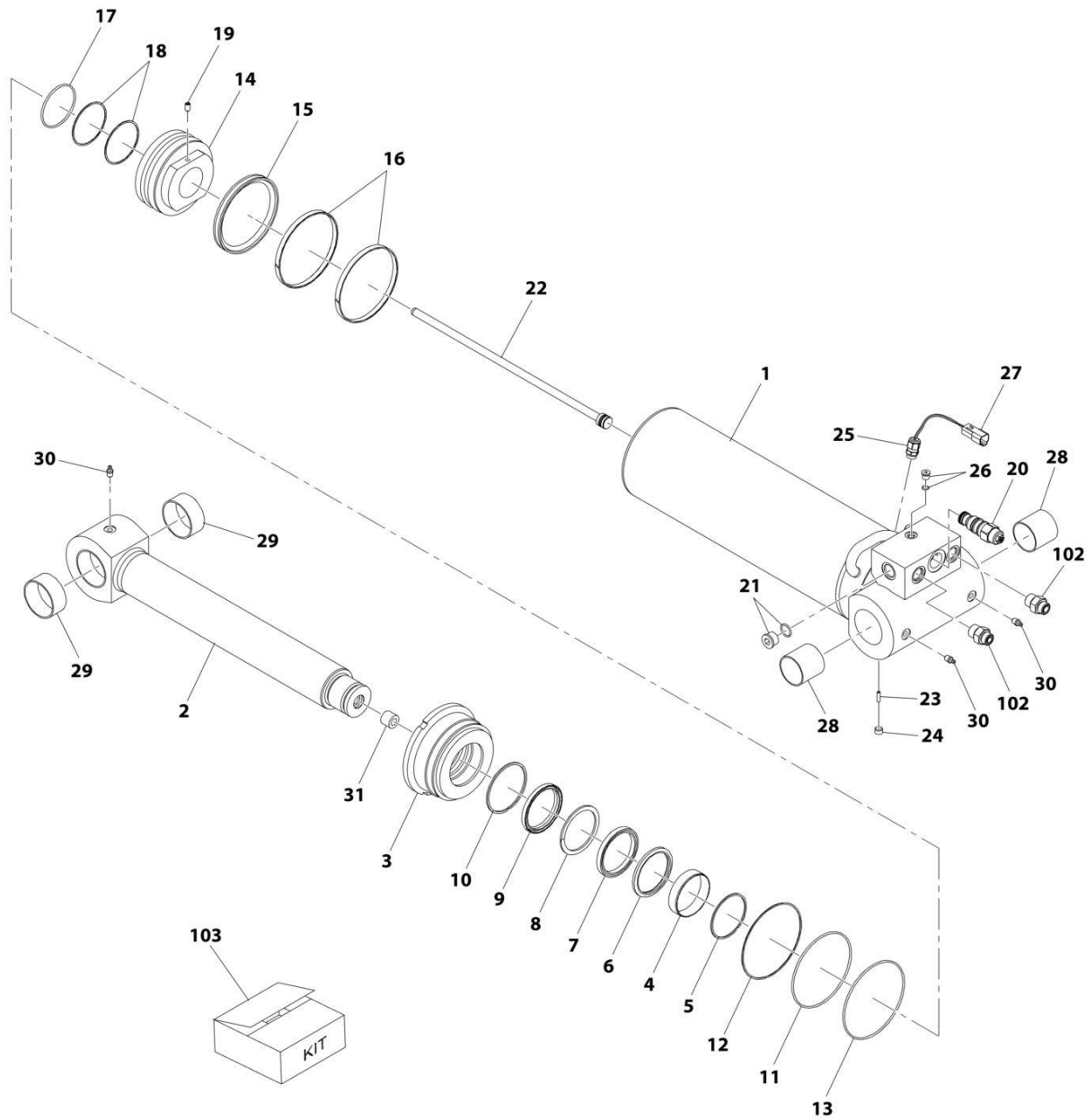
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-16. CYLINDER & FITTING ASSEMBLY - TILT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242677	Ref	Tilt Cylinder & Fitting Assembly	A
1	1001238640	1	Tilt Cylinder Assembly (See Separate Breakdown in this Section)	
2	2110810	2	Fitting, 45 ORFS	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-17. CYLINDER ASSEMBLY - TILT



ART_1001238640-G

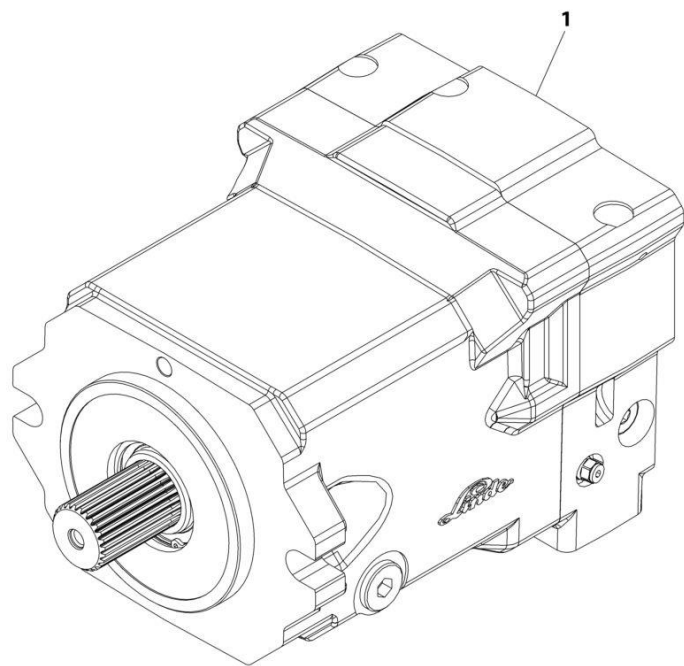
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-17. CYLINDER ASSEMBLY - TILT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238640	Ref	Tilt Cylinder	G
		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	70030123	1	Rod Assembly (includes items 29, 30 thru 31)	
3	70030124	1	Rod Cover Assembly (includes items 4 & 5)	
4	N.S.S.	1	Bushing	
5	N.S.S.	1	Ring, Retaining	
6	Kit	1	Seal, Buffer	
7	Kit	1	U-Packing	
8	Kit	1	Ring, Backup	
9	Kit	1	Wiper	
10	Kit	1	Ring, Retaining	
11	Kit	1	O-Ring	
12	Kit	1	Ring, Backup	
13	Kit	1	O-Ring	
14	70030125	1	Piston (includes item 19)	
15	Kit	1	Seal, Piston	
16	Kit	2	Ring, Wear	
17	Kit	1	O-Ring	
18	Kit	2	Ring, Backup	
19	N.S.S.	1	Set Screw	
20	1001189888	1	Valve, Counterbalance	
21	N.S.S.	1	Plug with O-Ring	
22	N.S.S.	3	Sensor, Assembly	
23	N.S.S.	1	Set Screw	
24	N.S.S.	1	Plug	
25	N.S.S.	1	Gland, Cable	
26	N.S.S.	1	Plug with O-Ring	
27	N.S.S.	1	Connector	
28	70030126	2	Bushing	
29	70030118	2	Bushing	
30	N.S.S.	3	Grease Nipple	
31	N.S.S.	1	Plug, Magnet	
102	2110810	2	Fitting, Straight ORFS	
103	70030127	1	Kit, Seal (includes items 6 thru 13 & 15 thru 18)	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-18. MOTOR ASSEMBLY - HYDRAULIC



ART_1001203804-C

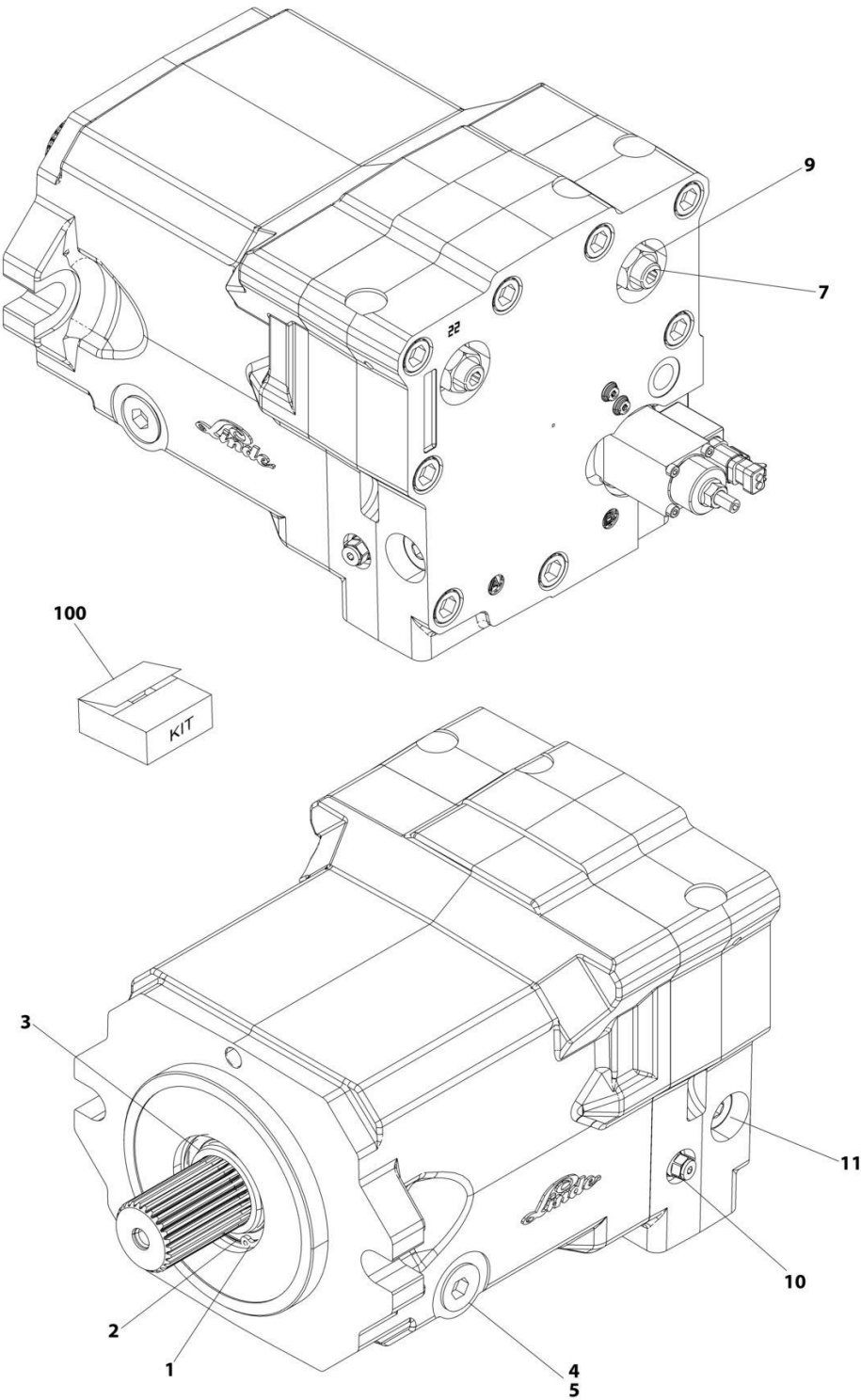
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-18. MOTOR ASSEMBLY - HYDRAULIC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001203804	Ref	Hydraulic Motor	C
1	70030054	1	Ring, Snap	
2	70030055	1	Shim	
3	70030056	1	Seal, Shaft	
4	70030057	1	Plug (includes item 5)	
5	N.S.S.	1	O-Ring	
7	0009037416	2	Threaded Pin	
9	70030060	2	Nut	
20	70030061	1	Valve, Feed	
30	70030062	1	Valve, Switch	
102	70030063	1	Kit, Seal (includes item 3)	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-19. MOTOR ASSEMBLY – HYDRAULIC



ART_1001268891

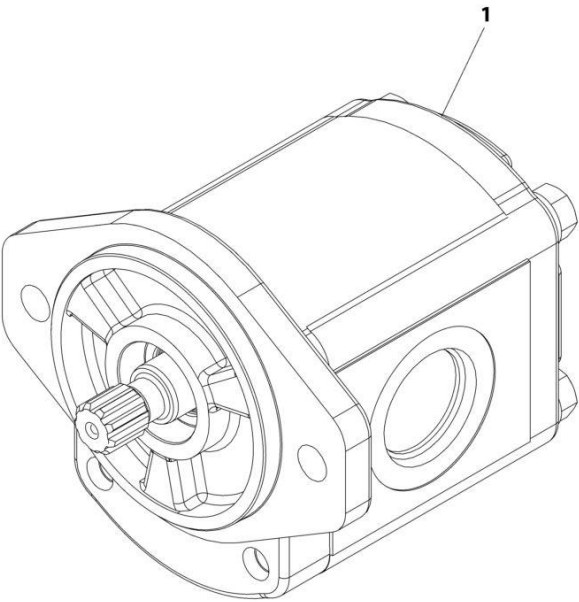
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-19. MOTOR ASSEMBLY – HYDRAULIC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001268891	Ref	Hydraulic Motor	B
1	70030054	1	Ring, Snap	
2	70030055	1	Shim	
3	70030056	1	Seal, Shaft	
4	70030057	1	Plug (Includes Item 5)	
5	70030058	1	O-Ring	
7	70030059	1	Threaded Rod M16 x 70	
9	70030060	1	Nut M16	
10	70030061	1	Feed, Valve Assembly	
11	70030278	1	Switch, Valve Assembly	
100	70030063	1	Seal Kit	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-20. PUMP ASSEMBLY - CHARGE



ART_1001243724-B

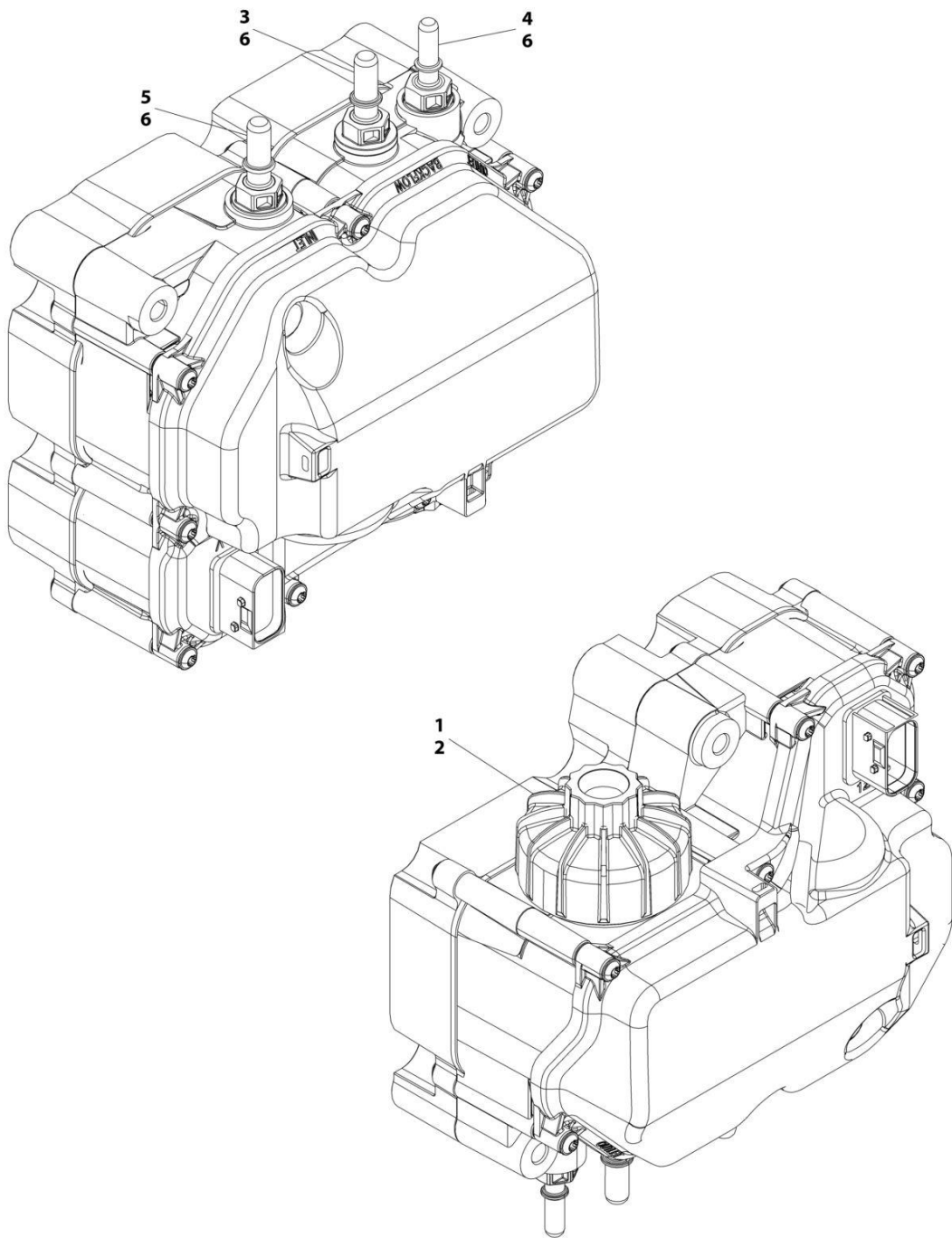
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-20. PUMP ASSEMBLY - CHARGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243724	Ref	Charge Pump	B
	70006356	1	Seal kit	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-21. PUMP ASSEMBLY - DEF MODULE



ART_1001213210-A

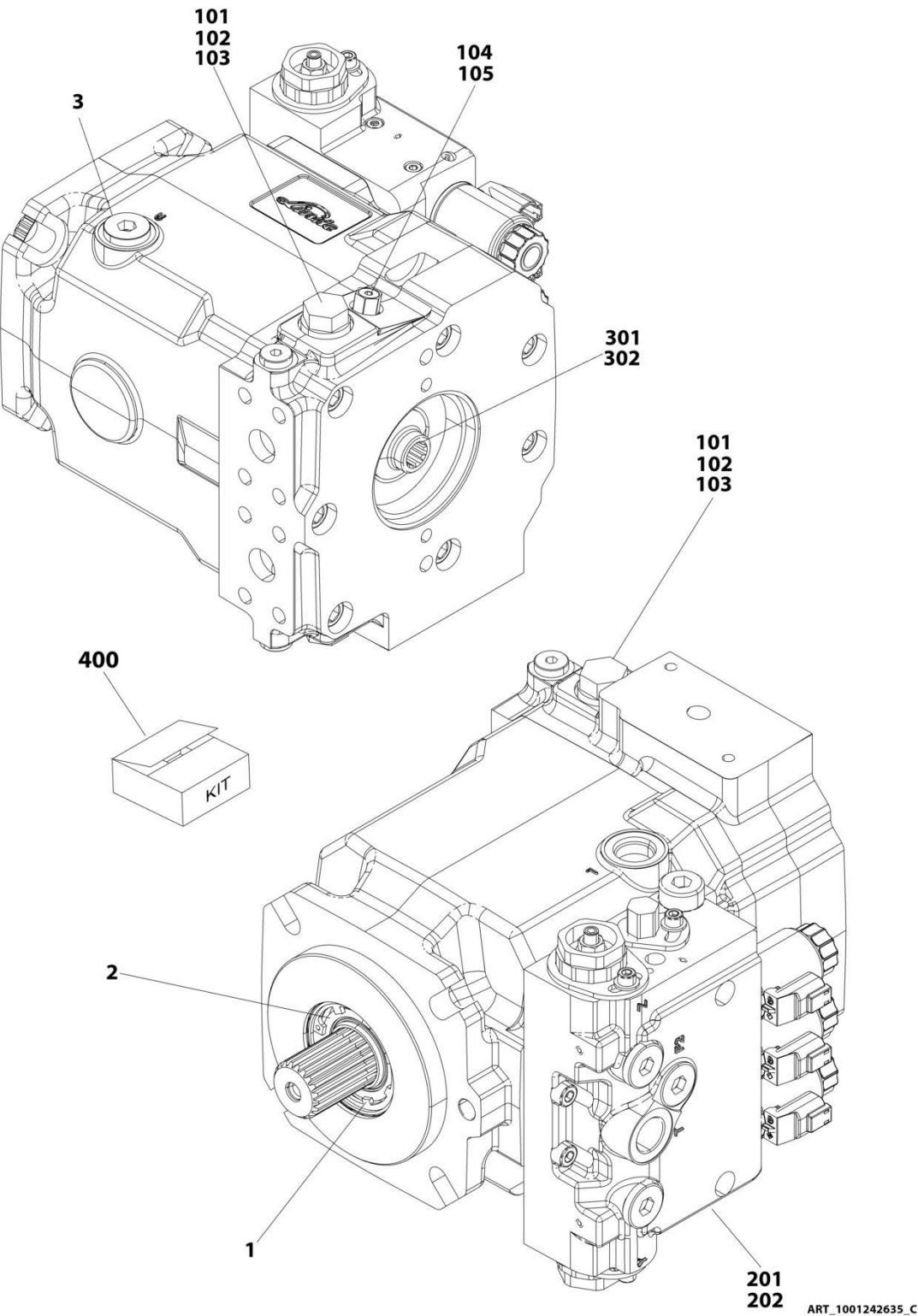
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-21. PUMP ASSEMBLY - DEF MODULE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001213210	Ref	DEF Module Pump	A
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 9 - HYDRAULIC COMPONENTS

FIGURE 9-22. PUMP ASSEMBLY - DRIVE



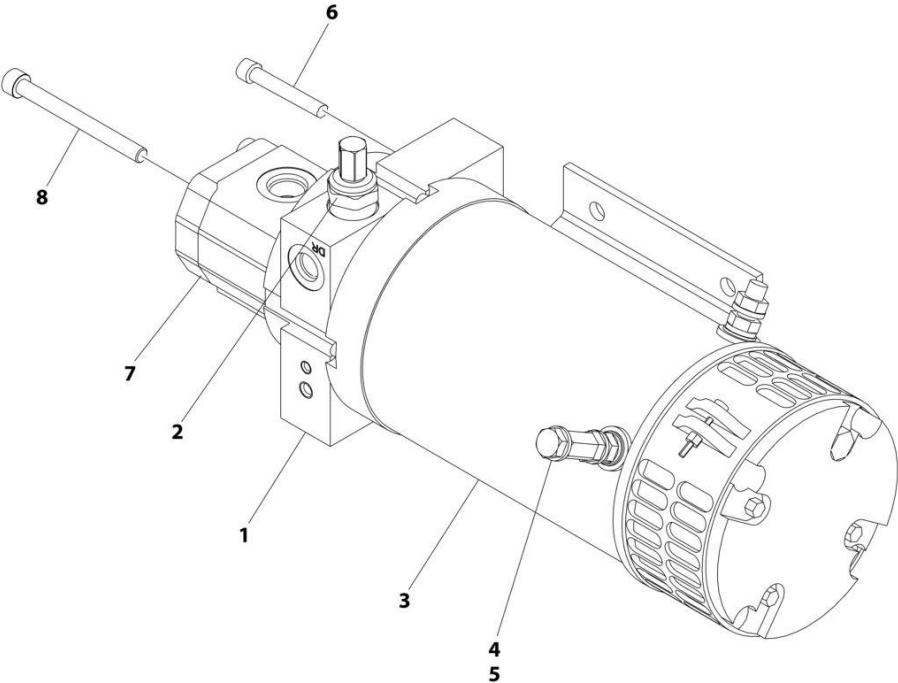
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-22. PUMP ASSEMBLY - DRIVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242635	Ref	Drive Pump	C
		Ref	Power Unit and Housing	
1	70030064	1	Ring, Locking	
2	70030065	1	Seal, Shaft	
3	70030066	1	Plug	
		Ref	Port Plate Housing	
101	70030067	2	O-Ring	
102	70030068	2	O-Ring	
103	70030069	2	Valve, Relief	
104	70030070	1	O-Ring	
105	70030071	1	Valve, Relief	
		Ref	E2 Remote Control	
201	70030077	1	Control Assembly	
202	70030078	4	Screw M8 x 30	
		Ref	Cover and Coupling	
301	70030079	1	O-Ring	
302	70030080	1	Sleeve, Coupling	
400	70030082	1	Seal Kit	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-23. PUMP/MOTOR ASSEMBLY - EMERGENCY LOWERING AUXILIARY



ART_1001162880

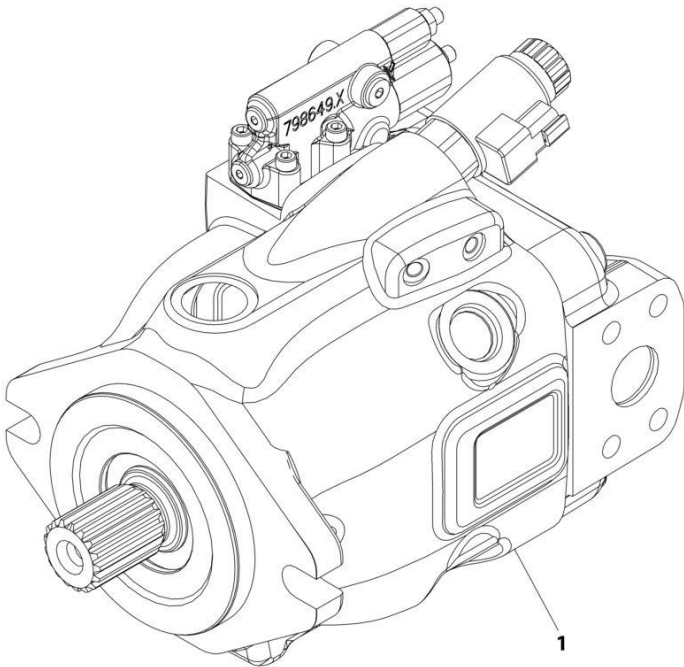
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-23. PUMP/MOTOR ASSEMBLY - EMERGENCY LOWERING AUXILIARY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001162880	Ref	AUXILIARY PUMP ASSEMBLY (WITHOUT COLD WEATHER PLUS PACKAGE)	A
1	1001164700	1	Base Assembly	
1	70005618	1	Plug	
1	70005617	1	Spring	
1	70005616	1	Poppet, Check	
2	1001164700	1	Valve, Relief	
3	See Note	1	Motor (Note: Not Available for Purchase)	
4	70004006	1	Nut 3/8	
5	70004007	1	Bolt 3/8x3/4	
6	70004005	4	Capscrew 1/4x3	
6	See Note	1	Sleeve (Note: Not Available for Purchase)	
7	See Note	1	Pump Assembly (Note: Not Available for Purchase)	
7	70005615	1	Seal, Shaft	
7	70005619	1	Bearing	
8	See Note	4	Screw M8 x 85 (Note: Not Available for Purchase)	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-24. PUMP ASSEMBLY - PISTON



ART_1001203793-C

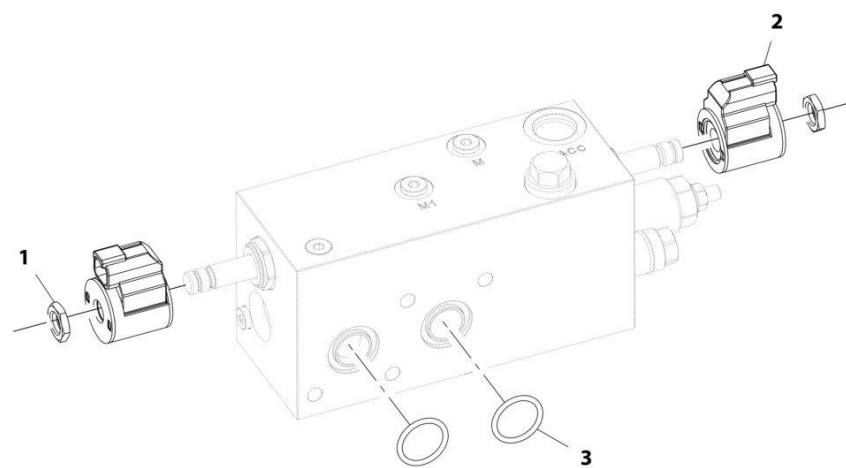
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-24. PUMP ASSEMBLY - PISTON

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001203793	Ref	Piston Pump Assembly	C
		Ref	Note: No Other Service Parts Available	
	70027595	1	Controller - DRS	
	70024186	1	Valve, EK Controller	
	70030305	1	Seal Kit (Includes Shaft Seal)	
	70030306	1	Seal, Shaft	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-25. VALVE ASSEMBLY - BOOM RAISE VALVE



ART_1001224945-C

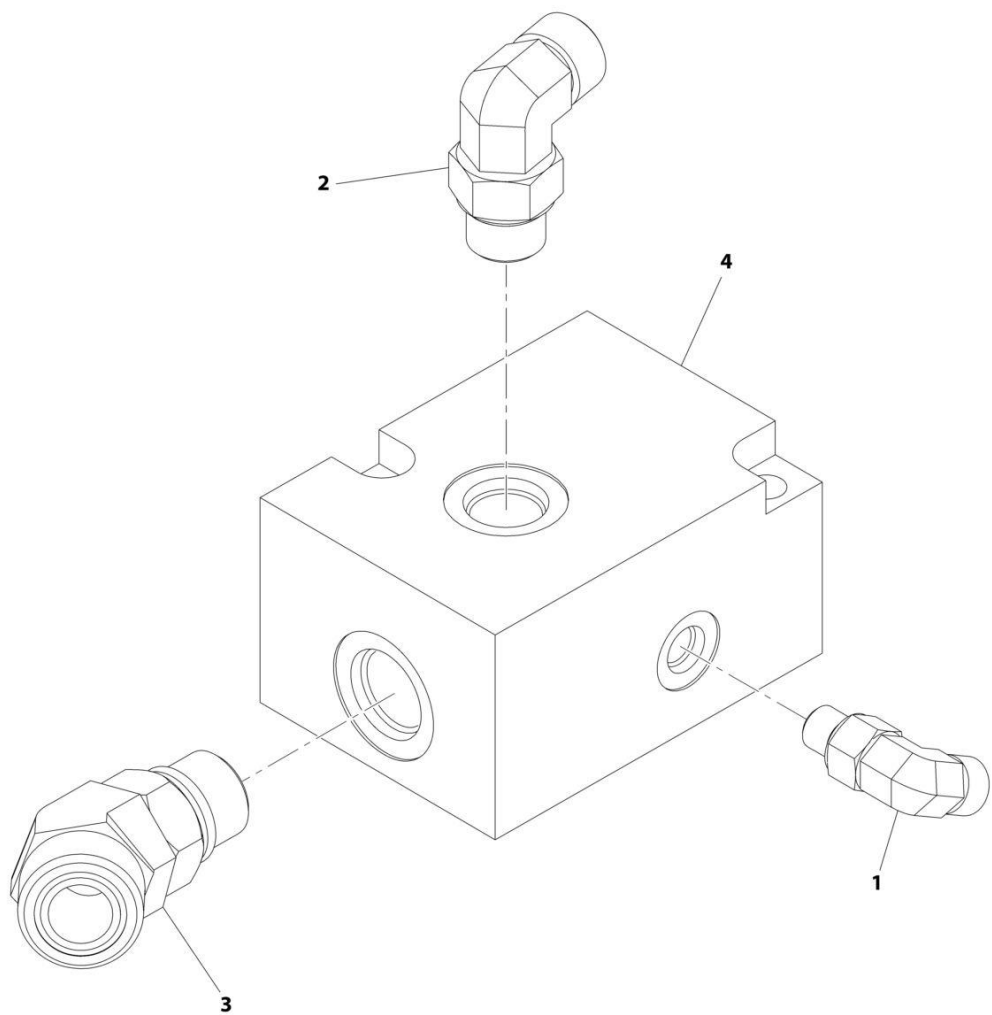
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-25. VALVE ASSEMBLY - BOOM RAISE VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001224945	Ref	Boom Raise Valve (Ride Control)	C
1	7022390	2	Nut	
2	70028281	2	Coil	
3	70028282	2	O-Ring	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-26. VALVE ASSEMBLY - CHARGE FLOW CONTROL VALVE ASSEMBLY



ART_1001244407

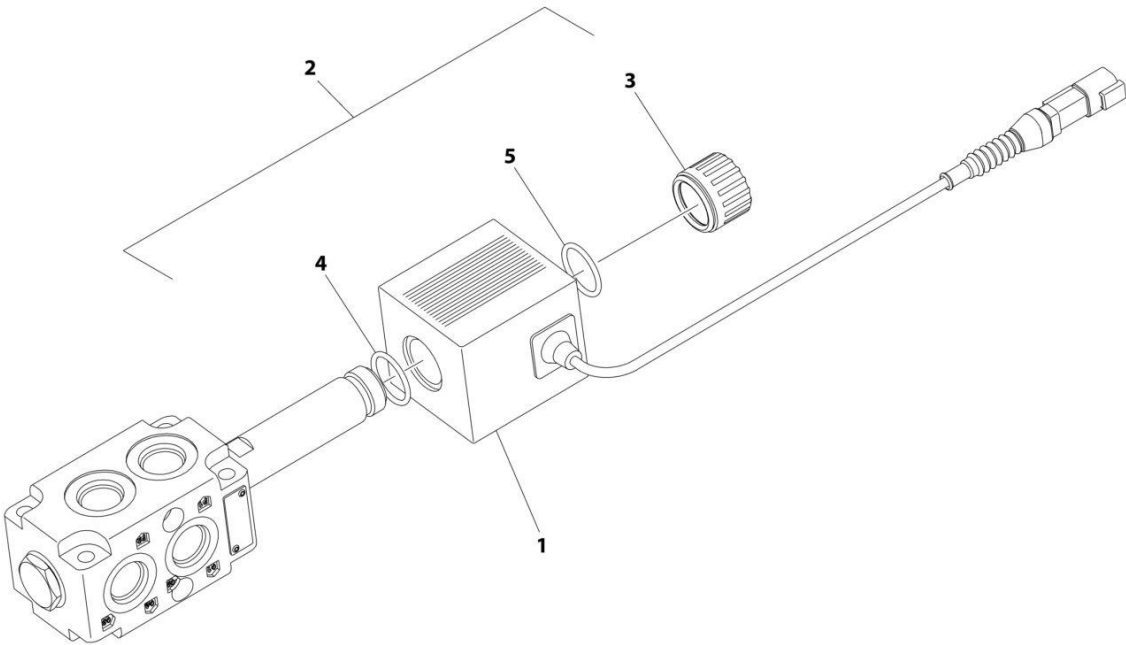
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-26. VALVE ASSEMBLY - CHARGE FLOW CONTROL VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244407	Ref	Charge Flow Control Valve Assembly	B
1	2130404	1	Fitting, 90 ORFS	
2	2130808	1	Fitting, 90 ORFS	
3	2151210	1	Fitting, 45 ORFS	
4	1001244406	1	Valve, Change Flow Control	
4	7011367	1	Seal Kit	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-27. VALVE ASSEMBLY - DIVERTOR VALVE



ART_1001104477

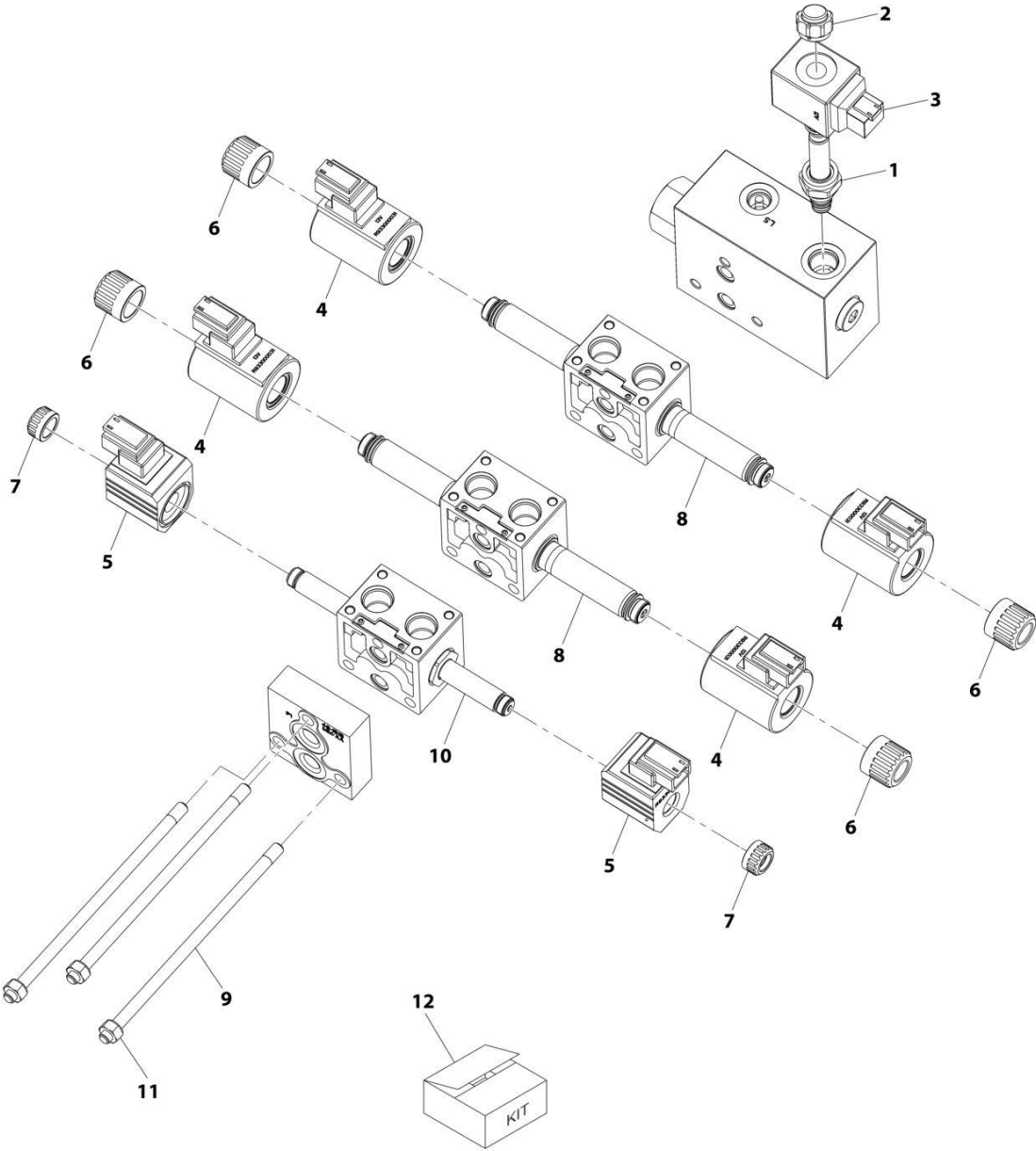
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-27. VALVE ASSEMBLY - DIVERTOR VALVE

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 9-28. VALVE ASSEMBLY - LEVEL AND STABILIZATION VALVE



ART_1001157972-F

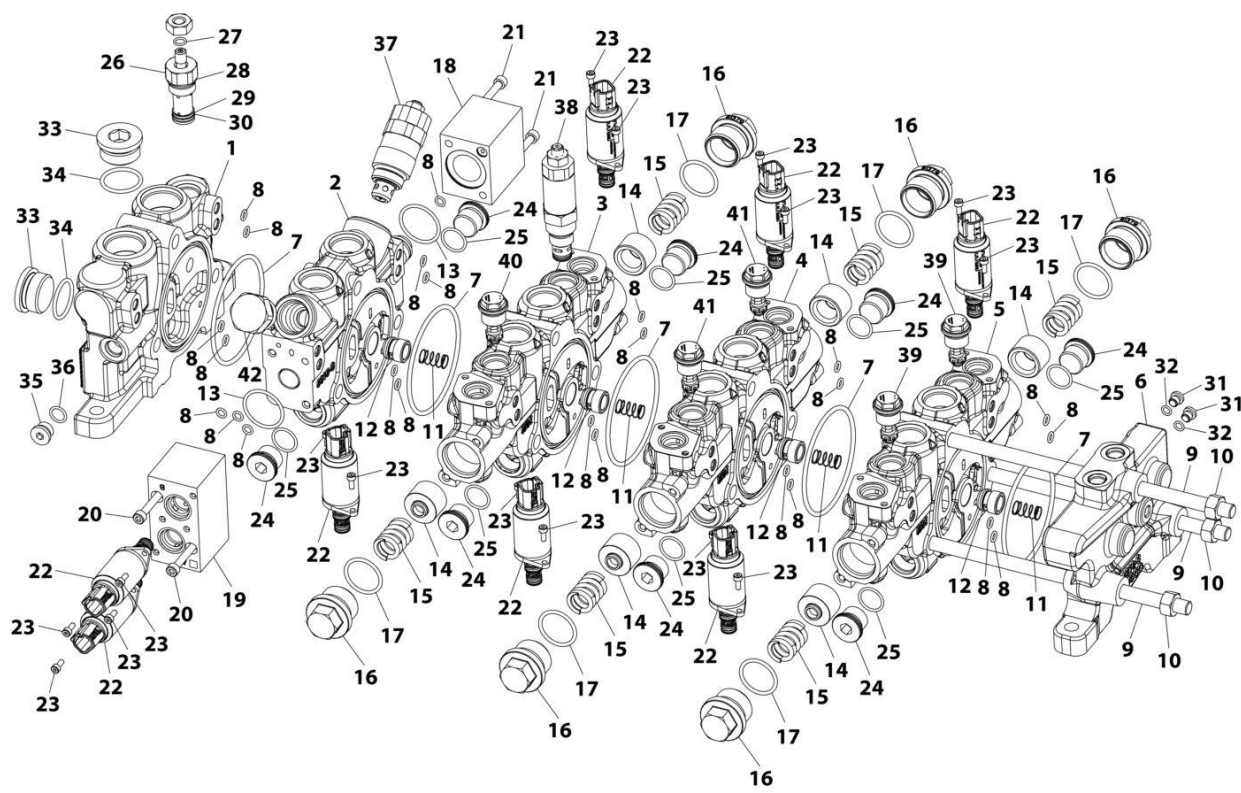
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-28. VALVE ASSEMBLY - LEVEL AND STABILIZATION VALVE

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 9-29. VALVE ASSEMBLY - MAIN CONTROL VALVE



ART_1001242634-C

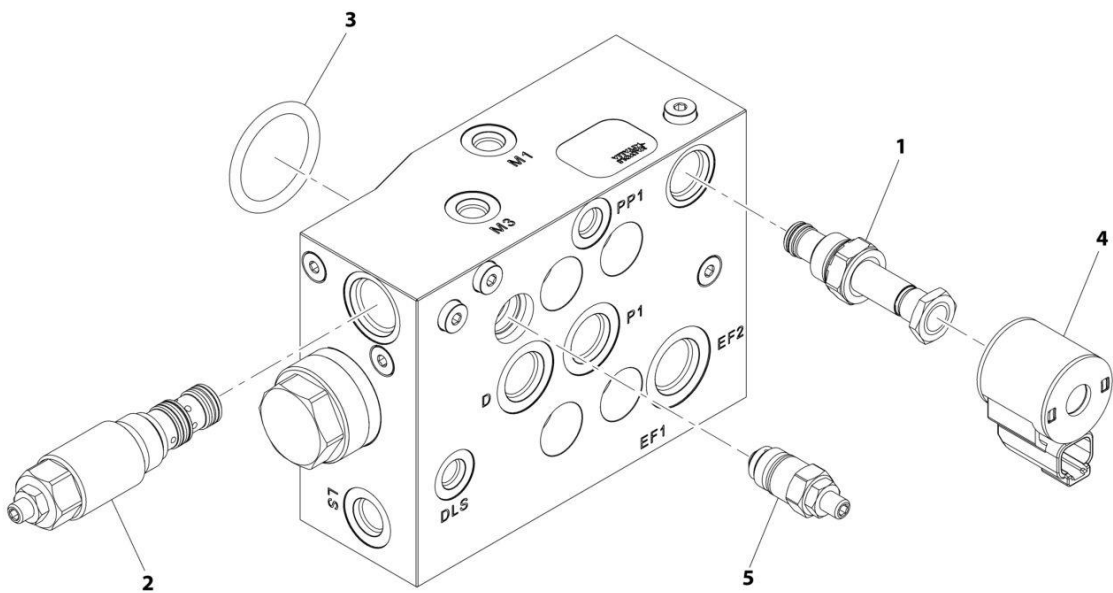
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-29. VALVE ASSEMBLY - MAIN CONTROL VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242634	Ref	MAIN CONTROL VALVE	C
1	70028300	1	Inlet Section Assembly	
2	70030240	1	Lift Section Assembly	
3	70030241	1	Tilt Section Assembly	
4	70030242	1	Auxiliary Section Assembly	
5	70029872	1	Extend/Retract Section Assembly	
6	70022007	1	Outlet Section Assembly	
7	8034697	5	O-Ring	
8	70026369	24	O-Ring	
9	70028299	3	Tie Rod	
10	70022019	6	Nut	
11	70025854	4	Spring	
12	70028287	4	Poppet, CV	
13	70026784	2	O-Ring	
14	70026781	6	Spring Seat	
15	70026783	6	Spring	
16	70026778	6	Plug Assembly	
17	70026779	6	O-Ring	
18	70029873	1	End Cap	
19	70030243	1	End Cap Assembly, Solenoid	
20	70026785	2	Screw	
21	70026383	2	Screw	
22	70029874	8	Cartridge Valve, Solenoid	
23	70022014	16	Screw	
24	70024847	8	Plug Assembly	
25	70026777	8	O-Ring	
26	70028286	1	Drain Regulator Assembly	
27	70026373	1	O-Ring	
28	10837928	1	O-Ring	
29	70026376	1	Ring	
30	70026370	1	O-Ring	
31	70026379	2	Plug	
32	70026372	2	O-Ring	
33	70050473	2	Plug	
34	10732931	2	O-Ring	
35	70050475	1	Plug	
36	70024201	1	O-Ring	
37	70030244	1	Relief Valve Assembly	
38	70030245	1	Relief Valve Assembly	
39	70028296	2	Relief Valve Assembly	
40	70028297	1	Relief Valve Assembly	
41	70030246	2	Relief Valve Assembly	
42	10837953	1	Shut -Off Plug	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-30. VALVE ASSEMBLY - PRIORITY VALVE



ART_1001266710

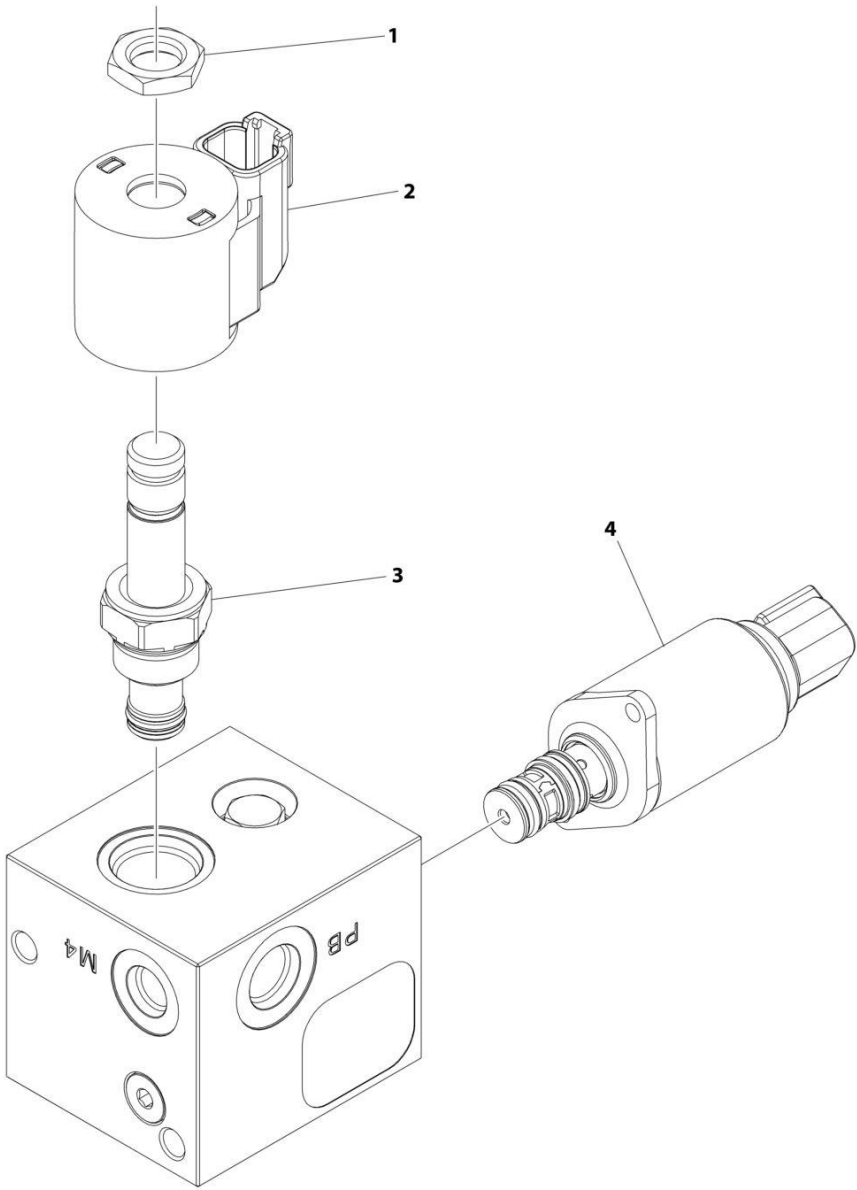
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-30. VALVE ASSEMBLY - PRIORITY VALVE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266710	Ref	Priority Valve	A
1	70029976	1	Cartridge	
2	70029977	1	Valve, Check	
3	70029978	1	O-Ring	
4	70002963	1	Coil	
5	70029979	1	Valve, Check	

SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-31. VALVE ASSEMBLY - SAHR BRAKE VALVE



ART_1001234127

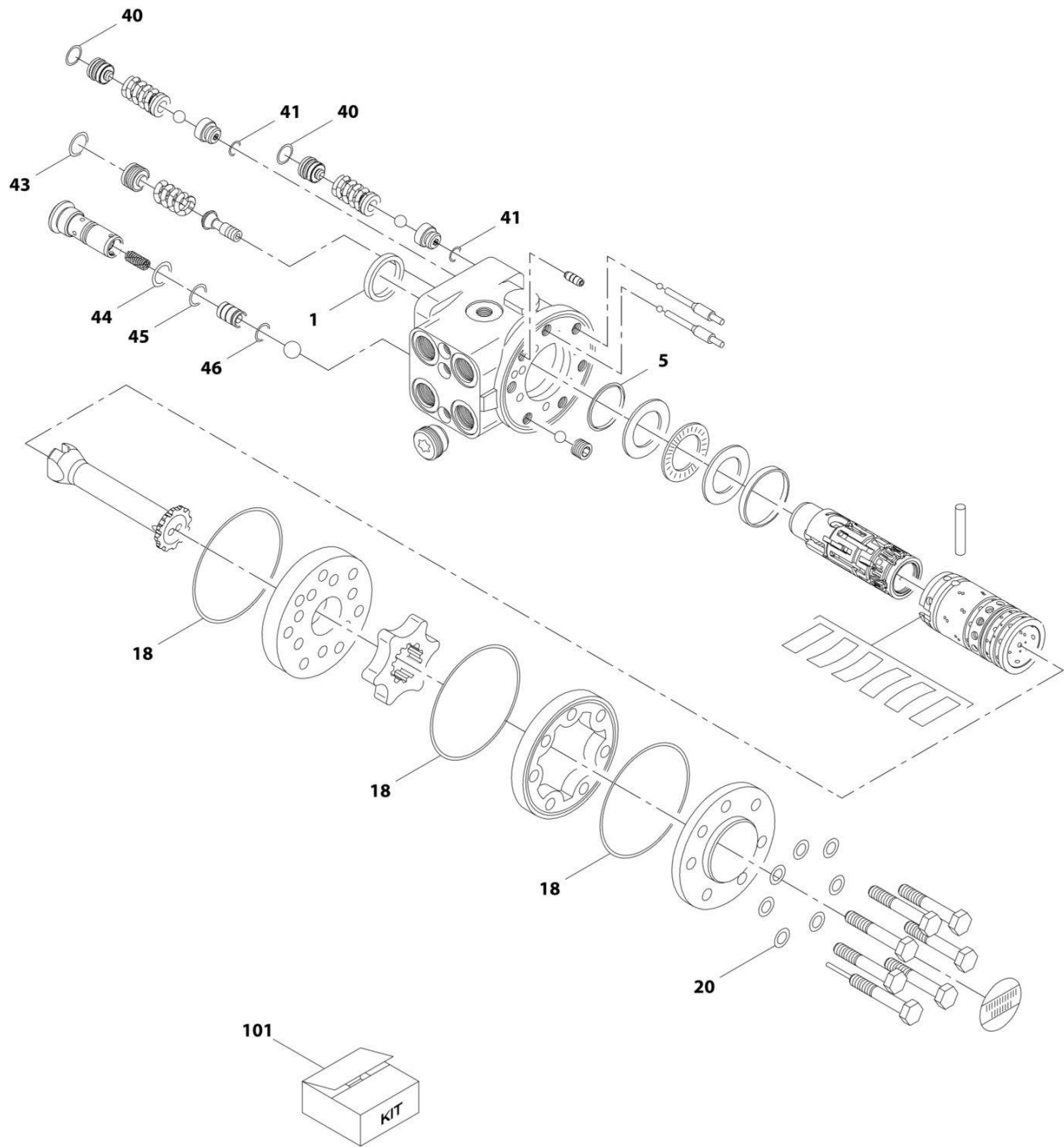
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-31. VALVE ASSEMBLY - SAHR BRAKE VALVE

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 9-32. VALVE ASSEMBLY - STEER



ART_1001178670-B

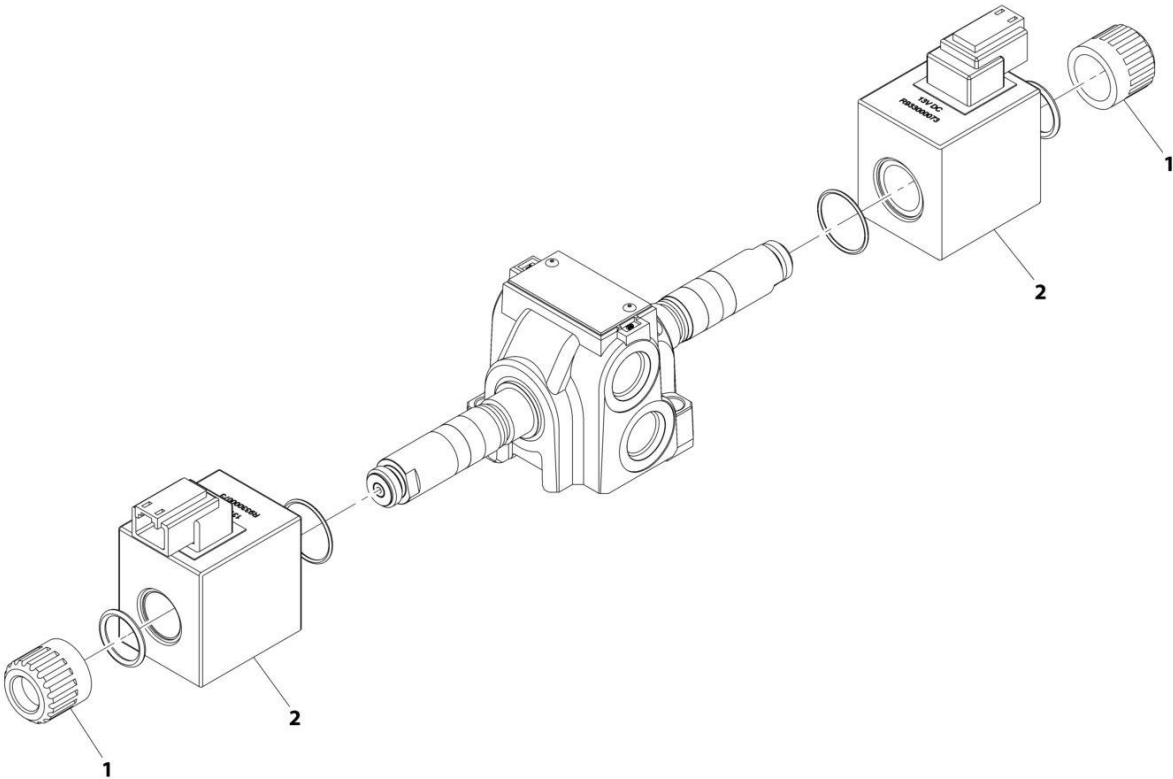
SECTION 9 - HYDRAULIC COMPONENTS

FIGURE 9-32. VALVE ASSEMBLY - STEER

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 9-33. VALVE ASSEMBLY - STEERING SELECT



ART_1001153748-C

SECTION 9 - HYDRAULIC COMPONENTS

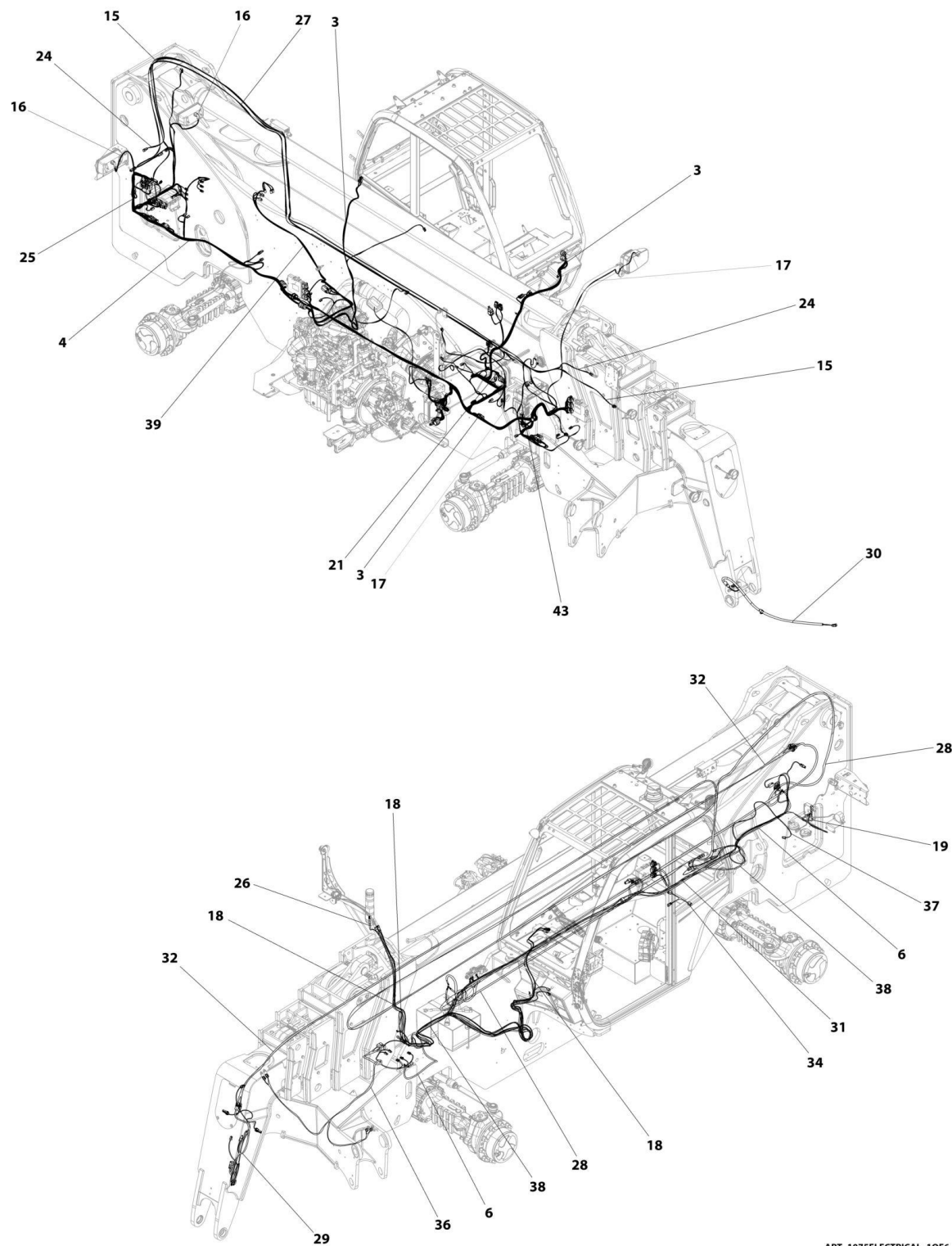
FIGURE 9-33. VALVE ASSEMBLY - STEERING SELECT

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

SECTION 10 - ELECTRICAL

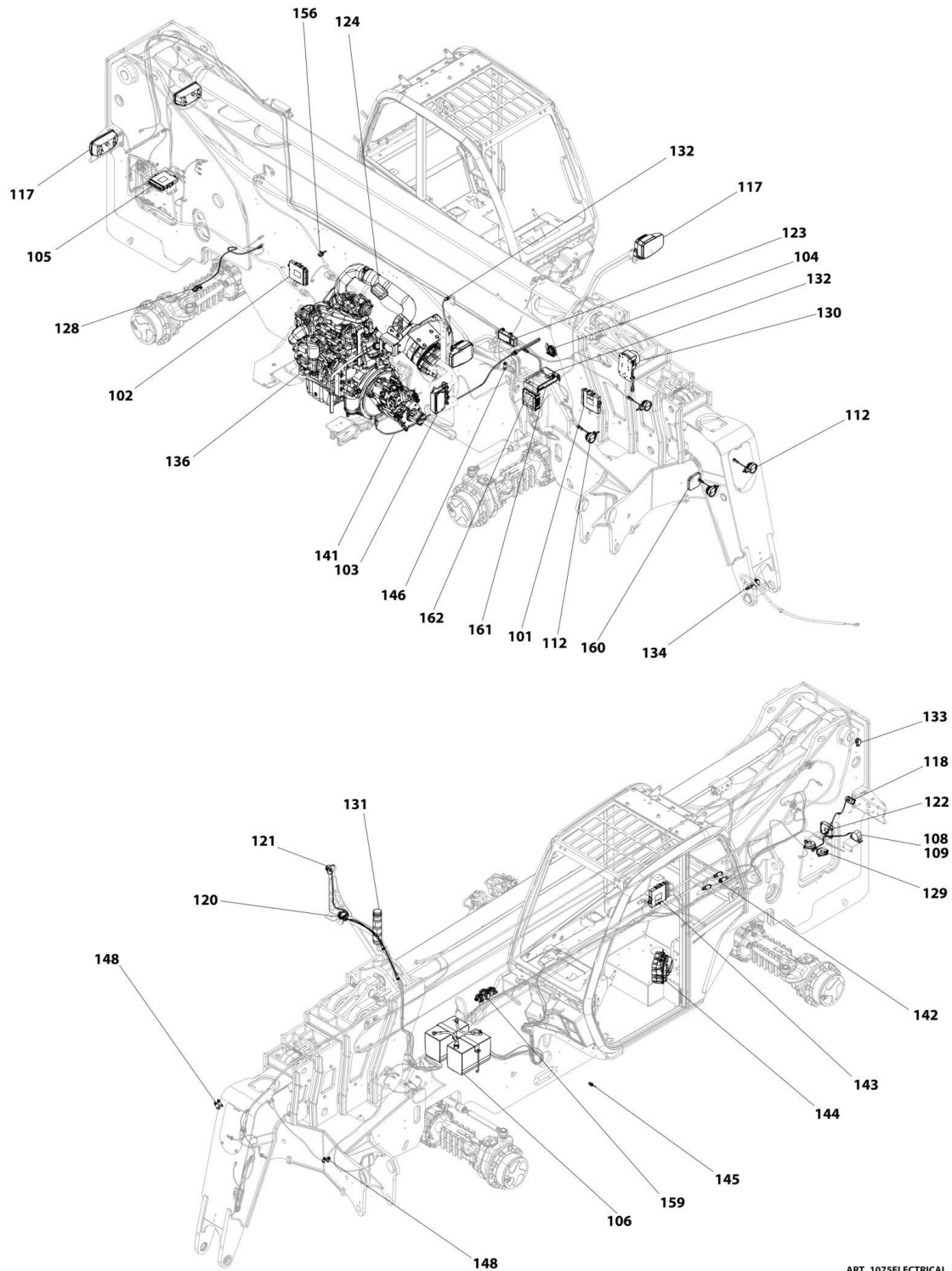
SECTION 10 - ELECTRICAL

FIGURE 10-1. 1075 ELECTRICAL LAYOUT



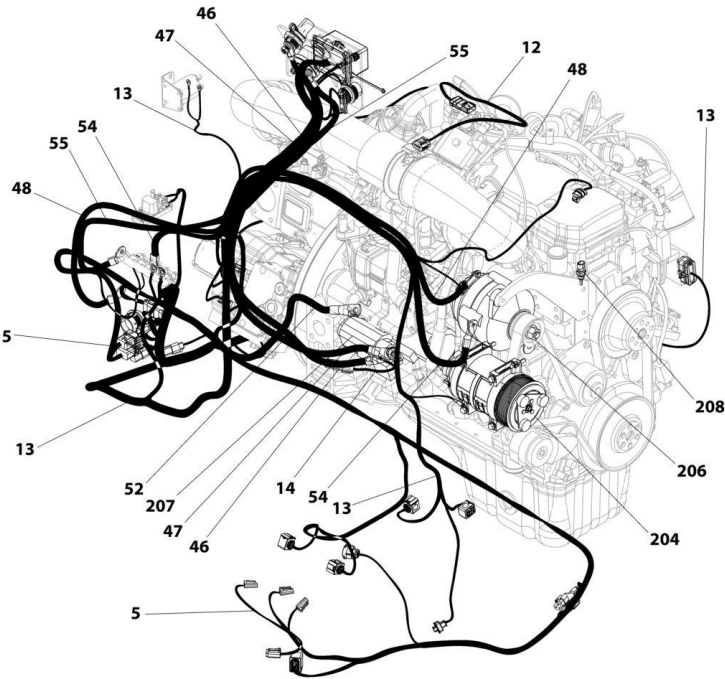
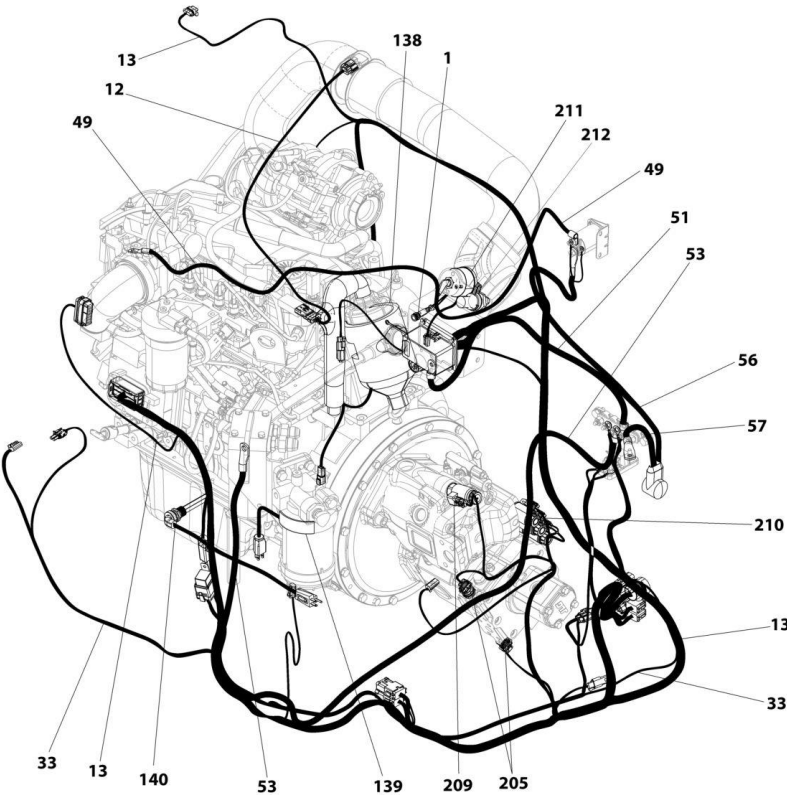
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SECTION 10 - ELECTRICAL



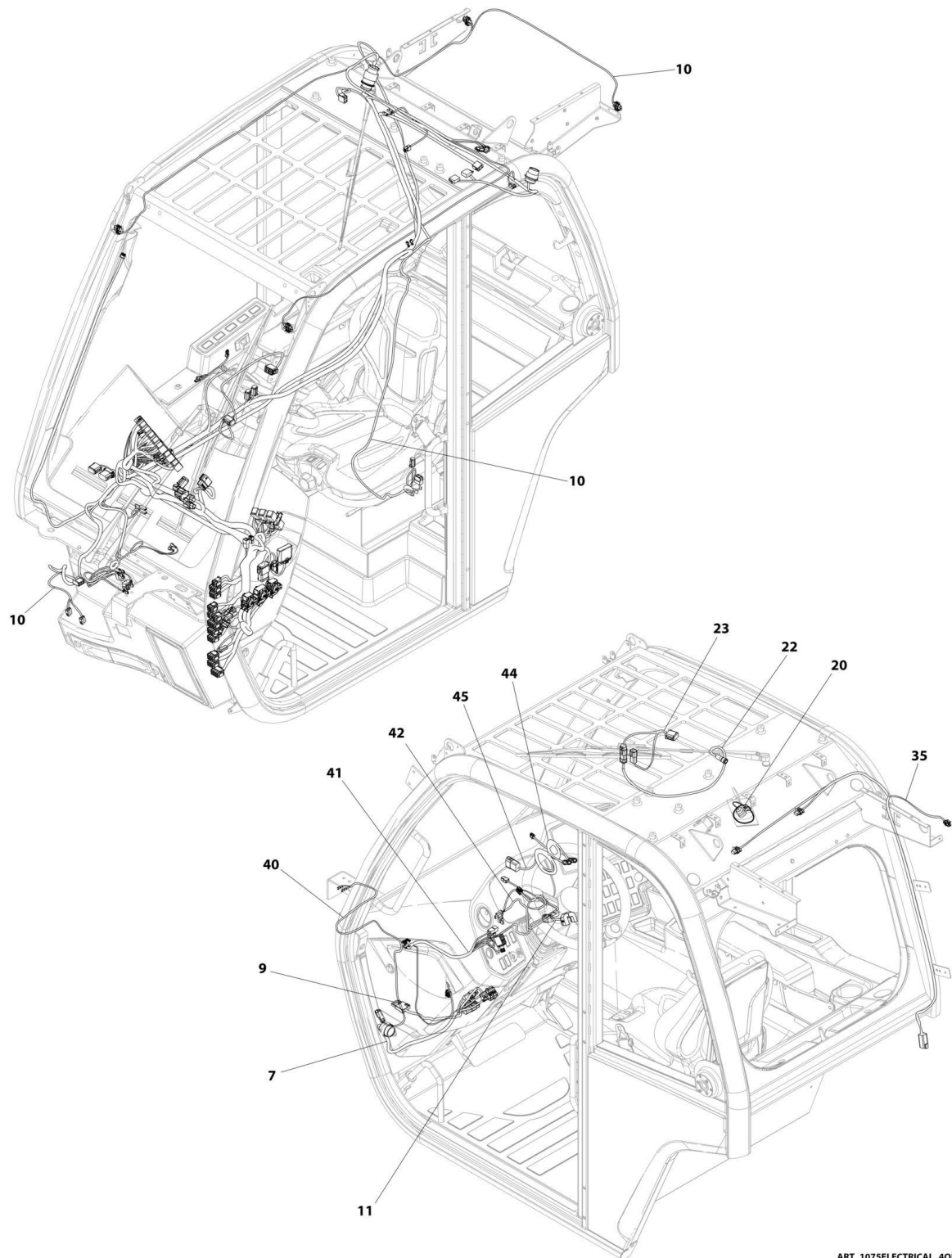
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SECTION 10 - ELECTRICAL



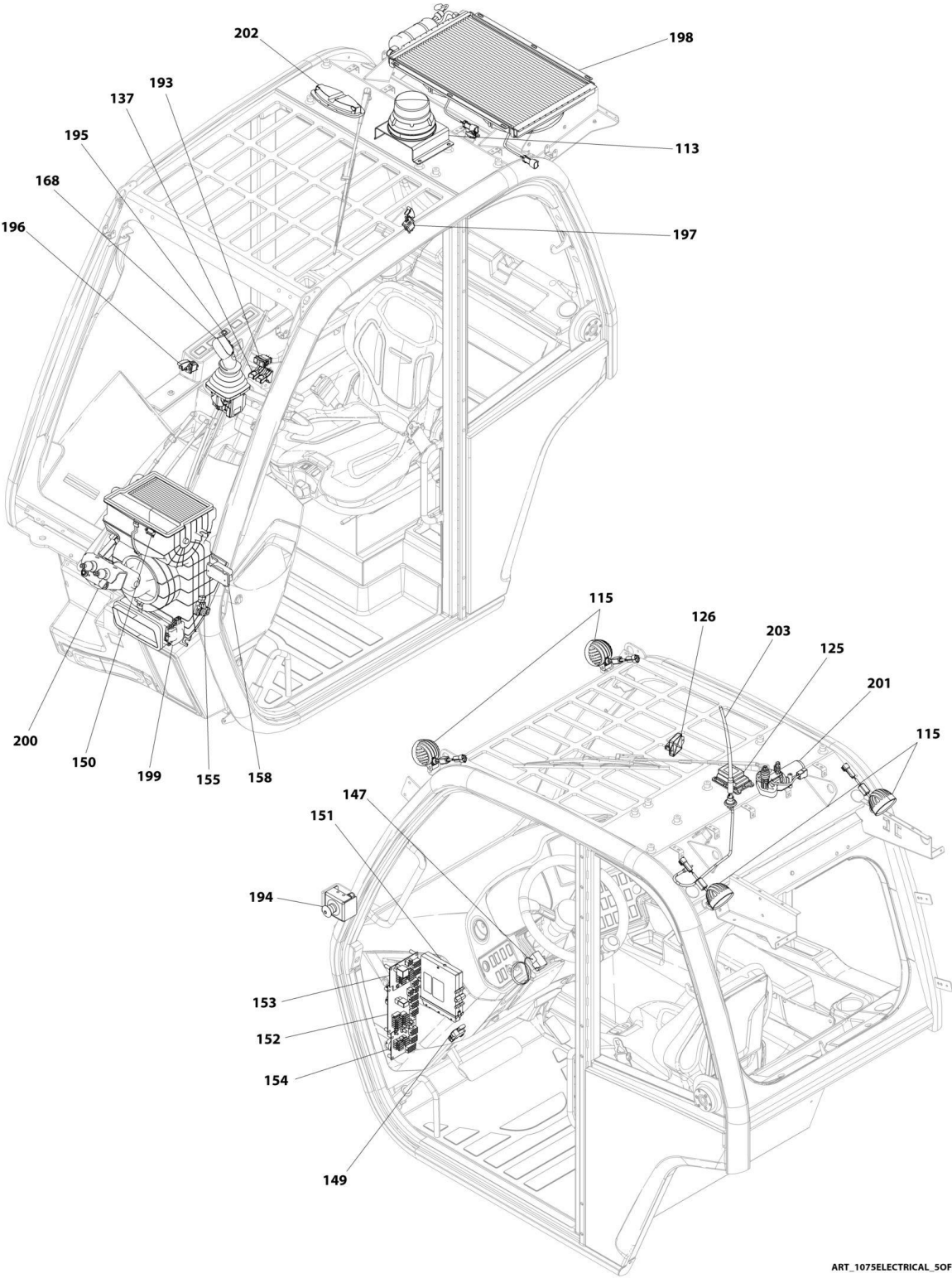
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SECTION 10 - ELECTRICAL



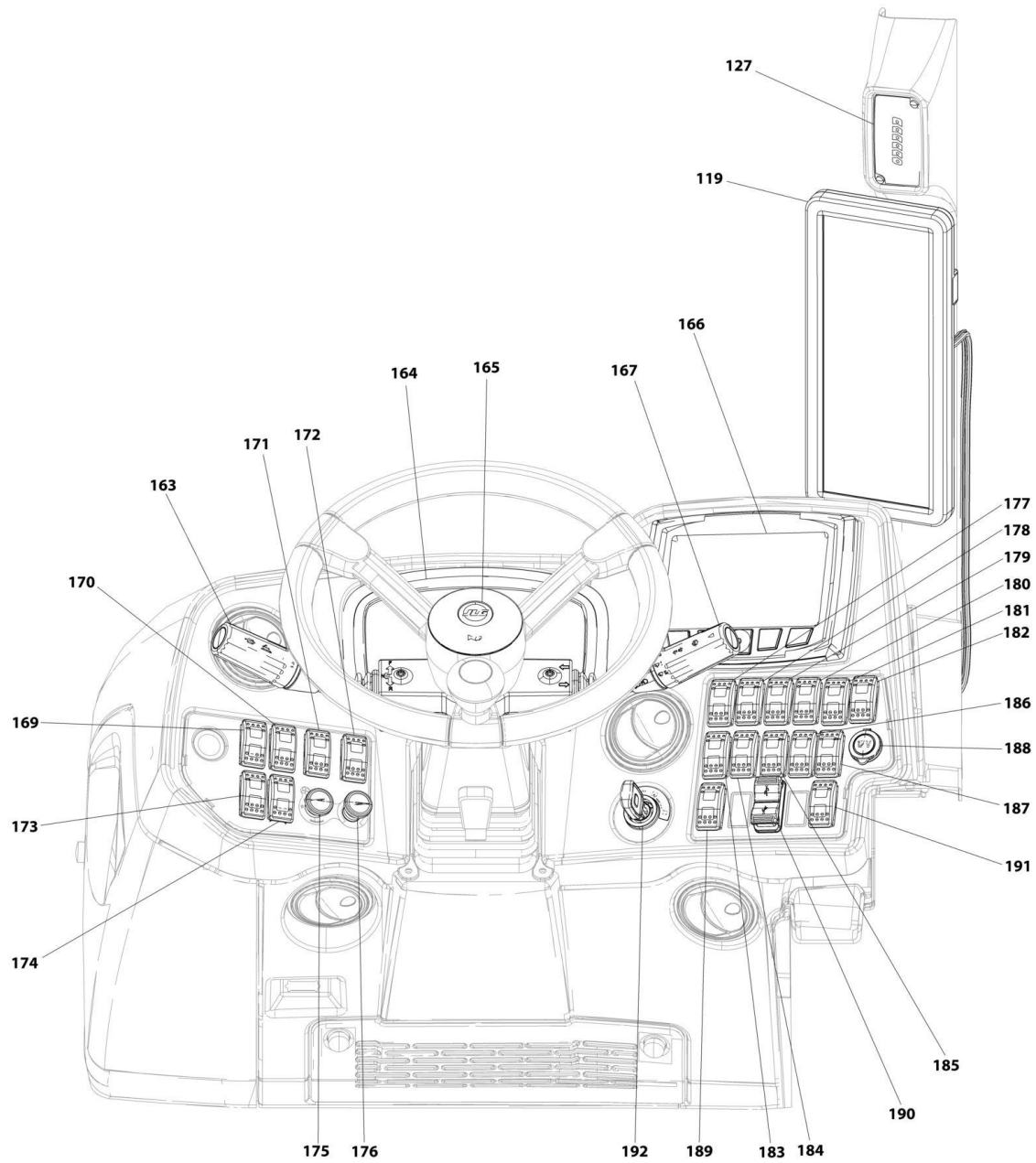
ART_1075ELECTRICAL_40F6

SECTION 10 - ELECTRICAL



ART_1075ELECTRICAL_50F6

SECTION 10 - ELECTRICAL



ART_1075ELECTRICAL_60F6

SECTION 10 - ELECTRICAL

FIGURE 10-1. 1075 ELECTRICAL LAYOUT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	HARNESS LIST	
		Ref	Note: This figure is for part identification only.	
1		Ref	Harness, DEF Purge Light	
3		Ref	Harness, Front Frame	
4		Ref	Harness, Rear Frame	
5		Ref	Harness, Cummins Engine	
6		Ref	Harness, Front Frame Power	
7		Ref	Harness, Cab Option	
9		Ref	Cable, Communication Analyzer	
10		Ref	Harness, Cab	
11		Ref	Harness, Ignition Switch	
12		Ref	Harness, TBAP	
13		Ref	Harness, Engine	
14		Ref	Harness, Starter Solenoid Jumper	
15		Ref	Harness, Boom Worklights	
16		Ref	Harness, Tailights	
17		Ref	Harness, Headlights	
18		Ref	Cable, Right Side Camera Extension	
19		Ref	Harness, Reverse Sensor	
20		Ref	Harness, Telematics Ready	
21		Ref	Harness, Clearsky	
22		Ref	Harness, Telematics	
23		Ref	Harness, Xirgo Jumper	
24		Ref	Harness, LMIS Boom	
25		Ref	Harness, Platform Ready	
26		Ref	Harness, LMIS Beacon Option	
27		Ref	Harness, Soft Stop	
28		Ref	Harness, Frame to Boom	
29		Ref	Harness, Platform	
30		Ref	Harness, Tilt Sensor Jumper	
31		Ref	Cable, Reverse Camera	
32		Ref	Harness, Boom	
33		Ref	Harness, ASOV	
34		Ref	Harness, Seat Adaptor	
35		Ref	Harness, A/C Option	
36		Ref	Harness, Outrigger	
37		Ref	Harness, Boom Ride/Float	
38		Ref	Harness, LMIS Chassis Option	
39		Ref	Harness, Rear Axle Stabilizer	
40		Ref	Harness, Emergency Stop	
41		Ref	Harness, HVAC Actuator	
42		Ref	Harness, HVAC Sensor	
43		Ref	Harness, Attachment Recognition	
44		Ref	Cable, Display Programming	
45		Ref	Cable, Display Video	
46		Ref	Cable, Starter to Battery Disconnect	
47		Ref	Cable, Starter to Remote B+	
48		Ref	Cable, PDM to ALT+	
49		Ref	Cable, Grid Heater	
50		Ref	Cable, PDM to Power Fuse Module	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
51		Ref	Cable, Ground Buss to Remote Ground	
52		Ref	Cable, Starter Ground	
53		Ref	Cable, Engine Ground	
54		Ref	Cable, Alt Ground	
55		Ref	Cable, Battery Disconnect to PDM	
56		Ref	Cable, PDM to Grid Heater	
		Ref	COMPONENT LIST	
		Ref	Note: This figure is for part identification only.	
101		Ref	Module, Front Frame	
102		Ref	Module, Transmission	
103		Ref	Box, Power Distribution Electrical	
104		Ref	Horn	
105		Ref	Module, Rear Frame	
106		Ref	Batteries	
108		Ref	Alarm, Backup	
109		Ref	Alarm, Backup (White Noise)	
110		Ref	Dash Electrics	
112		Ref	Worklights	
113		Ref	Beacon	
115		Ref	Cab Worklights	
117		Ref	Road Lights	
118		Ref	Camera, Reverse	
119		Ref	Display, Camera	
120		Ref	Camera, Normal View	
121		Ref	Camera, Mirror View	
122		Ref	Sensor, Reverse	
123		Ref	Module, ClearSky Telematics CANBUS	
124		Ref	Antennae, ClearSky Telematics	
125		Ref	Module, ClearSky Telematics 3-Wire	
126		Ref	Voltage Regulator, ClearSky Telematics	
127		Ref	Display, LSI	
128		Ref	Sensor, Rear Axle	
129		Ref	Sensor, Tilt	
130		Ref	Sensor, Boom Length	
131		Ref	Light, LMIS Beacon	
132		Ref	Sensor, Proximity	
133		Ref	Sensor, Boom Angle	
134		Ref	Sensor, Tilt Dual Axis	
136		Ref	Engine	
137		Ref	Control, Fingertip Joystick	
138		Ref	Breather Tube Heater	
139		Ref	Fuel Filter Heater Pad	
140		Ref	Heater, Engine Block	
141		Ref	Heater, Immersion	
142		Ref	Sensor, LMIS Pressure	
143		Ref	Module, LMIS	
144		Ref	Pump, DEF Module	
145		Ref	Sensor, Hydraulic Oil Temperature	
146		Ref	Sensor, LMIS Tilt Pressure Transducer	
147		Ref	Sensor, HVAC Thermostat	
148		Ref	Sensor, LMIS O/R Pressure Transducer	

SECTION 10 - ELECTRICAL

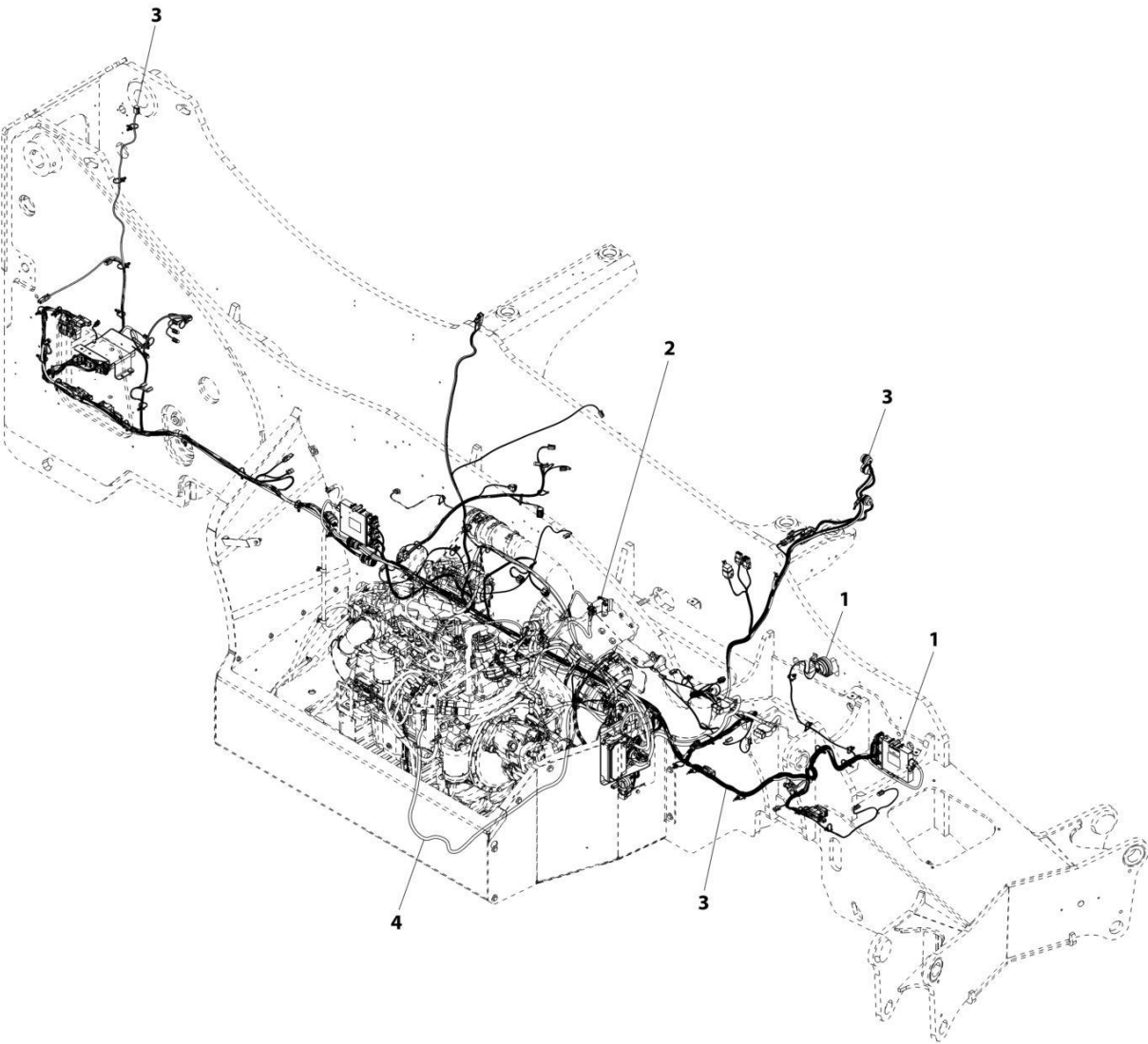
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
149		Ref	Switch, Brake Light	
150		Ref	Valve, HVAC Water Sensor	
151		Ref	Module, Cab	
152		Ref	Electrical Board, Standard	
153		Ref	Electrical Board, Option 1	
154		Ref	Electrical Board, Option 2	
155		Ref	Sensor, Brake	
156		Ref	Sensor, Coolant Level	
158		Ref	HVAC Actuator	
159		Ref	Valve, Speed Control	
160		Ref	Antenna, Attachment Recognition	
161		Ref	Receiver, Attachment Recognition	
162		Ref	Module, Attachment Recognition Voltage Control	
163		Ref	Lever, Transmission Control	
164		Ref	Instrument Panel	
165		Ref	Horn	
166		Ref	Multifunction Display	
167		Ref	Lever, Accessory Control	
168		Ref	Joystick	
169		Ref	Switch, Park Brake	
170		Ref	Switch, Continuous Auxiliary Hydraulic	
171		Ref	Switch, Air Conditioning	
172		Ref	Switch, HVAC Recirculation	
173		Ref	Switch, LSI Override	
174		Ref	Switch, Coupler	
175		Ref	HVAC Fan Speed	
176		Ref	Switch, HVAC Temperature Control	
177		Ref	Switch, Fog Lights	
178		Ref	Switch, Front Work Lights	
179		Ref	Switch, Boom Work Lights	
180		Ref	Switch, Rear Work Lights	
181		Ref	Switch, Beacon Light	
182		Ref	Switch, Hazard Lights	
183		Ref	Switch, Rear Wiper	
184		Ref	Switch, Roof Wiper	
185		Ref	Switch, Auxiliary Electric	
186		Ref	Switch, Boom Ride Control	
187		Ref	Switch, Auxiliary Decompression	
188		Ref	Power Outlet	
189		Ref	Switch, Steer Select	
190		Ref	USB Port	
191		Ref	Switch, Master Light and Road Lights	
192		Ref	Switch, Ignition	
193		Ref	Switch, Frame Level	
194		Ref	Switch, Power/Emergency Stop	
195		Ref	Lamp, Air Shutoff Valve Indicator	
196		Ref	Switch, Air Shutoff Valve Emergency Stop	
197		Ref	Switch, Air Shutoff Valve Test	
198		Ref	Assembly, Cab Condenser	
199		Ref	Assembly, Heater & A/C	
200		Ref	Motor, Front Wiper	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
201		Ref	Motor, Roof Wiper	
202		Ref	Lamp, Dome	
203		Ref	Antenna, Radio	
204		Ref	Compressor, A/C	
205		Ref	Sensor, Hydrostatic Pump Pressure Transducer	
206		Ref	Alternator	
207		Ref	Starter	
208		Ref	Sensor, Engine Coolant Temperature	
209		Ref	Solenoid, Implement Pump	
210		Ref	Solenoid, Hydrostatic Transmission Pump	
211		Ref	Switch, Master Electrical	
212		Ref	Stud, Battery Jump Start	

SECTION 10 - ELECTRICAL

FIGURE 10-2. MAIN ELECTRICAL INSTALLATION



ART_1001207860-C

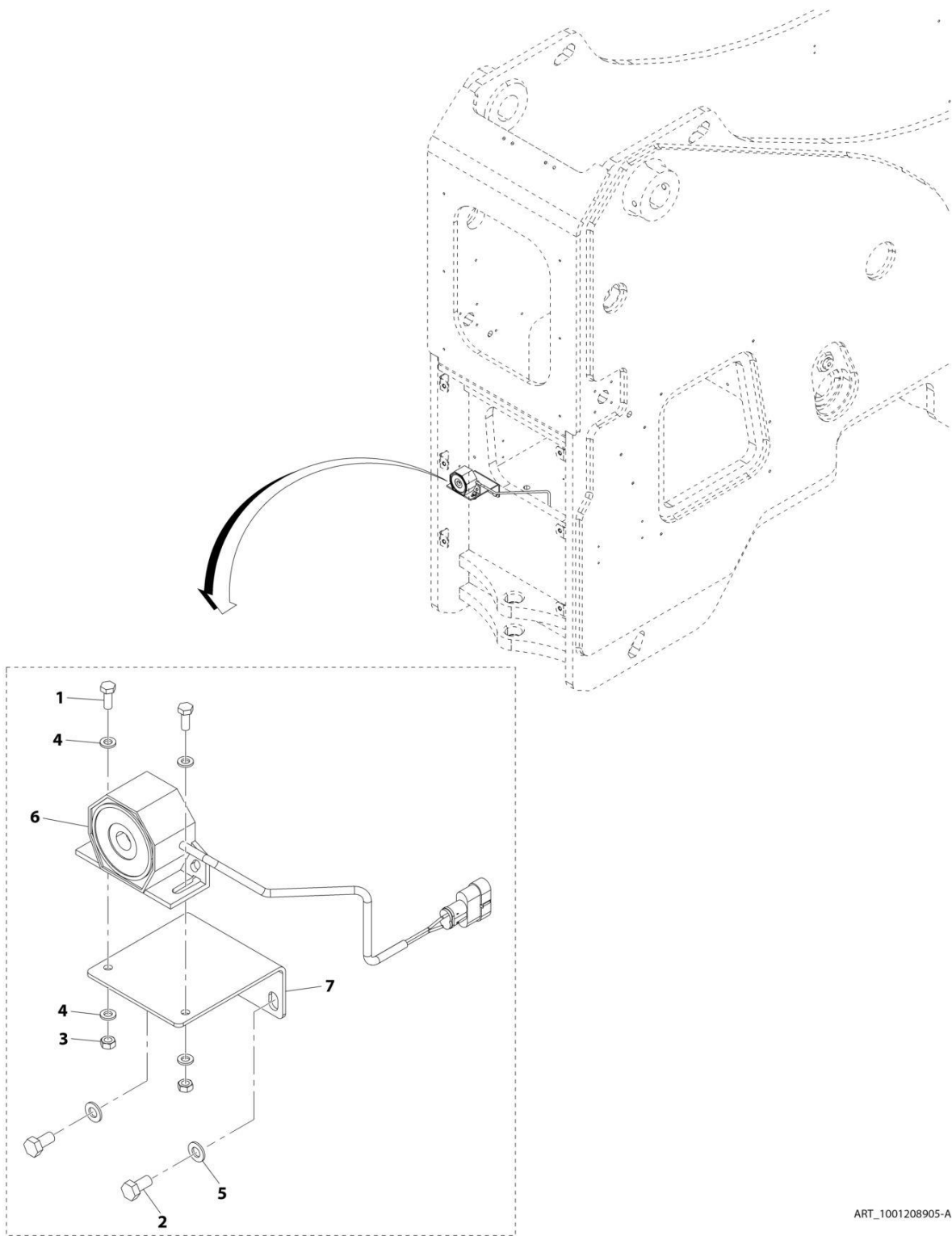
SECTION 10 - ELECTRICAL

FIGURE 10-2. MAIN ELECTRICAL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001207860	Ref	Main Electrical Installation	C
	1001201198	Ref	Frame Electrical Installation (See Separate Breakdown in this Section)	
2	1001201199	Ref	Engine Bay Electrical Installation (See Separate Breakdown in this Section)	
3	1001201200	Ref	Frame Wiring Installation (See Separate Breakdown in this Section)	
4	1001236674	Ref	Engine Bay Wiring Installation (See Separate Breakdown in this Section)	

SECTION 10 - ELECTRICAL

FIGURE 10-3. ALARM INSTALLATION - BACKUP



ART_1001208905-A

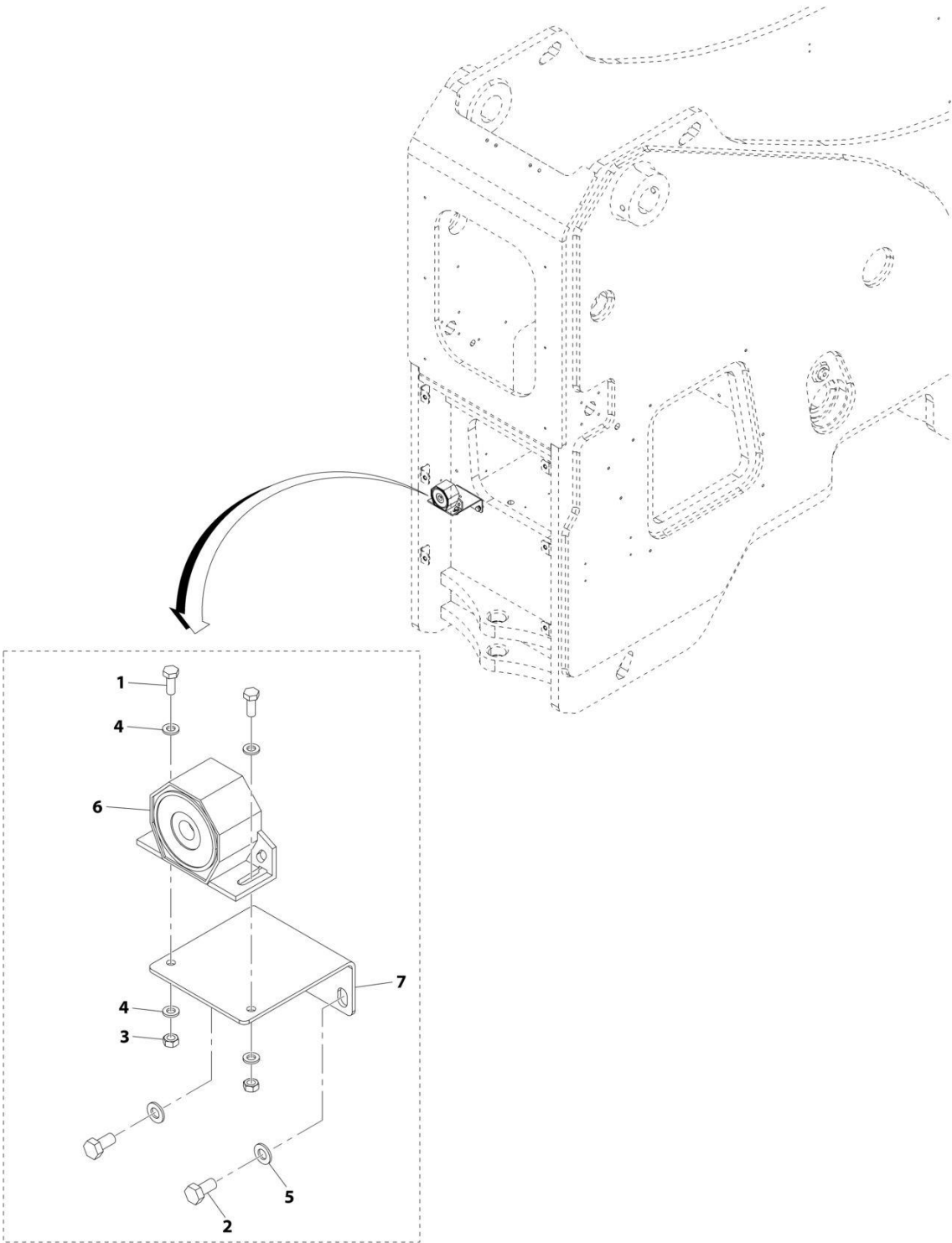
SECTION 10 - ELECTRICAL

FIGURE 10-3. ALARM INSTALLATION - BACKUP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001208905	Ref	Backup Alarm Installation	A
1	0760608	2	Bolt M6X16	
2	0760808	2	Bolt M8X16	
3	3290601	2	Nut M6	
4	4811700	4	Washer M6	
5	4811900	2	Washer M8	
6	1001101808	1	Alarm, Backup	
7	1001208904	1	Bracket	

SECTION 10 - ELECTRICAL

FIGURE 10-4. ALARM INSTALLATION - BACKUP (WHITE NOISE)



ART_1001250124-A

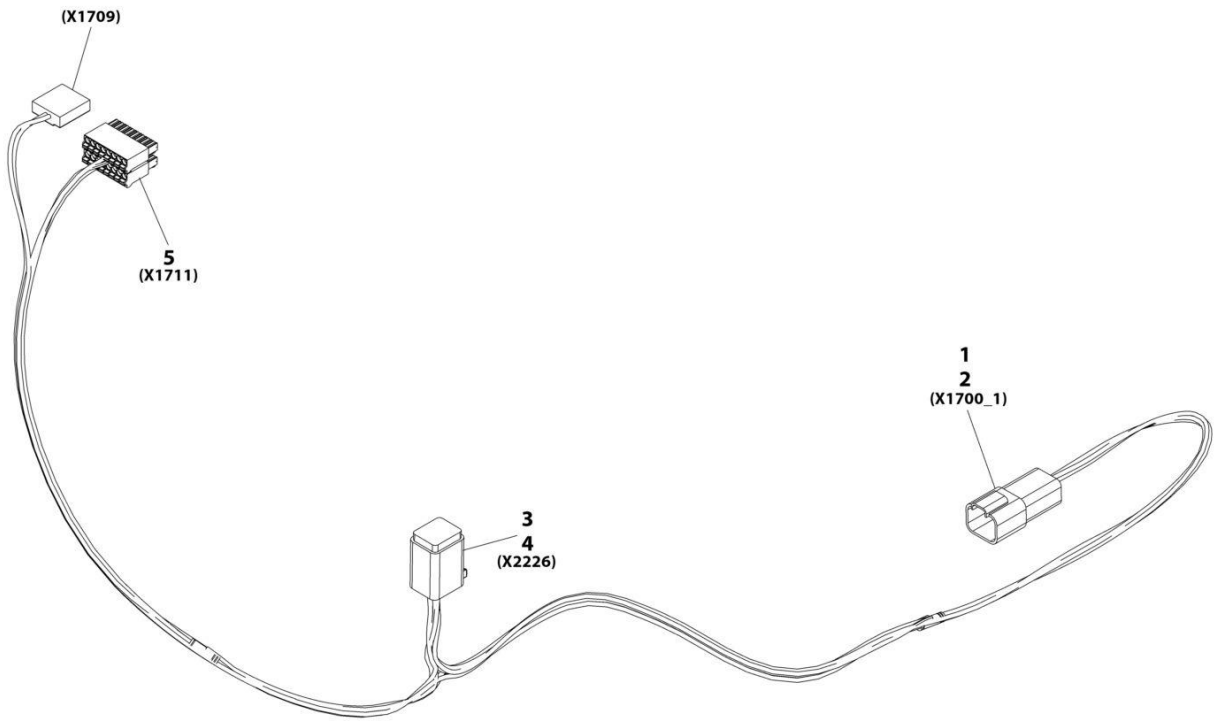
SECTION 10 - ELECTRICAL

FIGURE 10-4. ALARM INSTALLATION - BACKUP (WHITE NOISE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250124	Ref	Backup Alarm Installation (White Noise)	A
1	0760608	2	Bolt M6X16	
2	0760808	2	Bolt M8X16	
3	3290601	2	Nut M6	
4	4811700	4	Washer M6	
5	4811900	2	Washer M8	
6	1001165827	1	Alarm, Backup (White Noise)	
7	1001208904	1	Bracket	

SECTION 10 - ELECTRICAL

FIGURE 10-5. ATTACHMENT RECOGNITION HARNESS



ART_1001250203-B

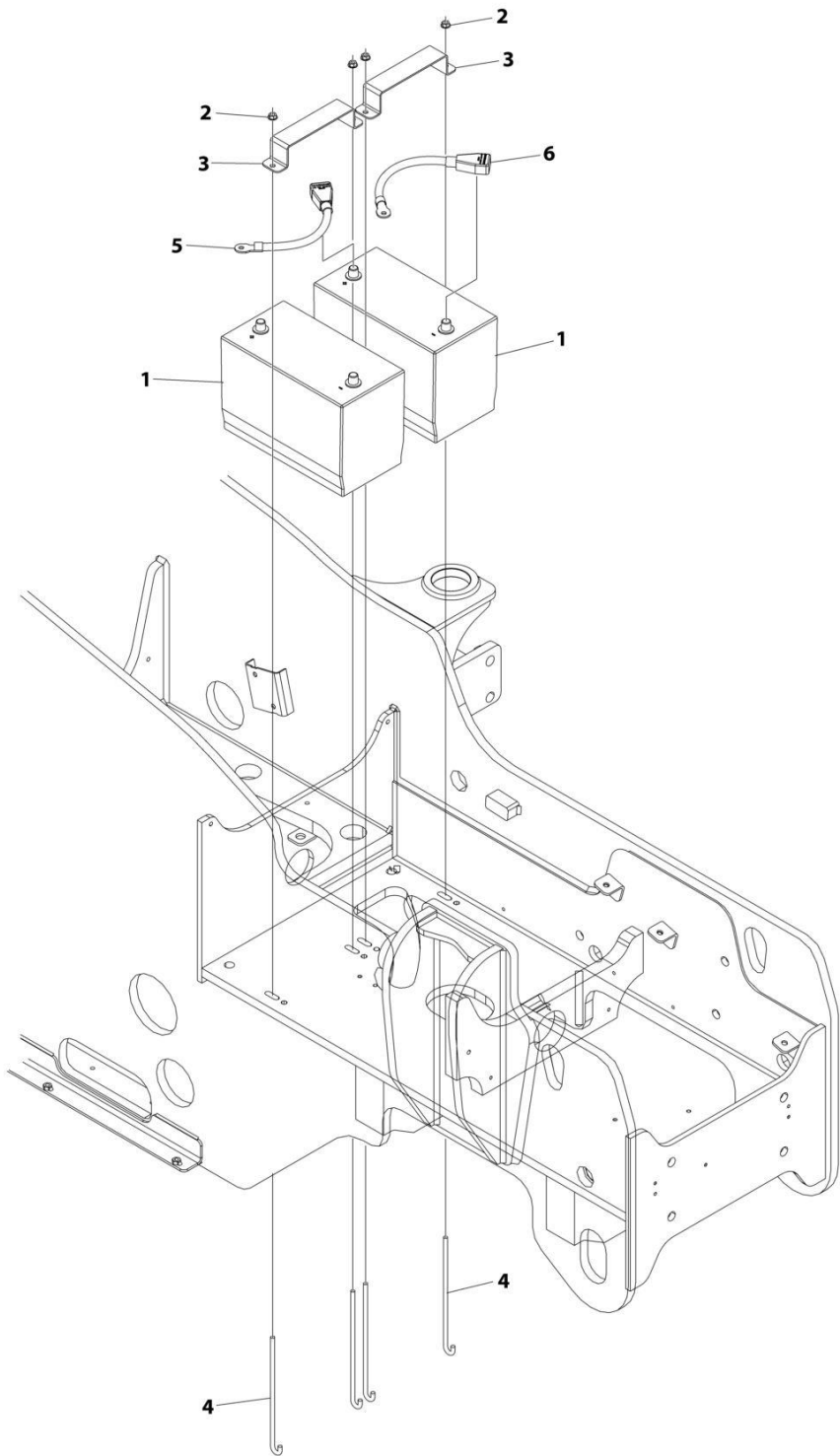
SECTION 10 - ELECTRICAL

FIGURE 10-5. ATTACHMENT RECOGNITION HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250203	Ref	Attachment Recognition Harness	B
1	4460932	1	Connector	
2	4460464	4	Terminal	
3	4460894	1	Connector	
4	4460465	6	Terminal	
5	1001206837	1	Connector	

SECTION 10 - ELECTRICAL

FIGURE 10-6. BATTERY INSTALLATION - DUAL



ART_1001211445_D

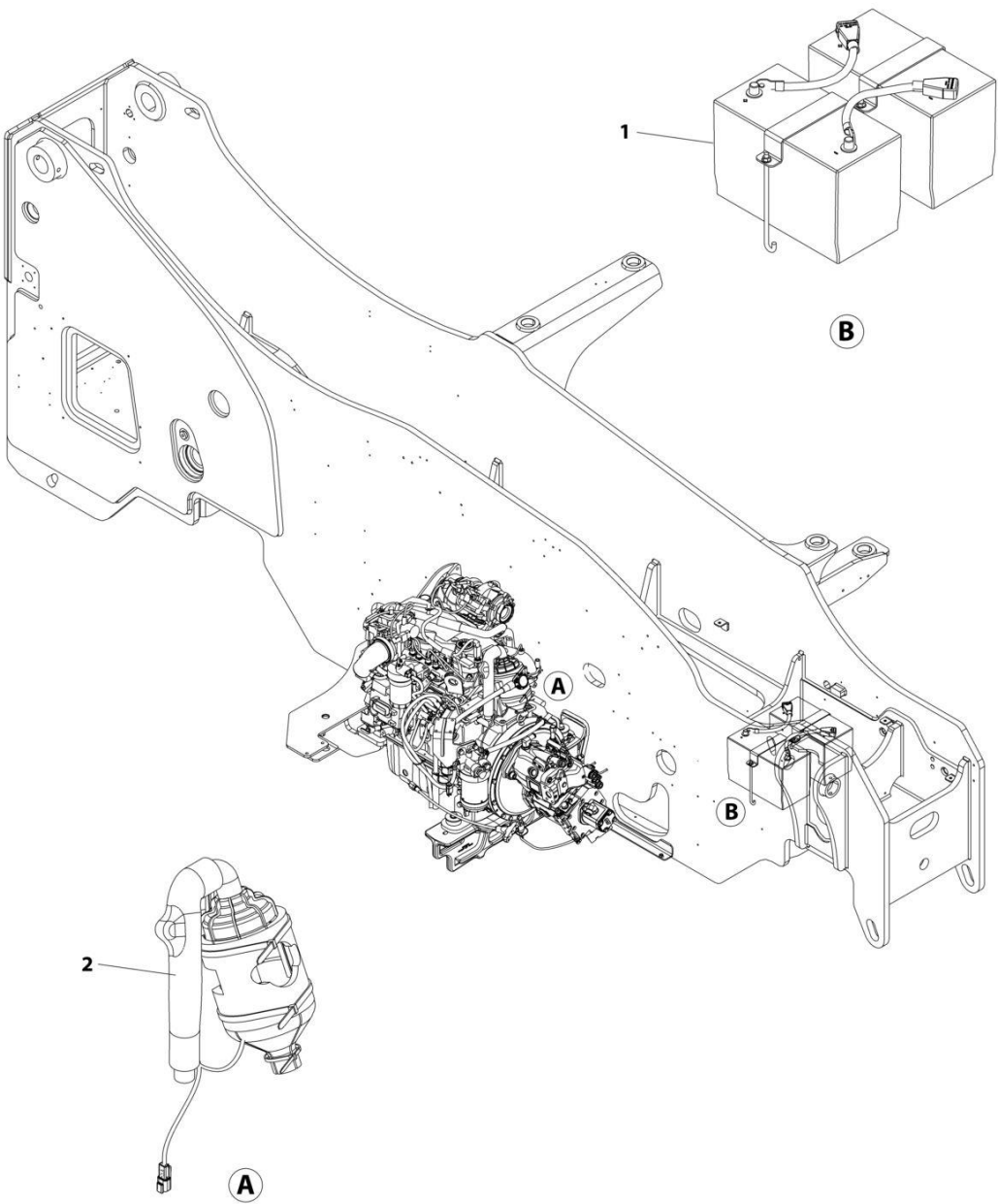
SECTION 10 - ELECTRICAL

FIGURE 10-6. BATTERY INSTALLATION - DUAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001211445	Ref	Dual Battery Installation	D
1	0400075	2	Battery, 12V	
2	5220800	4	Nut Ripp M8	
3	1001160927	2	Plate	
4	1001160928	4	J-Bolt (270mm Length)	
4	1001181961	4	J-Bolt (220mm Length)	
5	1001203557	1	Cable, Positive Battery	
6	1001203558	1	Cable, Negative Battery	

SECTION 10 - ELECTRICAL

FIGURE 10-7. BATTERY INSTALLATION - DUAL (WITH BREATHER TUBE HEATER)



ART_1001258815

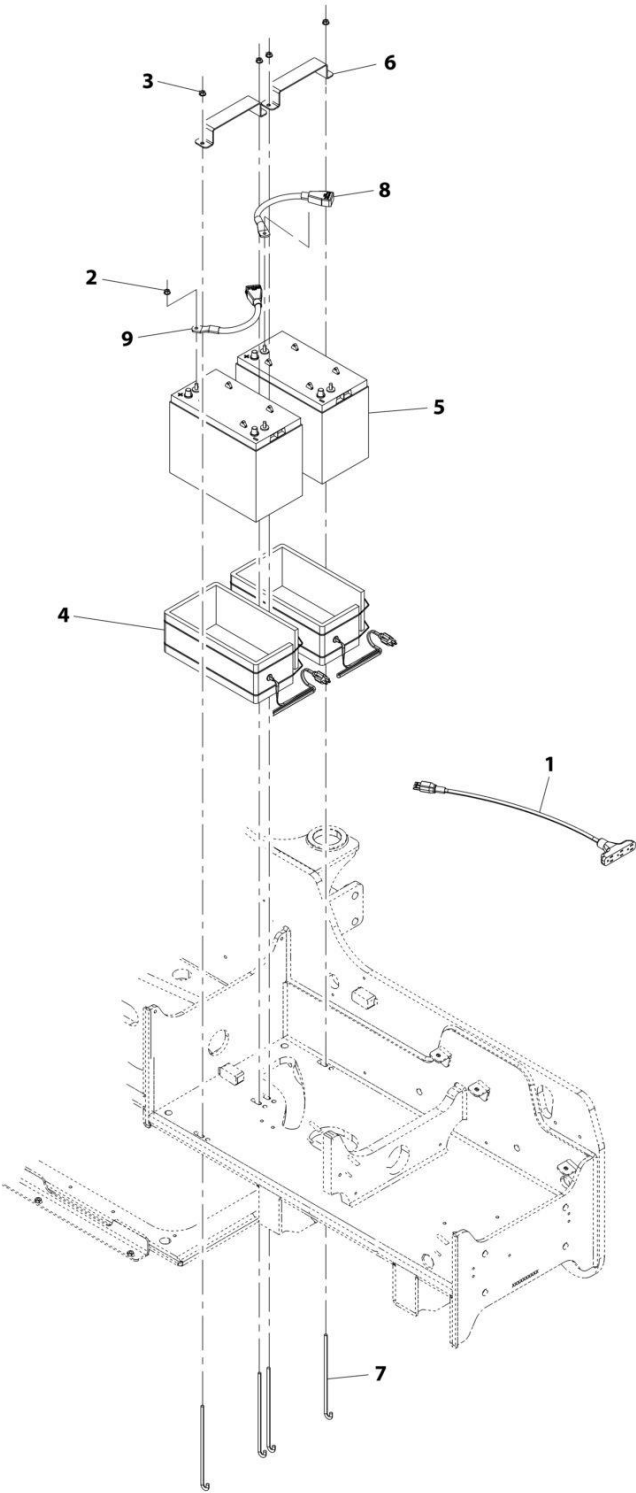
SECTION 10 - ELECTRICAL

FIGURE 10-7. BATTERY INSTALLATION - DUAL (WITH BREATHER TUBE HEATER)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258815	Ref	BATTERY INSTALLATION - DUAL (WITH BREATHER TUBE HEATER)	A
1	1001211445	Ref	Dual Battery Installation (See Separate Breakdown in this Section)	
2	1001246882	Ref	Breather Tube Heater Installation (See Separate Breakdown in ENGINE AND ATTACHING PARTS Section)	

SECTION 10 - ELECTRICAL

FIGURE 10-8. BATTERIES INSTALLATION - ARCTIC (115V)



ART_1001195582-B

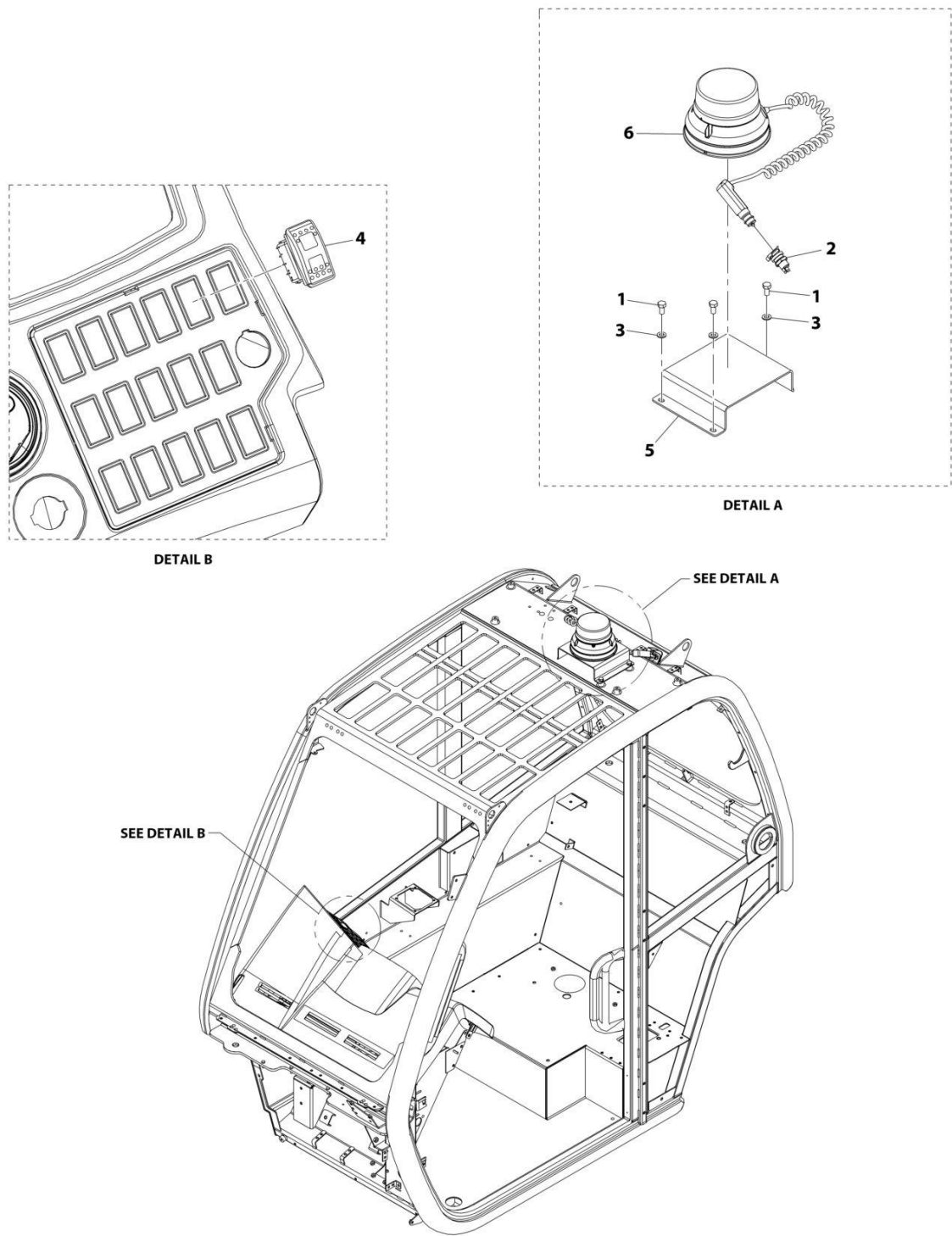
SECTION 10 - ELECTRICAL

FIGURE 10-8. BATTERIES INSTALLATION - ARCTIC (115V)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001195582	Ref	Arctic Batteries Installation (115V)	B
1	1060626	1	Cord, 3-Way Extension	
2	3311508	2	Nut 5/16	
3	5220800	4	Nut M8	
4	1001093564	2	Heater, Battery	
5	1001098762	2	Battery 12V	
6	1001160927	2	Plate, Battery Hold Down	
7	1001160928	4	J-Bolt	
8	1001172495	1	Cable, Positive Battery	
9	1001172496	1	Cable, Negative Battery	

SECTION 10 - ELECTRICAL

FIGURE 10-9. BEACON INSTALLATION (LED)



ART_1001195883-A

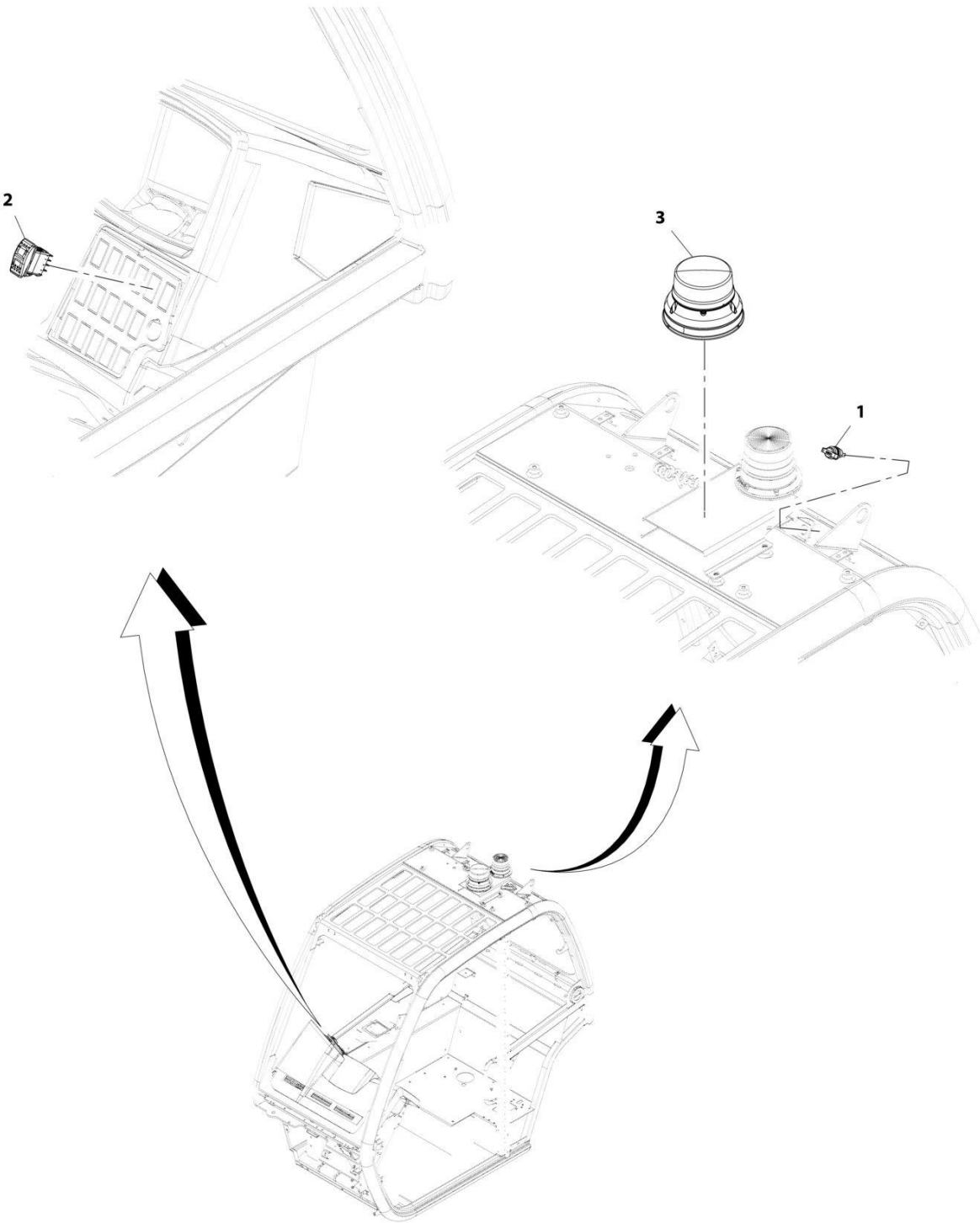
SECTION 10 - ELECTRICAL

FIGURE 10-9. BEACON INSTALLATION (LED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001195883	Ref	BEACON INSTALLATION (LED)	B
1	0760808	3	Bolt M8 x 16	
2	4461174	1	Terminal	
3	4811900	3	Washer M8	
4	1001159738	1	Switch, Beacon	
5	1001174796	1	Bracket	
	1001273075	1	Light, Beacon (LED)	

SECTION 10 - ELECTRICAL

FIGURE 10-10. BEACON (LED) (REMOTE BOOM CONTROL) INSTALLATION



ART_1001209358-A

SECTION 10 - ELECTRICAL

FIGURE 10-10. BEACON (LED) (REMOTE BOOM CONTROL) INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001209358	Ref	BEACON (LED) (REMOTE BOOM CONTROL) INSTALLATION	A
1	4461174	1	Terminal, 12 Volt	
2	1001159738	1	Switch, Beacon	
3	1001198893	1	Light, Warning	

SECTION 10 - ELECTRICAL

FIGURE 10-11. BOOM TO FRAME HARNESS



ART_1001243196-C

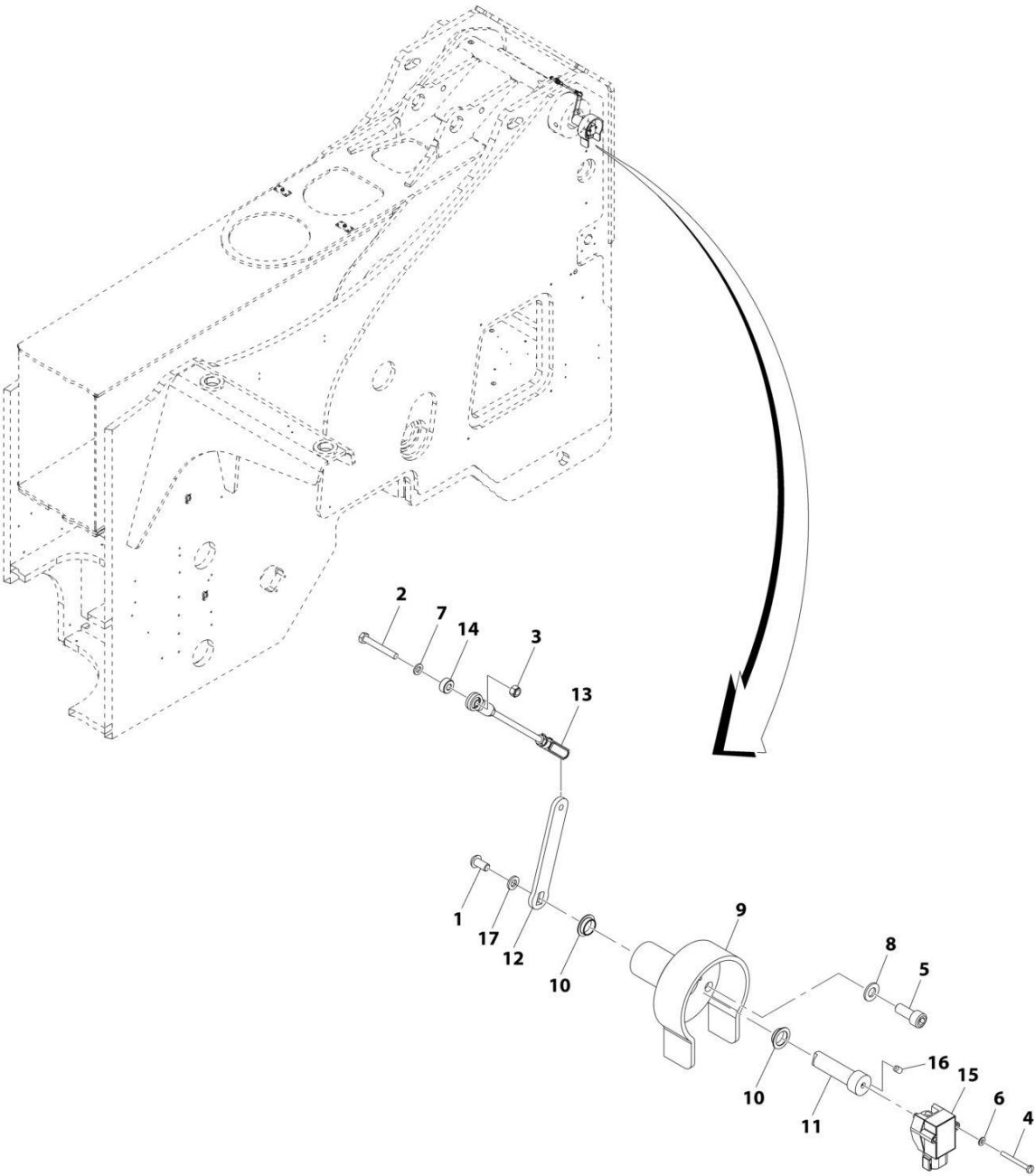
SECTION 10 - ELECTRICAL

FIGURE 10-11. BOOM TO FRAME HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243196	Ref	Boom to Frame Harness	C
1	4461017	1	Connector	
2	1001150610	2	Terminal	
3	4460931	1	Connector	
4	4460943	2	Terminal	
5	4460464	4	Terminal	
6	4460466	2	Plug	
7	4460894	1	Connector	
8	4460944	2	Terminal	
9	4460465	4	Terminal	
10	1001116810	1	Connector	
11	1001150611	2	Terminal	
12	4460466	2	Plug	

SECTION 10 - ELECTRICAL

FIGURE 10-12. BOOM ANGLE SENSOR INSTALLATION (STD)



ART_1001243000-D

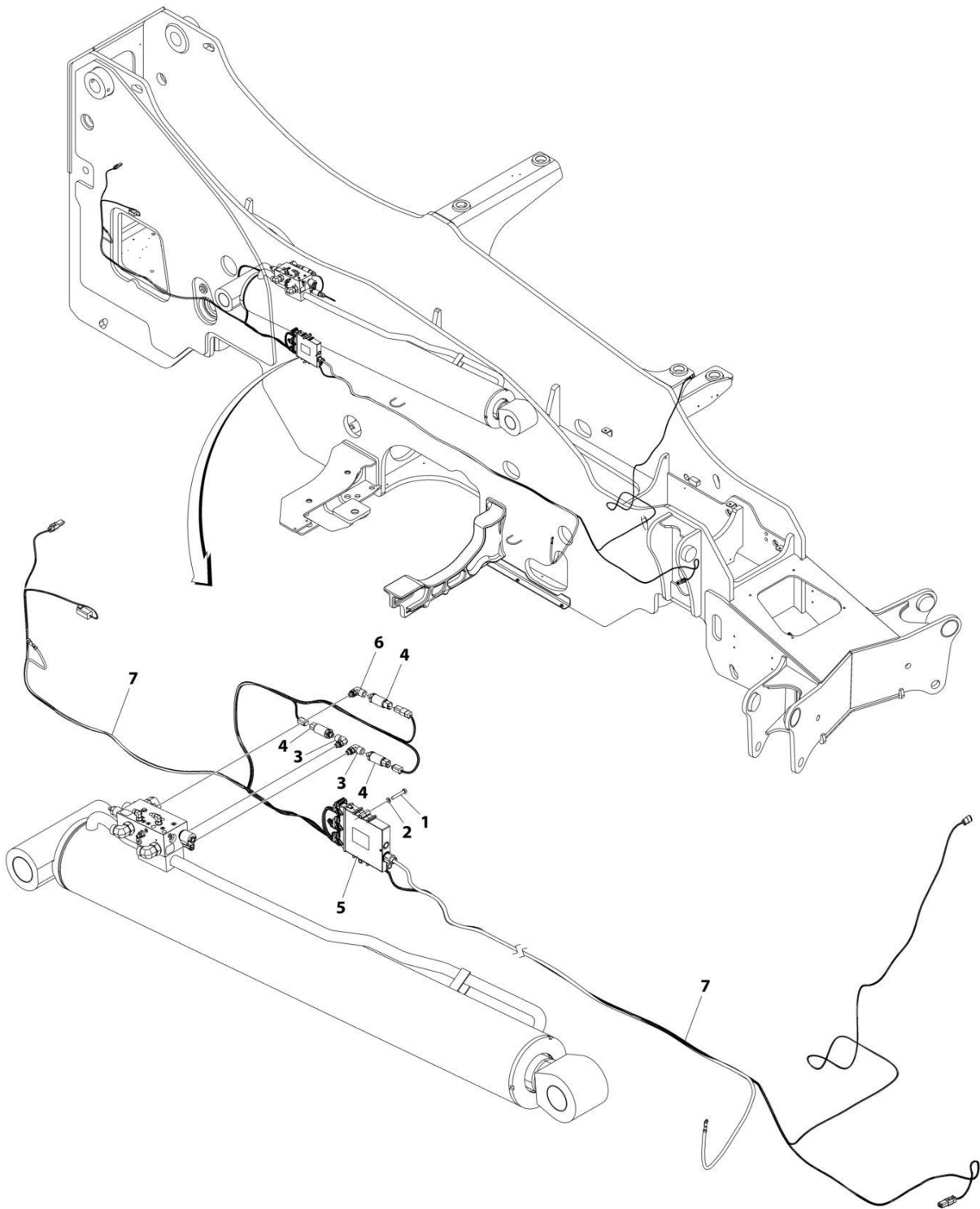
SECTION 10 - ELECTRICAL

FIGURE 10-12. BOOM ANGLE SENSOR INSTALLATION (STD)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243000	Ref	Boom Angle Sensor Installation (STD)	D
1	0630615	1	Bolt M8X16	
2	0700617	1	Bolt M6X45	
3	3290605	1	Nut M6	
4	4010416	2	Screw M4X40	
5	4032009	3	Bolt M10X25	
6	4811400	2	Washer M4	
7	4811700	1	Washer M6	
8	4812000	3	Washer M10	
9	1001246985	1	Housing, Angle Sensor Mount	
10	1001246988	2	Bearing	
11	1001246989	1	Shaft	
12	1001246990	1	Link	
13	1001246991	1	Arm	
14	1001246994	1	Sleeve	
15	1001247458	1	Sensor, Boom Angle	
16	1001254643	1	Screw M6X10	
17	4811900	1	Washer, M8	

SECTION 10 - ELECTRICAL

FIGURE 10-13. BOOM DAMPING INSTALLATION



ART_1001266065

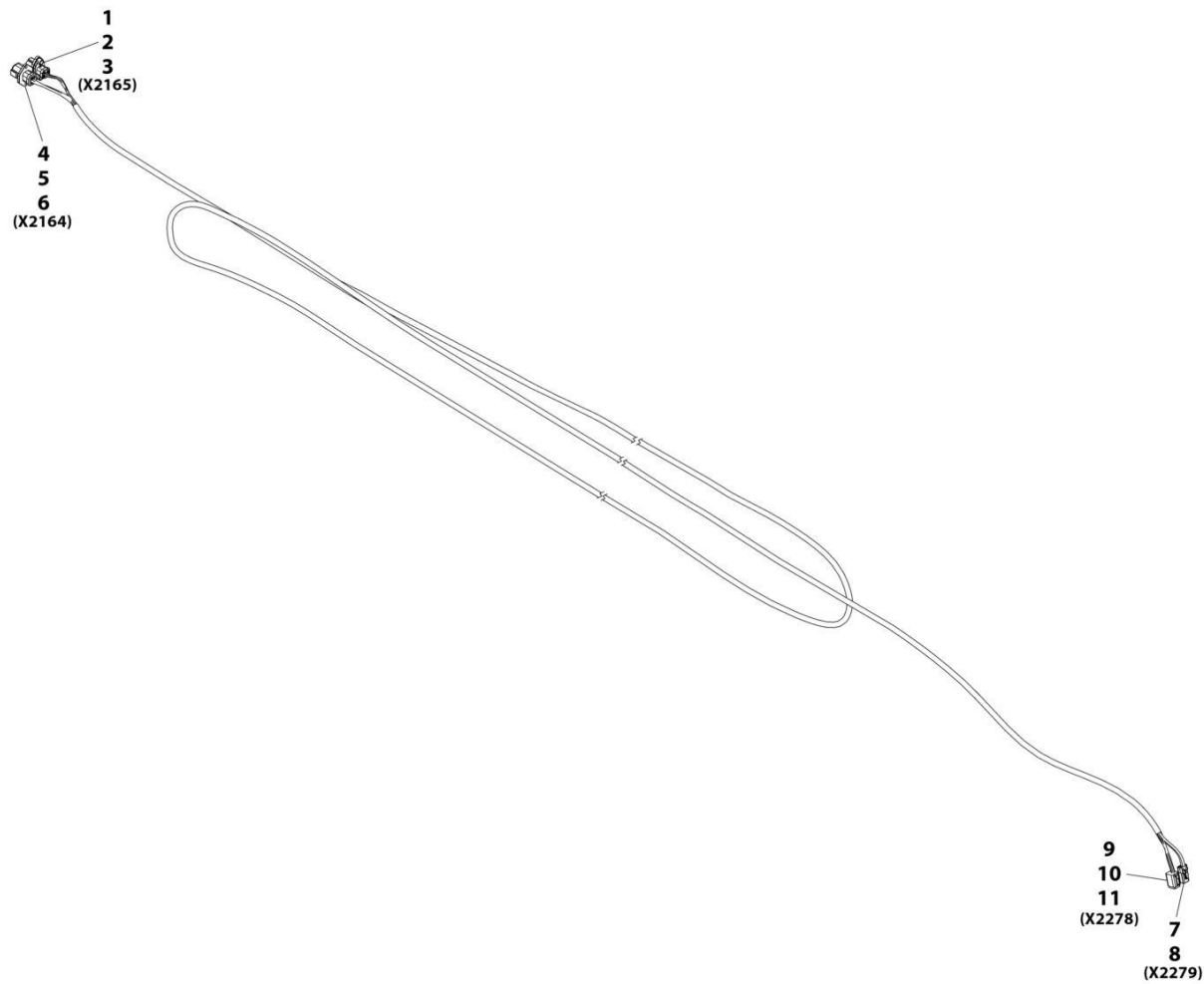
SECTION 10 - ELECTRICAL

FIGURE 10-13. BOOM DAMPING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266065	Ref	BOOM DAMPING INSTALLATION	A
1	0700818	2	Bolt M8 x 50	
2	4811900	2	Washer M8	
3	1001101855	2	Fitting, 90	
4	1001162885	3	Sensor, LMIS Pressure	
5	1001179901	1	Controller, LMIS Module	
6	1001184172	1	Fitting, 90	
7	1001201599	1	Harness, LMIS Chassis Option (See Separate Breakdown in this Section)	

SECTION 10 - ELECTRICAL

FIGURE 10-14. BOOM HARNESS



ART_1001243198-C

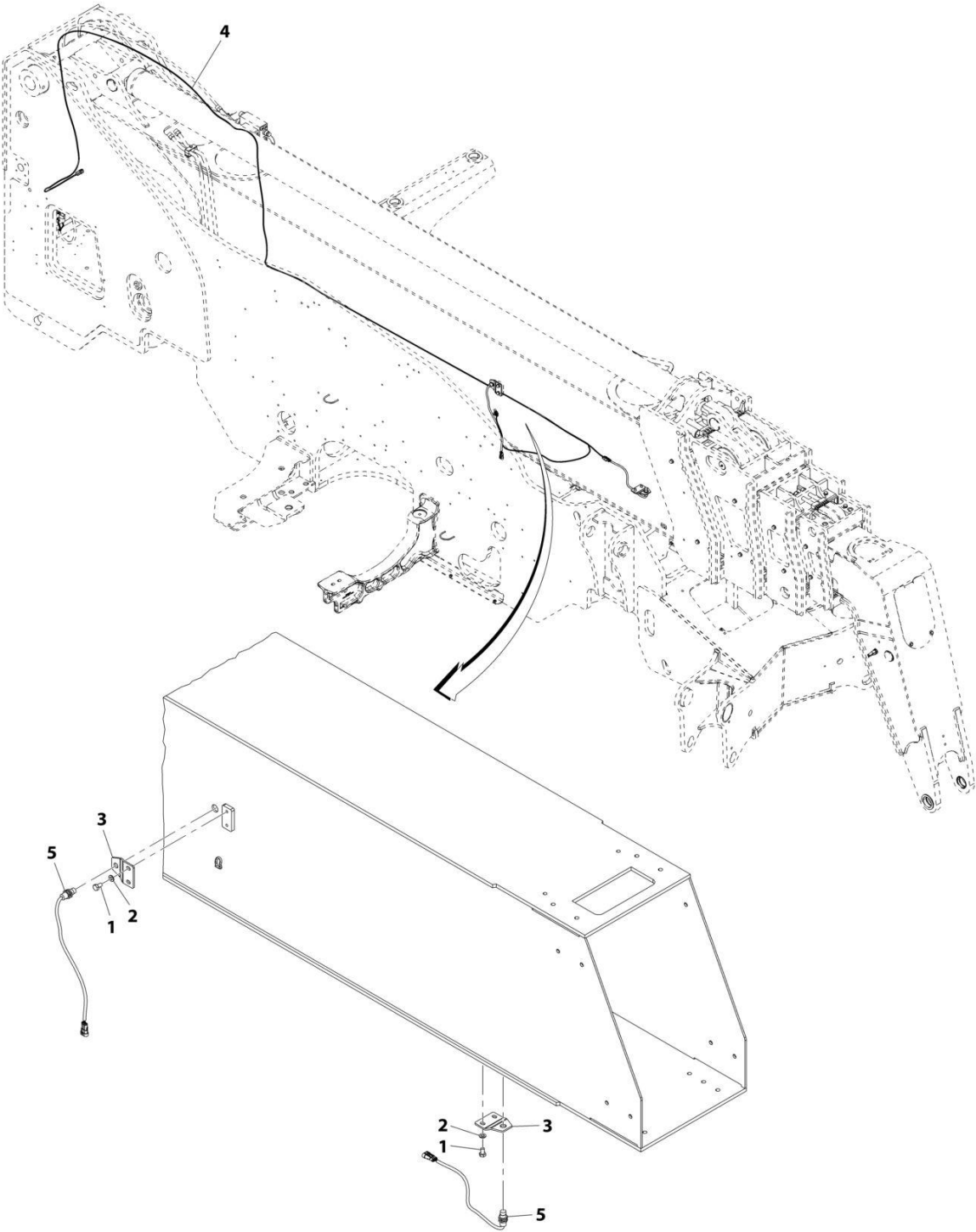
SECTION 10 - ELECTRICAL

FIGURE 10-14. BOOM HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243198	Ref	Boom Harness	C
1	1001243199	1	Connector	
2	4460943	2	Terminal	
3	4460464	4	Terminal	
4	1001200553	1	Connector	
5	1001150610	2	Terminal	
6	4460466	2	Plug	
7	4461018	1	Connector	
8	1001150611	2	Terminal	
9	4460894	1	Connector	
10	4460944	2	Terminal	
11	4460465	4	Terminal	

SECTION 10 - ELECTRICAL

FIGURE 10-15. BOOM RETRACT SENSOR INSTALLATION



ART_1001247092-A

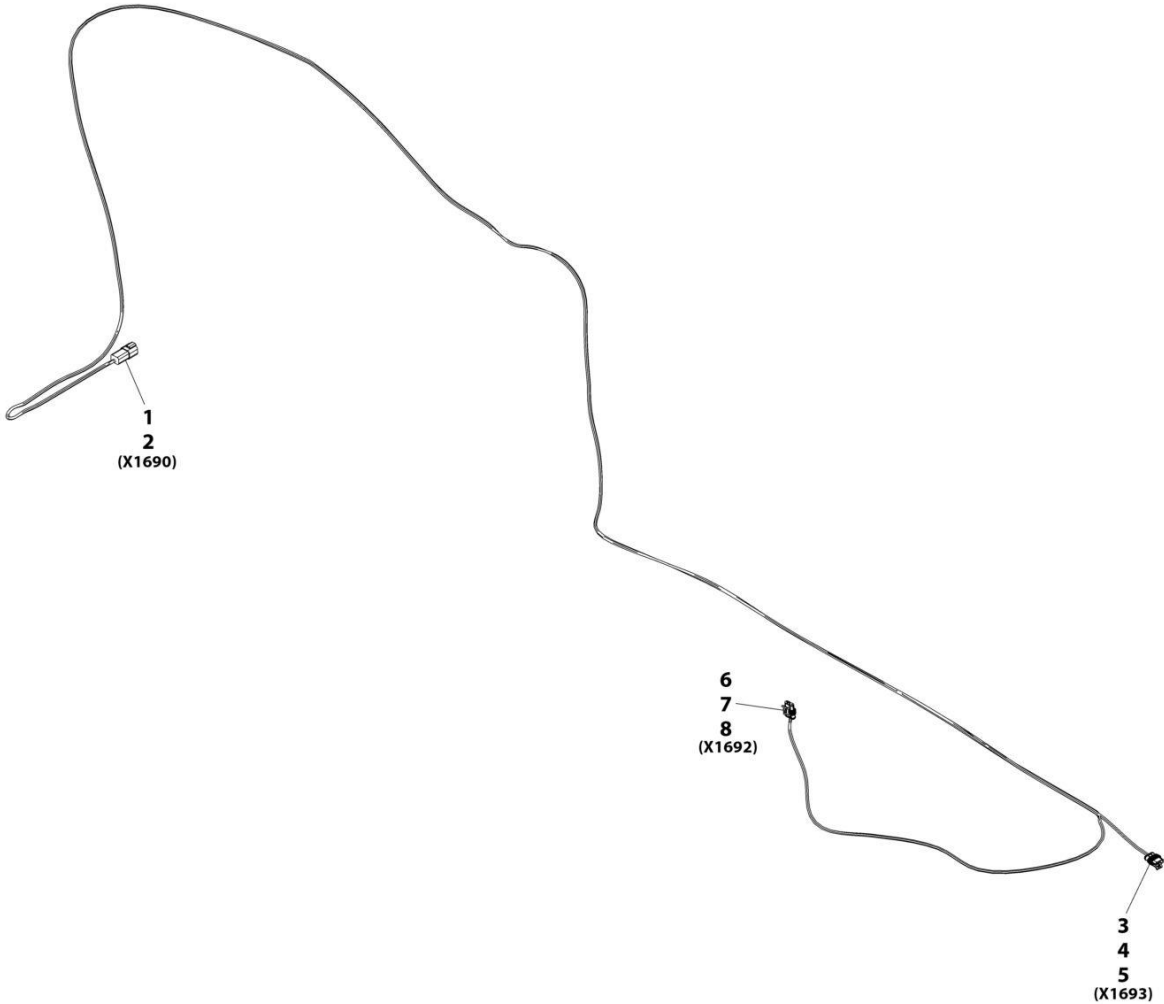
SECTION 10 - ELECTRICAL

FIGURE 10-15. BOOM RETRACT SENSOR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247092	Ref	Boom Retract Sensor Installation	A
1	0761009	4	Bolt	
2	4812000	4	Washer, M10	
3	1001210567	2	Bracket	
4	1001247044	1	Soft Stop Harness (See Separate Breakdown in this Section)	
5	1001183024	2	Sensor, Proximity	

SECTION 10 - ELECTRICAL

FIGURE 10-16. BOOM RETRACT SOFT STOP HARNESS



ART_1001247044-A

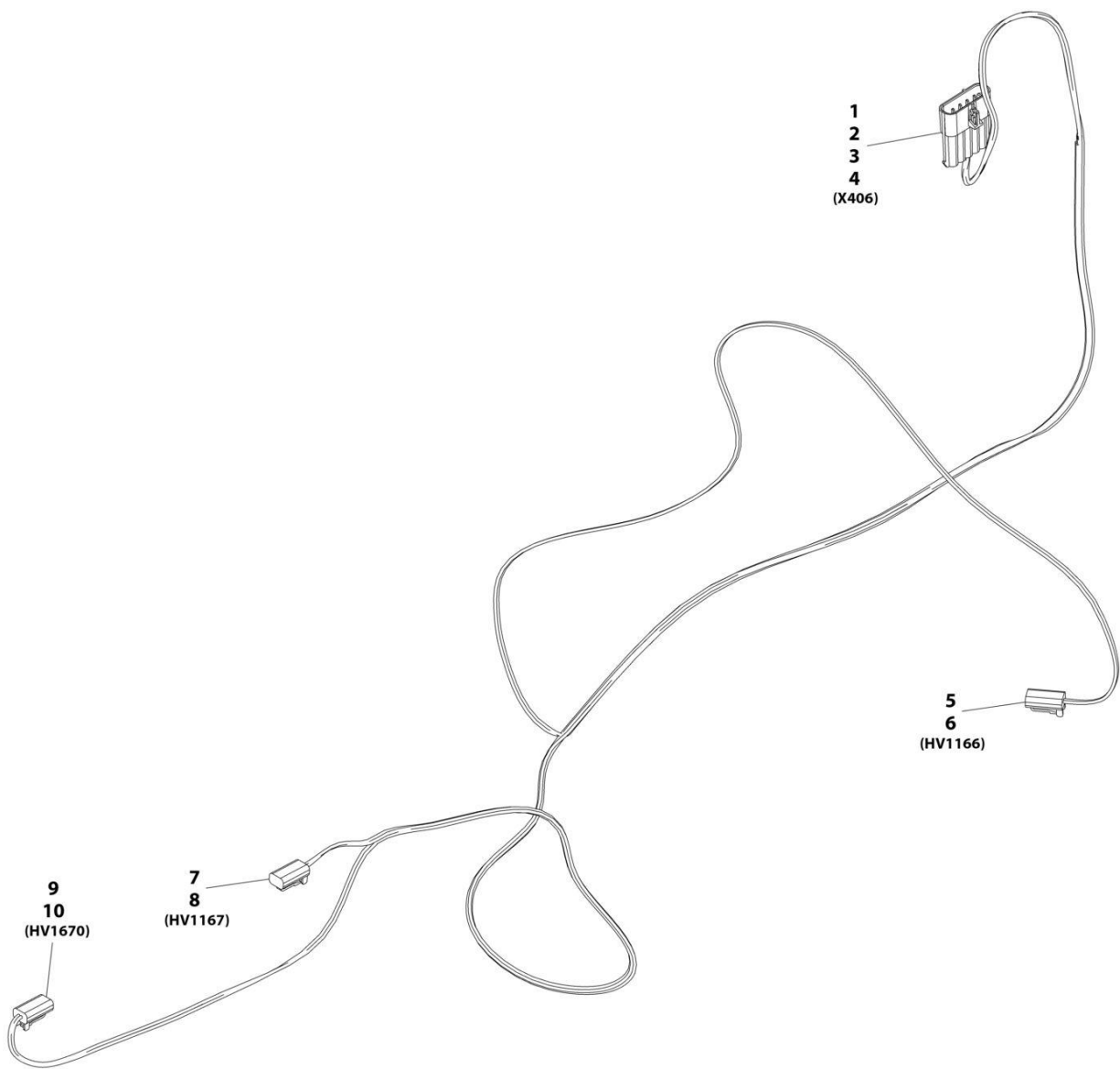
SECTION 10 - ELECTRICAL

FIGURE 10-16. BOOM RETRACT SOFT STOP HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247044	Ref	Boom Retract Soft Stop Harness	A
1	4460932	1	Connector	
2	4460464	4	Terminal	
3	4461262	1	Connector	
4	1001107854	3	Terminal	
5	1001104498	3	Terminal Seal	
6	4461262	1	Connector	
7	1001107854	3	Terminal	
8	1001104498	3	Terminal Seal	

SECTION 10 - ELECTRICAL

FIGURE 10-17. BOOM RIDE/FLOAT HARNESS



ART_1001246832-B

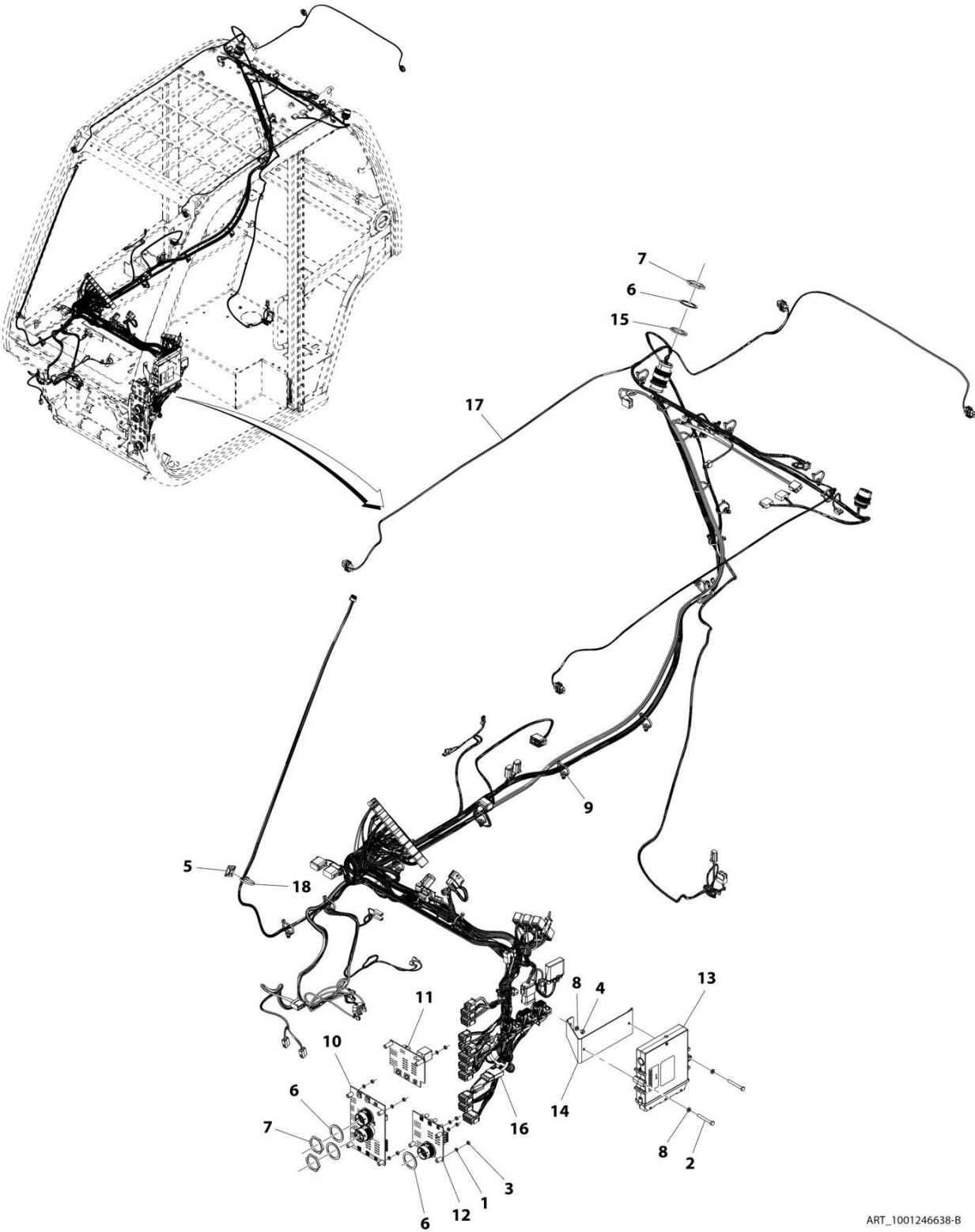
SECTION 10 - ELECTRICAL

FIGURE 10-17. BOOM RIDE/FLOAT HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246832	Ref	Boom Ride/Float Harness	B
1	1001121727	1	Connector	
2	1001116745	4	Terminal	
3	1001116727	1	Plug	
4	4460458	4	Terminal Seal	
5	4460891	1	Connector	
6	4460465	2	Terminal	
7	4460891	1	Connector	
8	4460465	2	Terminal	
9	4460891	1	Connector	
10	4460465	2	Terminal	

SECTION 10 - ELECTRICAL

FIGURE 10-18. CAB ELECTRICAL INSTALLATION



ART_1001246638-B

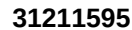
SECTION 10 - ELECTRICAL

FIGURE 10-18. CAB ELECTRICAL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246638	Ref	CAB ELECTRICAL INSTALLATION	B
1	120034	7	Washer, Plastic	
2	0700618	2	Bolt M6X50	
3	3290501	7	Nut M5	
4	3290601	2	Nut M6	
5	4460234	1	Mount, Tie-Strap	
6	4460496	4	Washer, Terminal Lock	
7	4460497	3	Nut, Terminal	
8	4811700	4	Washer M6	
9	1001146588	24	Tie-Strap	
10	1001161769	1	Standard Electrical Board Assembly (See Separate Breakdown in this Section)	
11	1001161770	1	Option 1 Electrical Board Assembly (See Separate Breakdown in this Section)	
12	1001161771	1	Option 2 Electrical Board Assembly (See Separate Breakdown in this Section)	
13	1001162249	1	CONTROLLER,TMH CAB MODULE	
14	1001178933	1	Bracket	
15	1001211693	1	Seal	
16	1001213988	1	Cable, Communication Analyzer	
17	1001244876	1	Cab Harness (See Separate Breakdown in this Section)	
18	1001008559	1	Tie-Strap	

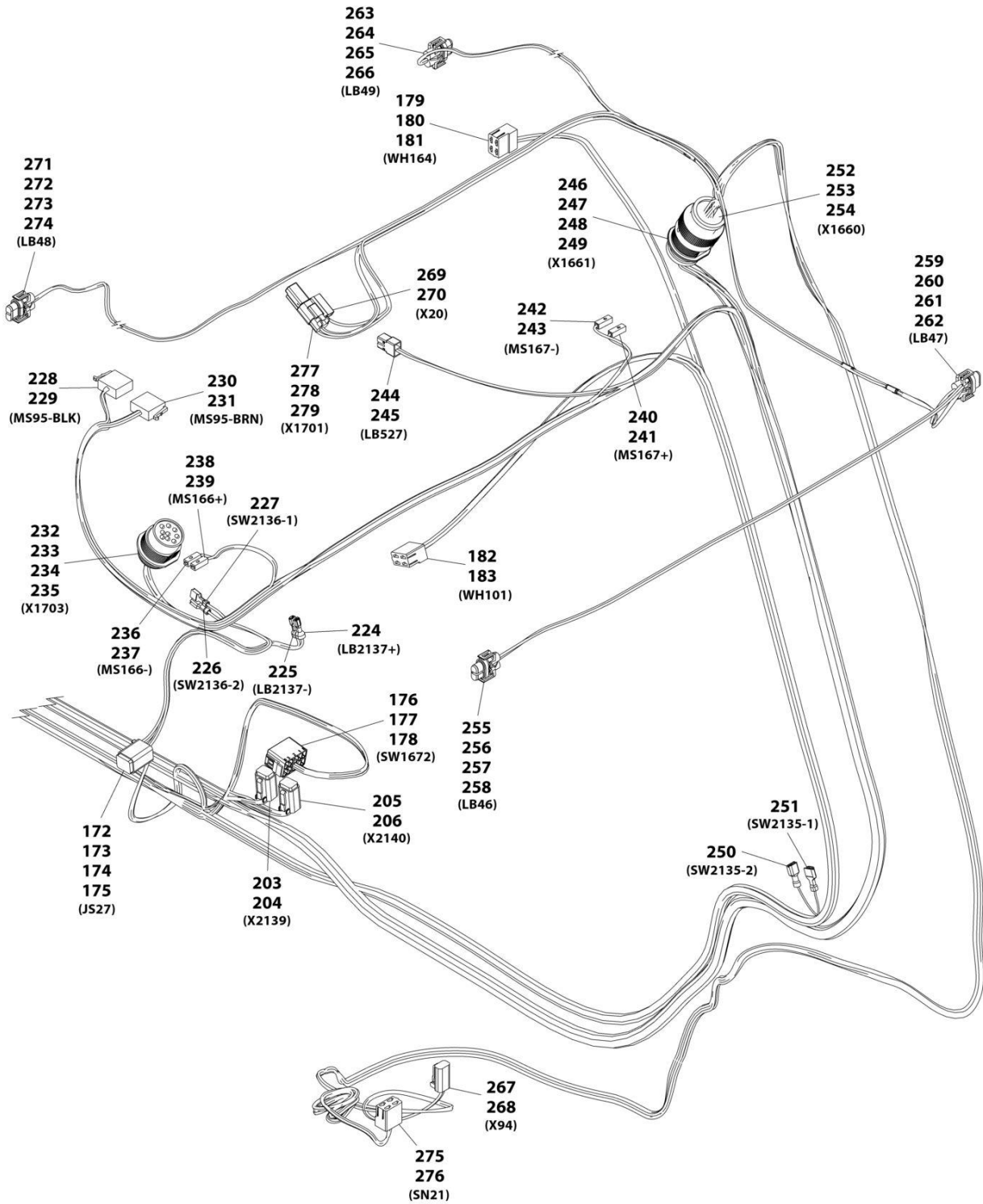
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ART_1001244876_1OF2

SECTION 10 - ELECTRICAL



ART_1001244876_20F2

SECTION 10 - ELECTRICAL

FIGURE 10-19. CAB HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244876	Ref	Cab Harness	H
1	4460343	1	Connector	
2	4460267	5	Terminal	
3	4460434	1	Connector	
4	4460268	14	Terminal	
5	4460343	1	Connector	
6	4460268	8	Terminal	
7	10011223457	1	Terminal	
8	4460434	1	Connector	
9	4460268	15	Terminal	
10	4460343	1	Connector	
11	4460267	8	Terminal	
12	1001223456	1	Terminal	
13	4460265	1	Connector	
14	1001223457	3	Terminal	
15	4460268	6	Terminal	
16	4460225	1	Connector	
17	4460267	5	Terminal	
18	4460225	1	Connector	
19	4460268	5	Terminal	
20	4460343	1	Connector	
21	4460268	11	Terminal	
22	1001161959	1	Connector	
23	643191201	1	Cover	
24	1001161100	10	Plug	
25	1001161097	14	Terminal	
26	1001161098	1	Terminal	
27	1001161101	7	Plug	
28	1001160502	1	Connector	
29	643201301	1	Cover	
30	1001161097	22	Terminal	
31	1001161100	18	Plug	
32	1001161098	5	Terminal	
33	1001161099	1	Terminal	
34	1001161101	2	Plug	
35	1001103012	1	Connector	
36	1001116698	2	Plug	
37	1001116697	1	Terminal	
38	1001237212	1	Terminal	
39	1001104498	2	Terminal Seal	
40	4461262	1	Connector	
41	1001237212	3	Terminal	
42	1001104498	3	Terminal Seal	
43	4460539	1	Connector	
44	4460465	3	Terminal	
45	4460536	1	Connector	
46	4460464	2	Terminal	
47	4460466	1	Plug	
48	4460536	1	Connector	
49	4460464	3	Terminal	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	4460466	1	Plug	
51	1001160498	1	Connector	
52	643191201	1	Cover	
53	1001161097	23	Terminal	
54	1001161100	1	Plug	
55	1001161098	6	Terminal	
56	1001161099	1	Terminal	
57	1001161101	1	Plug	
58	4461290	1	Connector	
59	1001126008	2	Terminal	
60	1001162886	1	Connector	
61	1001163340	13	Plug	
62	1001162887	7	Terminal	
63	1001117081	1	Connector	
64	1001223455	2	Terminal	
65	1001118384	4	Terminal	
66	1001117081	1	Connector	
67	1001118384	6	Terminal	
68	1001223455	1	Terminal	
69	1001173411	1	Connector	
70	1001116716	3	Terminal	
71	1001104519	3	Terminal	
72	1001116999	1	Connector	
73	1001116700	4	Terminal	
74	4460343	1	Connector	
75	4460267	7	Terminal	
76	1001116991	1	Connector	
77	1001116723	2	Terminal	
78	4460933	1	Connector	
79	4460465	7	Terminal	
80	4460466	5	Plug	
81	1001117081	1	Connector	
82	1001118384	6	Terminal	
83	1001223455	1	Terminal	
84	1001117081	1	Connector	
85	1001118384	6	Terminal	
86	4460343	1	Connector	
87	4460268	8	Terminal	
88	4460906	1	Terminal	
89	1001223457	1	Terminal	
90	1001117081	1	Connector	
91	1001116723	6	Terminal	
92	1001223455	1	Terminal	
93	1001118384	4	Terminal	
94	4460225	1	Connector	
95	4460267	5	Terminal	
96	4460705	1	Terminal	
97	4460836	1	Connector	
98	4460942	4	Terminal	
99	4460465	8	Terminal	
100	4460894	1	Connector	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
101	4460465	5	Terminal	
102	4460466	1	Plug	
103	4460933	1	Connector	
104	1001125677	1	Mating Connector	
105	4460465	12	Terminal	
106	1001116812	1	Connector	
107	1001144296	1	Cap	
108	4460944	2	Terminal	
109	4460466	1	Plug	
110	4460320	1	Connector	
111	4460267	2	Terminal	
112	4460424	1	Connector	
113	4460268	2	Terminal	
114	4460897	1	Connector	
115	4460464	1	Terminal	
116	4460466	1	Plug	
117	4460744	1	Connector	
118	1001177597	1	Diode, 6amp	
119	8220375	1	Cap	
120	4460746	6	Terminal	
121	4460458	6	Seal	
122	1001117081	1	Connector	
123	1001118384	6	Terminal	
124	1001223455	1	Terminal	
125	1001117081	1	Connector	
126	1001118384	8	Terminal	
127	1001116723	2	Terminal	
128	1001117081	1	Connector	
129	1001118384	8	Terminal	
130	1001223455	2	Terminal	
131	1001117081	1	Connector	
132	1001118384	6	Terminal	
133	1001223455	1	Terminal	
134	1001194421	1	Terminal	
135	1001194421	1	Terminal	
136	1001117081	1	Connector	
137	1001223455	3	Terminal	
138	1001118384	8	Terminal	
139	1001118684	1	Connector	
140	1001116754	2	Terminal	
141	1001117081	1	Connector	
142	1001118384	7	Terminal	
143	1001117081	1	Connector	
144	1001118384	6	Terminal	
145	1001223455	1	Terminal	
146	1001117081	1	Connector	
147	1001118384	7	Terminal	
148	1001117081	1	Connector	
149	1001118384	6	Terminal	
150	1001223455	1	Terminal	
151	8220051	1	Terminal	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
152	4460994	1	Connector	
153	1001118384	1	Terminal	
154	1001116723	2	Terminal	
155	1001194421	1	Terminal	
156	1001194421	1	Terminal	
157	1001116997	1	Connector	
158	1001118384	4	Terminal	
159	1001116723	1	Terminal	
160	8220051	1	Terminal	
161	8220051	1	Terminal	
162	8220051	1	Terminal	
163	8220051	1	Terminal	
164	4460994	1	Terminal	
165	1001118384	1	Terminal	
166	1001116812	1	Connector	
167	4460944	2	Terminal	
168	4460466	1	Plug	
169	4460539	1	Connector	
170	4460944	2	Terminal	
171	4460466	1	Plug	
172	4460894	1	Connector	
173	4460465	3	Terminal	
174	4460466	1	Plug	
175	4460944	2	Terminal	
176	1001117081	1	Connector	
177	1001223455	4	Terminal	
178	1001118384	2	Terminal	
179	1001116986	1	Connector	
180	1001117011	1	Mating Connector	
181	1001118384	4	Terminal	
182	1001116986	1	Connector	
183	1001118384	4	Terminal	
184	1001116995	1	Connector	
185	1001118379	1	Terminal	
186	1001116995	1	Connector	
187	1001118379	1	Terminal	
188	1001230931	1	Connector	
189	1001116748	6	Terminal	
190	1001117081	1	Connector	
191	1001118384	6	Terminal	
192	1001117081	1	Connector	
193	1001118384	6	Terminal	
194	1001117081	1	Connector	
195	1001118384	6	Terminal	
196	1001117081	1	Connector	
197	1001118384	6	Terminal	
198	1001150735	1	Connector	
199	1001150737	7	Terminal	
200	1001117081	1	Connector	
201	1001118384	1	Terminal	
202	1001223455	2	Terminal	

SECTION 10 - ELECTRICAL

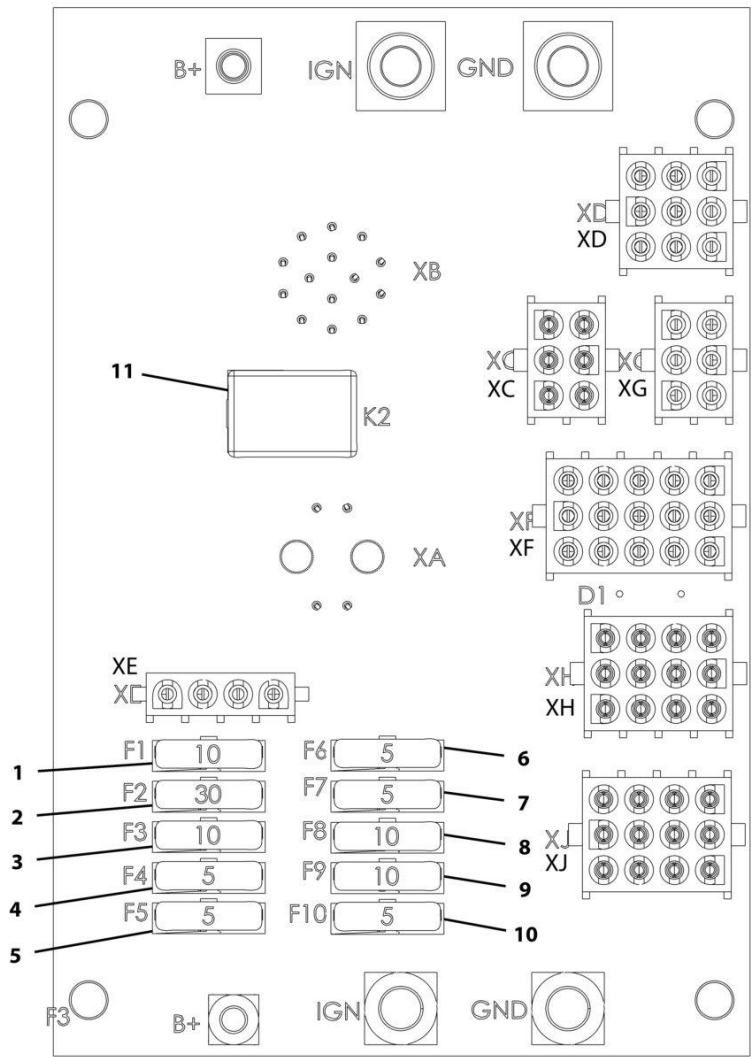
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203	4460884	1	Connector	
204	4460465	4	Terminal	
205	4460884	1	Connector	
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207	1001117079	1	Connector	
208	1001118384	4	Terminal	
209	1001223455	3	Terminal	
210	1001176333	1	Connector	
211	4460466	11	Terminal	
212	4460465	3	Terminal	
213	4460944	4	Terminal	
214	1001116812	1	Connector	
215	4460944	2	Terminal	
216	4460466	1	Plug	
217	4460539	1	Connector	
218	4460944	2	Terminal	
219	4460466	1	Plug	
220	4460930	1	Connector	
221	4460931	1	Mating Connector	
222	4460466	6	Plug	
223	4460465	2	Terminal	
224	1001201885	1	Connector	
225	1001201885	1	Connector	
226	1001194421	1	Terminal	
227	1001194421	1	Terminal	
228	1001116985	1	Connector	
229	1001118386	3	Terminal	
230	1001116984	1	Connector	
231	1001118386	4	Terminal	
232	1001112612	1	Connector	
233	4460464	3	Terminal	
234	4460943	2	Terminal	
235	4460466	4	Plug	
236	1001116998	1	Connector	
237	1001118387	1	Terminal	
238	1001116998	1	Connector	
239	1001118387	1	Terminal	
240	1001116998	1	Connector	
241	1001118387	1	Terminal	
242	1001116998	1	Connector	
243	1001118387	1	Terminal	
244	1001116991	1	Connector	
245	1001118384	2	Terminal	
246	1001137000	1	Connector	
247	4460928	2	Terminal	
248	1001126008	11	Terminal	
249	4460518	8	Plug	
250	1001194421	1	Terminal	
251	1001194421	1	Terminal	
252	1001136999	1	Connector	
253	1001126011	13	Terminal	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
254	4460518	8	Plug	
255	4461115	1	Connector	
256	1001103564	1	Lock, Terminal	
257	4460746	2	Terminal	
258	4460458	2	Terminal Seal	
259	4461115	1	Connector	
260	1001103564	1	Lock, Terminal	
261	4460746	2	Terminal	
262	4460458	2	Terminal Seal	
263	4461115	1	Connector	
264	1001103564	1	Lock, Terminal	
265	4460746	2	Terminal	
266	4460458	2	Terminal Seal	
267	4460891	1	Connector	
268	4460465	2	Terminal	
269	4460944	1	Connector	
270	1001118384	2	Terminal	
271	4461115	1	Connector	
272	1001103564	1	Lock, Terminal	
273	4460746	2	Terminal	
274	4460458	2	Terminal Seal	
275	1001116986	1	Connector	
276	1001118384	5	Terminal	
277	4460891	1	Connector	
278	4460897	1	Connector	
279	4460465	2	Terminal	
280	1001116815	AR	Connector	
281	4460945	2	Connector, 3 Way	

SECTION 10 - ELECTRICAL

FIGURE 10-20. CAB - STANDARD ELECTRICAL BOARD ASSEMBLY



ART_1001161769-C

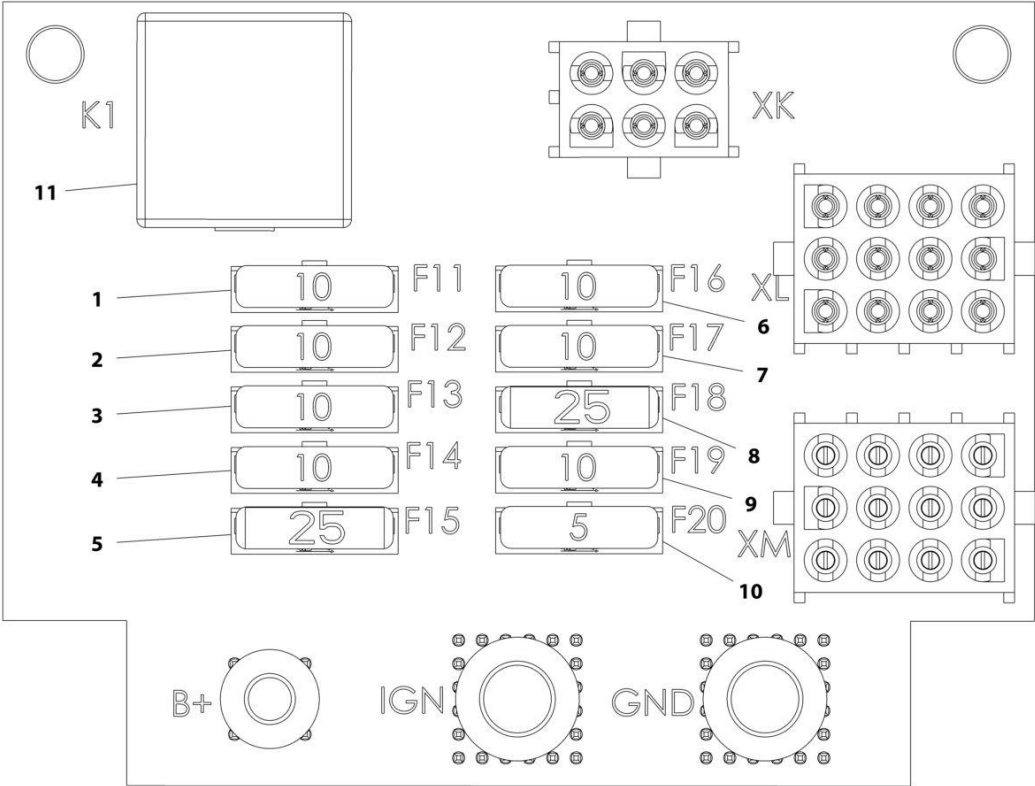
SECTION 10 - ELECTRICAL

FIGURE 10-20. CAB - STANDARD 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 10-21. CAB - OPTION 1 ELECTRICAL BOARD ASSEMBLY



ART_1001161770-C

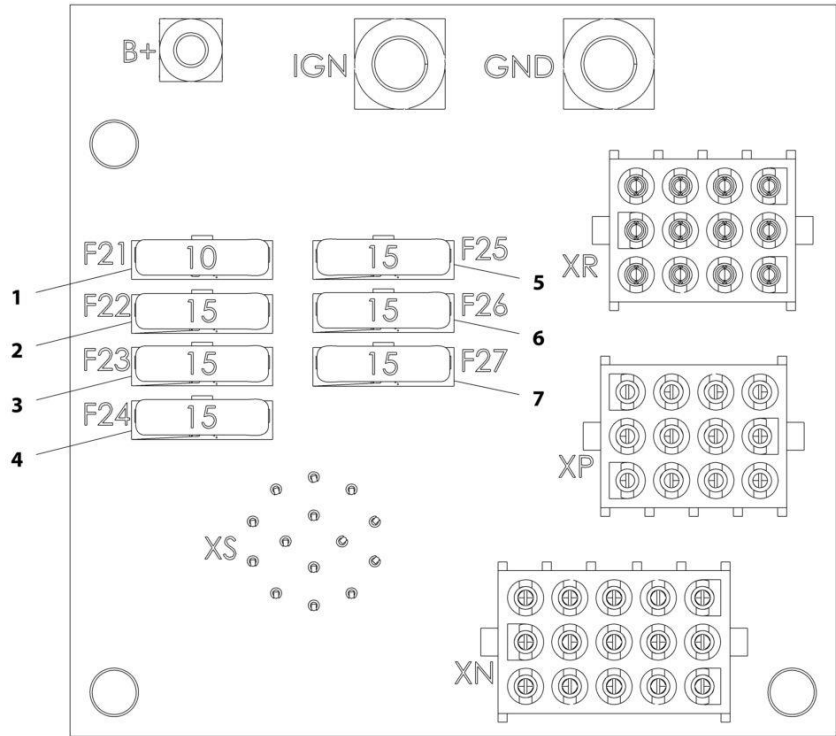
SECTION 10 - ELECTRICAL

FIGURE 10-21. CAB - OPTION 1 ELECTRICAL BOARD ASSEMBLY

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 10-22. CAB - OPTION 2 ELECTRICAL BOARD ASSEMBLY



ART_1001161771-B

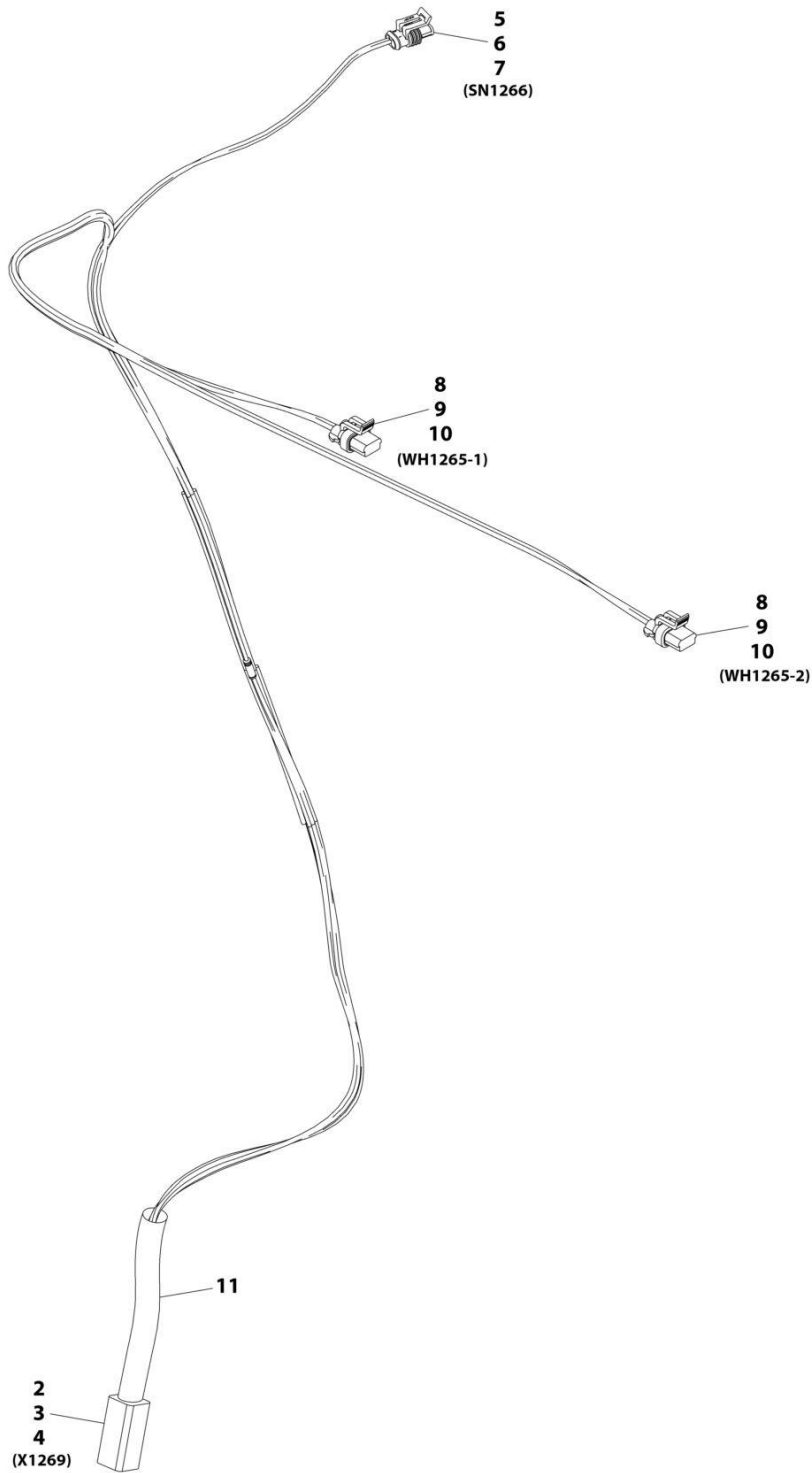
SECTION 10 - ELECTRICAL

FIGURE 10-22. CAB - OPTION 2 ELECTRICAL BOARD ASSEMBLY

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 10-23. CAB - A/C OPTION HARNESS



ART_1001169151-E

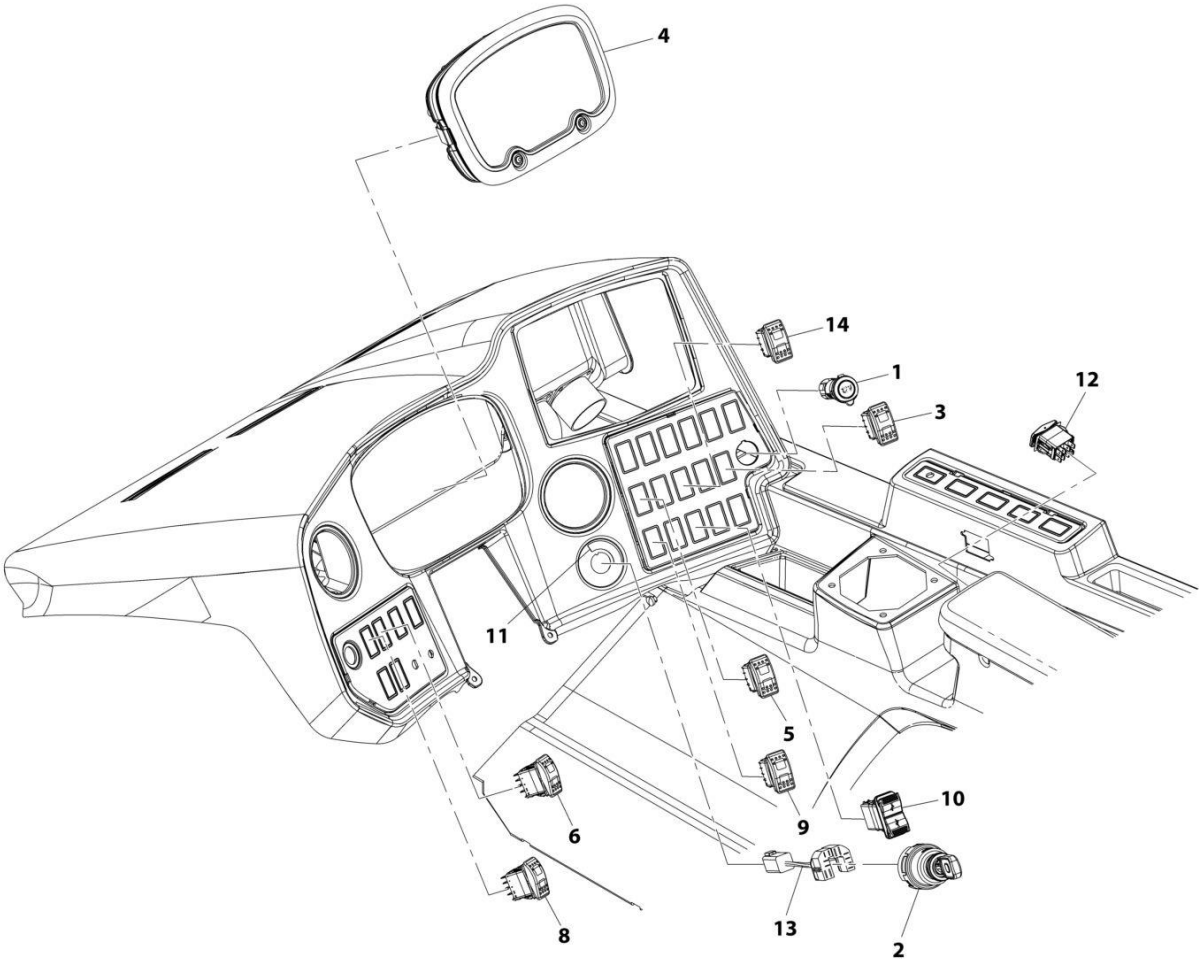
SECTION 10 - ELECTRICAL

FIGURE 10-23. CAB - A/C OPTION HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001169151	Ref	A/C Option Harness	F
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 10-24. CAB - DASH ELECTRICAL INSTALLATION



ART_1001249631-B

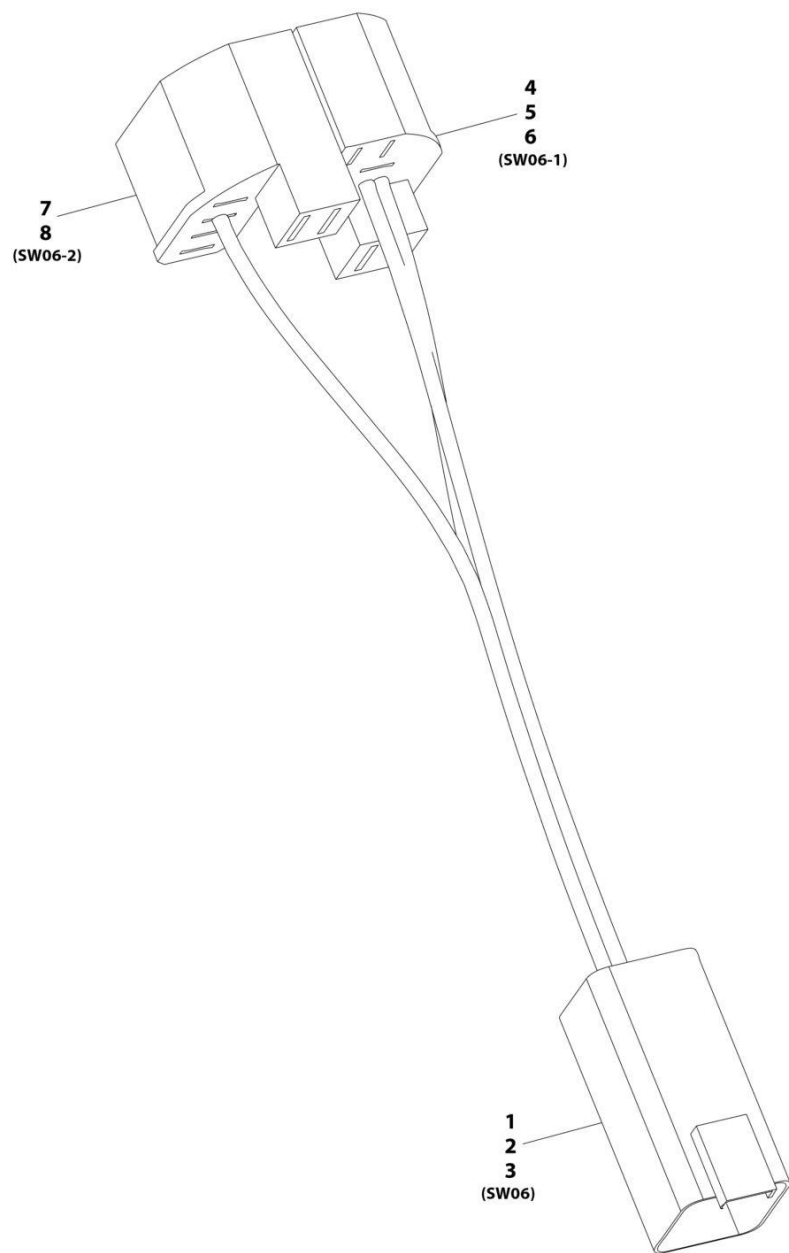
SECTION 10 - ELECTRICAL

FIGURE 10-24. CAB - DASH ELECTRICAL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001249631	Ref	Dash Electrical Installation	B
1	1001095804	1	Connector, 12V Power Socket	
2	1001102502	1	Switch, 4 Position Key	
3	1001104654	1	Switch, AUX Decomp	
4	1001158146	1	Cluster, Electrical Gauge	
5	1001159735	1	Switch, Rear Wiper	
6	1001159741	1	Switch, Constant AUX	
8	1001159753	1	Switch, Park Brake	
9	1001159849	1	Switch, Steer Mode	
10	1001174712	1	Charger, USB	
11	1001181531	1	Decal, Ignition Switch	
12	1001212470	1	Switch, Frame Level	
13	1001223968	1	Ignition Switch Harness (See Separate Breakdown in this Section)	
14	1001159746	1	Switch, Auxiliary Electric	

SECTION 10 - ELECTRICAL

FIGURE 10-25. CAB - IGNITION SWITCH HARNESS



ART_1001223968-A

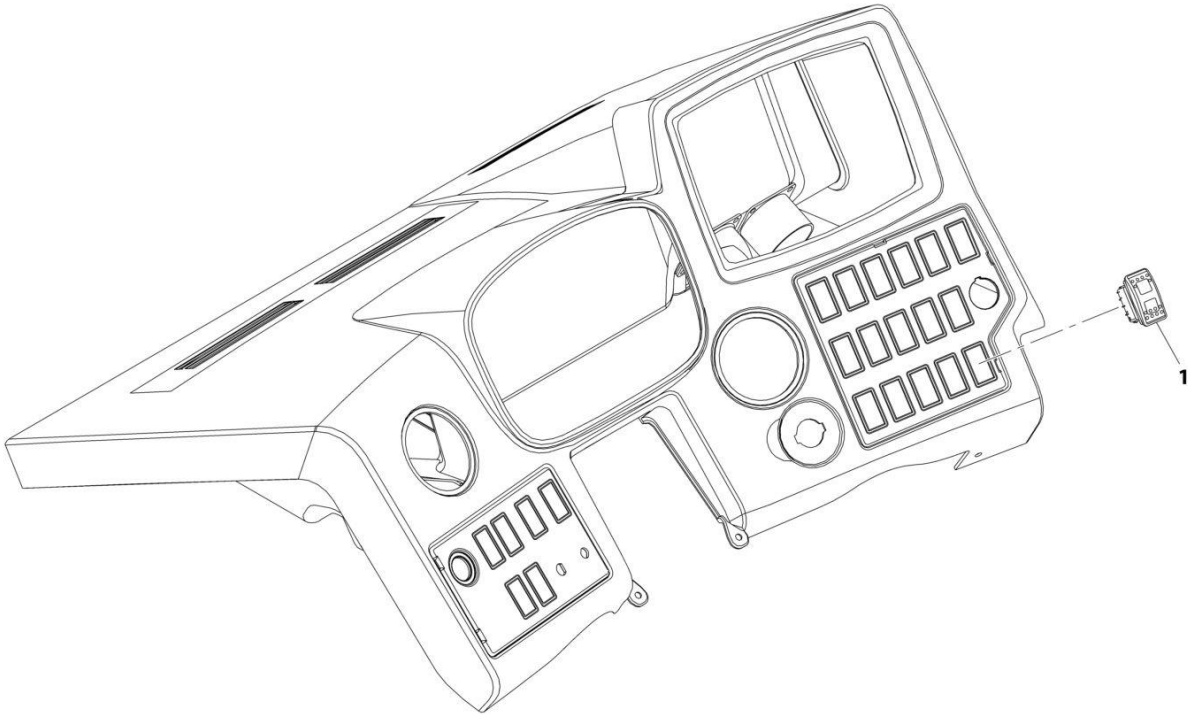
SECTION 10 - ELECTRICAL

FIGURE 10-25. CAB - IGNITION SWITCH HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001223968	Ref	Ignition Switch Harness	A
1	4460899	1	Connector	
2	4460464	3	Terminal	
3	4460466	3	Plug	
4	1001118685	1	Connector	
5	1001104519	1	Terminal	
6	1001118383	1	Terminal	
7	1001117121	1	Connector	
8	1001104519	1	Terminal	

SECTION 10 - ELECTRICAL

FIGURE 10-26. CAB - LIGHT SWITCH INSTALLATION



ART_1001215121-A

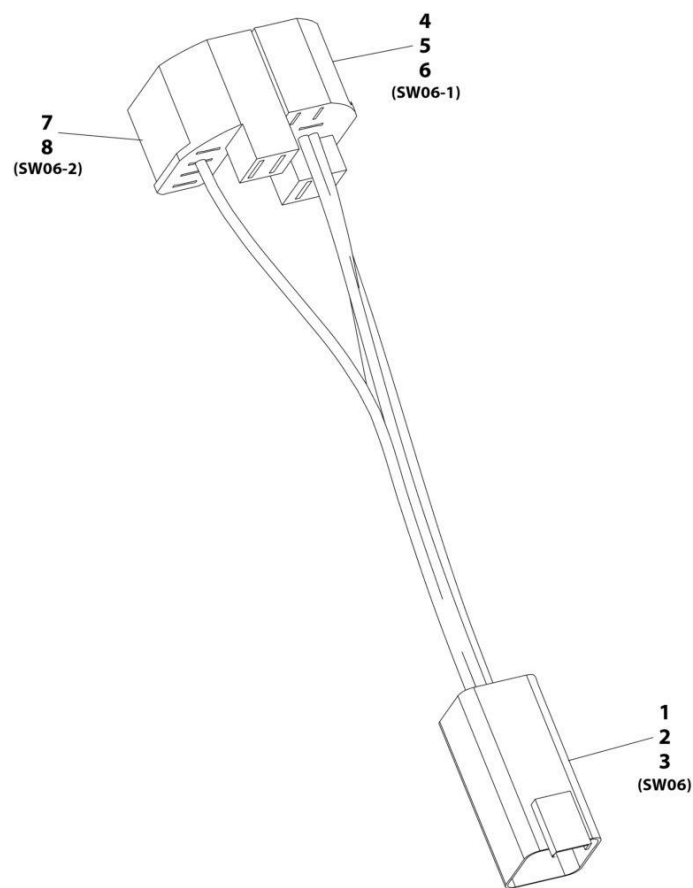
SECTION 10 - ELECTRICAL

FIGURE 10-26. CAB - LIGHT SWITCH INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001215121 1001163639	Ref 1	Light Switch Installation Switch, Light	A

SECTION 10 - ELECTRICAL

FIGURE 10-27. CAB KEY HARNESS (REMOTE CONTROL BOOM)



ART_1001241610-A

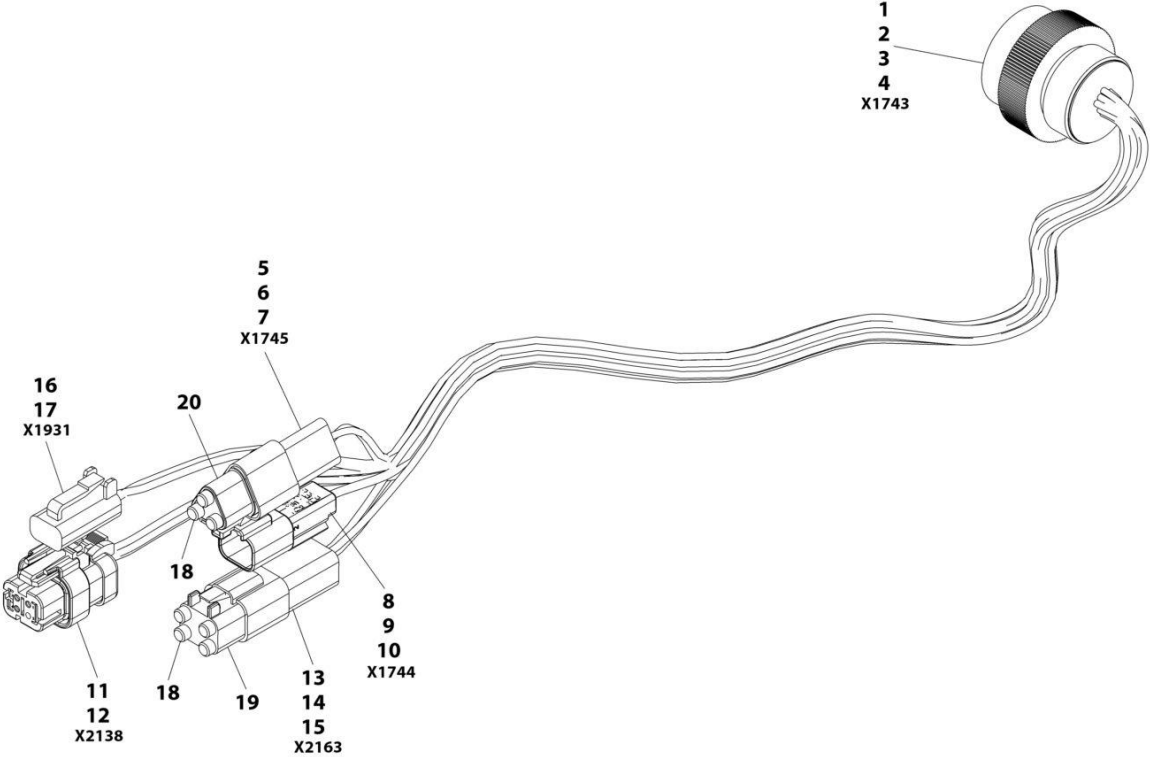
SECTION 10 - ELECTRICAL

FIGURE 10-27. CAB KEY HARNESS (REMOTE CONTROL BOOM)

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 10-28. CAB OPTION HARNESS



ART_1001243044

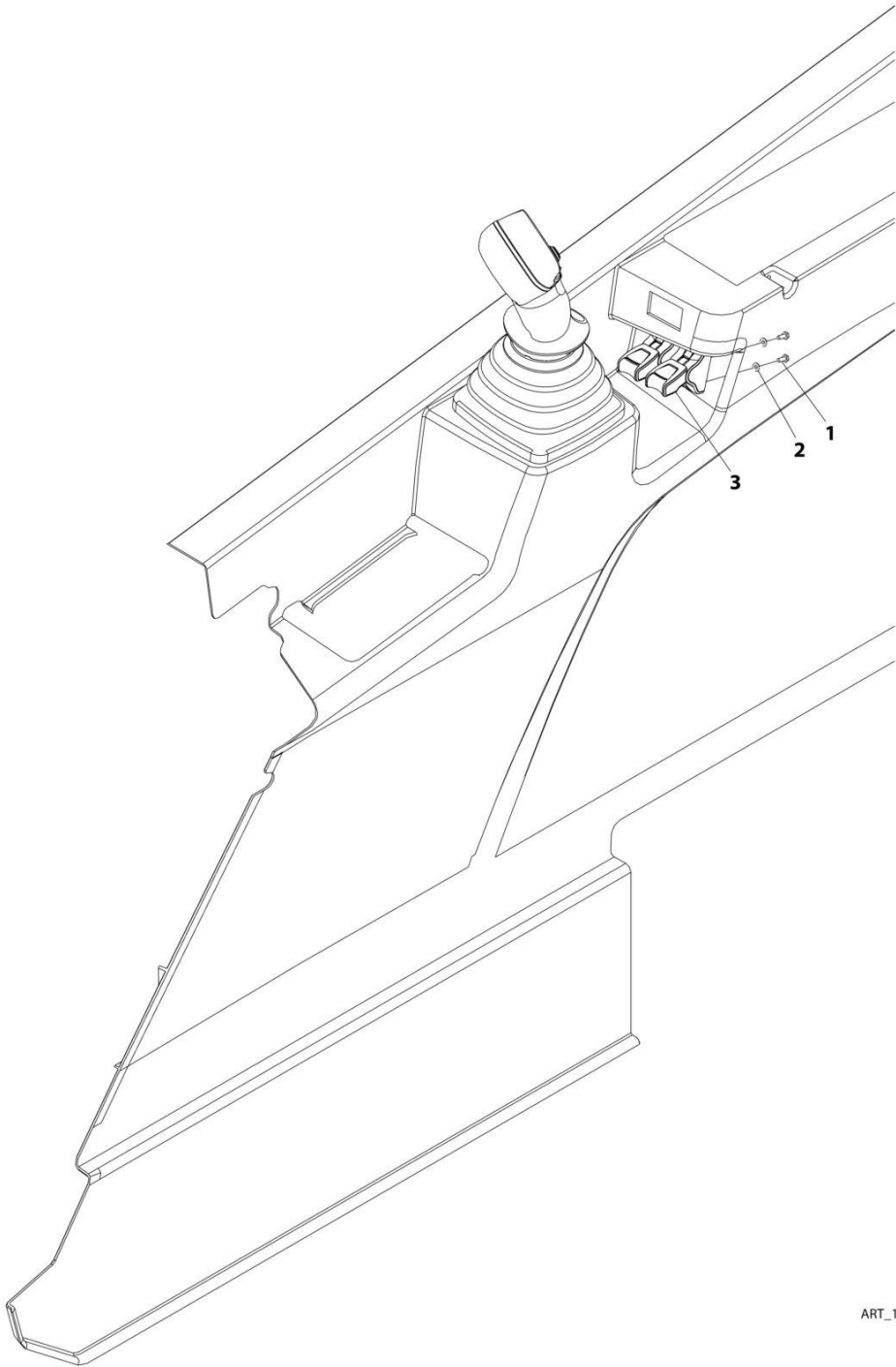
SECTION 10 - ELECTRICAL

FIGURE 10-28. CAB OPTION HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243044	Ref	Cab Option Harness	D
1	4461015	1	Connector	
2	4460465	9	Terminal	
3	4460466	2	Plug	
4	4460942	1	Terminal	
5	1001144147	1	Connector	
6	4460943	2	Terminal	
7	4460466	1	Plug	
8	4460897	1	Connector	
9	4460941	1	Terminal	
10	4460466	1	Plug	
11	1001130962	1	Connector	
12	4460465	4	Terminal	
13	4460932	1	Connector	
14	4460464	3	Terminal	
15	4460466	1	Plug	
16	4460891	1	Connector	
17	4460465	2	Terminal	
18	4460466	4	Plug	
19	4460884	1	Plug	
20	1001116815	1	Plug - 3 Position	

SECTION 10 - ELECTRICAL

FIGURE 10-29. CAB - OUTRIGGER SWITCHES INSTALLATION



ART_1001174478-C

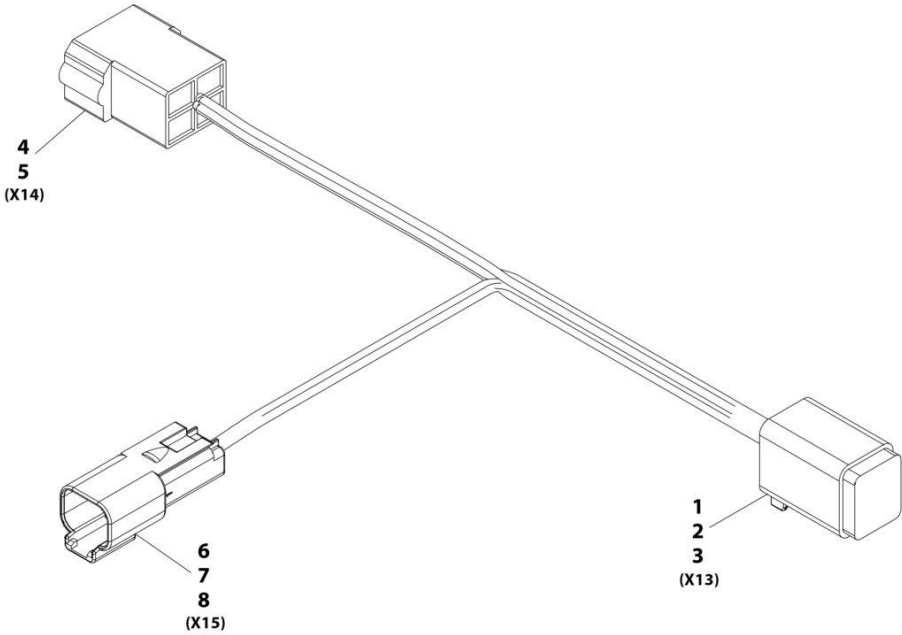
SECTION 10 - ELECTRICAL

FIGURE 10-29. CAB - 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 10 - ELECTRICAL

FIGURE 10-30. CAB - SEAT ADAPTOR HARNESS



ART_1001168531-A

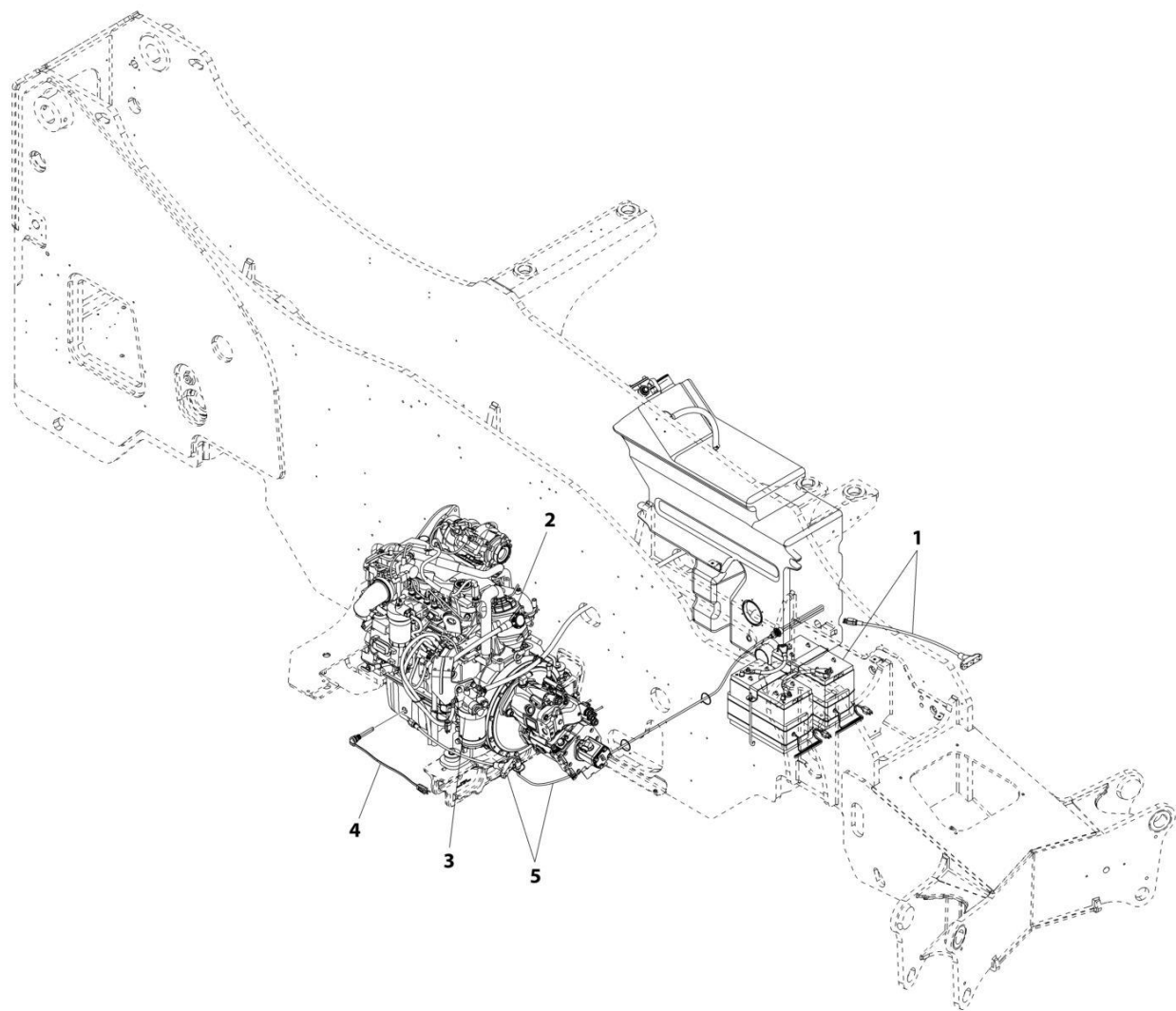
SECTION 10 - ELECTRICAL

FIGURE 10-30. CAB - SEAT ADAPTOR HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001168531	Ref	Seat Adaptor Harness	A
1	4460894	1	Connector	
2	91504107	1	Lock, Connector	
3	4460465	6	Terminal	
4	1001117011	1	Connector	
5	1001116700	3	Terminal	
6	4460897	1	Connector	
7	80604017	1	Lock, Connector	
8	4460943	2	Terminal	

SECTION 10 - ELECTRICAL

FIGURE 10-31. COLD WEATHER PACKAGE INSTALLATION (ARCTIC)



ART_1001207863-A

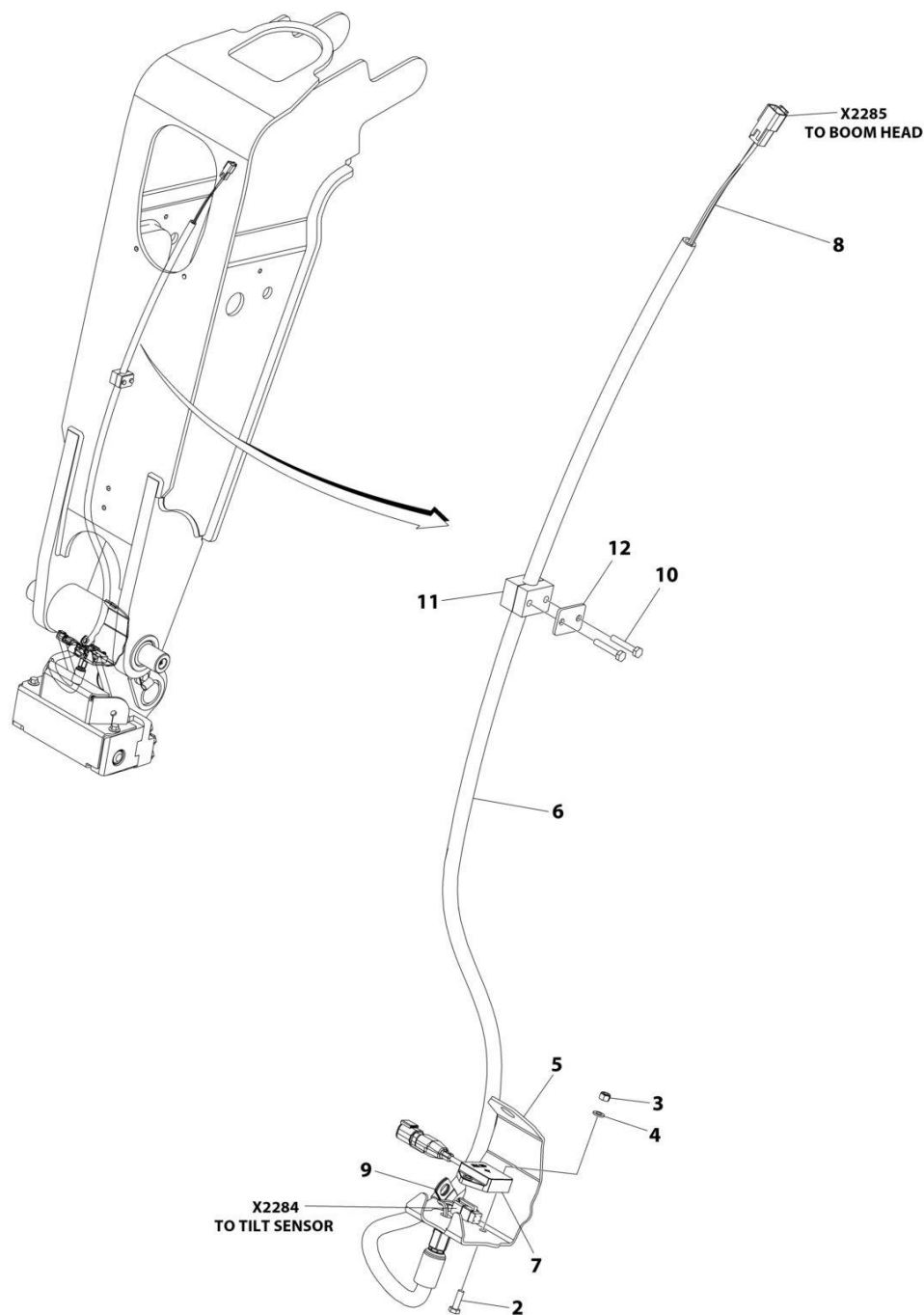
SECTION 10 - ELECTRICAL

FIGURE 10-31. COLD WEATHER PACKAGE INSTALLATION (ARCTIC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001207863	Ref	Arctic Weather Package Installation	A
	1001195582	Ref	Arctic Batteries Installation (See Separate Breakdown in this Section)	
2	1001246882	Ref	Breather Tube Heater Installation (See Separate Breakdown in Engine and Attaching Parts Section)	
3	1001247501	Ref	Fuel Filter Heater Installation (See Separate Breakdown in this Section)	
4	1001247528	Ref	Oil Pan Heater Installation (See Separate Breakdown in this Section)	
5	1001247917	Ref	Hydraulic Tank Heater Installation (See Separate Breakdown in this Section)	

SECTION 10 - ELECTRICAL

FIGURE 10-32. COUPLER ANGLE SENSOR INSTALLATION



ART_1001250380

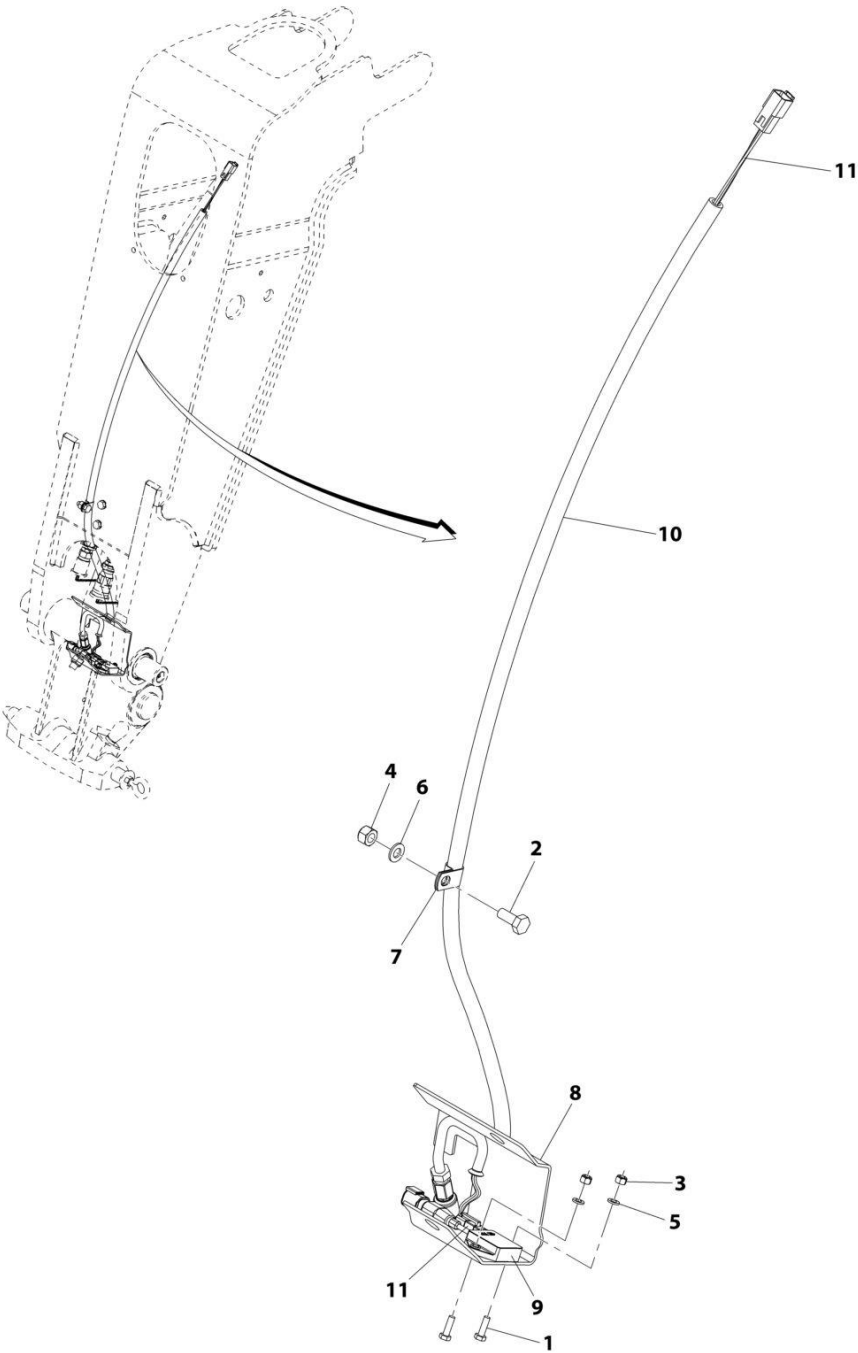
SECTION 10 - ELECTRICAL

FIGURE 10-32. COUPLER ANGLE SENSOR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250380	Ref	COUPLER ANGLE SENSOR INSTALLATION	C
2	0700610	2	Bolt M6 x 20	
3	3290605	2	Locknut M6 x 1 Grd8	
4	4811700	2	Washer M6	
5	1001270982	1	Plate, Sensor Mount	
6	1001250279	1	Hose	
7	1001256555	1	Sensor, Tilt Dual Axis	
8	1001256558	1	Harness, Tilt Sensor Jumper (See Separate Breakdown in this Section)	
9	91143122	1	Clamp	
10	0760615	2	Bolt M6 x 35	
11	77133497	1	Clamp Set	
12	1001105093	1	Clamp Cover Plate	

SECTION 10 - ELECTRICAL

FIGURE 10-33. COUPLER ANGLE SENSOR INSTALLATION (MANUAL COUPLER)



ART_1001250379-A

SECTION 10 - ELECTRICAL

FIGURE 10-33. COUPLER ANGLE SENSOR INSTALLATION (MANUAL COUPLER)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250379	Ref	Coupler Angle Sensor Installation (Man Coupler)	A
1	0700610	2	Bolt, M6 X 20	
2	0761012	1	Bolt, M10X25	
3	3290605	2	Nut, Lock M6X1 Grade 8	
4	3291005	1	Nut, Lock M10X1.5	
5	4811700	2	Washer, M6	
6	4812000	1	Washer, M10	
7	8406101	1	Clip	
8	1001250381	1	Bracket, Sensor Mount	
9	1001256555	1	Sensor, Tilt Dual Axis	
10	1001250279	1	Hose	
11	1001256558	1	Harness, Tilt Sensor Jumper (See Separate Breakdown in this Section)	

SECTION 10 - ELECTRICAL

FIGURE 10-34. COUPLER - TILT SENSOR JUMPER HARNESS



ART_1001256558-A

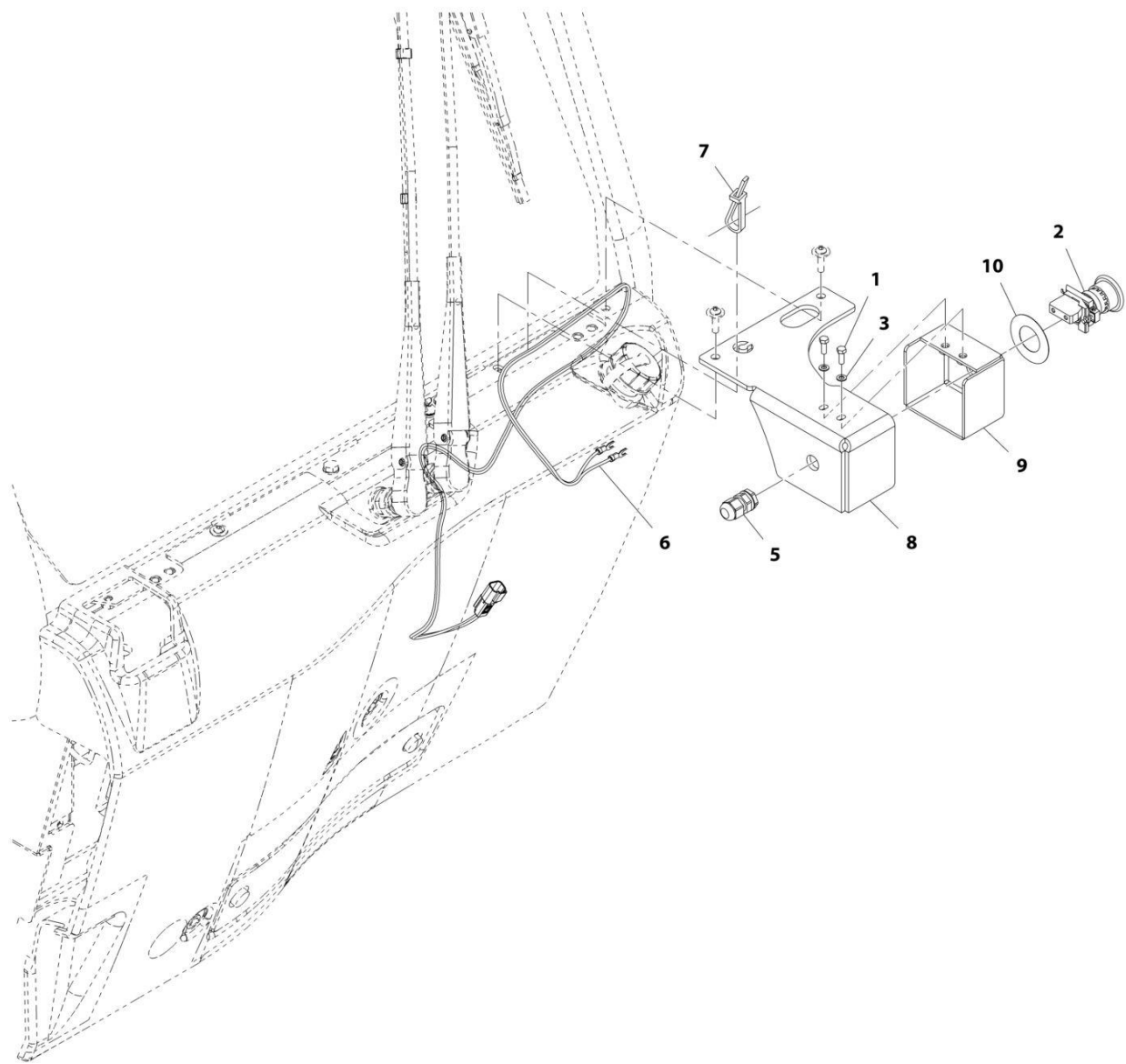
SECTION 10 - ELECTRICAL

FIGURE 10-34. COUPLER - TILT SENSOR JUMPER HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256558	Ref	Tilt Sensor Jumper Harness	A
1	1001097051	1	Connector	
2	4460929	4	Terminal	
3	4461077	1	Connector	
4	4460928	4	Terminal	

SECTION 10 - ELECTRICAL

FIGURE 10-35. EMERGENCY STOP EXTERNAL INSTALLATION



ART_1001195721-C

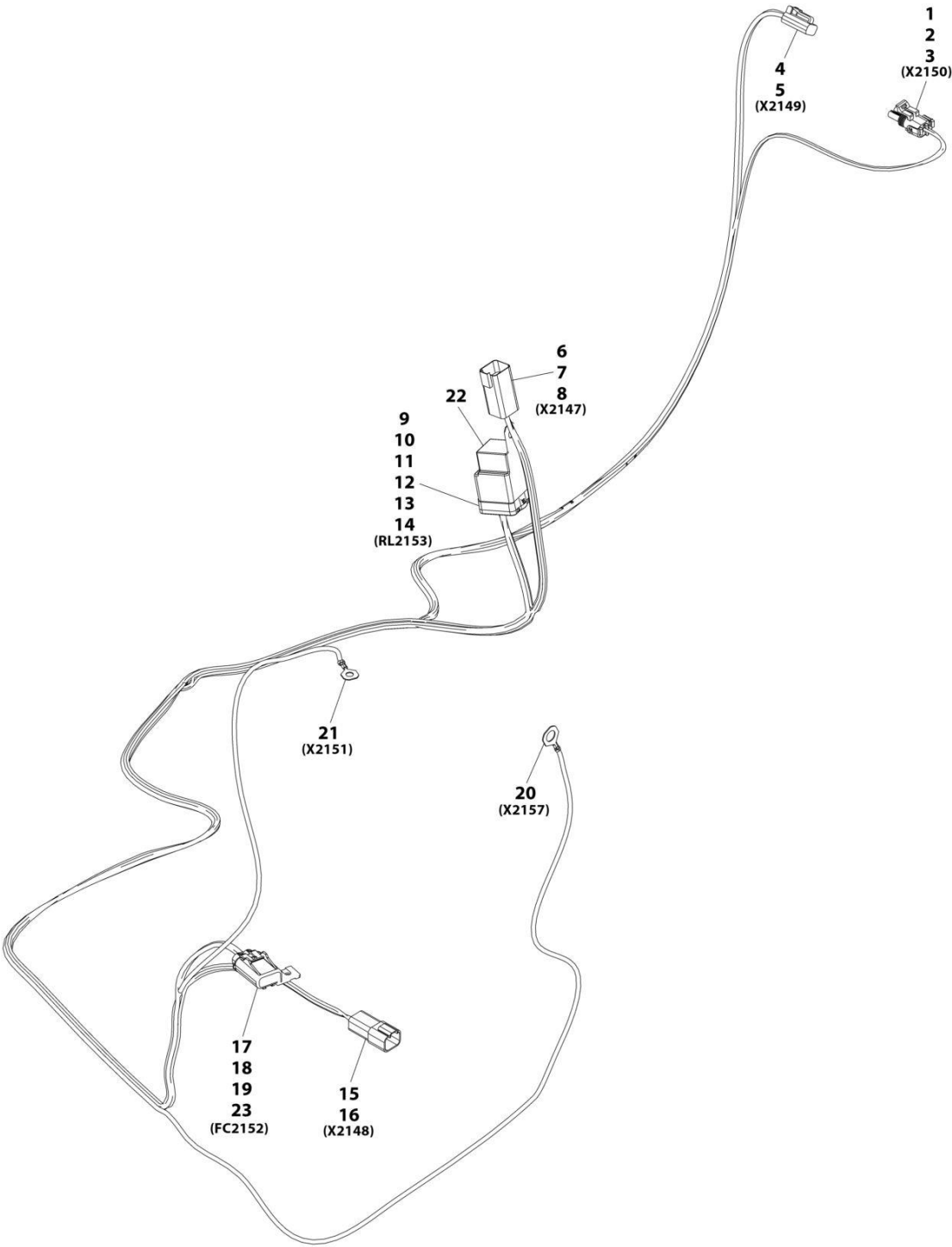
SECTION 10 - ELECTRICAL

FIGURE 10-35. EMERGENCY STOP EXTERNAL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001195721	Ref	Emergency Stop External Installation	C
1	0760507	2	Bolt, M5X14	
2	4360475	1	Switch, E-Stop	
3	4811600	2	Washer, M5	
5	4461000	1	Connector	
6	1001217320	1	Harness, External EMS	
7	1001008559	1	Strap, Tie	
8	1001220859	1	Bracket	
9	1001220861	1	Shield	
10	1704260	1	Decal, EMS	

SECTION 10 - ELECTRICAL

FIGURE 10-36. ENGINE - AIR SHUT OFF VALVE HARNESS (ASOV)



ART_1001243540-B

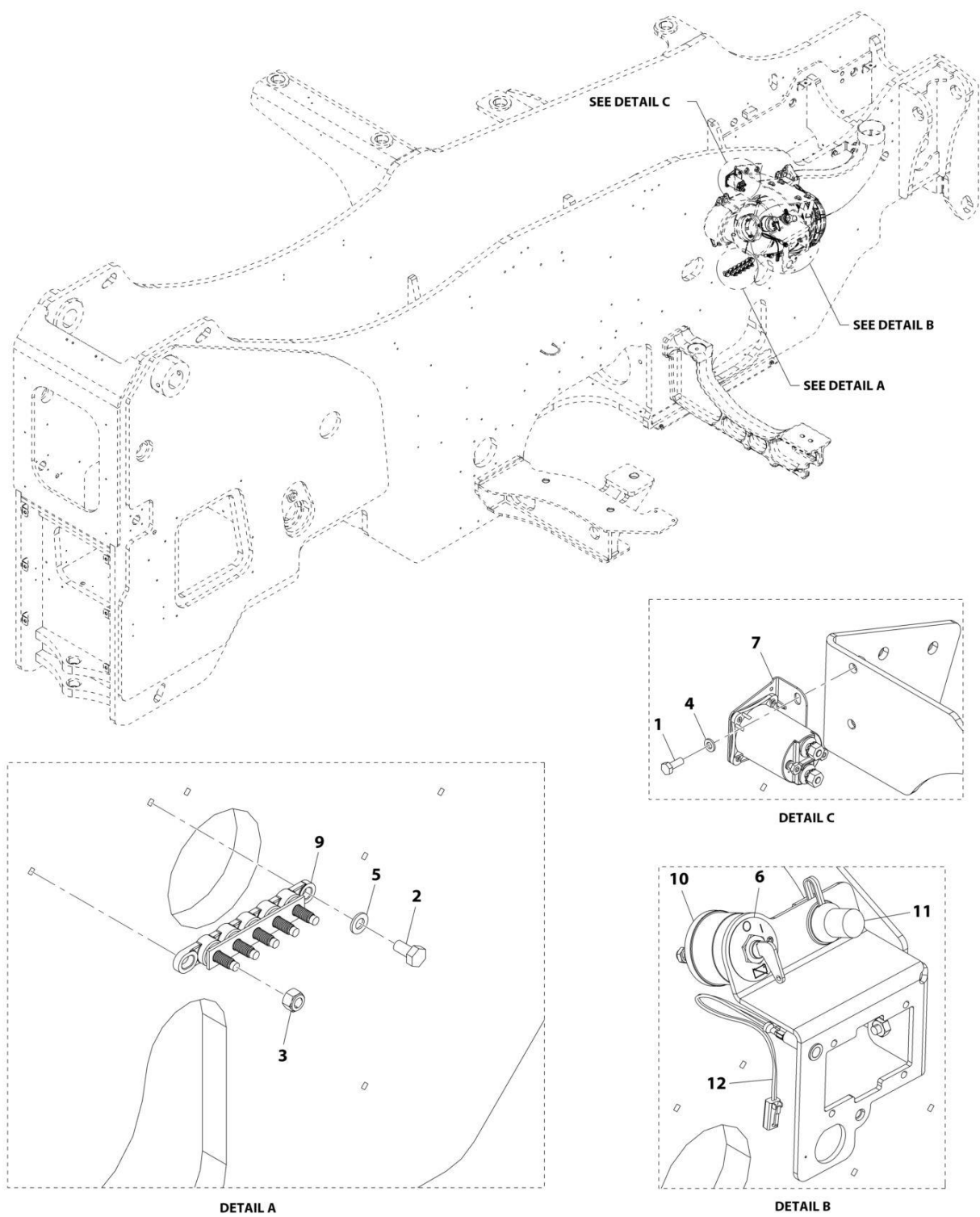
SECTION 10 - ELECTRICAL

FIGURE 10-36. ENGINE - AIR SHUT OFF VALVE HARNESS (ASOV)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243540	Ref	ASOV Harness	B
1	4460742	1	Connector	
2	4460475	2	Terminal	
3	4460458	2	Seal	
4	4460891	1	Connector	
5	1001157890	2	Terminal	
6	4460899	1	Connector	
7	4460464	5	Terminal	
8	4460466	1	Plug	
9	1001231398	1	Connector	
10	1001231401	2	Terminal	
11	1001231400	2	Terminal	
12	1001231406	1	Plug	
13	1001231402	2	Seal	
14	1001231404	2	Seal	
15	4460932	1	Connector	
16	4460464	4	Terminal	
17	1001231397	1	Connector	
18	1001231401	2	Terminal	
19	1001231402	2	Seal	
20	1001187078	1	Ring Terminal	
21	1001207171	1	Ring Terminal	
22	3740080	1	Relay, Weather Proof	
23	8229235	1	Fuse	

SECTION 10 - ELECTRICAL

FIGURE 10-37. ENGINE BAY ELECTRICAL INSTALLATION



ART_1001201199-A

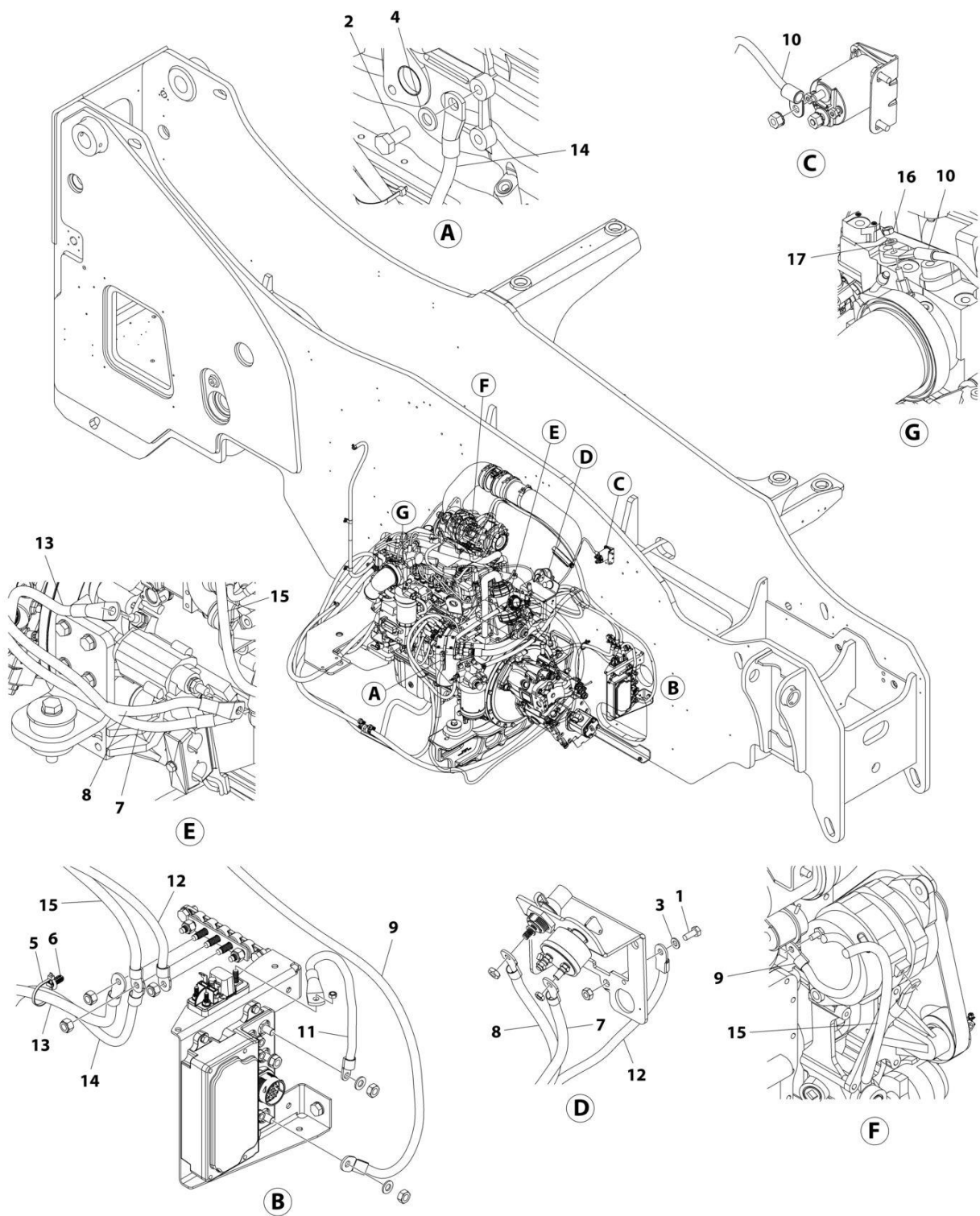
SECTION 10 - ELECTRICAL

FIGURE 10-37. ENGINE BAY ELECTRICAL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001201199	Ref	Engine Bay Electrical Installation	A
1	0760608	2	Bolt, M6X16	
2	0761010	2	Bolt, M10X20	
3	3291005	5	Nut, lock M10X1.5	
4	4811700	2	Washer, M6	
5	4812000	2	Washer, M10	
6	1001008540	1	Plate, Battery	
7	1001117308	1	Relay, 200 Amp	
9	1001181128	1	Bussbar	
10	1001192142	1	Switch, Disconnect	
11	1001193993	1	Terminal, Battery	
12	1001232288	1	Harness, DEF Purge Light (See Separate Breakdown in this Section)	

SECTION 10 - ELECTRICAL

FIGURE 10-38. ENGINE BAY WIRING INSTALLATION



ART_1001236674

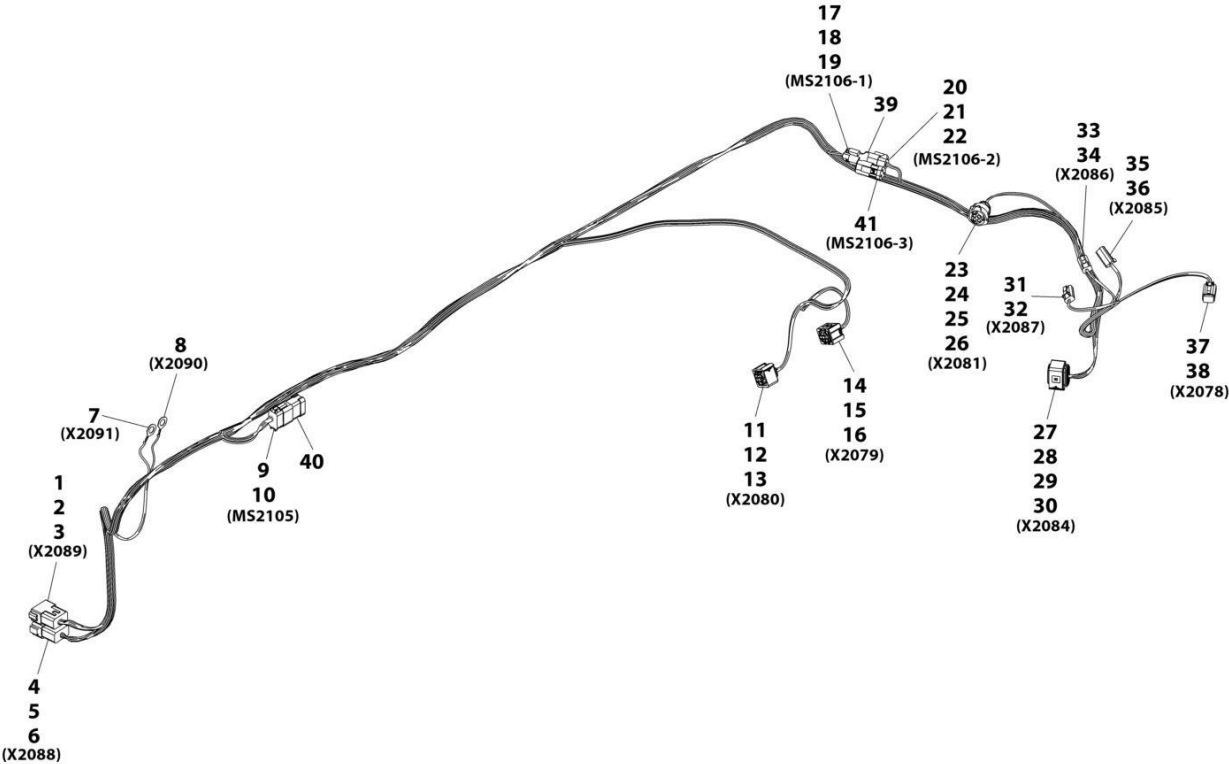
SECTION 10 - ELECTRICAL

FIGURE 10-38. ENGINE BAY WIRING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236674	Ref	ENGINE BAY WIRING INSTALLATION	C
1	0760810	1	Bolt M8 x 20	
2	0761212	1	Bolt M12 x 25	
3	4811900	1	Washer M8	
4	4812100	1	Washer M12	
5	1001008559	1	Strap, Cable	
6	1001202986	1	Strap Push Mount	
7	1001239061	1	Cable, Starter to Battery Disconnect	
8	1001239062	1	Cable, Starter to Remote B+	
9	1001239125	1	Cable, PDM to ALT+	
10	1001239126	1	Cable, Grid Heater	
11	1001239127	1	Cable, PDM to Power Fuse Module	
12	1001239186	1	Cable, Ground Buss to Remote Ground	
13	1001239187	1	Cable, Starter Ground	
14	1001239188	1	Cable, Engine Ground	
15	1001242109	1	Cable, Alt Ground	
16	3290601	1	Nut M6	
17	4811700	1	Washer M6	

SECTION 10 - ELECTRICAL

FIGURE 10-39. ENGINE - ENGINE HARNESS (CUMMINS)



ART_1001239954-B

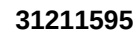
SECTION 10 - ELECTRICAL

FIGURE 10-39. ENGINE - ENGINE HARNESS (CUMMINS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239954	Ref	Cummins Engine Harness	B
1	4460970	1	Connector	
2	4460464	11	Terminal	
3	4460466	1	Plug	
4	4460950	1	Connector	
5	4460464	10	Terminal	
6	4460466	2	Plug	
7	1001187077	1	Terminal Ring	
8	1001187077	1	Terminal Ring	
9	4460930	1	Connector	
10	4460465	8	Terminal	
11	1001176935	1	Connector	
12	1001166704	4	Terminal	
13	1001137578	4	Seal	
14	1001167528	1	Connector	
15	1001166704	4	Terminal	
16	1001137578	4	Seal	
17	1001116812	1	Connector	
18	4460944	2	Terminal	
19	4460466	1	Plug	
20	4460539	1	Connector	
21	4460944	2	Terminal	
22	4460466	1	Plug	
23	1001167620	1	Connector	
24	1001176004	2	Terminal	
25	1001167624	2	Plug	
26	1001176002	2	Seal	
27	1001165194	1	Connector	
28	1001126391	2	Plug	
29	1001166703	10	Terminal	
30	1001223459	10	Seal	
31	4460891	1	Connector	
32	4460465	2	Terminal	
33	4460891	1	Connector	
34	4460465	2	Terminal	
35	4460891	1	Connector	
36	4460465	2	Terminal	
37	4460884	1	Connector	
38	4460465	4	Terminal	
39	4460945	1	Terminal, 3 Way "T" Receptacle	
40	4460984	1	Plug	
41	1001116815	1	Connector, 3 Pin	

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ART_1001239953

SECTION 10 - ELECTRICAL

FIGURE 10-40. ENGINE - ENGINE HARNESS (CUMMINS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239953	Ref	ENGINE HARNESS (CUMMINS)	D
1	1001167641	1	Connector	
2	1001195782	7	Plug	
3	1001195781	14	Plug	
4	1001125085	2	Terminal	
5	1001125089	1	Terminal	
6	1001167641	1	Connector	
7	1001167648	10	Terminal	
8	1001167650	55	Plug	
9	1001167649	31	Terminal	
10	4460894	1	Connector	
11	4460465	5	Terminal	
12	4460466	1	Plug	
13	4460891	1	Connector	
14	4460465	2	Terminal	
15	4460891	1	Connector	
16	4460465	2	Terminal	
17	4460891	1	Connector	
18	4460465	2	Terminal	
19	1001167641	1	Connector	
20	4460465	2	Terminal	
21	4460930	1	Connector	
22	4460465	8	Terminal	
23	4460933	1	Connector	
24	4460465	10	Terminal	
25	4460466	2	Plug	
26	4461095	1	Connector	
27	4460944	2	Terminal	
28	4460466	1	Plug	
29	1001126483	1	Connector	
30	1001167634	3	Terminal	
31	1001126485	3	Seal	
32	4460891	1	Connector	
33	4460465	2	Terminal	
34	1001126483	1	Connector	
35	1001167634	3	Terminal	
36	1001167634	3	Seal	
37	4460891	1	Connector	
38	4460465	2	Terminal	
39	1001207171	1	Ring Terminal	
40	1001207171	1	Ring Terminal	
41	1001148106	1	Connector	
42	4460464	20	Terminal	
43	4460466	3	Plug	
44	1001207171	1	Connector	
45	4460465	11	Terminal	
46	4460466	1	Plug	
47	4460836	1	Connector	
48	4460465	10	Terminal	
49	4460466	2	Plug	

SECTION 10 - ELECTRICAL

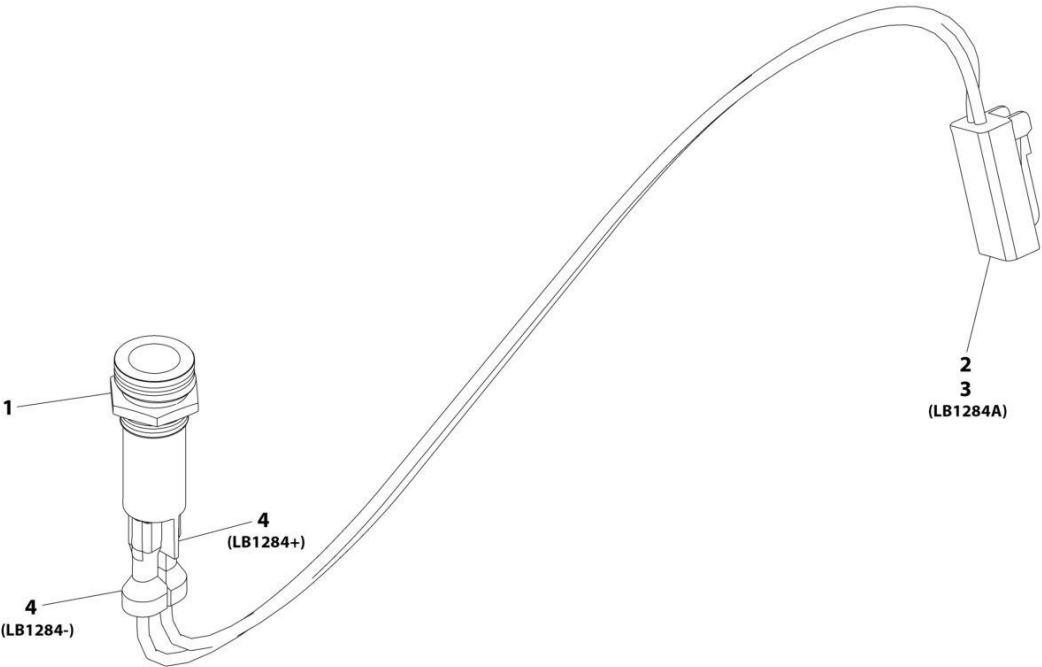
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	1001116811	1	Connector	
51	4460508	3	Terminal	
52	1001150610	1	Terminal	
53	1001187079	1	Ring, Terminal	
54	4461261	1	Connector	
55	1001150611	1	Terminal	
56	1001187079	1	Ring, Terminal	
57	1001167616	1	Connector	
58	4460748	10	Plug	
59	1001190921	1	Seal, Foam Fuse Box	
60	1001116725	1	Terminal	
61	8220098	8	Terminal	
62	8220097	26	Terminal	
63	80963067	2	Seal	
64	4460789	9	Seal	
65	4460458	25	Seal	
66	8229244	2	Fuse, 15amp	
67	80983191	2	Fuse, 10amp	
68	8229242	1	Fuse, 5amp	
69	8229243	1	Fuse, 7.5amp	
70	1001205172	1	Relay, 35amp	
72	1001112612	1	Connector	
73	4460464	4	Terminal	
74	4460466	5	Plug	
75	1001116812	1	Connector	
76	4460465	1	Terminal	
77	4460466	1	Plug	
78	1001187070	1	Ring, Terminal	
79	1001187070	1	Ring, Terminal	
80	1001125027	1	Connector	
81	8220124	3	Terminal	
82	4460608	3	Seal	
87	1001246391	1	Connector	
88	1001153612	1	Connector	
89	1001126011	2	Terminal	
90	4460891	1	Connector	
91	4460465	2	Terminal	
92	1001176935	1	Connector	
93	1001166704	4	Terminal	
94	4461006	4	Seal	
95	1001126487	1	Connector	
96	1001167656	2	Terminal	
97	1001167657	2	Seal	
98	1001167528	1	Connector	
99	1001166704	4	Terminal	
100	4461006	4	Seal	
101	4460466	11	Terminal	
102	4460897	1	Connector	
103	4460899	1	Terminal	
104	4460984	1	Plug	
105	4461070	1	Connector	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
107	1001125677	1	Connector	
108	1001144147	1	Terminal	

SECTION 10 - ELECTRICAL

FIGURE 10-41. ENGINE - DEF PURGE LIGHT HARNESS



ART_1001232288-A

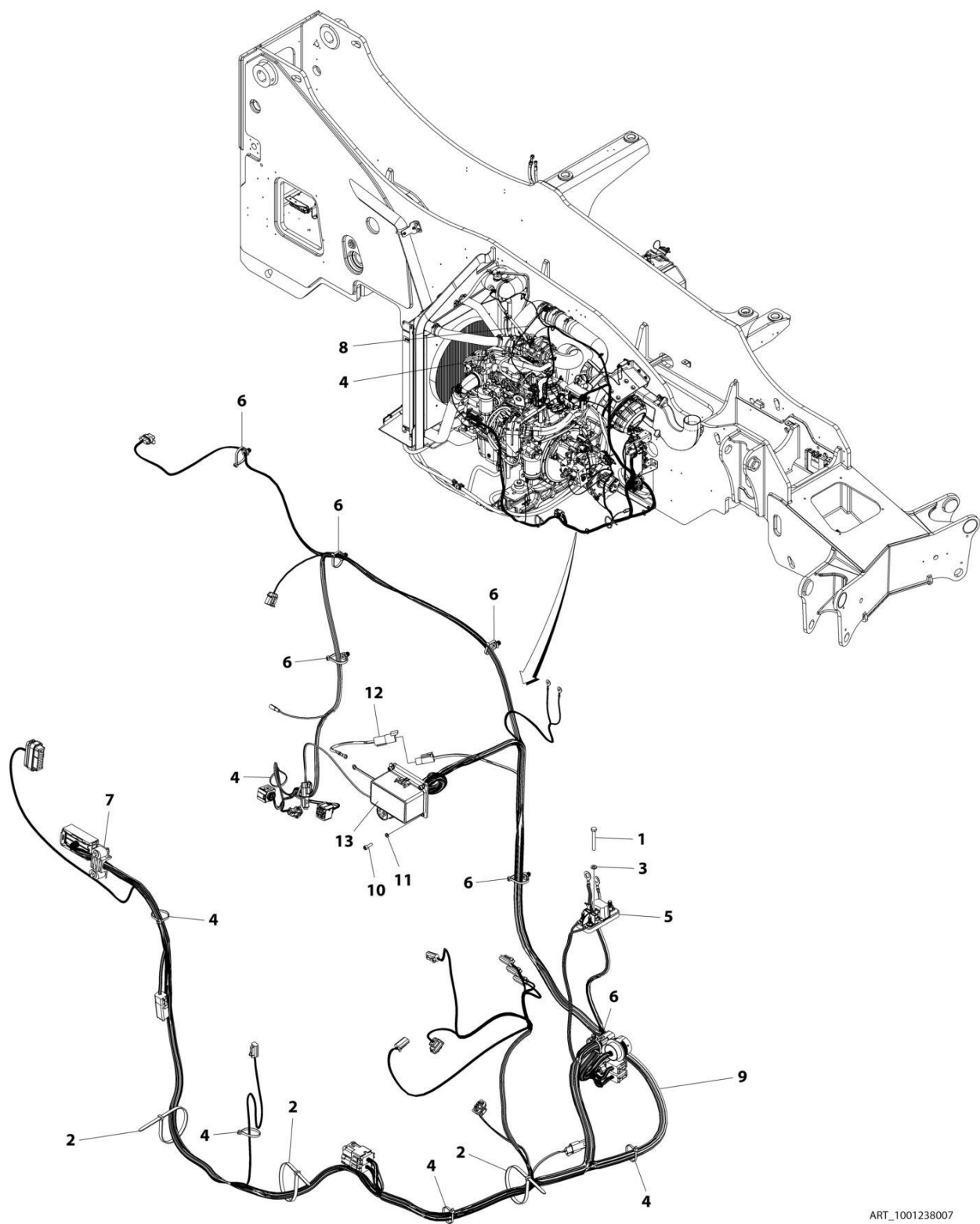
SECTION 10 - ELECTRICAL

FIGURE 10-41. ENGINE - DEF PURGE LIGHT HARNESS

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 10-42. ENGINE WIRING INSTALLATION



ART_1001238007

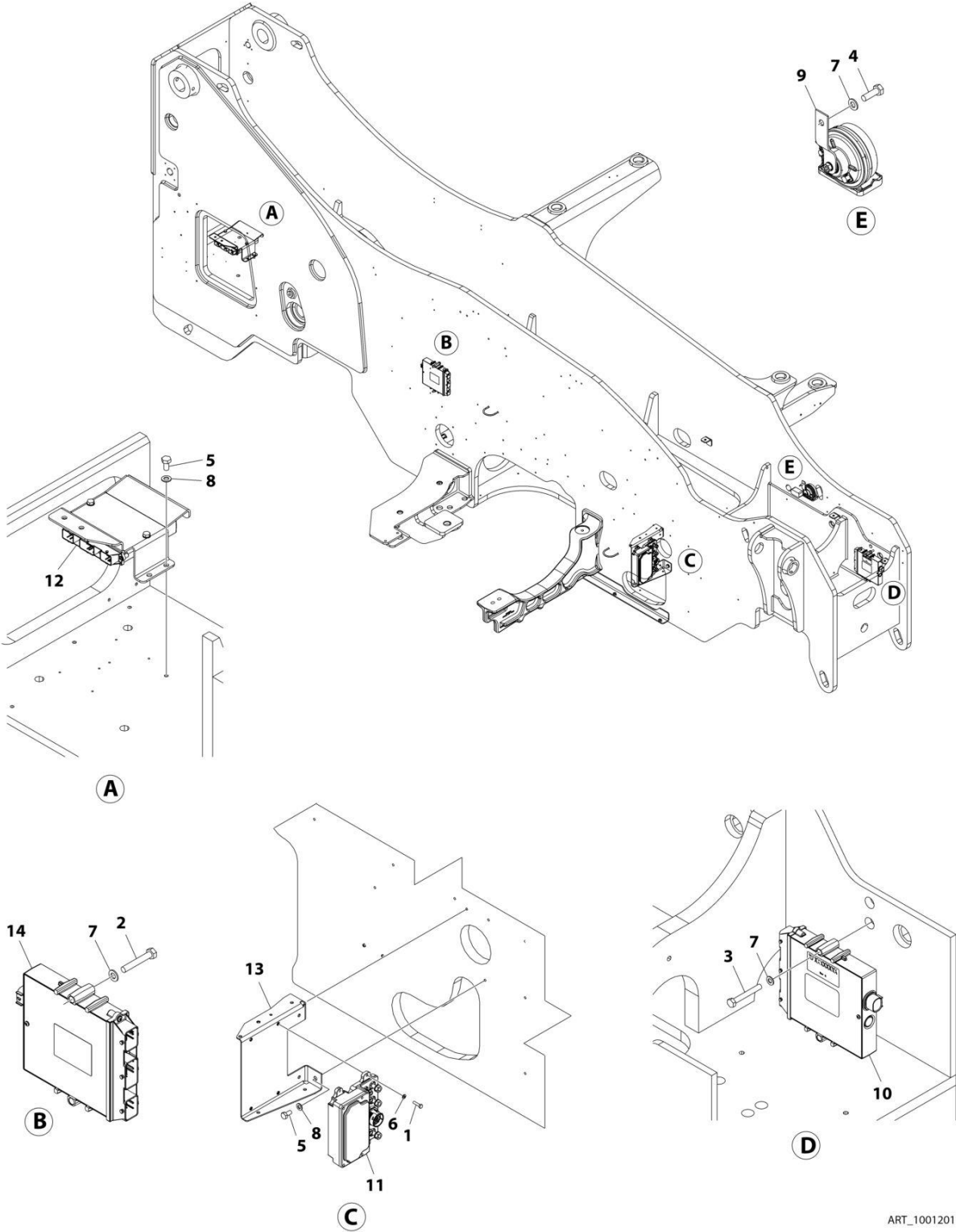
SECTION 10 - ELECTRICAL

FIGURE 10-42. ENGINE WIRING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238007	Ref	Engine Wiring Installation	C
1	0700618	1	Bolt, M6X50	
2	1062255	3	Strap, Tie	
3	4811700	1	Washer, M6	
4	1001008559	9	Strap	
5	1001131177	1	Fuse	
6	1001146588	6	Strap, Cable Tie	
7	1001167646	1	Bracket	
8	1001184835	1	Harness, TBAP (See Separate Breakdown in this Section)	
9	1001239953	1	Harness, Engine (See Separate Breakdown in this Section)	
10	4031607	4	Bolt, M5X16	
11	4831600	4	Washer, Lock M5	
12	1001255725	1	Harness, Starter Solenoid Jumper	
13	1001250171	1	Decal, Fuse	

SECTION 10 - ELECTRICAL

FIGURE 10-43. FRAME ELECTRICAL INSTALLATION



ART_1001201198

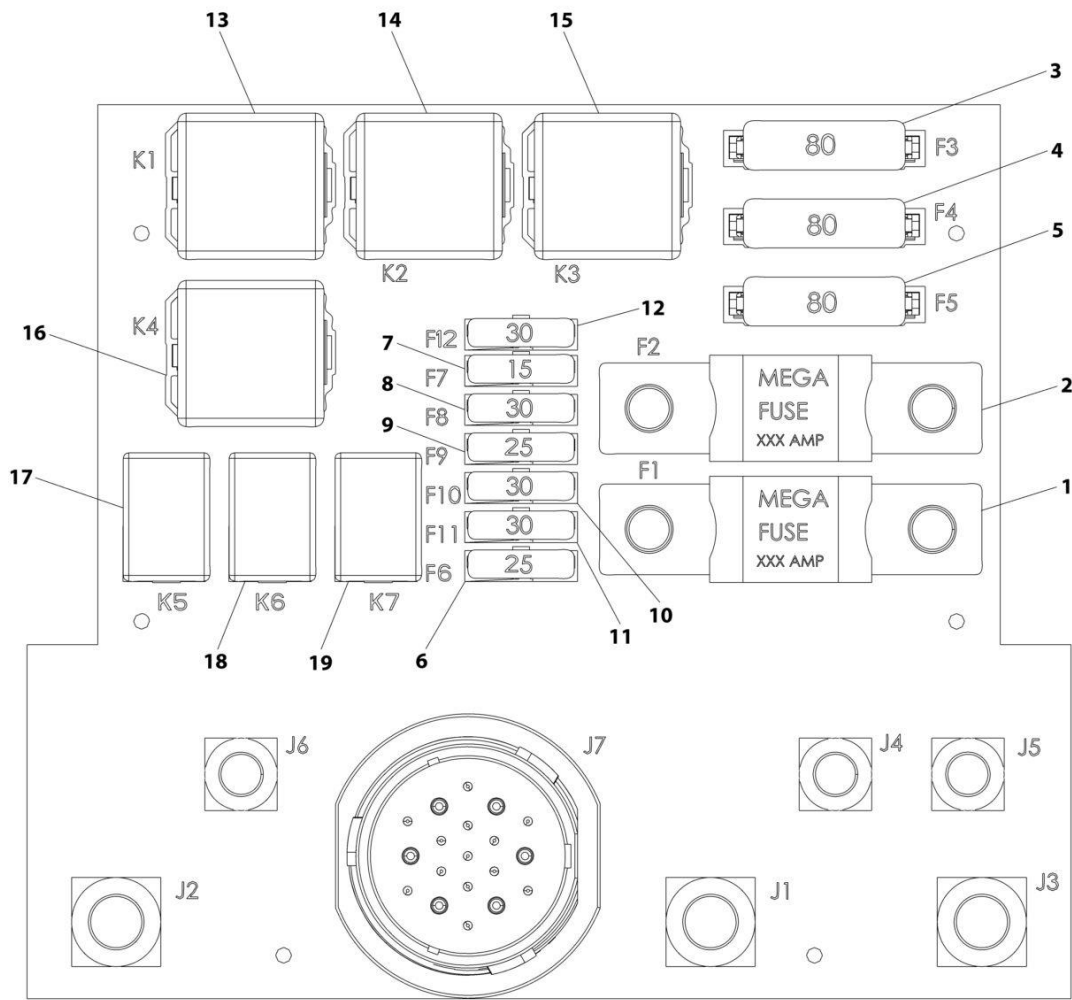
SECTION 10 - ELECTRICAL

FIGURE 10-43. FRAME ELECTRICAL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001201198	Ref	Frame Electrical Installation	C
1	0700612	4	Bolt M6 x 25	
2	0700818	2	Bolt M8 x 50	
3	0700820	2	Bolt M8 x 60	
4	0760812	1	Bolt M8 x 25	
5	0761010	4	Bolt M10 x 20	
6	4811700	4	Washer M6	
7	4811900	5	Washer M8	
8	4812000	4	Washer M10	
9	1001264995	1	Horn	
10	1001162253	1	Module, Front Frame	
11	1001164402	1	Box, Power Distribution Electrical (See Separate Breakdown in this Section)	
12	1001210770	1	Rear Frame Module Installation, (See Separate Breakdown in this Section)	
13	1001246929	1	Bracket	
14	1001248024	1	Module, Transmission	

SECTION 10 - ELECTRICAL

FIGURE 10-44. FRAME - ELECTRICAL POWER DISTRIBUTION BOX



ART_1001164402-G

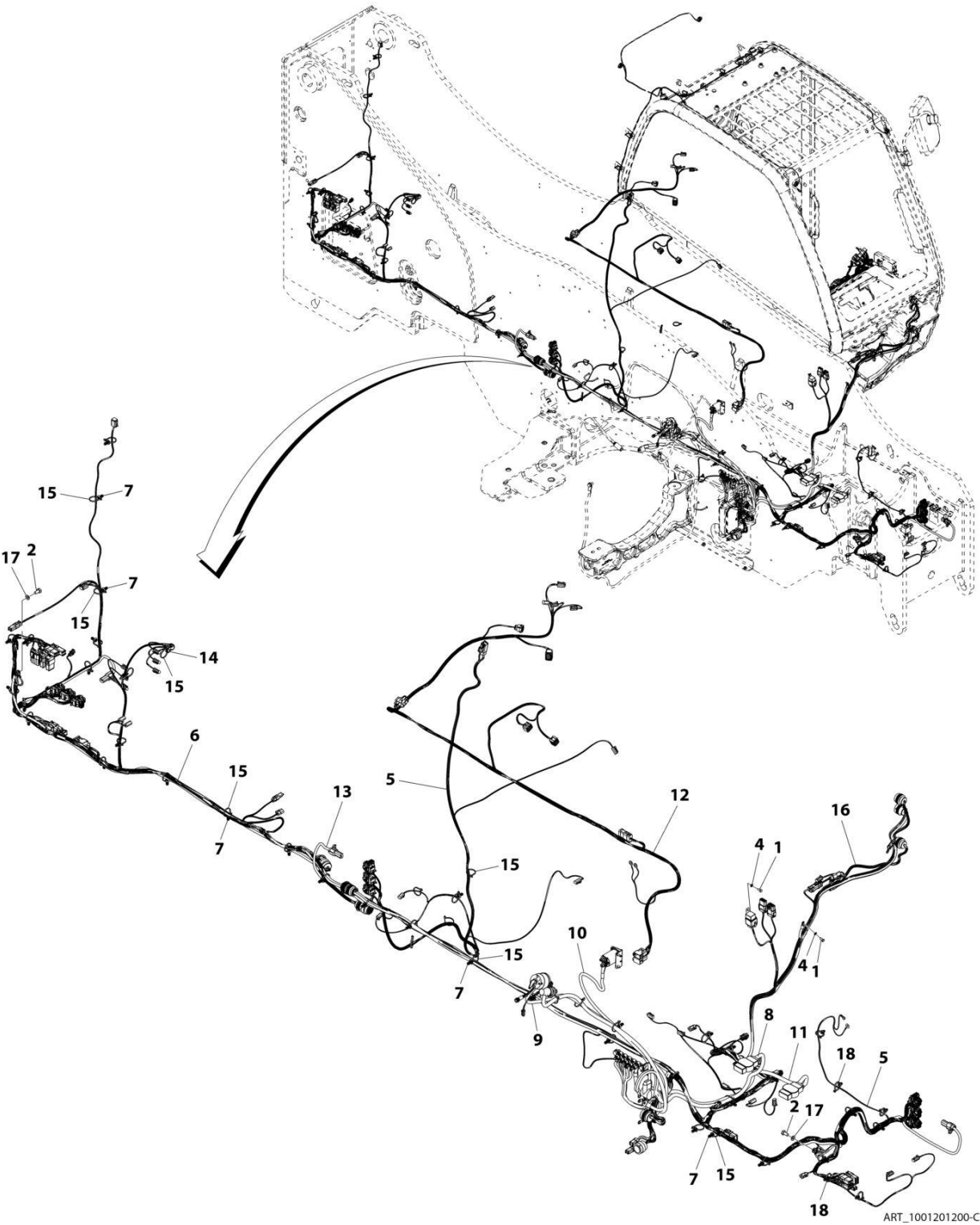
SECTION 10 - ELECTRICAL

FIGURE 10-44. FRAME - ELECTRICAL 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 10-45. FRAME WIRING INSTALLATION



ART_1001201200-C

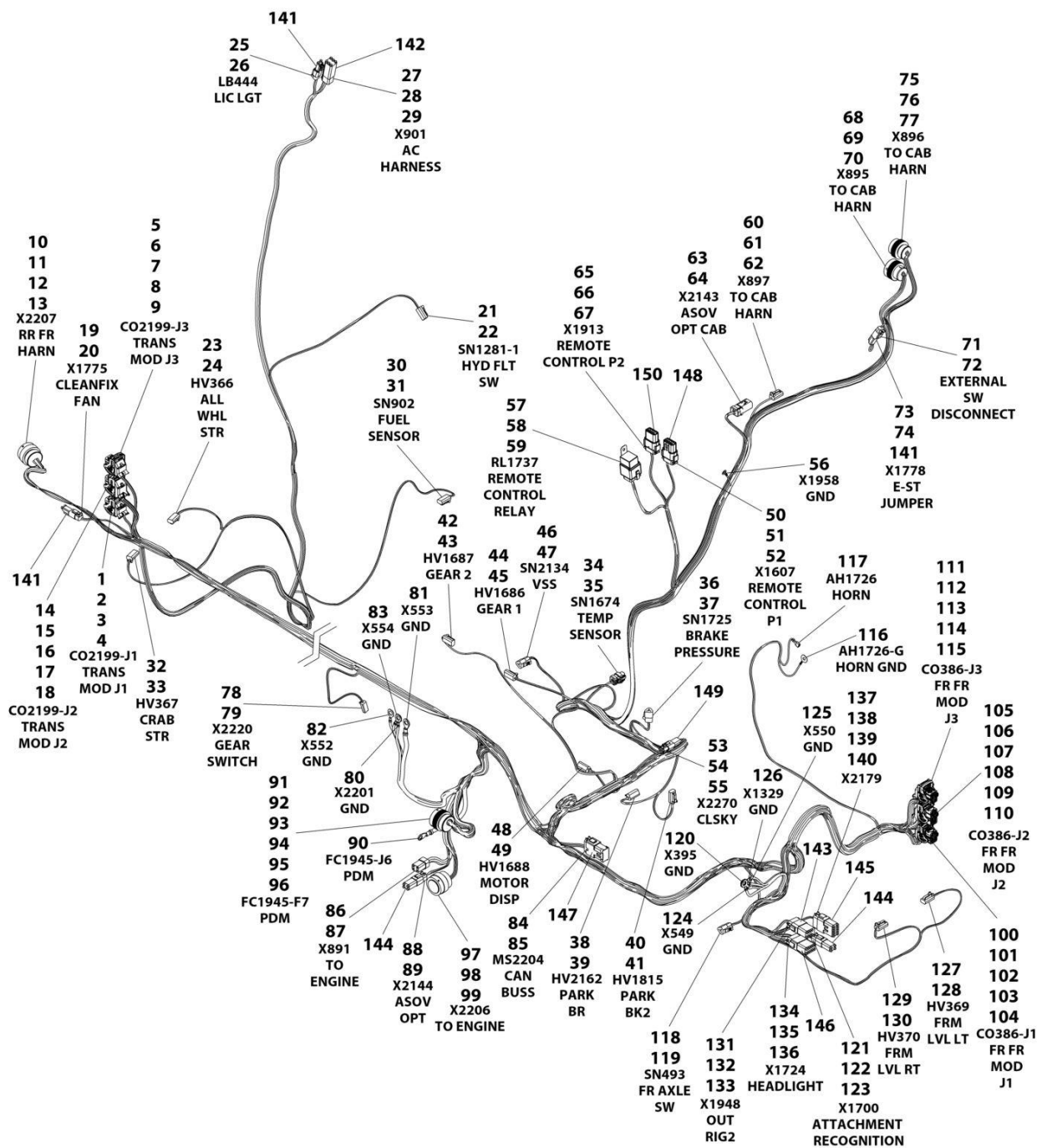
SECTION 10 - ELECTRICAL

FIGURE 10-45. FRAME WIRING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001201200	Ref	Frame Wiring Installation	C
1	0760607	2	Bolt, M6X14	
2	0761010	2	Bolt, M10X20	
4	4811700	2	Washer, M6	
5	1001201202	1	Harness, Front Frame (See Separate Breakdown in this Section)	
6	1001259494	1	Harness, Rear Frame (See Separate Breakdown in this Section)	
7	1001202986	37	Strap Push Mount	
8	1001239059	1	Cable, Battery + to Battery Disconnect	
9	1001239060	1	Cable Battery Disconnect to PDM	
10	1001239128	1	Cable, PDM to Grid Heater	
11	1001239185	1	Cable, Battery Negative	
12	1001239954	1	Harness, Cummins Engine (See Separate Breakdown in this Section)	
13	1001245231	1	Harness, Front Frame Power (See Separate Breakdown in this Section)	
14	1001004723	2	Saddle	
15	1001008559	50	Tie, Strap	
16	1001243044	1	Harness, Cab Option (See Separate Breakdown in this Section)	
17	4812000	2	Washer, M10	
18	1001146588	5	Strap, Cable Tie	

SECTION 10 - ELECTRICAL

FIGURE 10-46. FRAME - FRONT FRAME HARNESS



ART_1001201202

SECTION 10 - ELECTRICAL

FIGURE 10-46. FRAME - FRONT FRAME HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001201202	Ref	Front Frame Harness	E
1	1001161958	1	Connector	
2	1001161097	3	Terminal	
3	1001161100	22	Plug	
4	1001161101	8	Plug	
5	1001160499	1	Connector	
6	1001161097	4	Terminal	
7	1001161100	20	Plug	
8	1001161101	7	Plug	
9	1001161099	1	Terminal	
10	1001147923	1	Connector	
11	4460465	11	Terminal	
12	4460942	2	Terminal	
13	4460466	10	Plug	
14	1001161964	1	Connector	
15	1001161097	7	Terminal	
16	1001161099	3	Terminal	
17	1001161100	33	Plug	
18	1001161101	5	Plug	
19	4460891	1	Connector	
20	4460465	2	Terminal	
21	4460891	1	Connector	
22	4460465	2	Terminal	
23	4460891	1	Connector	
24	4460465	2	Terminal	
25	4460891	1	Connector	
26	4460942	2	Terminal	
27	4460894	1	Connector	
28	4460942	4	Terminal	
29	4460465	2	Terminal	
30	4460891	1	Connector	
31	4460465	2	Terminal	
32	4460891	1	Connector	
33	4460465	2	Terminal	
34	1001116950	1	Connector	
35	4460465	2	Terminal	
36	4460539	1	Connector	
37	4460465	3	Terminal	
38	4460891	1	Connector	
39	4460465	2	Terminal	
40	4460891	1	Connector	
41	4460465	2	Terminal	
42	4460891	1	Connector	
43	4460465	2	Terminal	
44	4460891	1	Connector	
45	4460465	2	Terminal	
46	4460539	1	Connector	
47	4460465	3	Terminal	
48	4460891	1	Connector	
49	4460465	2	Terminal	

SECTION 10 - ELECTRICAL

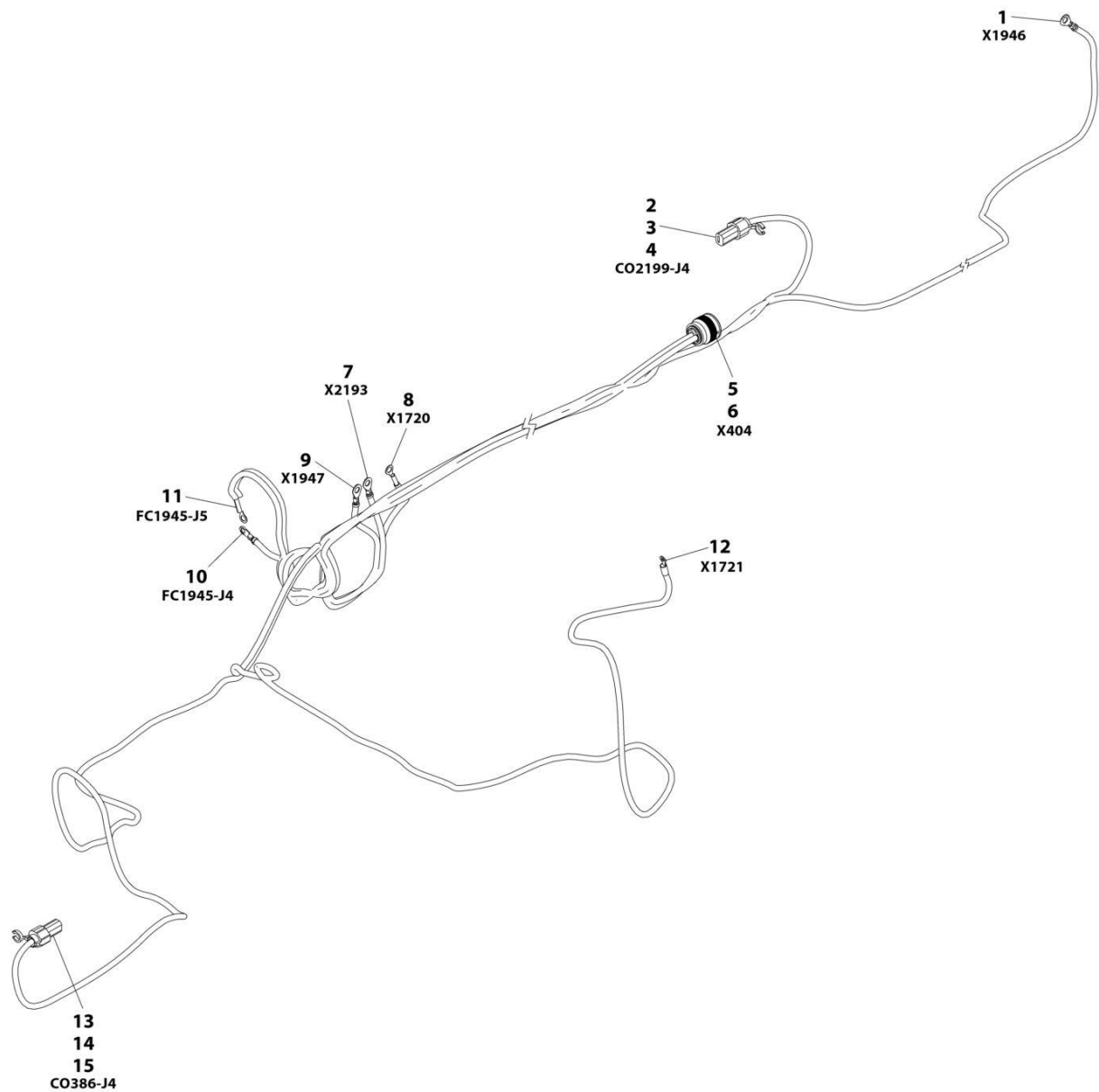
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	1001116774	1	Connector	
51	1001126008	2	Terminal	
52	4460518	10	Plug	
53	1001116812	1	Connector	
54	4460465	2	Terminal	
55	4460466	1	Plug	
56	1001207173	1	Ring, Terminal	
57	1001118282	1	Connector	
58	1001116732	4	Terminal	
59	1001128128	1	Plug	
60	4460891	1	Connector	
61	4460942	2	Terminal	
62	4460466	1	Plug	
63	1001195689	1	Connector	
64	4460464	4	Terminal	
65	1001116808	1	Connector	
66	1001126008	3	Terminal	
67	4460518	9	Plug	
68	1001118323	1	Connector	
69	4460942	4	Terminal	
70	91013192	2	Terminal	
71	4460891	1	Connector	
72	4460465	2	Terminal	
73	4460897	1	Connector	
74	4460464	2	Terminal	
75	4461015	1	Connector	
76	4460465	12	Terminal	
77	4460466	2	Plug	
78	4461290	1	Connector	
79	4460928	2	Terminal	
80	1001187079	1	Ring, Terminal	
81	1001187076	1	Ring, Terminal	
82	1001187079	1	Ring, Terminal	
83	1001187079	1	Ring, Terminal	
84	4460933	1	Connector	
85	4460465	12	Terminal	
86	1001116810	1	Connector	
87	1001150611	4	Terminal	
88	4460884	1	Connector	
89	4460465	4	Terminal	
90	1001187075	1	Ring, Terminal	
91	1001165309	1	Connector	
92	4460465	9	Terminal	
93	4460942	2	Terminal	
94	4460509	3	Terminal	
95	1001150611	3	Terminal	
96	4460466	1	Plug	
97	1001147923	1	Connector	
98	4460465	21	Terminal	
99	4460466	2	Plug	
100	1001161958	1	Connector	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
101	1001161097	15	Terminal	
102	1001161098	4	Terminal	
103	1001161100	9	Plug	
104	1001161101	4	Plug	
105	1001161964	1	Connector	
106	1001161097	25	Terminal	
107	1001161098	1	Terminal	
108	1001161099	6	Terminal	
109	1001161100	15	Plug	
110	1001161101	1	Plug	
111	1001160499	1	Connector	
112	1001161097	18	Terminal	
113	1001161099	7	Terminal	
114	1001161100	7	Plug	
115	1001161101	1	Plug	
116	1001187073	1	Ring, Terminal	
117	8220051	1	Ring, Terminal	
118	4460539	1	Connector	
119	4460465	3	Terminal	
120	1001187080	1	Ring, Terminal	
121	4460884	1	Connector	
122	4460465	3	Terminal	
123	4460942	1	Terminal	
124	1001187079	1	Ring, Terminal	
125	1001187079	1	Ring, Terminal	
126	1001187080	1	Ring, Terminal	
127	4460891	1	Connector	
128	4460465	2	Terminal	
129	4460891	1	Connector	
130	4460465	2	Terminal	
131	4460930	1	Connector	
132	4460465	6	Terminal	
133	4460466	2	Plug	
134	4460933	1	Connector	
135	4460942	10	Terminal	
136	4460466	2	Plug	
137	4460836	1	Connector	
138	4460465	12	Terminal	
139	4460466	53	Plug	
140	4460518	24	Plug	
141	4460897	3	Connector	
142	4460899	1	Terminal	
143	4460931	1	Connector	
144	4460932	2	Connector	
145	4460950	1	Connector	
146	4460970	1	Connector	
147	1001125677	1	Connector	
148	1001132169	1	Connector	
149	1001144147	1	Terminal	
150	1001132170	1	Connector	

SECTION 10 - ELECTRICAL

FIGURE 10-47. FRAME - FRONT FRAME POWER HARNESS



ART_1001245231

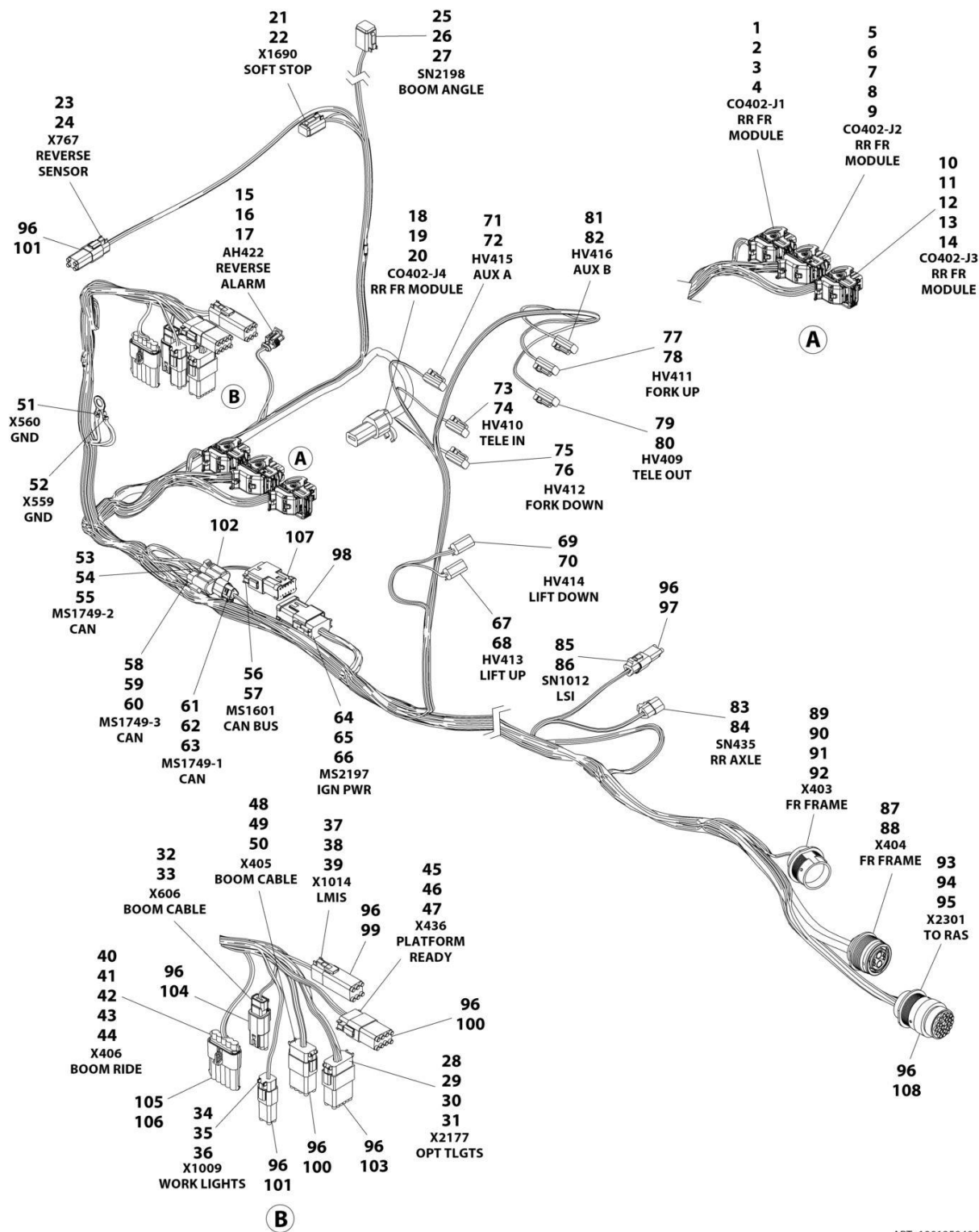
SECTION 10 - ELECTRICAL

FIGURE 10-47. FRAME - FRONT FRAME POWER HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245231	Ref	Front Frame Power Harness	C
1	1001187076	1	Terminal, Ring	
2	1001160509	1	Connector	
3	1001160510	1	Terminal	
4	1001175267	1	Seal	
5	1001165310	1	Connector	
6	91013192	2	Terminal	
7	1001187076	1	Terminal, Ring	
8	1001187076	1	Terminal, Ring	
9	1001187076	1	Terminal, Ring	
10	1001187075	1	Terminal, Ring	
11	1001128127	1	Terminal, Ring	
12	1001187075	1	Terminal, Ring	
13	1001160509	1	Connector	
14	1001160510	1	Terminal	
15	1001175267	1	Seal	

SECTION 10 - ELECTRICAL

FIGURE 10-48. FRAME - REAR FRAME POWER HARNESS



ART_1001259494

SECTION 10 - ELECTRICAL

FIGURE 10-48. FRAME - REAR FRAME POWER HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001259494	Ref	Front Frame Harness	A
1	1001161958	1	Connector	
2	1001161097	11	Terminal	
3	1001161100	13	Plug	
4	1001161101	8	Plug	
5	1001161964	1	Connector	
6	1001161097	28	Terminal	
7	1001161099	6	Terminal	
8	1001161100	12	Plug	
9	1001161101	2	Plug	
10	1001160499	1	Connector	
11	1001161097	8	Terminal	
12	1001161099	7	Terminal	
13	1001161100	16	Plug	
14	1001161101	1	Plug	
15	4461118	1	Connector	
16	1001107854	2	Terminal	
17	1001116763	2	Seal	
18	1001160509	1	Connector	
19	1001160510	1	Terminal	
20	1001175267	1	Seal	
21	4460884	1	Connector	
22	4460465	4	Terminal	
23	4460884	1	Connector	
24	4460465	4	Terminal	
25	4460894	1	Connector	
26	4460465	4	Terminal	
27	4460466	2	Plug	
28	4460933	1	Connector	
29	4460942	8	Terminal	
30	4460465	2	Terminal	
31	4460466	2	Plug	
32	4461018	1	Connector	
33	4460509	2	Terminal	
34	4460884	1	Connector	
35	4460465	2	Terminal	
36	4460466	2	Plug	
37	4460894	1	Connector	
38	4460465	3	Terminal	
39	4460466	3	Plug	
40	1001121726	1	Connector	
41	4460744	4	Terminal	
42	1001116727	1	Plug	
43	1001189877	3	Seal	
44	4460458	1	Terminal Seal	
45	4460930	1	Connector	
46	4460465	6	Terminal	
47	4460466	2	Plug	
48	4460930	1	Connector	
49	4460465	6	Terminal	

SECTION 10 - ELECTRICAL

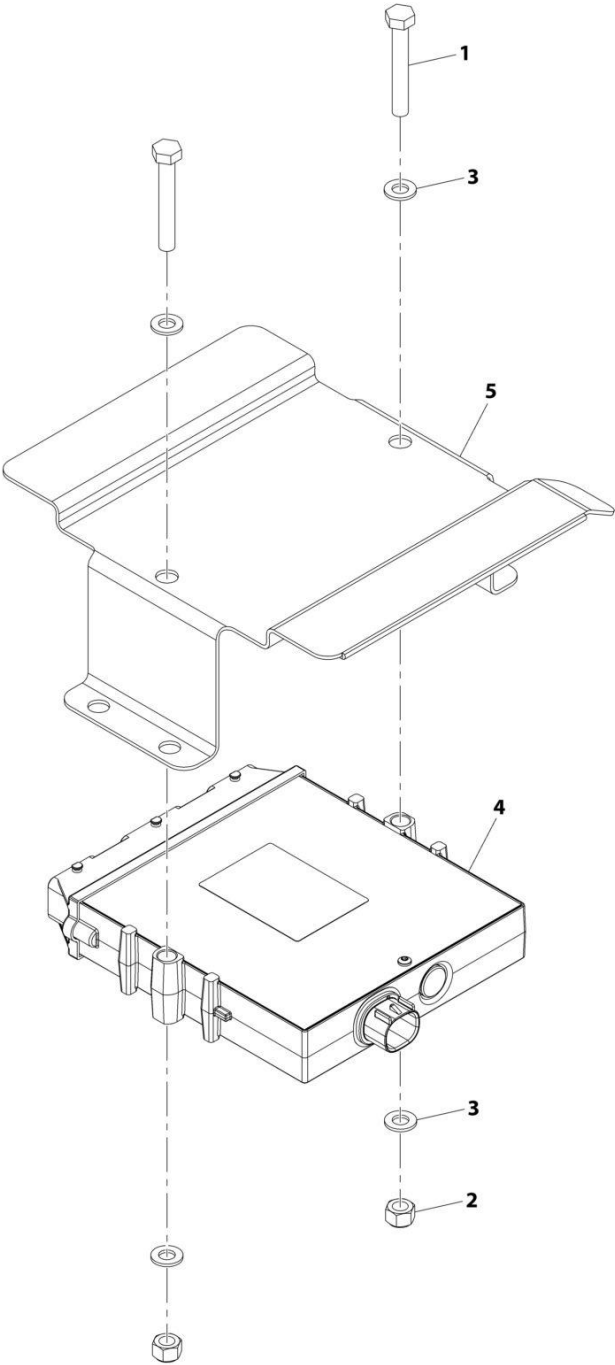
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	4460466	2	Plug	
51	1001187080	1	Ring, Terminal	
52	1001187080	1	Ring, Terminal	
53	4460539	1	Connector	
54	4460944	2	Terminal	
55	4460466	1	Plug	
56	4460933	1	Connector	
57	4460465	12	Terminal	
58	1001116812	1	Connector	
59	4460944	2	Terminal	
60	4460466	1	Plug	
61	1001116812	1	Connector	
62	4460944	2	Terminal	
63	4460466	1	Plug	
64	4460836	1	Connector	
65	4460944	10	Terminal	
66	4460466	2	Plug	
67	4460891	1	Connector	
68	4460465	2	Terminal	
69	4460891	1	Connector	
70	4460465	2	Terminal	
71	4460891	1	Connector	
72	4460465	2	Terminal	
73	4460891	1	Connector	
74	4460465	2	Terminal	
75	4460891	1	Connector	
76	4460465	2	Terminal	
77	4460891	1	Connector	
78	4460465	2	Terminal	
79	4460891	1	Connector	
80	4460465	2	Terminal	
81	4460891	1	Connector	
82	4460465	2	Terminal	
83	4460539	1	Connector	
84	4460944	3	Terminal	
85	4460539	1	Connector	
86	4460465	3	Terminal	
87	1001165311	1	Connector	
88	91013191	2	Terminal	
89	1001148106	1	Connector	
90	4460464	11	Terminal	
91	4460941	1	Terminal	
92	4460466	11	Plug	
93	1001148106	1	Connector	
94	4460464	22	Terminal	
95	4460466	1	Plug	
96	4460466	70	Plug	
97	4460536	1	Terminal	
98	4460837	1	Connector, Housing	
99	4460899	1	Terminal	
100	4460931	2	Connector	

SECTION 10 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
101	4460932	2	Connector	
102	4460945	1	Terminal	
103	4460970	1	Connector	
104	4461017	1	Connector	
105	1001116727	5	Plug	
106	1001121727	1	Connector	
107	1001125677	1	Connector	
108	1001147923	1	Connector	

SECTION 10 - ELECTRICAL

FIGURE 10-49. FRAME - REAR FRAME MODULE INSTALLATION



ART_1001210770-C

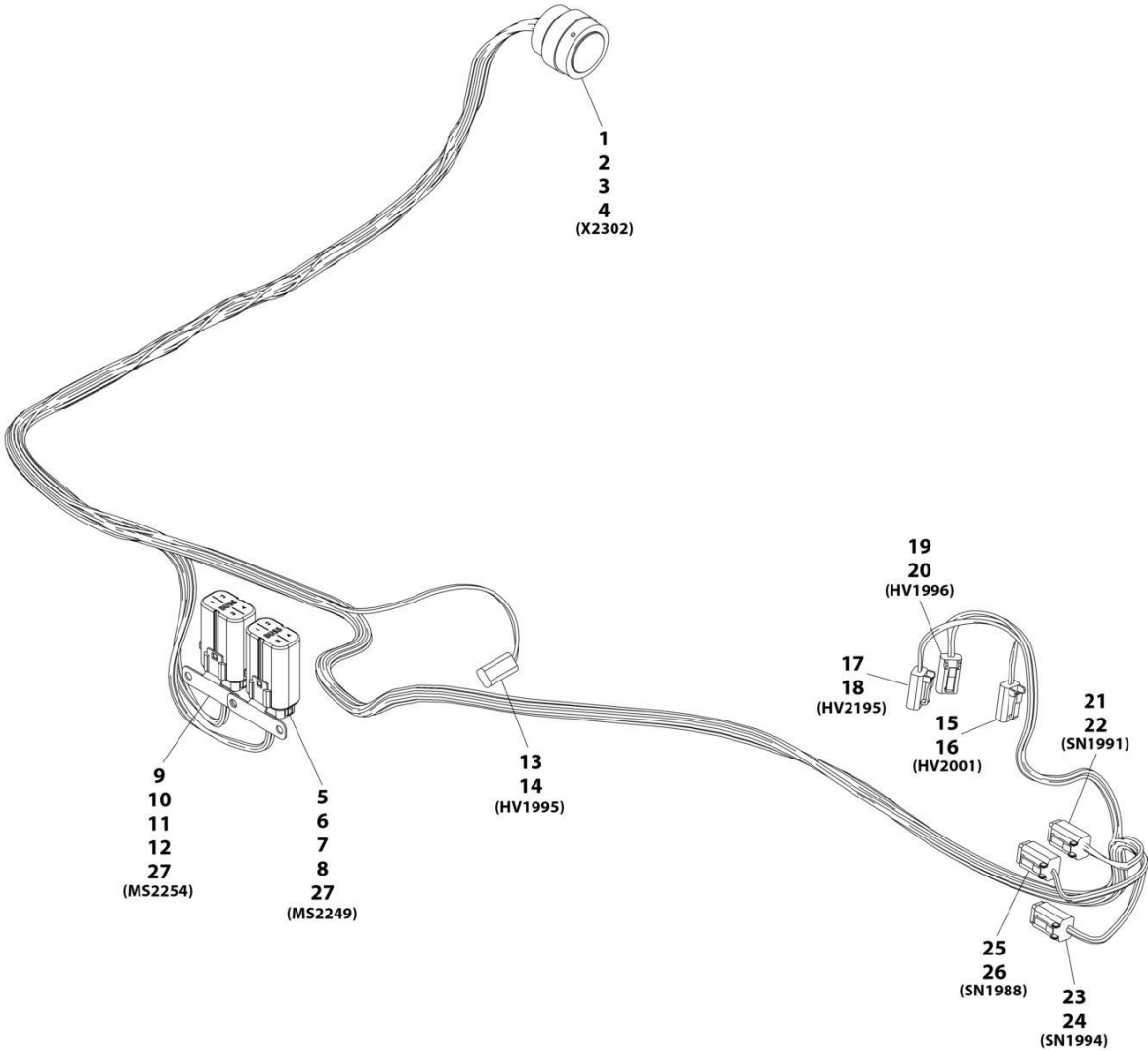
SECTION 10 - ELECTRICAL

FIGURE 10-49. FRAME - REAR FRAME MODULE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001210770	Ref	Rear Frame Module Installation	C
1	0700819	2	Bolt, M8X55	
2	3290805	2	Nut, Lock M8X1.25	
3	4811900	4	Washer, M8	
4	1001162256	1	Module, Rear Frame	
5	1001225980	1	Bracket	

SECTION 10 - ELECTRICAL

FIGURE 10-50. FRAME - REAR AXLE STABILIZER HARNESS (RAS)



ART_1001259495

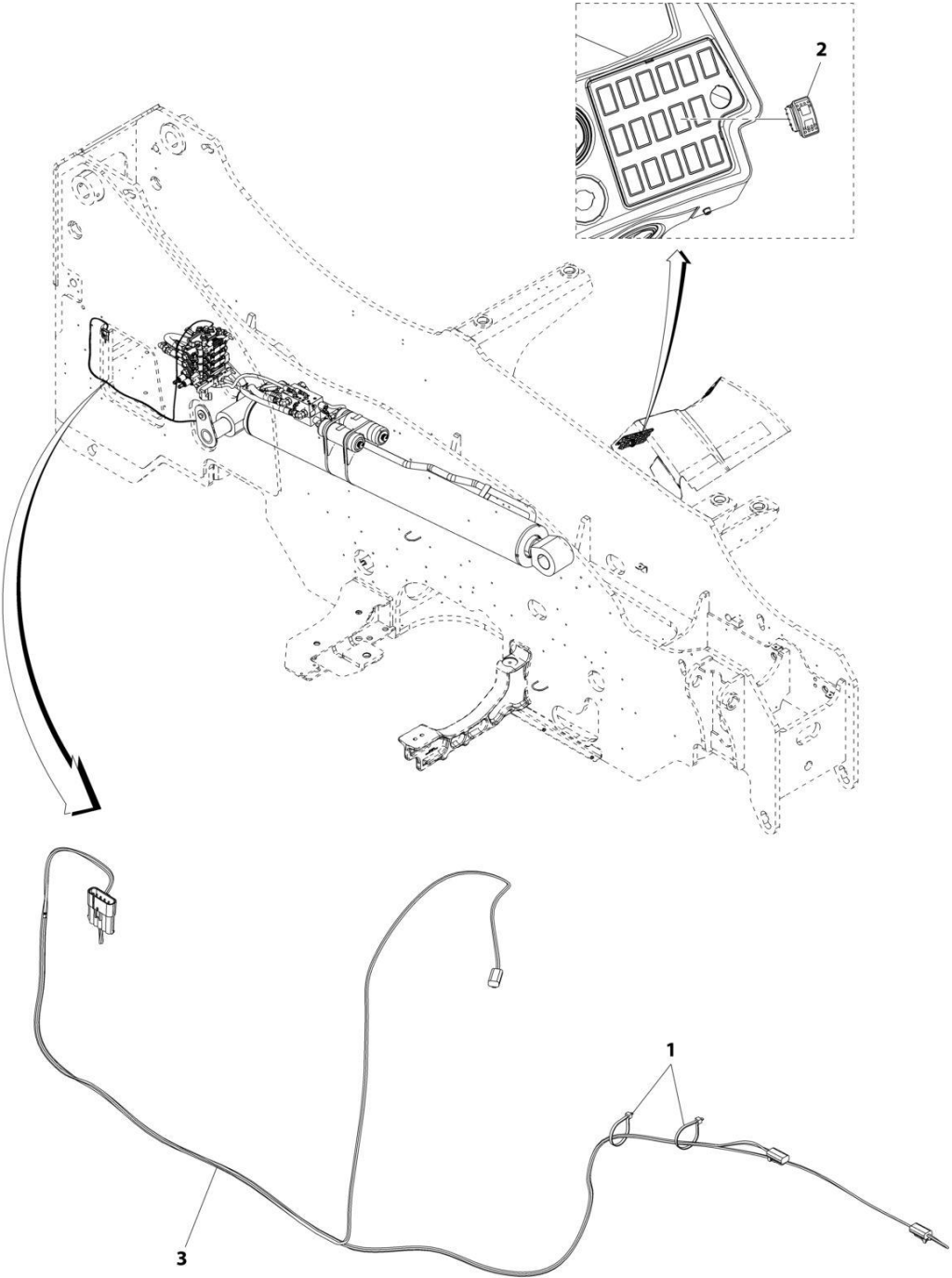
SECTION 10 - ELECTRICAL

FIGURE 10-50. FRAME - REAR AXLE STABILIZER HARNESS (RAS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001259495	Ref	REAR AXLE STABILIZER HARNESS	D
1	1001147923	1	Connector	
2	4460465	21	Terminal	
3	4460942	1	Terminal	
4	4460466	1	Plug	
5	1001184551	1	Connector	
6	4460746	6	Terminal	
7	4460748	2	Plug	
8	1001189877	6	Seal	
9	1001184551	1	Connector	
10	4460746	6	Terminal	
11	4460748	2	Plug	
12	1001189877	6	Seal	
13	4460891	1	Connector	
14	4460465	2	Terminal	
15	4460891	1	Connector	
16	4460465	2	Terminal	
17	4460891	1	Connector	
18	4460465	2	Terminal	
19	4460891	1	Connector	
20	4460465	2	Terminal	
21	1001220379	1	Connector	
22	4460465	4	Terminal	
23	1001220379	1	Connector	
24	4460465	4	Terminal	
25	1001220379	1	Connector	
26	4460465	4	Terminal	
27	1001250120	6	Resistor	

SECTION 10 - ELECTRICAL

FIGURE 10-51. FRAME - RIDE CONTROL WIRING INSTALLATION



ART_1001248758-C

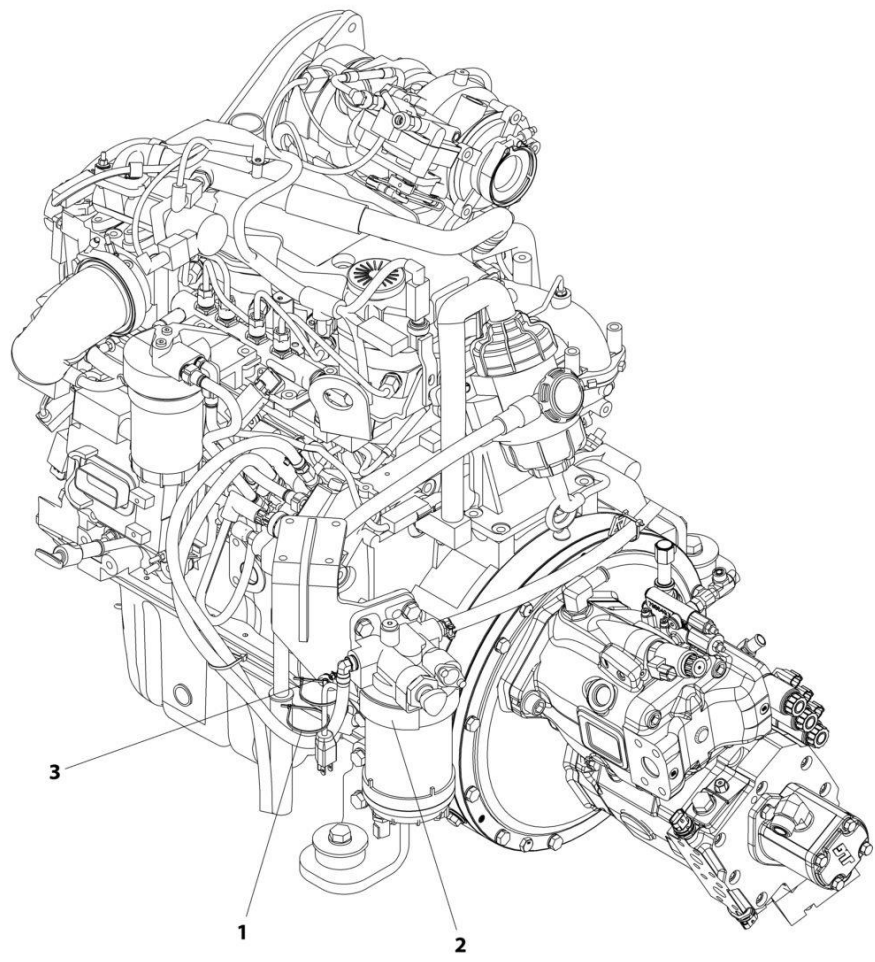
SECTION 10 - ELECTRICAL

FIGURE 10-51. FRAME - RIDE CONTROL WIRING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001248758	Ref	Ride Control Wiring Installation	C
1	1001008559	2	Strap, Cable	
2	1001159745	1	Switch, Boom Ride	
3	1001246832	1	Harness, Boom Ride/Float (See Separate Breakdown in this Section)	

SECTION 10 - ELECTRICAL

FIGURE 10-52. HEATER INSTALLATION - FUEL FILTER



ART_1001247501-A

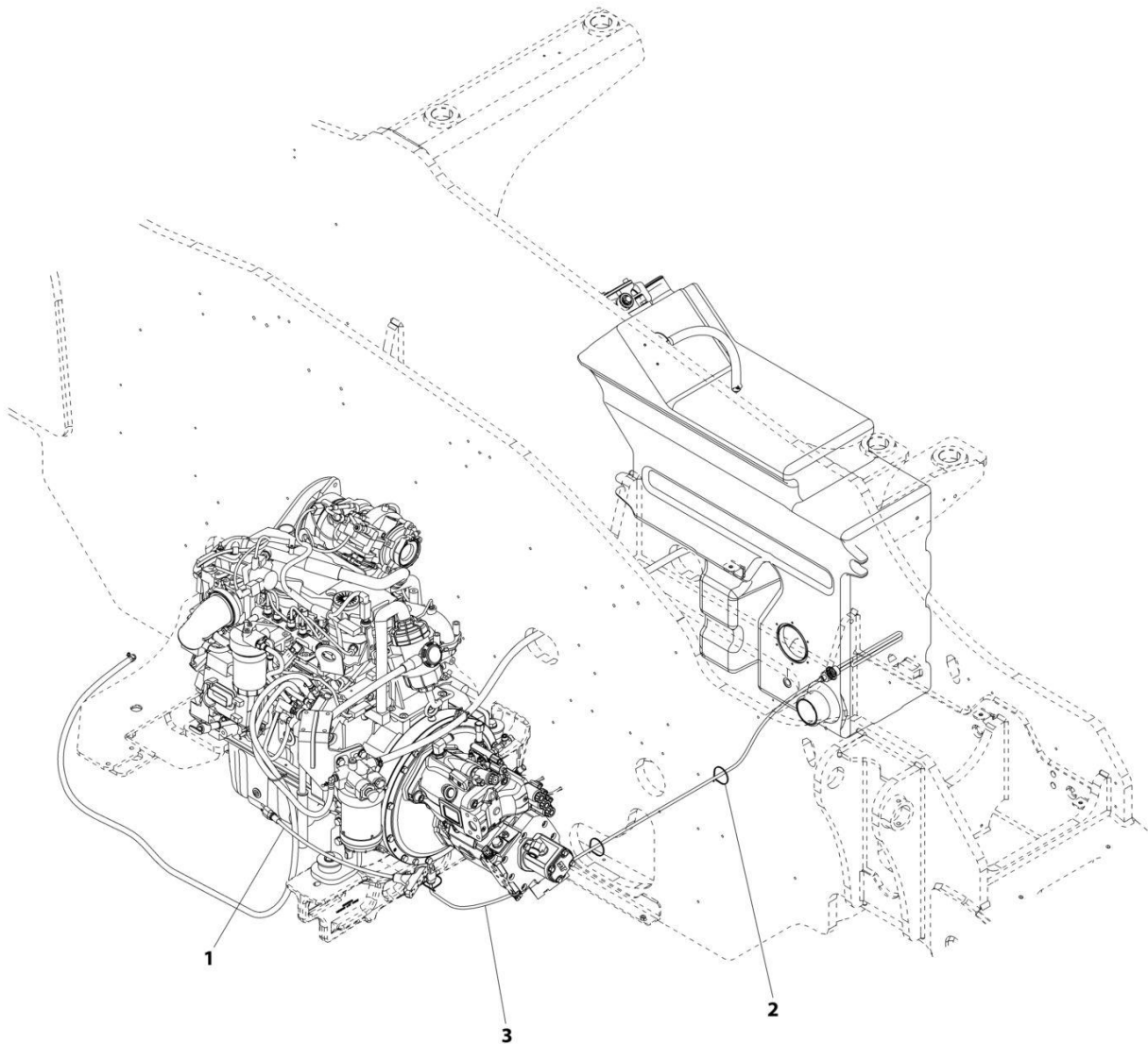
SECTION 10 - ELECTRICAL

FIGURE 10-52. HEATER INSTALLATION - FUEL FILTER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247501	Ref	Fuel Filter Heater Installation	A
1	4240099	2	Strap, Tie	
2	1001202498	1	Pad	
3	1001202986	1	Strap, Fir Tree Push Mount	

SECTION 10 - ELECTRICAL

FIGURE 10-53. HEATER INSTALLATION - HYDRAULIC TANK



ART_1001247917-A

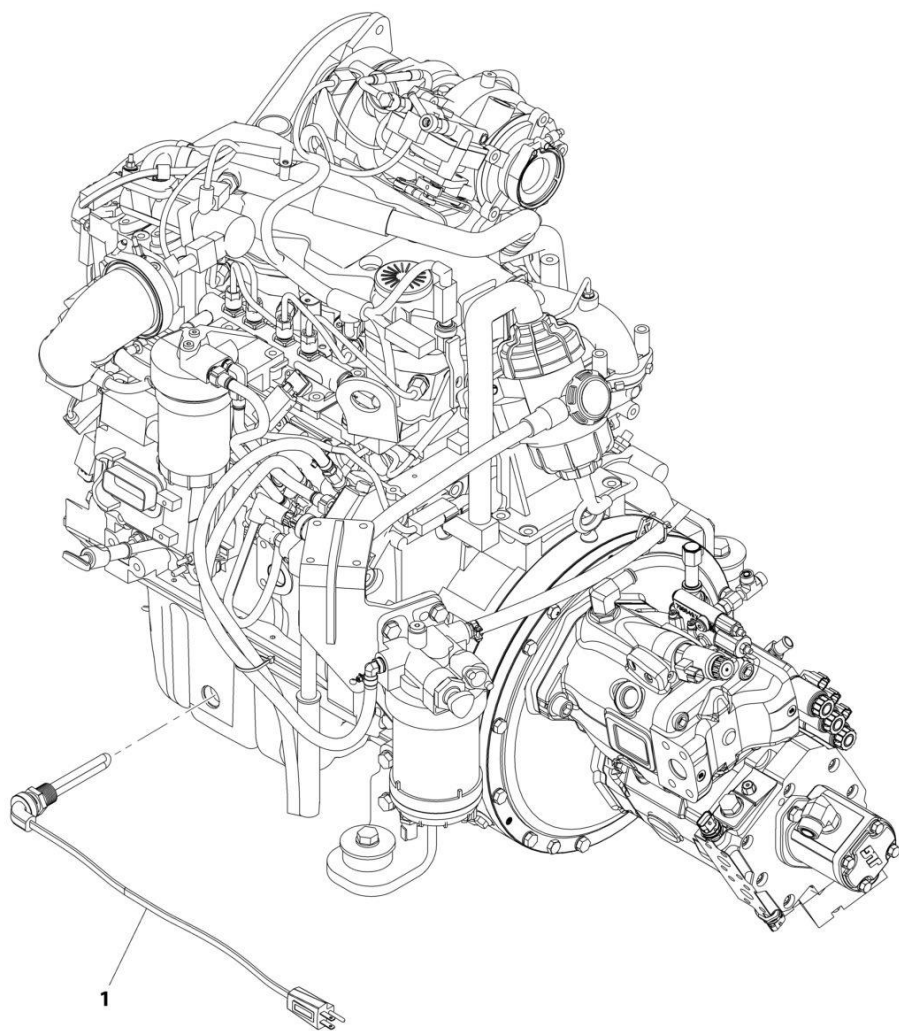
SECTION 10 - ELECTRICAL

FIGURE 10-53. HEATER INSTALLATION - HYDRAULIC TANK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247917	Ref	Hydraulic Tank Heater Installation	A
1	1060626	1	Cord, 3-Way Extension	
2	4240099	3	Strap, Tie	
3	1001105886	1	Heater, Immersion	

SECTION 10 - ELECTRICAL

FIGURE 10-54. HEATER INSTALLATION - OIL PAN



ART_1001247528-A

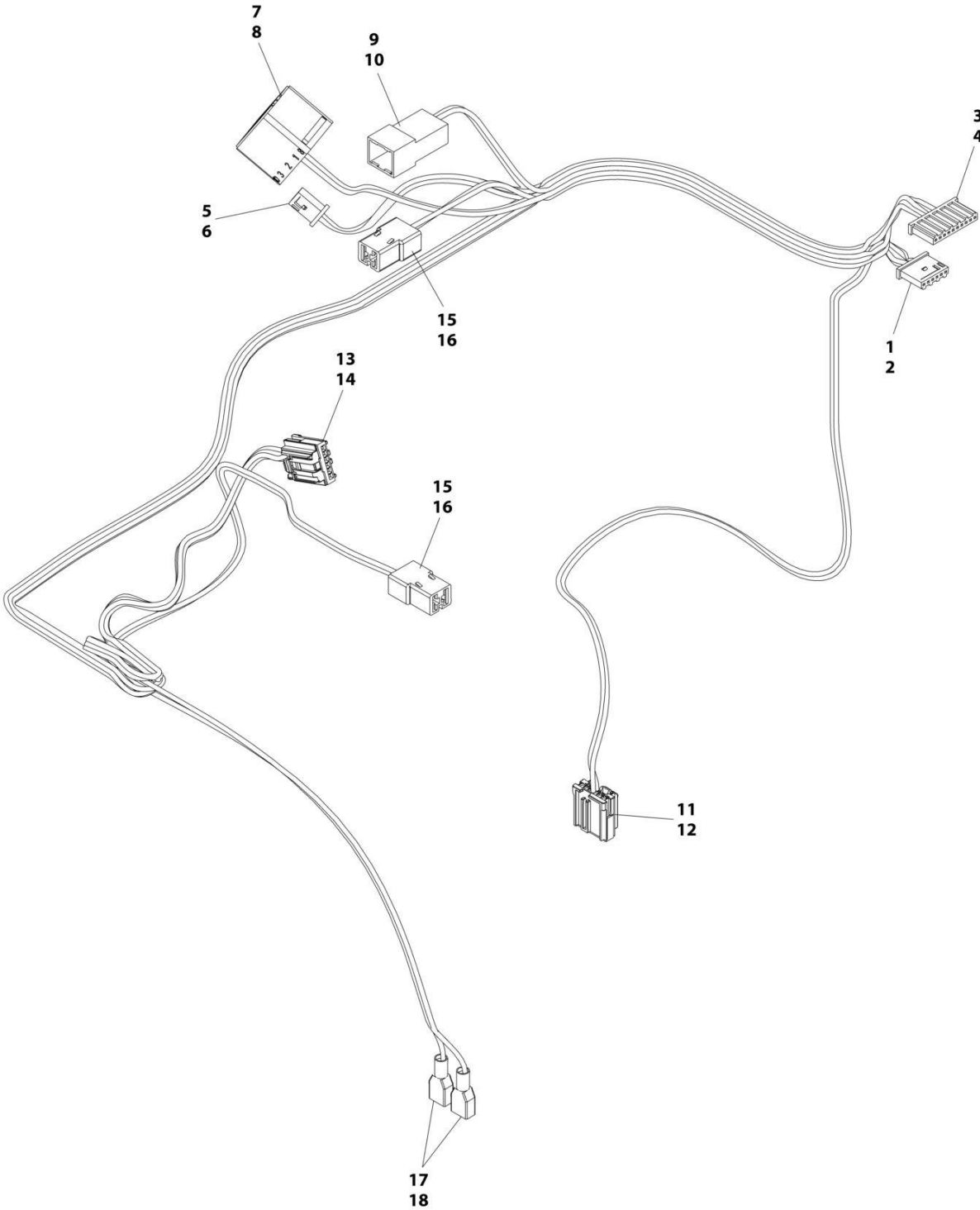
SECTION 10 - ELECTRICAL

FIGURE 10-54. HEATER INSTALLATION - OIL PAN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001247528 2580062	Ref 1	Oil Pan Heater Installation Heater, Engine Block	A

SECTION 10 - ELECTRICAL

FIGURE 10-55. HVAC ACTUATOR HARNESS



ART_1001221056

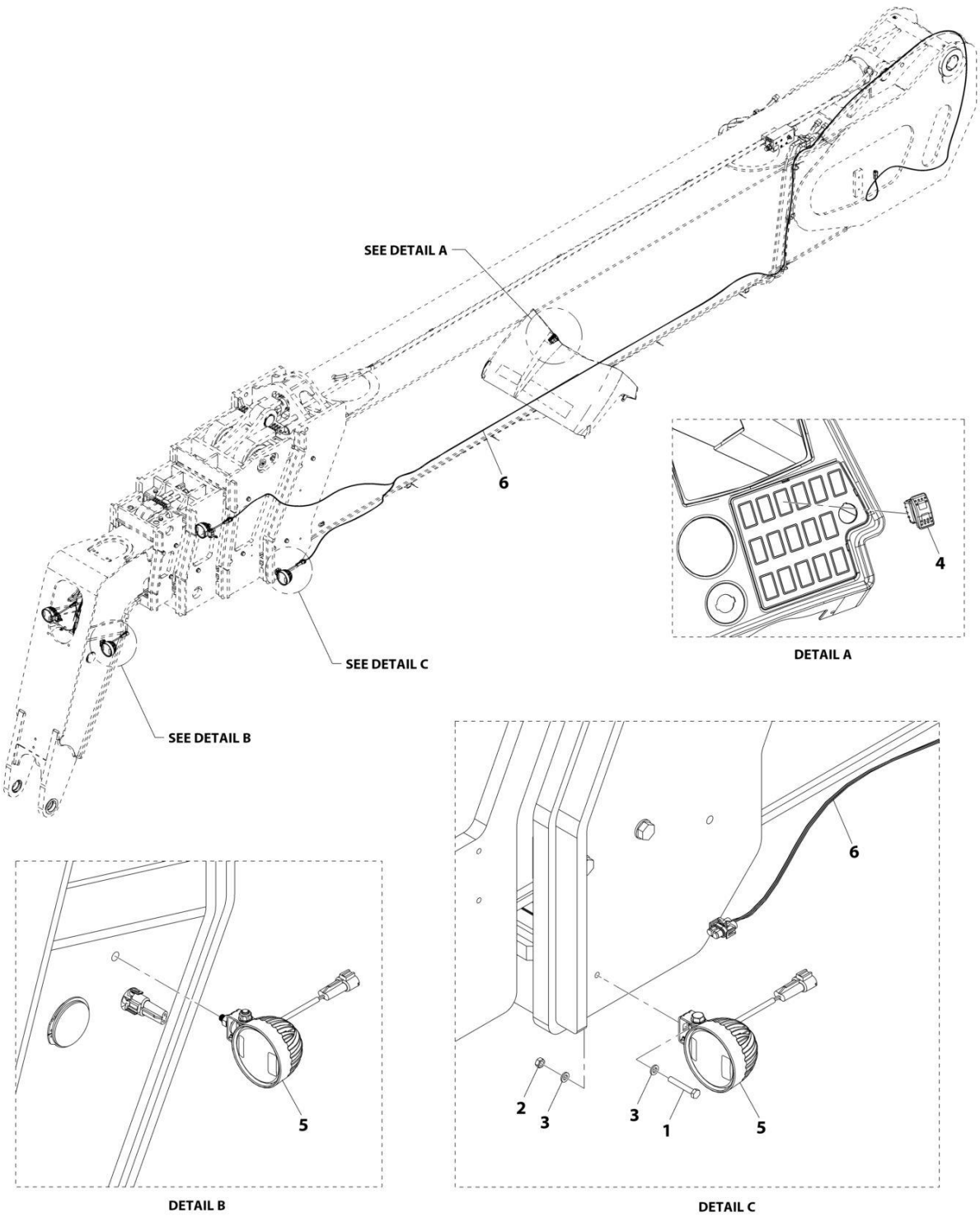
SECTION 10 - ELECTRICAL

FIGURE 10-55. HVAC ACTUATOR HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001221056	Ref	HVAC ACTUATOR HARNESS	E
		Ref	Note: No Other Service Parts Available At Time of Printing.	
1		Ref	Connector	
2		Ref	Terminal	
3		Ref	Connector	
4		Ref	Terminal	
5	1001184473	1	Connector	
6		Ref	Terminal	
7		Ref	Connector	
8		Ref	Connector	
9	1001116999	1	Connector	
10	7029668	2	Terminal	
11		Ref	Connector	
12		Ref	Terminal	
13		Ref	Connector	
14		Ref	Terminal	
15	1001116991	2	Connector	
16		Ref	Terminal	
17	8220108	2	Connector	
18		Ref	Terminal	

SECTION 10 - ELECTRICAL

FIGURE 10-56. LIGHTS - BOOM WORKLIGHTS INSTALLATION



ART_1001246296-A

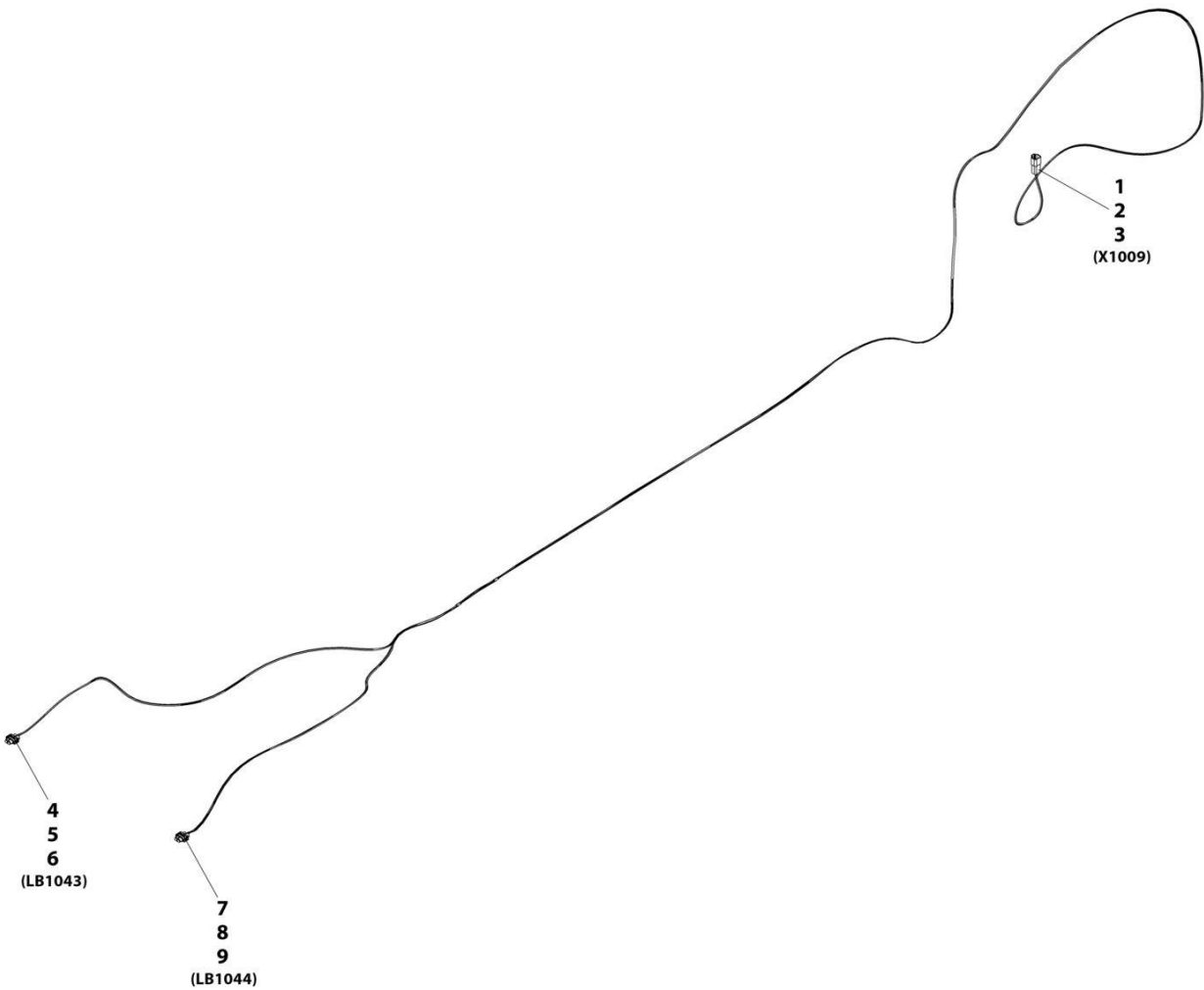
SECTION 10 - ELECTRICAL

FIGURE 10-56. LIGHTS - BOOM WORKLIGHTS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246296	Ref	Boom Worklights Installation	A
1	0700616	2	Bolt, M6X40	
2	3290601	2	Nut, M6X1	
3	4811700	4	Washer, M6	
4	1001159739	1	Switch, Boom Worklights	
5	1001203640	4	Lamp, LED Work Light	
6	1001246754	1	Harness, Boom Worklights (See Separate Breakdown in this Section)	

SECTION 10 - ELECTRICAL

FIGURE 10-57. LIGHTS - BOOM WORKLIGHTS HARNESS



ART_1001246754-A

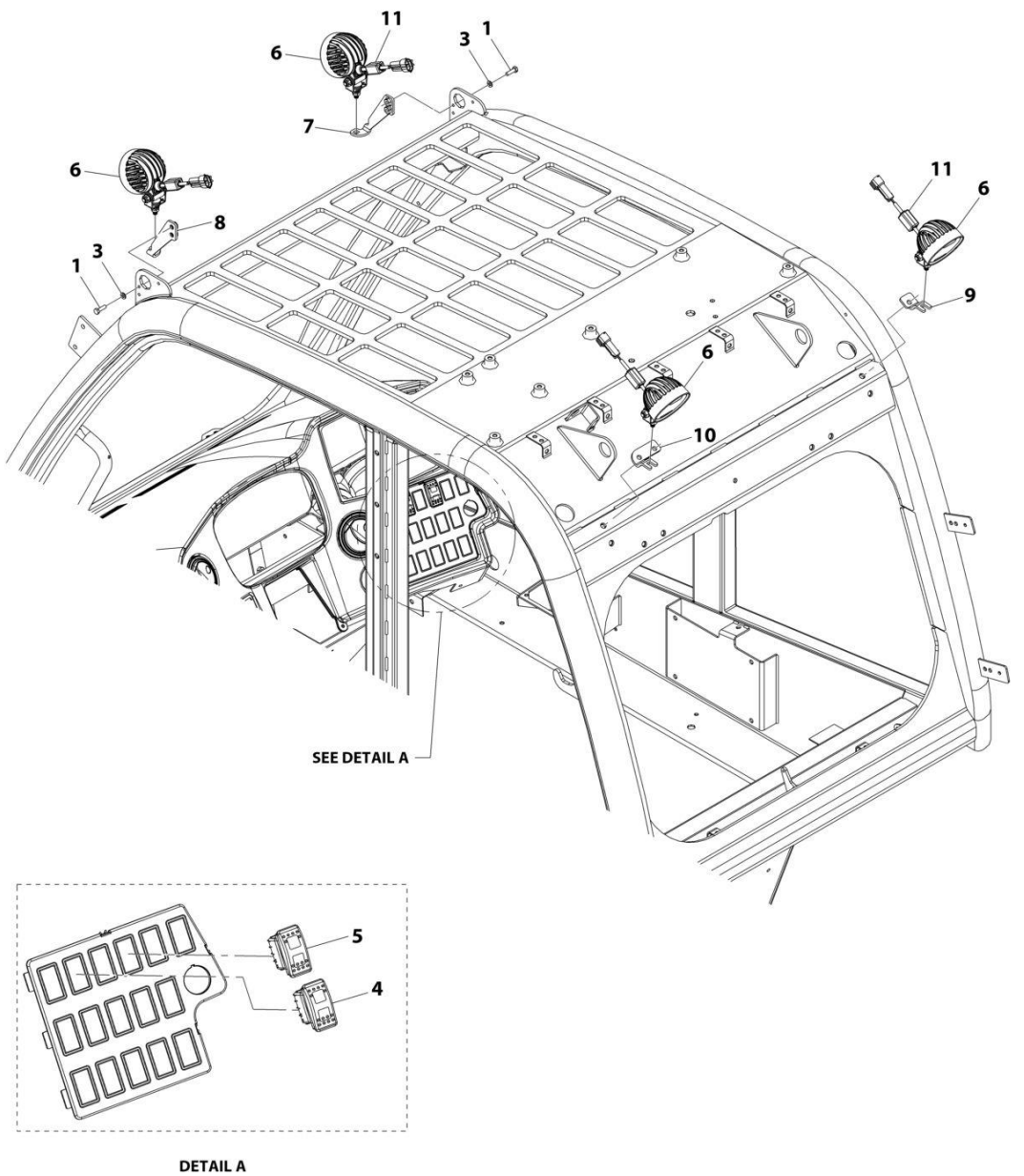
SECTION 10 - ELECTRICAL

FIGURE 10-57. LIGHTS - BOOM WORKLIGHTS HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246754	Ref	Boom Worklights Harness	A
1	4460932	1	Connector	
2	4460464	2	Terminal	
3	4460466	2	Plug	
4	4461115	1	Connector	
5	1001116728	2	Terminal	
6	4460458	2	Terminal Seal	
7	4461115	1	Connector	
8	1001116728	2	Terminal	
9	4460458	2	Terminal Seal	

SECTION 10 - ELECTRICAL

FIGURE 10-58. LIGHTS - CAB WORKLIGHTS INSTALLATION (NO A/C - LED)



ART_1001200538-D

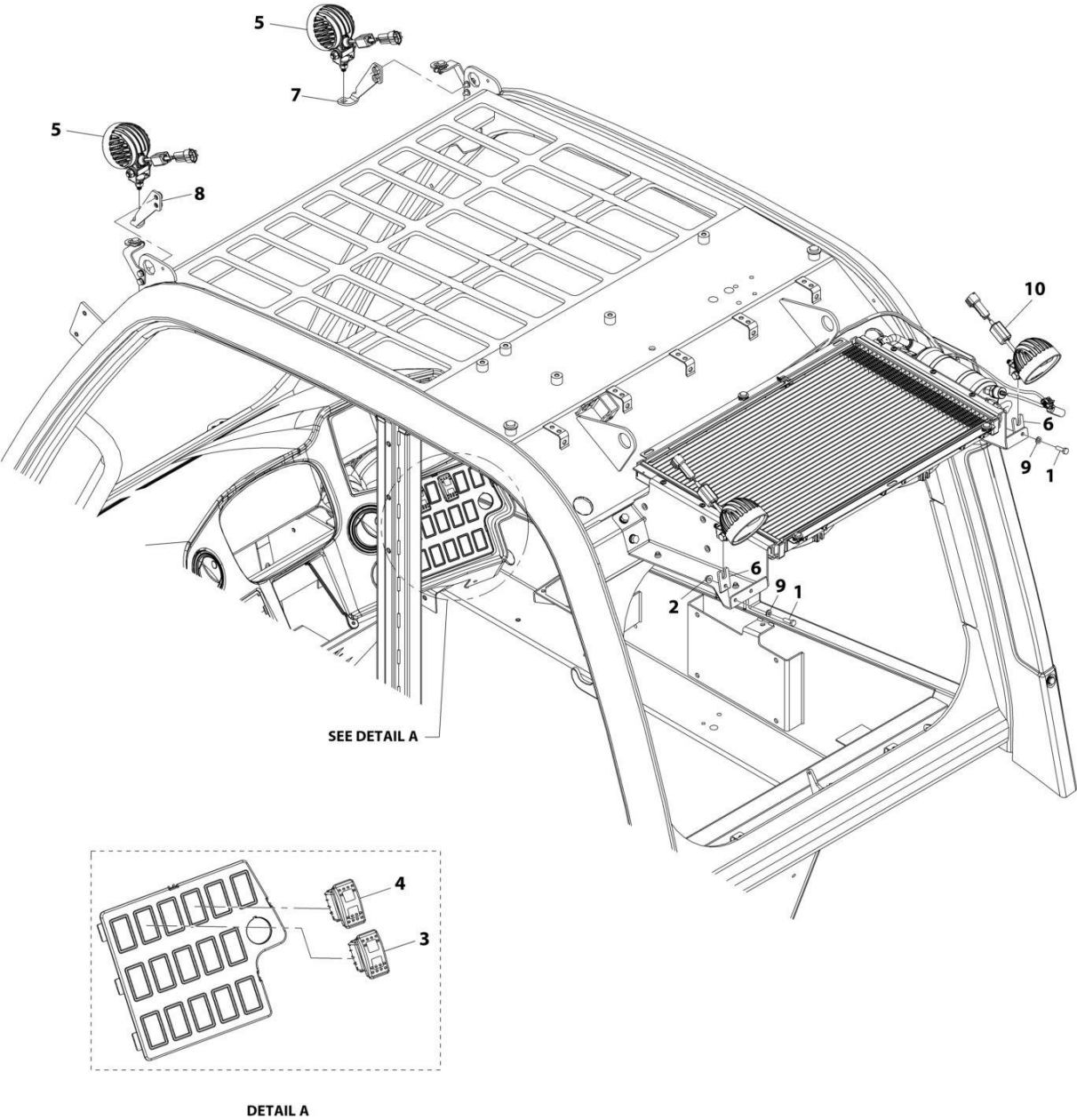
SECTION 10 - ELECTRICAL

FIGURE 10-58. LIGHTS - CAB WORKLIGHTS INSTALLATION (NO A/C - LED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001200538	Ref	Cab Worklights Installation (No A/C - LED)	D
1	0700610	4	Bolt, M6X20	
3	4811700	4	Washer, M6	
4	1001159845	1	Switch, Front Worklights	
5	1001159846	1	Switch, Rear Worklights	
6	1001203640	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 10-59. LIGHTS - CAB WORKLIGHTS INSTALLATION (A/C - LED)



ART_1001200539-D

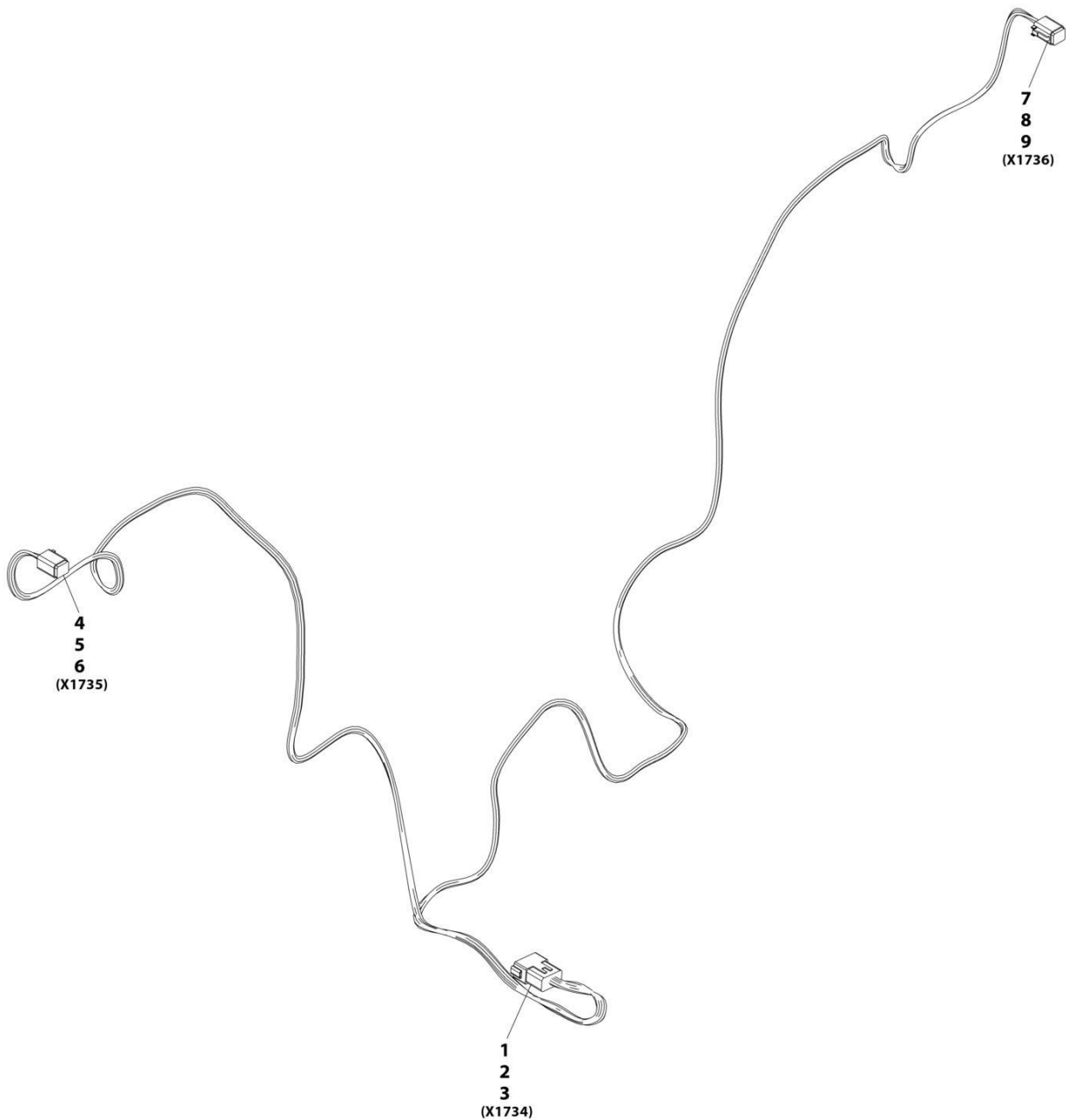
SECTION 10 - ELECTRICAL

FIGURE 10-59. LIGHTS - CAB WORKLIGHTS INSTALLATION (A/C - LED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001200539	Ref	Cab Worklights Installation (A/C - LED)	D
1	0700610	2	Bolt, M6X20	
2	5220600	2	Nut, M6	
3	1001159845	1	Switch, Front Worklights	
4	1001159846	1	Switch, Rear Worklights	
5	1001203640	4	Lamp, LED Work Light	
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 10-60. LIGHTS - HEADLIGHT HARNESS



ART_1001256999-A

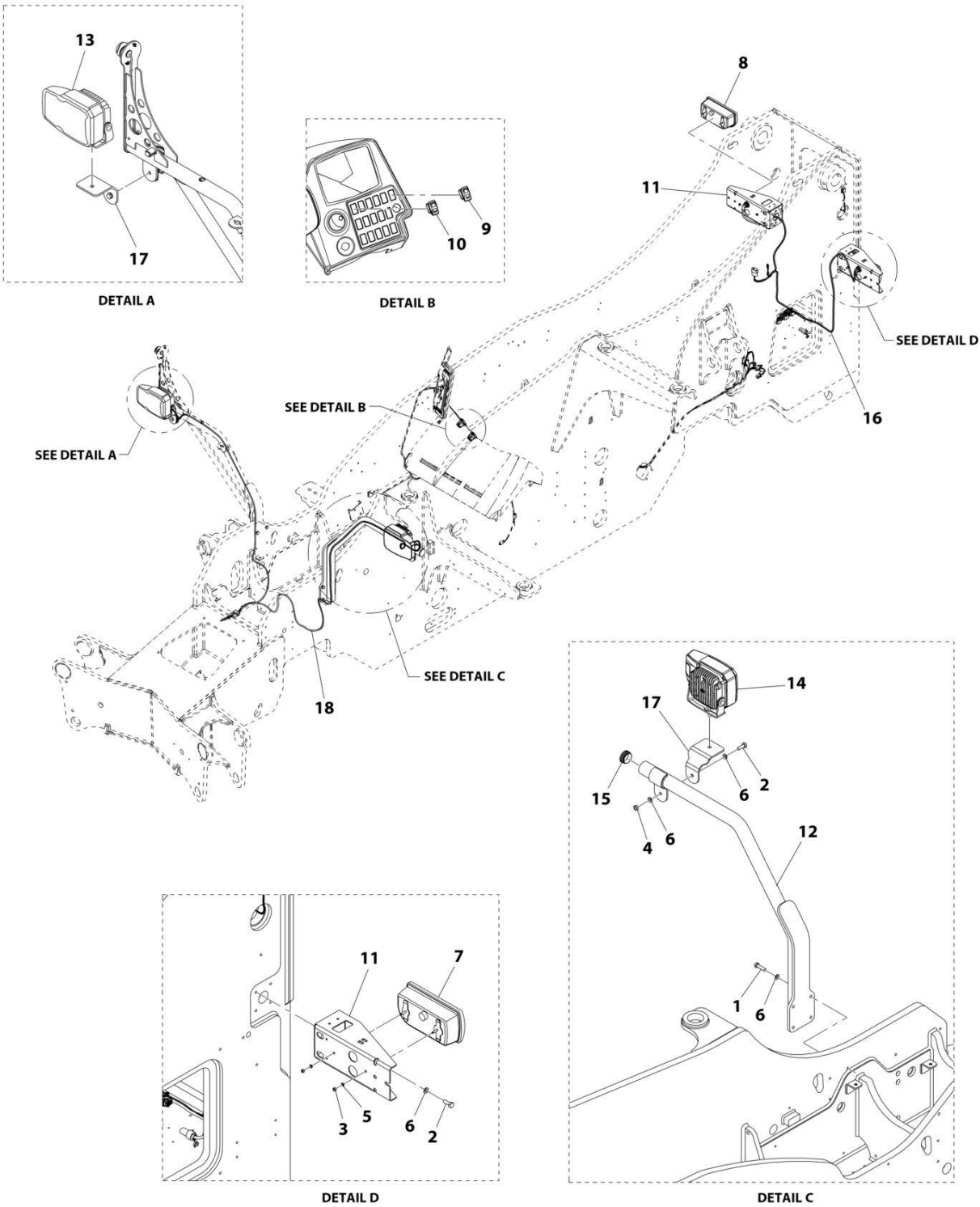
SECTION 10 - ELECTRICAL

FIGURE 10-60. LIGHTS - HEADLIGHT HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256999	Ref	Headlight Harness	A
1	4460970	1	Connector	
2	4460941	10	Terminal	
3	4460466	2	Plug	
4	4460894	1	Connector	
5	4460942	5	Terminal	
6	4460466	1	Plug	
7	4460894	1	Connector	
8	4460942	5	Terminal	
9	4460466	1	Plug	

SECTION 10 - ELECTRICAL

FIGURE 10-61. LIGHTS - ROAD LIGHTS INSTALLATION



ART_1001256946-B

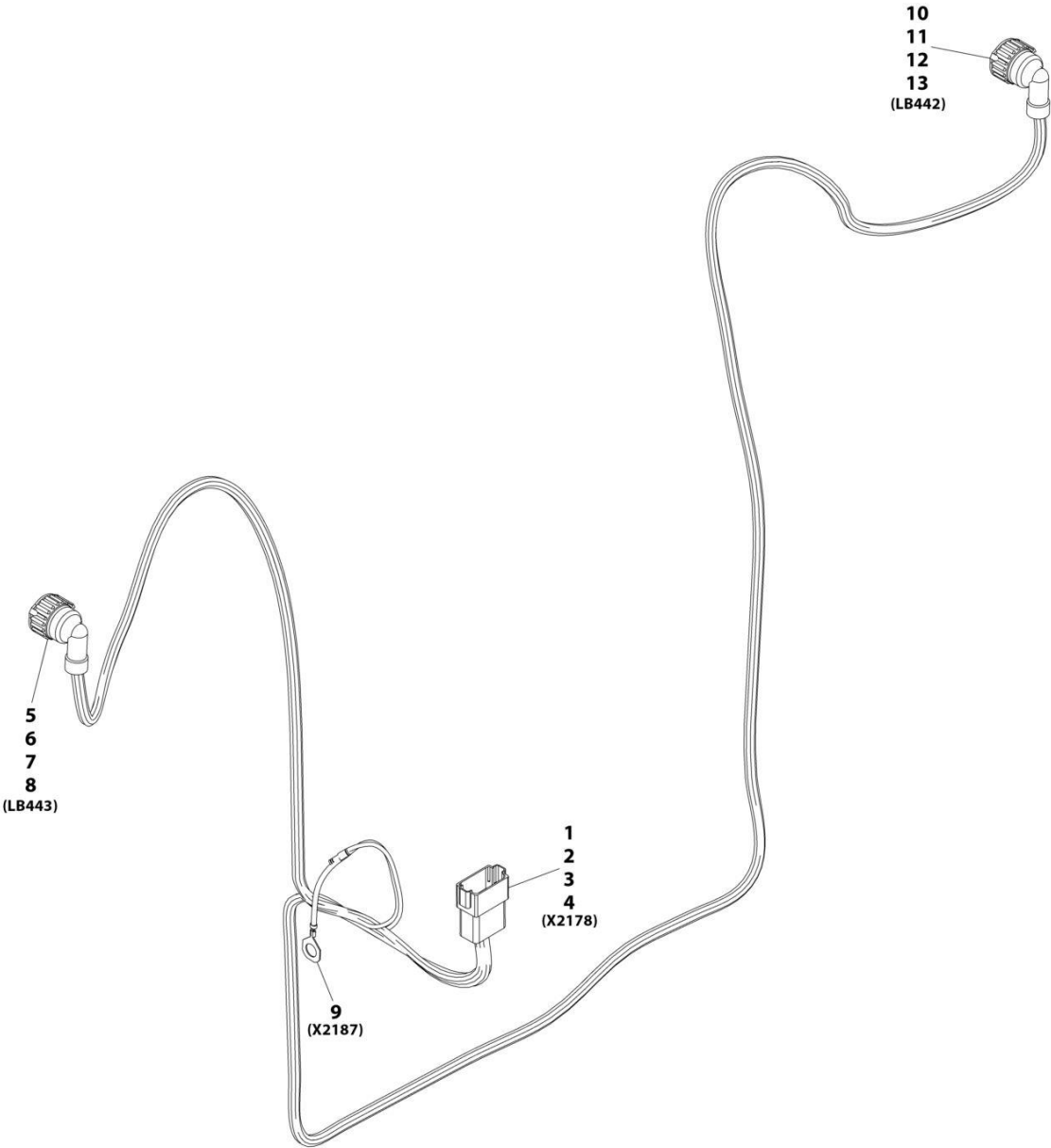
SECTION 10 - ELECTRICAL

FIGURE 10-61. LIGHTS - ROAD LIGHTS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256946	Ref	Road Lights Installation	B
1	0701016	4	Bolt, M10X40	
2	0761014	9	Bolt, M10X40	
3	3290607	4	Nut, M6X1	
4	3291001	1	Nut, M10X1.5 Grade 8	
5	4811700	4	Washer, M6	
6	4812000	14	Washer, M10	
7	1001091715	1	Lamp, Rear LH	
8	1001091716	1	Lamp, Rear RH	
9	1001159734	1	Switch, Hazard	
10	1001159737	1	Switch, Fog Lights	
11	1001196100	2	Bracket	
12	1001206100	1	Bracket	
13	1001209690	1	Light, Driving (RH - LED) (RH Dip)	
14	1001209691	1	Light, Driving (LH - LED) (LH Dip)	
15	1001209697	1	Cap	
16	1001244877	1	Harness, Tailights (See Separate Breakdown in this Section)	
17	1001256951	2	Bracket	
18	1001256999	1	Harness, Headlights (See Separate Breakdown in this Section)	

SECTION 10 - ELECTRICAL

FIGURE 10-62. LIGHTS - TAILLIGHT HARNESS



ART_1001244877-A

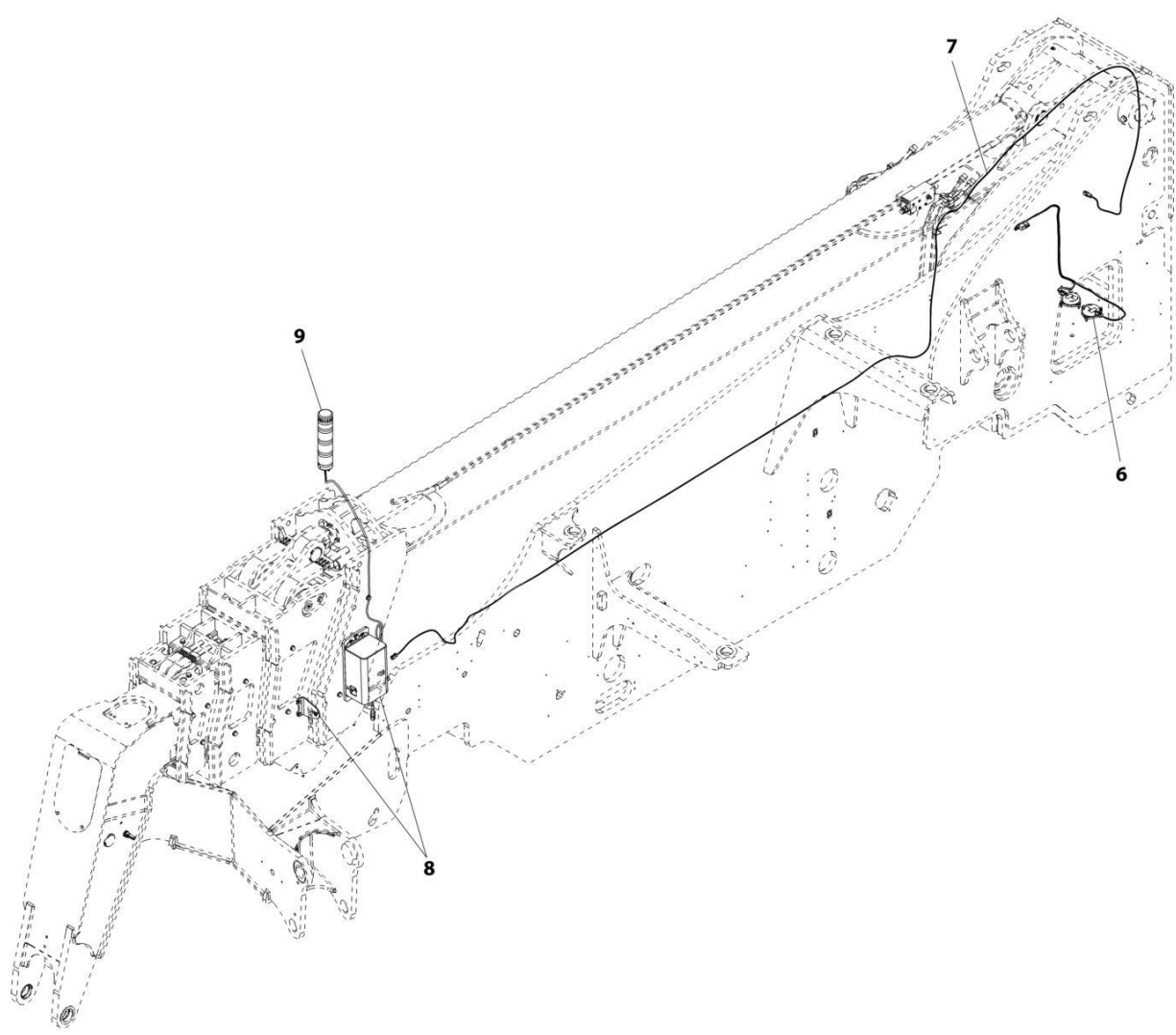
SECTION 10 - ELECTRICAL

FIGURE 10-62. LIGHTS - TAILLIGHT HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244877	Ref	Tailight Harness	A
1	4460970	1	Connector	
2	4460941	8	Terminal	
3	4460466	2	Plug	
4	4460464	2	Terminal	
5	1001116996	1	Connector	
6	1001118392	6	Terminal	
7	1001116696	1	Plug	
8	4461054	6	Seal	
9	1001187078	1	Ring, Terminal	
10	1001116696	1	Connector	
11	1001118392	6	Terminal	
12	1001116996	1	Plug	
13	4461054	6	Seal	

SECTION 10 - ELECTRICAL

FIGURE 10-63. LMIS COMPONENT INSTALLATION



ART_1001246636-B

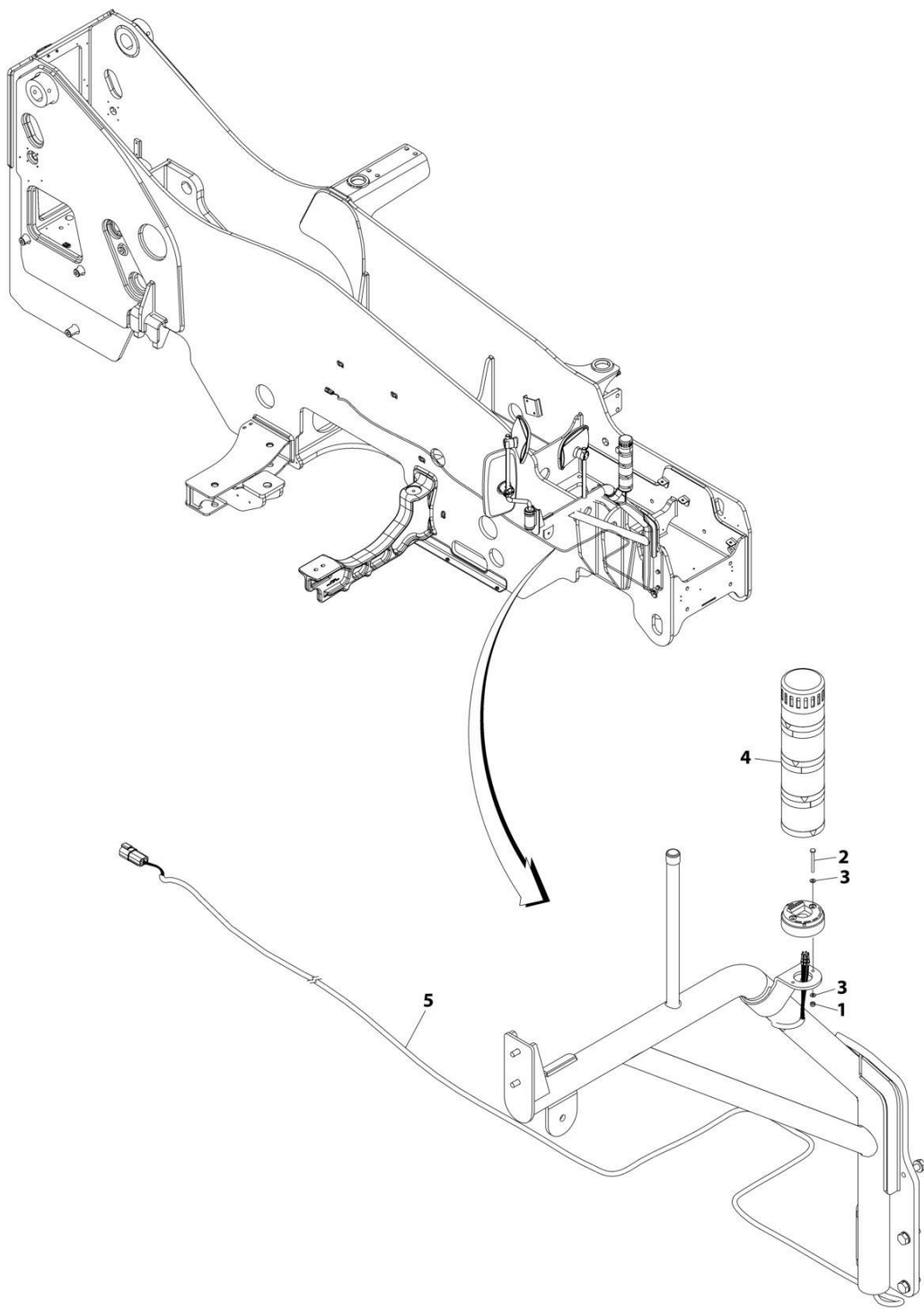
SECTION 10 - ELECTRICAL

FIGURE 10-63. LMIS COMPONENT INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246636	Ref	LMIS Component Installation	B
6	1001201597	Ref	Installation, Tilt Sensor (See Separate Breakdown in this Section)	
7	1001201598	Ref	Installation, LMIS Wiring (See Separate Breakdown in this Section)	
8	1001248204	Ref	Installation, LMIS Cable Reel (See Separate Breakdown in this Section)	
9	1001195591	Ref	Installation, LMIS Beacon (See Separate Breakdown in this Section)	

SECTION 10 - ELECTRICAL

FIGURE 10-64. LMIS BEACON LIGHT INSTALLATION



ART_1001195591_E

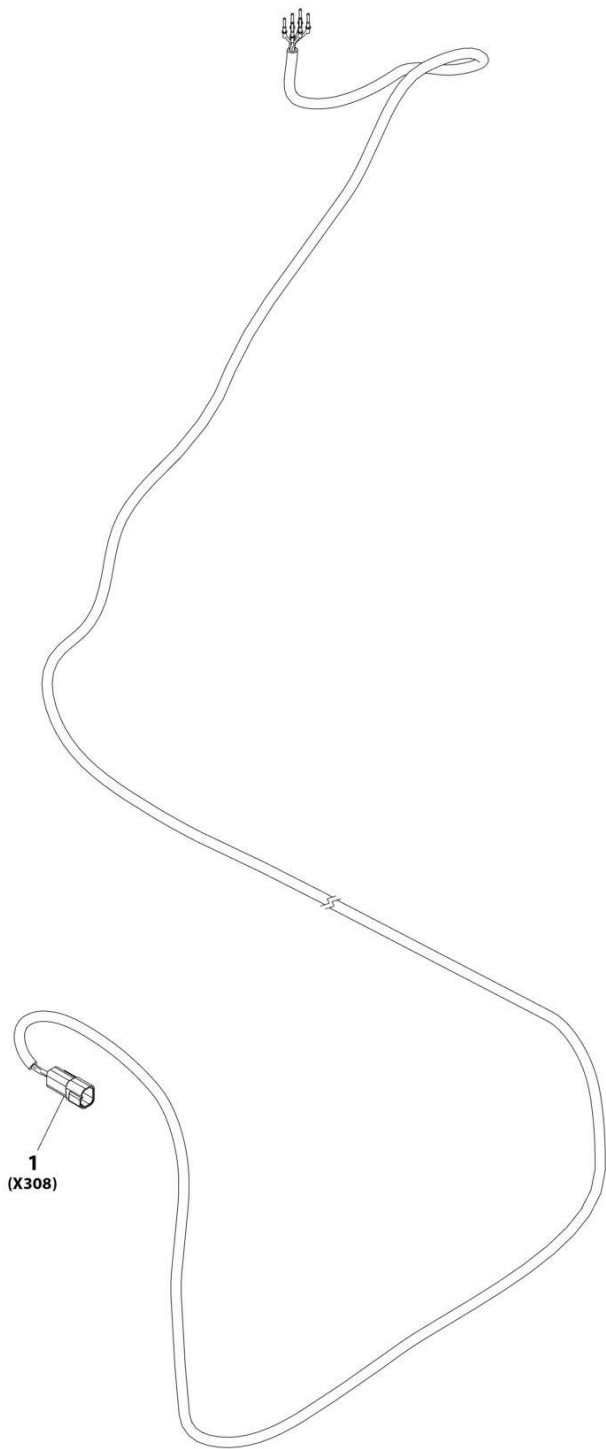
SECTION 10 - ELECTRICAL

FIGURE 10-64. LMIS BEACON LIGHT INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001195591	Ref	LMIS Beacon Light Installation	E
1	3290405	2	Nut M4	
2	4010416	2	Screw, M4X40	
3	4811400	4	Washer, M4	
	1001265343	1	Light, LMIS Beacon	
5	1001117247	1	Harness, LMIS Beacon Option (See Separate Breakdown in this Section)	
7	1001146588	1	Tie-Strap (Not Shown)	

SECTION 10 - ELECTRICAL

FIGURE 10-65. LMIS BEACON OPTION HARNESS



ART_1001117247

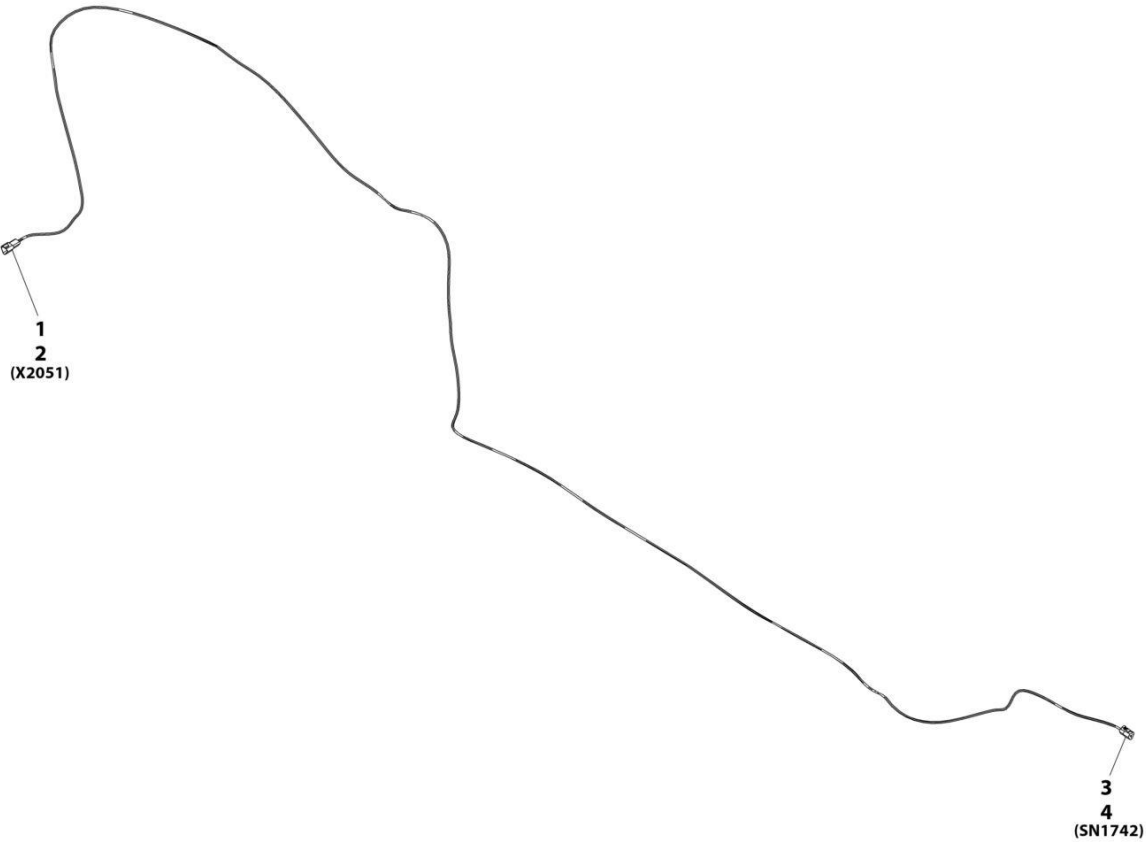
SECTION 10 - ELECTRICAL

FIGURE 10-65. LMIS BEACON OPTION HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001117247 4460932	Ref 1	LMIS Beacon Option Harness Connector	D

SECTION 10 - ELECTRICAL

FIGURE 10-66. LMIS BOOM HARNESS



ART_1001201600-A

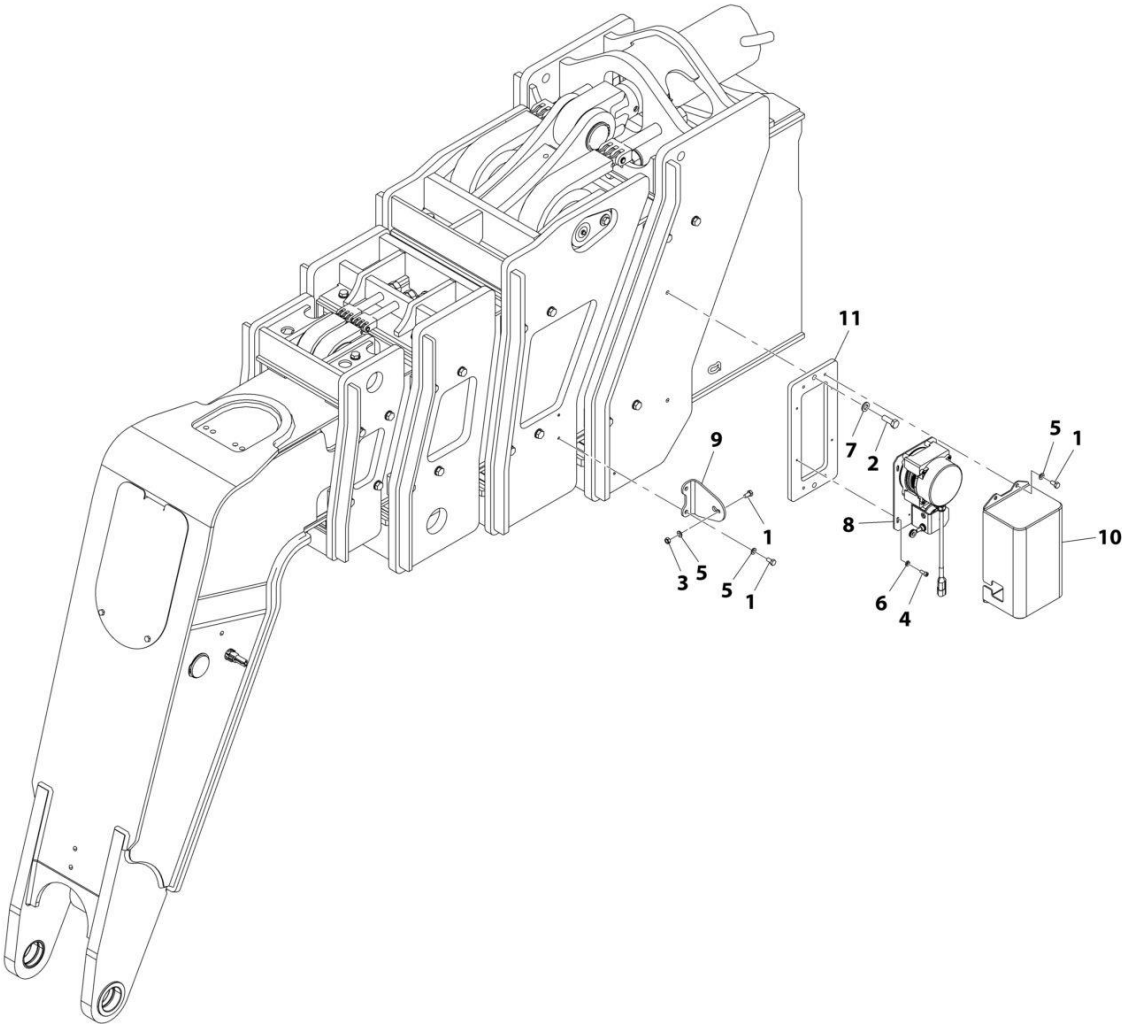
SECTION 10 - ELECTRICAL

FIGURE 10-66. LMIS BOOM HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001201600	Ref	LMIS Boom Harness	A
1	4460536	1	Connector	
2	4460464	3	Terminal	
3	4460539	1	Connector	
4	4460465	3	Terminal	

SECTION 10 - ELECTRICAL

FIGURE 10-67. LMIS CABLE REEL INSTALLATION



ART_1001248204-A

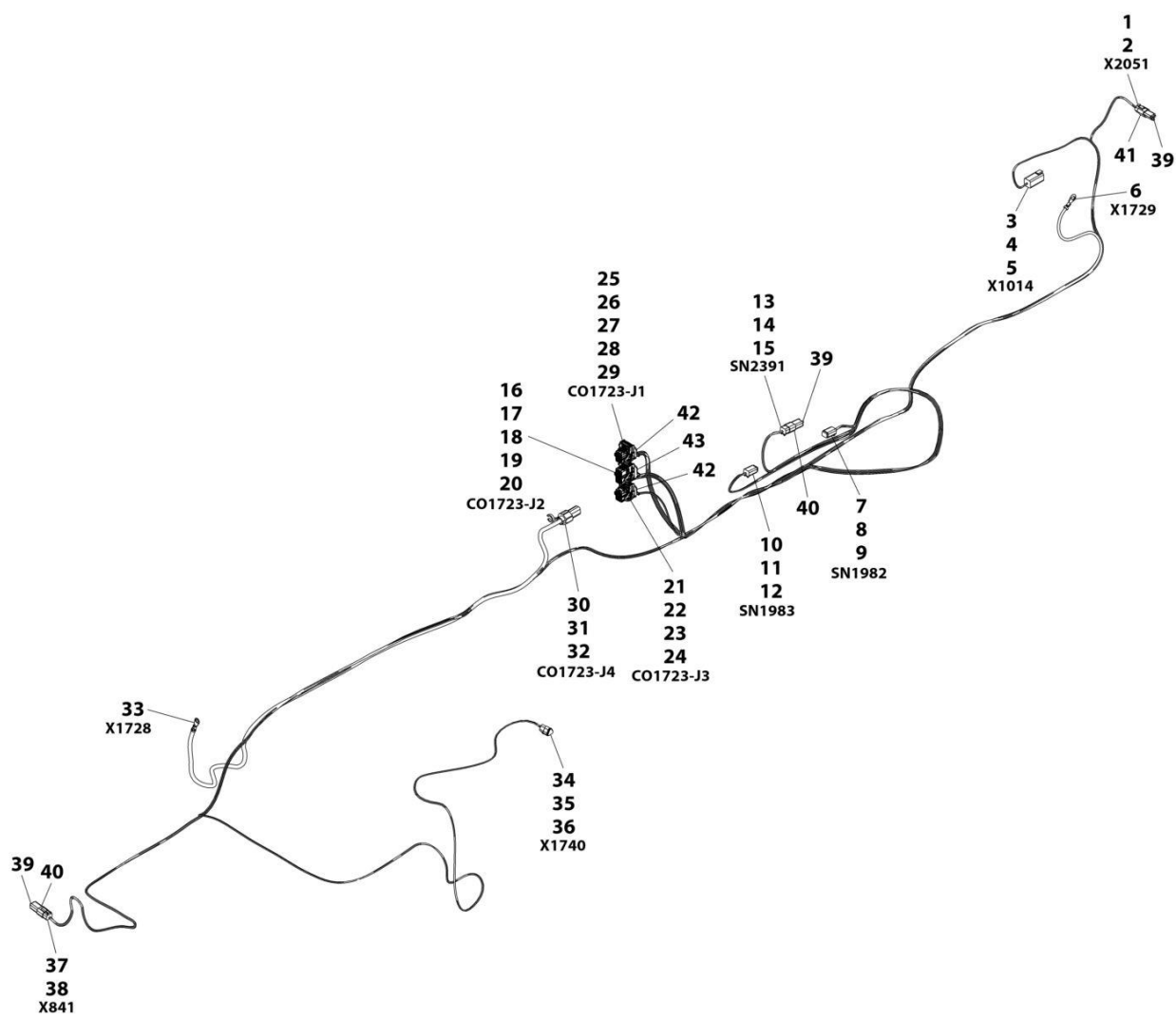
SECTION 10 - ELECTRICAL

FIGURE 10-67. LMIS CABLE REEL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001248204	Ref	LMIS Cable Reel Installation	A
1	0760808	7	Bolt, M8X16	
2	0761215	2	Bolt, M12X35	
3	3290801	1	Nut, M8X1.25	
4	4031707	4	Bolt, M6X16	
5	4811900	7	Washer, M8	
6	5240600	4	Washer, M6	
7	1001125117	2	Washer, M12	
8	1001223903	1	Sensor, Boom Length	
9	1001224127	1	Bracket	
10	1001224128	1	Panel	
11	1001244334	1	Plate	

SECTION 10 - ELECTRICAL

FIGURE 10-68. LMIS CHASSIS OPTION HARNESS



ART_1001201599

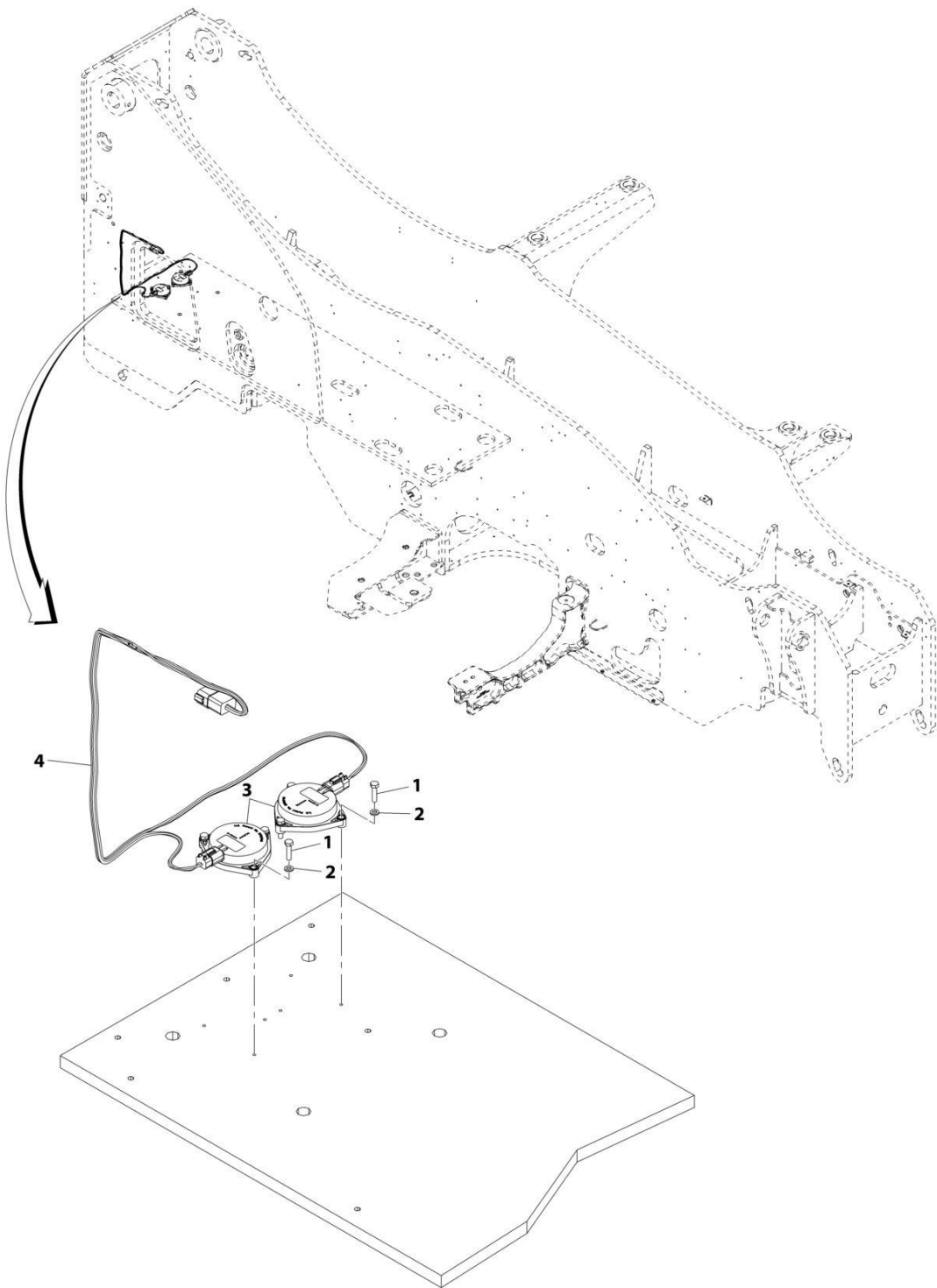
SECTION 10 - ELECTRICAL

FIGURE 10-68. LMIS CHASSIS OPTION HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001201599	Ref	LMIS Chassis Option Harness	D
1	4460539	1	Connector	
2	4460465	3	Terminal	
3	4460899	1	Connector	
4	4460466	4	Plug	
5	4460464	2	Terminal	
6	1001187080	1	Ring Terminal	
7	4460884	1	Connector	
8	4460942	1	Terminal	
9	4460465	3	Terminal	
10	4460884	1	Connector	
11	4460942	1	Terminal	
12	4460465	3	Terminal	
13	4460884	1	Connector	
14	4460942	1	Terminal	
15	4460465	3	Terminal	
16	1001161963	1	Connector	
17	1001161097	16	Terminal	
18	1001161100	24	Plug	
19	1001161099	3	Terminal	
20	1001161101	5	Plug	
21	1001160500	1	Connector	
22	1001161100	22	Plug	
23	1001161097	2	Terminal	
24	1001161101	8	Plug	
25	1001161957	1	Connector	
26	1001161097	11	Terminal	
27	1001161100	13	Plug	
28	1001161101	5	Plug	
29	1001161099	3	Terminal	
30	1001160509	1	Connector	
31	1001160510	1	Terminal	
32	1001175267	1	Seal	
33	1001187075	1	Ring Terminal	
34	1001116812	1	Connector	
35	4460944	2	Terminal	
36	4460466	1	Plug	
37	4460884	1	Connector	
38	4460465	4	Terminal	
39	4460466	11	Plug	
40	4460932	2	Connector	
41	4460536	1	Terminal, 3 Pin Male	
42	643191201	2	Cover	
43	643191301	1	Cover	

SECTION 10 - ELECTRICAL

FIGURE 10-69. LMIS TILT SENSOR INSTALLATION



ART_1001201597-A

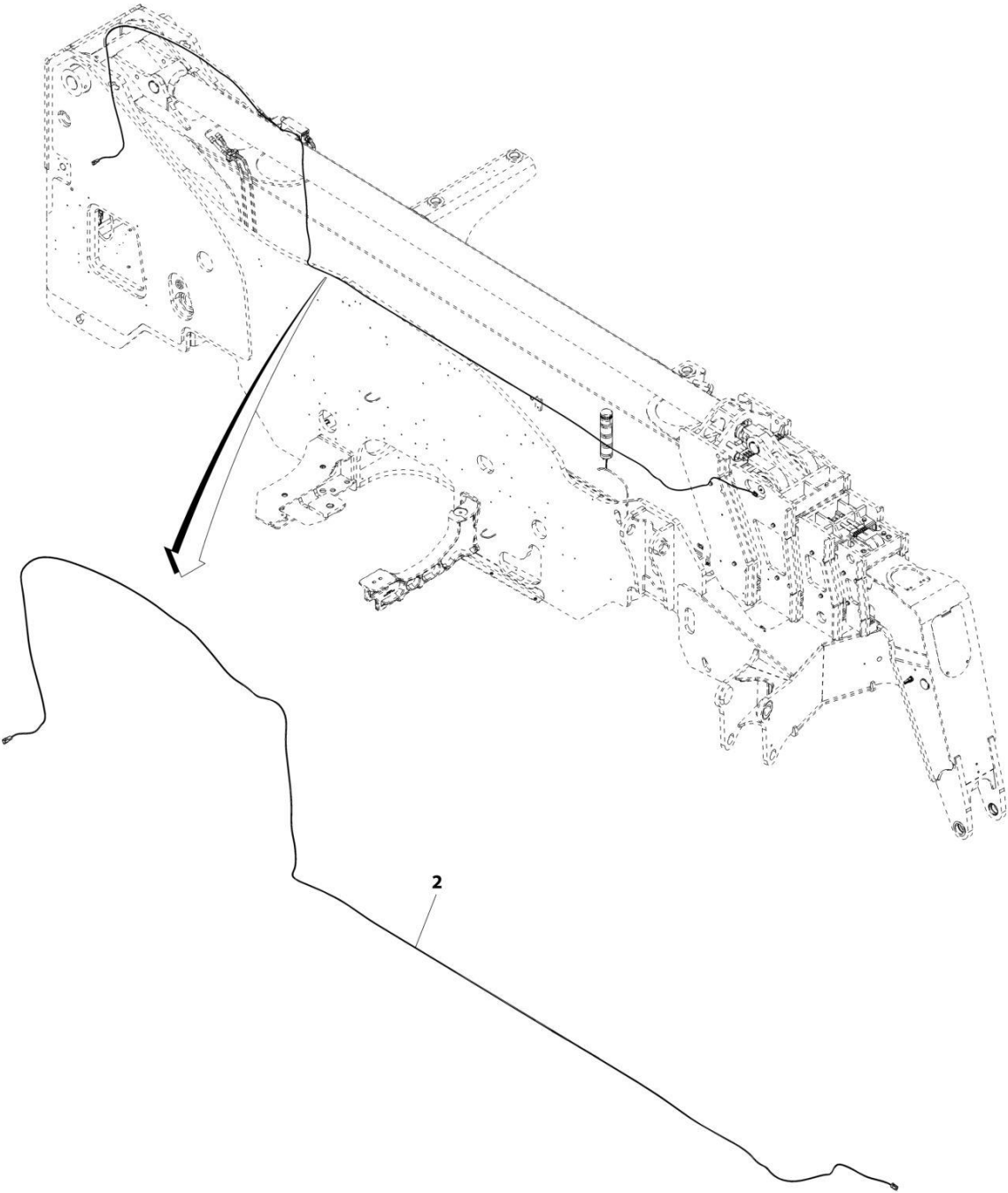
SECTION 10 - ELECTRICAL

FIGURE 10-69. LMIS TILT SENSOR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001201597	Ref	Tilt Sensor Installation	A
1	0700612	6	Bolt, M6X25	
2	4811700	6	Washer, M6	
3	1001163095	2	Sensor, Tilt	
4	1001201601	1	Harness, Platform Ready (See Separate Breakdown in this Section)	

SECTION 10 - ELECTRICAL

FIGURE 10-70. LMIS WIRING INSTALLATION



ART_1001201598-C

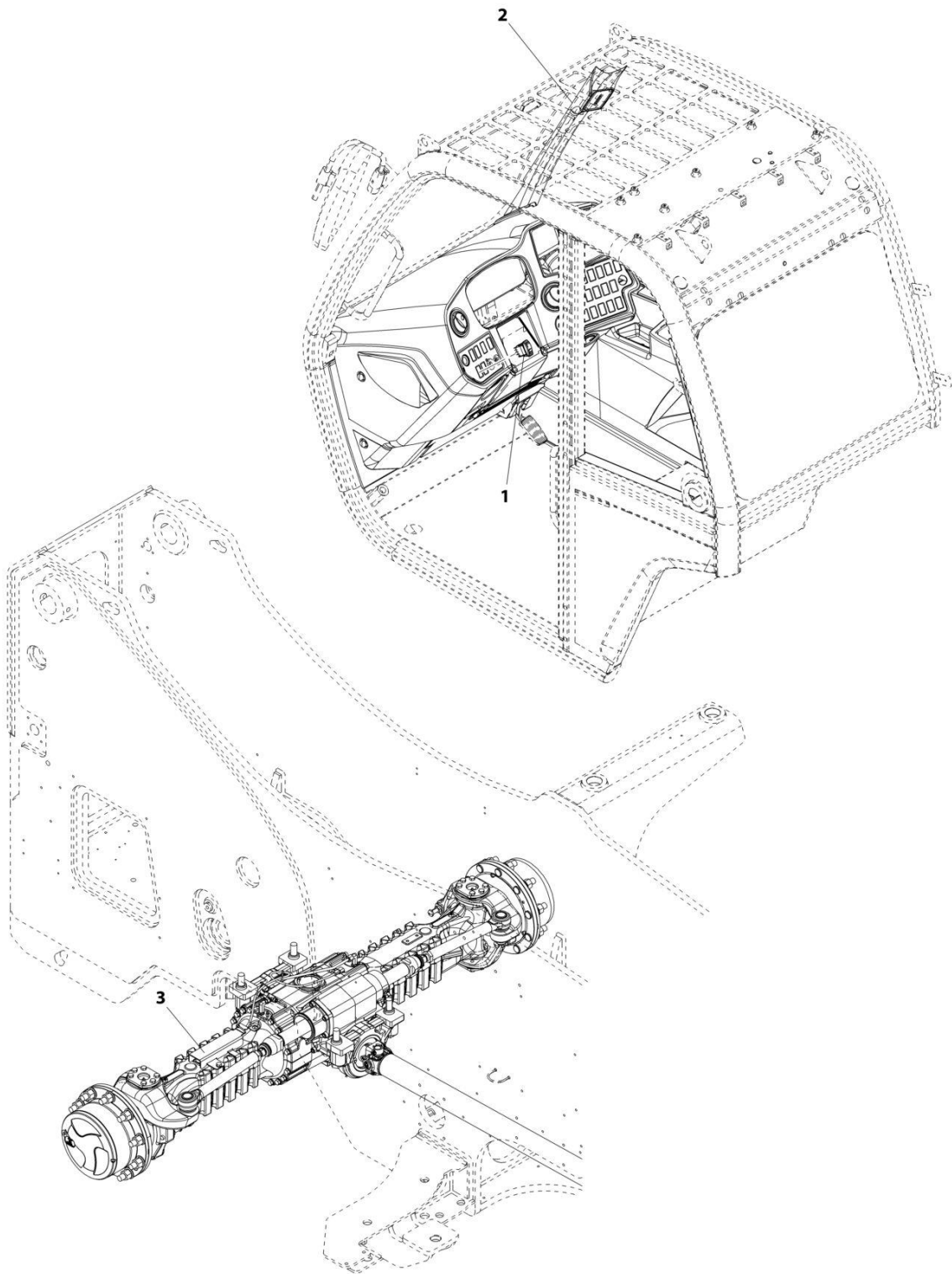
SECTION 10 - ELECTRICAL

FIGURE 10-70. LMIS WIRING INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
2	1001201598	Ref	LMIS Wiring Installation	C
	1001201600	1	Harness, LMIS Boom (See Separate Breakdown in this Section)	

SECTION 10 - ELECTRICAL

FIGURE 10-71. LSI INSTALLATION



ART_1001258642-A

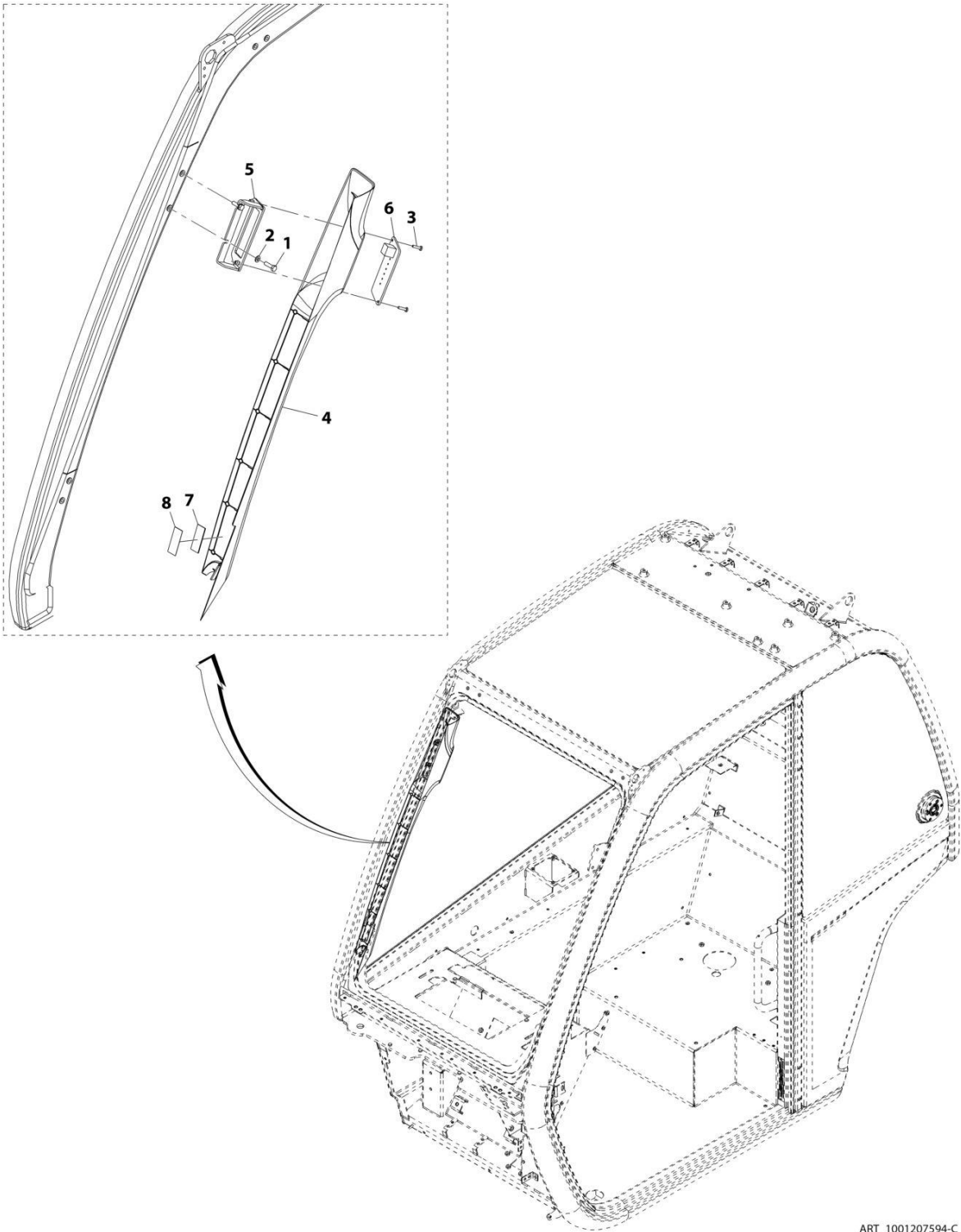
SECTION 10 - ELECTRICAL

FIGURE 10-71. LSI INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258642	Ref	LSI Installation	A
1	1001159742	1	Switch, LSI Override	
2	1001207594	1	Installation, LSI Display (See Separate Breakdown in this Section)	
3	1001258644	1	Installation, LSI Sensor (See Separate breakdown in this Section)	

SECTION 10 - ELECTRICAL

FIGURE 10-72. LSI DISPLAY INSTALLATION



ART_1001207594-C

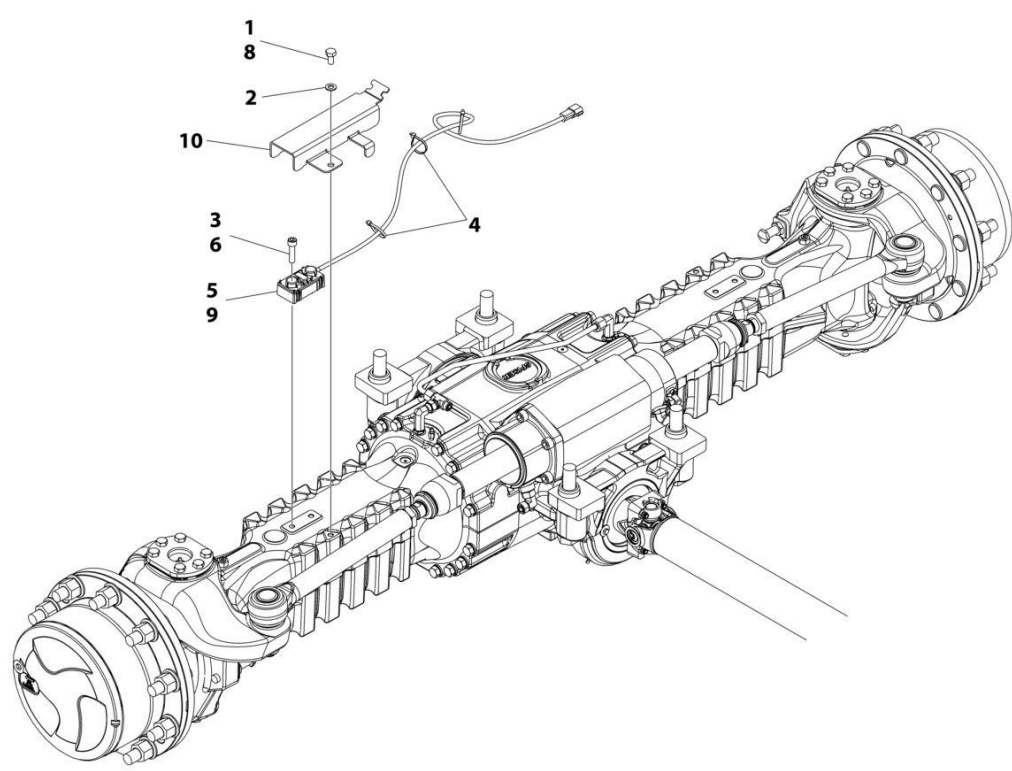
SECTION 10 - ELECTRICAL

FIGURE 10-72. LSI DISPLAY INSTALLATION

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 10 - ELECTRICAL

FIGURE 10-73. LSI SENSOR INSTALLATION



ART_1001258644

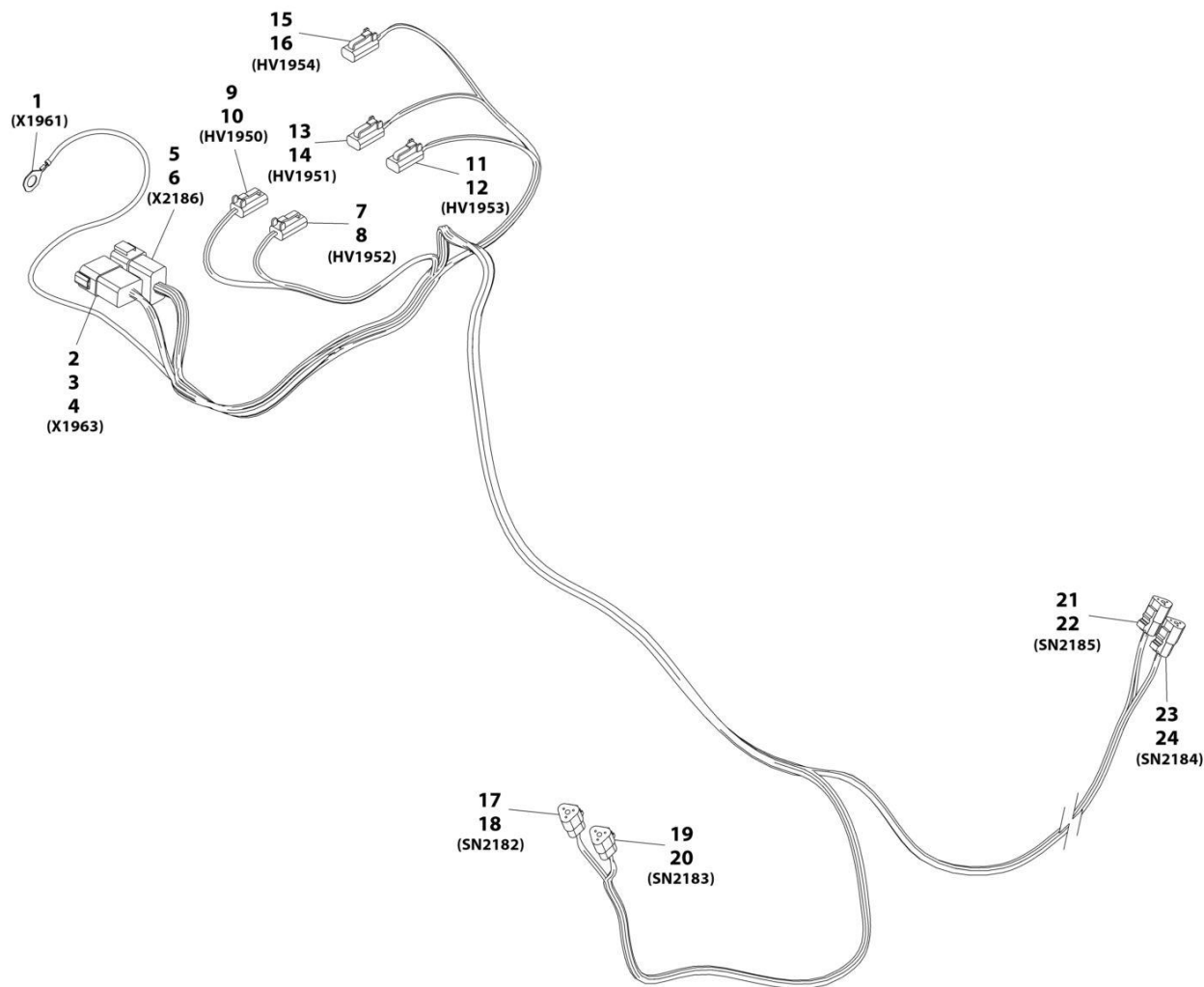
SECTION 10 - ELECTRICAL

FIGURE 10-73. LSI 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 10 - ELECTRICAL

FIGURE 10-74. OUTRIGGER HARNESS



ART_1001239952-A

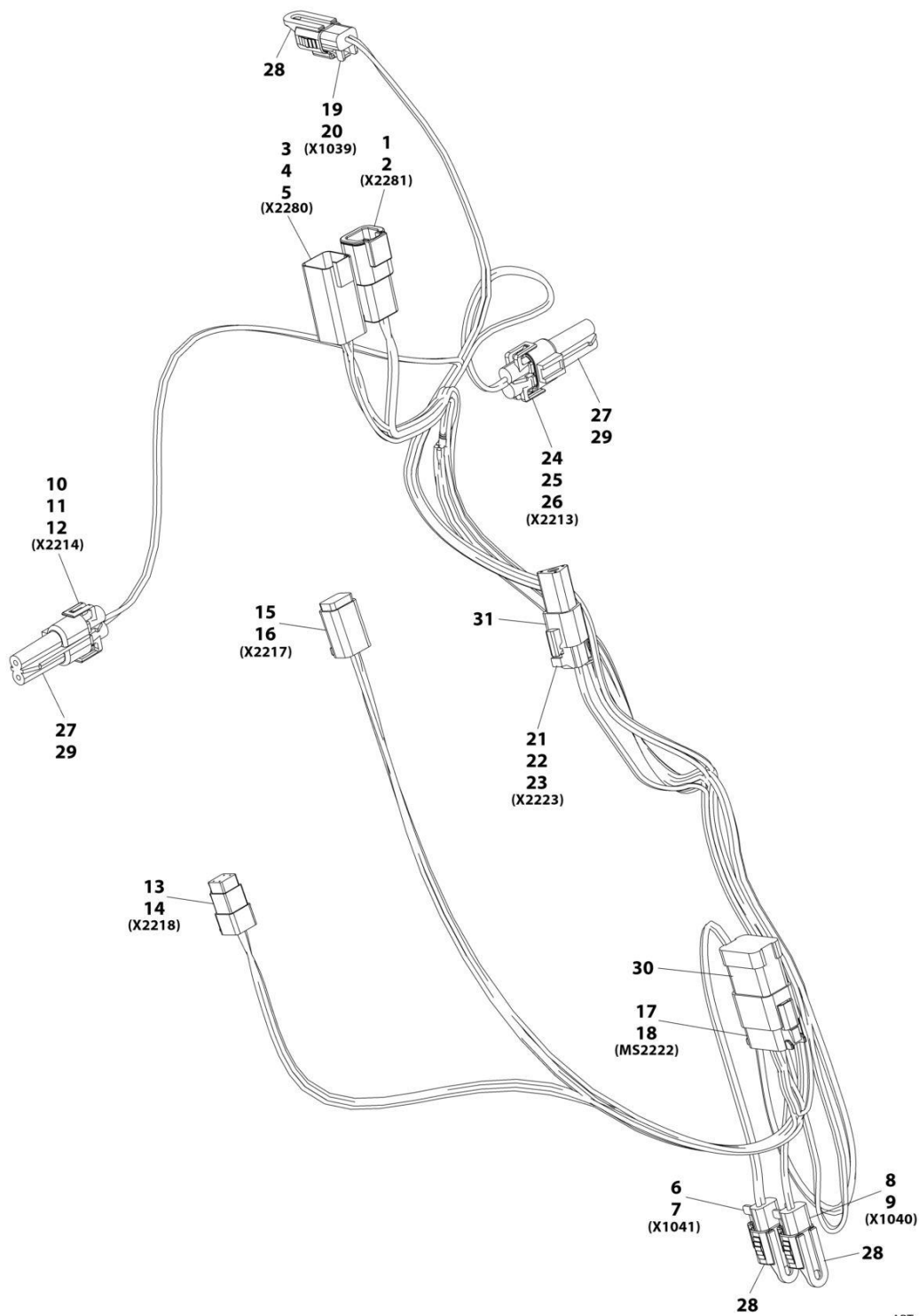
SECTION 10 - ELECTRICAL

FIGURE 10-74. OUTRIGGER HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239952	Ref	Outrigger Harness	A
1	1001187078	1	Connector	
2	4460931	1	Connector	
3	4460464	6	Terminal	
4	4460466	2	Plug	
5	4460950	1	Connector	
6	4460464	12	Terminal	
7	4460891	1	Connector	
8	4460465	2	Terminal	
9	4460891	1	Connector	
10	4460465	2	Terminal	
11	4460891	1	Connector	
12	4460465	2	Terminal	
13	4460891	1	Connector	
14	4460465	2	Terminal	
15	4460891	1	Connector	
16	4460465	2	Terminal	
17	4460539	1	Connector	
18	4460465	3	Terminal	
19	4460539	1	Connector	
20	4460465	3	Terminal	
21	4460539	1	Connector	
22	4460465	3	Terminal	
23	4460539	1	Connector	
24	4460465	3	Terminal	

SECTION 10 - ELECTRICAL

FIGURE 10-75. PLATFORM HARNESS



ART_1001244648-C

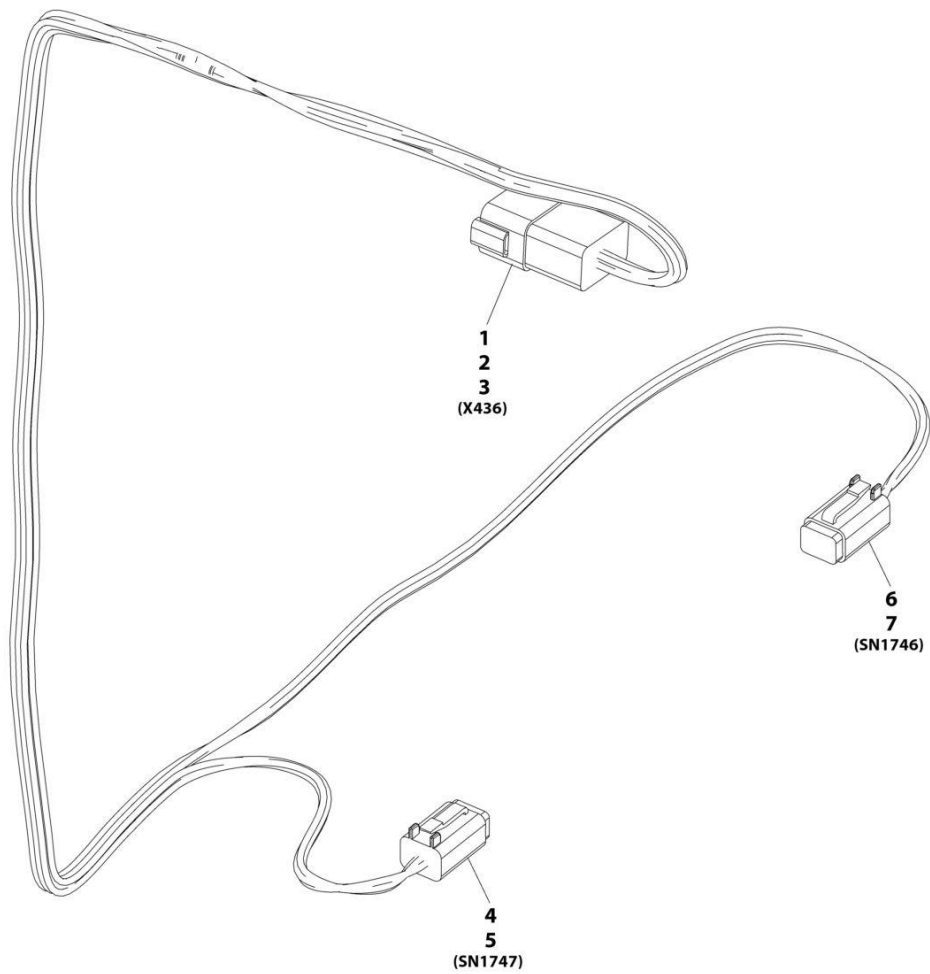
SECTION 10 - ELECTRICAL

FIGURE 10-75. PLATFORM HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244648	Ref	Platform Harness	C
1	4461017	1	Connector	
2	1001150610	2	Terminal	
3	4460899	1	Connector	
4	4460943	2	Terminal	
5	4460464	4	Terminal	
6	4460891	1	Connector	
7	4460942	2	Terminal	
8	4460891	1	Connector	
9	4460465	1	Terminal	
10	4461115	1	Connect	
11	1001116728	2	Terminal	
12	4460458	2	Seal	
13	4461077	1	Connector	
14	1001126008	4	Terminal	
15	4460884	1	Connector	
16	4460465	4	Terminal	
17	4460930	1	Connector	
18	4460465	8	Terminal	
19	4460891	1	Connector	
20	4460465	2	Terminal	
21	4461095	1	Connector	
22	4460944	2	Terminal	
23	4460466	1	Plug	
24	4461115	1	Connector	
25	1001116728	2	Terminal	
26	4460458	2	Plug	

SECTION 10 - ELECTRICAL

FIGURE 10-76. PLATFORM READY HARNESS



ART_1001201601-A

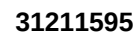
SECTION 10 - ELECTRICAL

FIGURE 10-76. PLATFORM READY HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001201601	Ref	Platform Ready Harness	A
1	4460931	1	Connector	
2	4460464	6	Terminal	
3	4460466	2	Plug	
4	4460884	1	Connector	
5	4460944	4	Terminal	
6	4460884	1	Connector	
7	4460944	4	Terminal	

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ART_1001267699

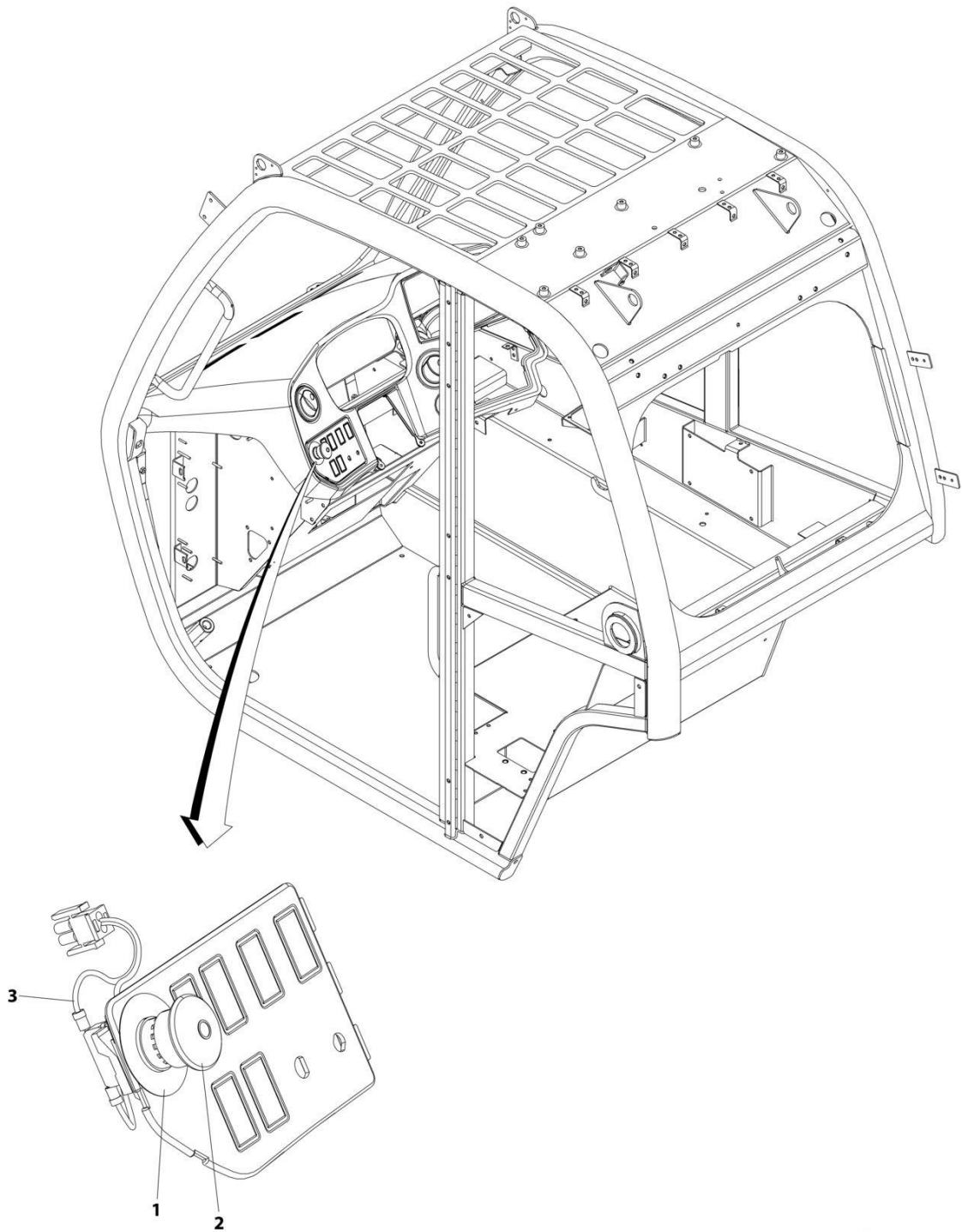
SECTION 10 - ELECTRICAL

FIGURE 10-77. REMOTE CONTROL BOOM INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001267699	Ref	REMOTE CONTROL BOOM INSTALLATION	A
1	0760615	2	Bolt M6 x 35	
2	0760808	3	Bolt M8 x 16	
3	3291005	1	Nut M10 x 1.5	
4	3311005	2	Nut 10	
5	3911010	2	Bolt 10 x 5/8	
6	4360657	1	Switch, Ignition	
7	4711000	4	Washer 10	
8	4811700	2	Washer M6	
9	4811900	3	Washer M8	
10	4812000	2	Washer M10	
11	1001008559	4	Strap	
12	1001171808	1	Spacer	
13	1001200910	1	Lamp, Blue Beacon	
14	1001206112	1	Control, Remote Controller	
15	1001209194	1	Control, Remote	
16	1001241610	1	Cab Key Harness (See Separate Breakdown in this Section)	
17	1001258749	1	Bracket, Roof Beacon	
18	1001259205	1	Remote Control Power Harness (See Separate Breakdown in this Section)	
19	1001259246	1	Installation, Remote Control Emergency Stop Switch (See Separate Breakdown in this Section)	
20	0701018	1	Bolt M10 x 50	
21	1001266353	1	Installation, Emergency Lowering (See Separate Breakdown in HYDRAULIC CIRCUITS Section)	
22	1001268354	1	Decal, Ignition Switch	
23	1001269175	1	Decal, Boom Extend	
24	1001269176	1	Decal, Boom Angle Indicator	
25	1001269177	1	Plate	

SECTION 10 - ELECTRICAL

FIGURE 10-78. REMOTE CONTROL EMERGENCY STOP SWITCH INSTALLATION



ART_1001259246

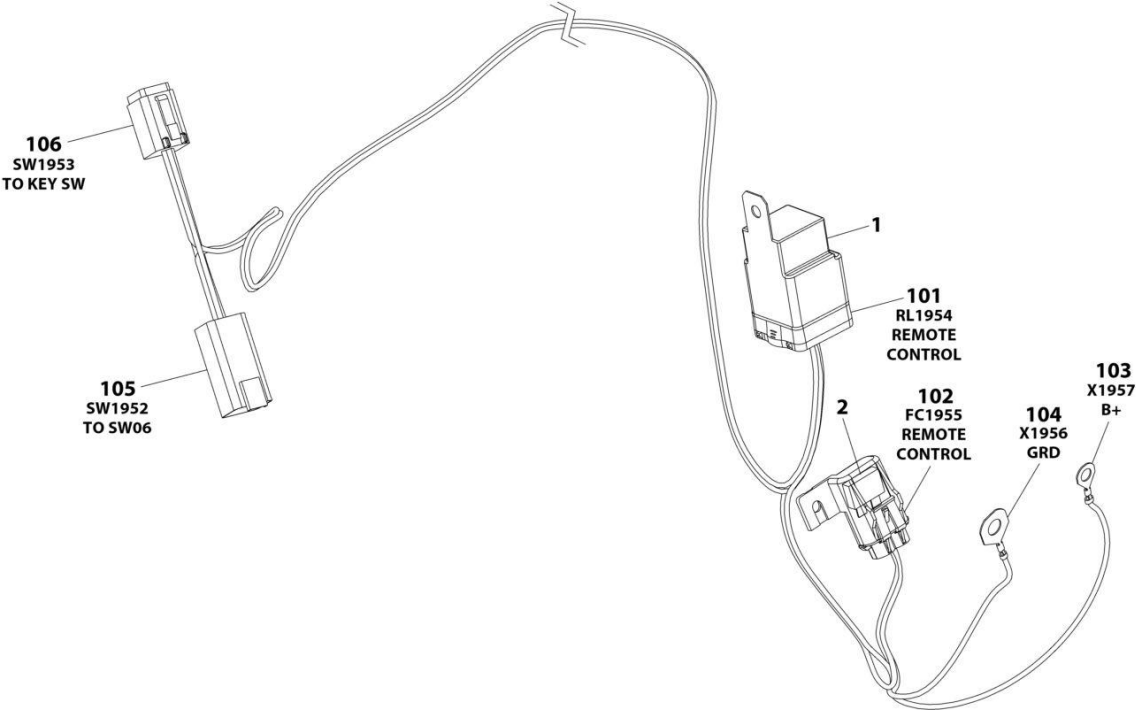
SECTION 10 - ELECTRICAL

FIGURE 10-78. REMOTE CONTROL EMERGENCY STOP SWITCH INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001259246	Ref	Remote Control Emergency Stop Switch Installation	A
1	1704260	1	Decal - Emergency Stop	
2	4360475	1	Switch, Emergency Stop	
3	1001259224	1	Harness, EMS Switch	
3	4460320	1	Connector	
3	4460183	2	Terminal	

SECTION 10 - ELECTRICAL

FIGURE 10-79. REMOTE CONTROL POWER HARNESS



ART_1001259205

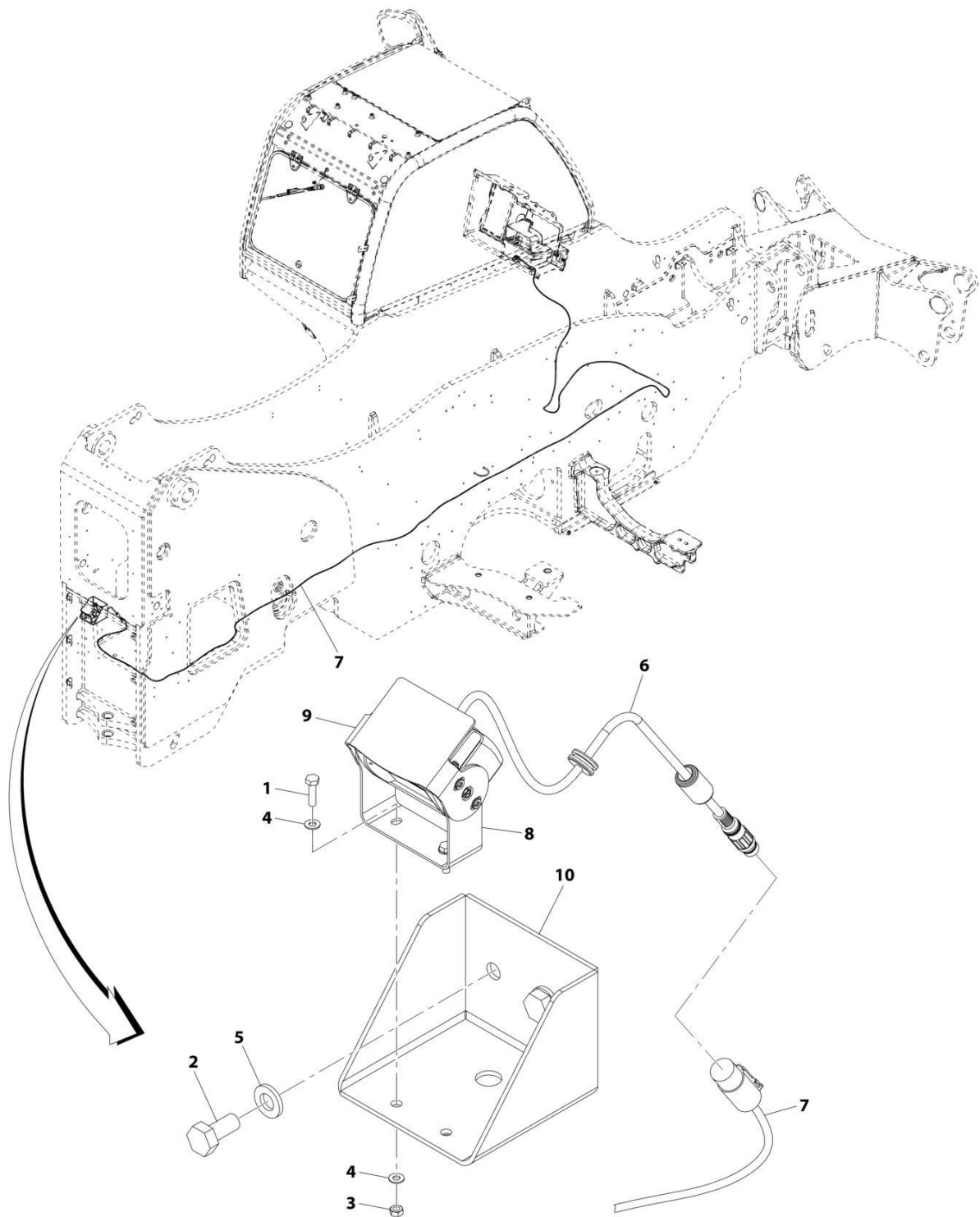
SECTION 10 - ELECTRICAL

FIGURE 10-79. REMOTE CONTROL POWER HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001259205	Ref	Remote Control Power Harness	A
1	3740080	1	Relay	
2	8229234	1	Fuse, 10Amp	
101	1001231398	1	Connector, Relay	
101	1001231400	4	Terminal	
101	1001231404	4	Seal, Terminal	
101	1001231406	1	Plug, Terminal	
102	1001231397	1	Connector - 2 Position	
102	1001231400	2	Terminal	
102	1001231404	2	Seal, Terminal	
103	1001207173	1	Terminal, Ring	
104	1001211775	1	Terminal, Ring	
105	4460899	1	Receptacle, Female - 6 Position	
105	4460464	4	Pin, Male	
105	4460466	2	Plug, Terminal	
106	4460894	1	Plug, Male - 6 Position	
106	4460465	4	Socket, Female	
106	4460466	2	Plug, Terminal	

SECTION 10 - ELECTRICAL

FIGURE 10-80. REVERSE CAMERA INSTALLATION



ART_1001208907-A

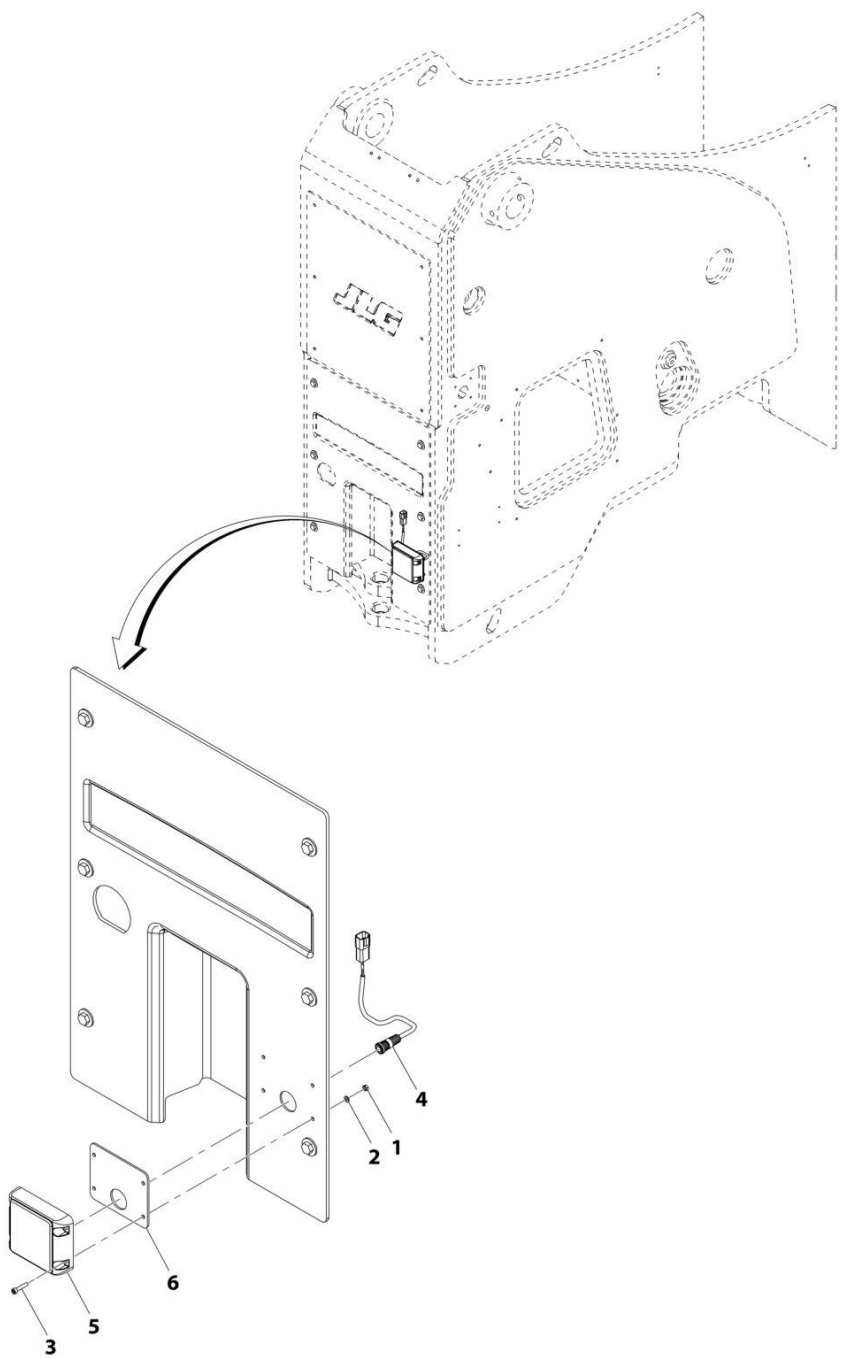
SECTION 10 - ELECTRICAL

FIGURE 10-80. REVERSE CAMERA INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001208907	Ref	Reverse Camera Installation	A
1	0700408	2	Bolt, M4X16	
2	0701011	2	Bolt, M10X22	
3	3290401	2	Nut, M4X0.7	
4	4811400	4	Washer, M4	
5	5241000	2	Washer, M10	
6	1001167017	1	Camera, Reverse	
7	1001171962	1	Cable, Reverse Camera	
8	1001202621	1	Bracket, Reverse Camera Mount	
9	1001202622	1	Bracket, Reverse Sun Shield	
10	1001208908	1	Bracket, Reverse Camera Mount	

SECTION 10 - ELECTRICAL

FIGURE 10-81. REVERSE SENSOR INSTALLATION



ART_1001208906

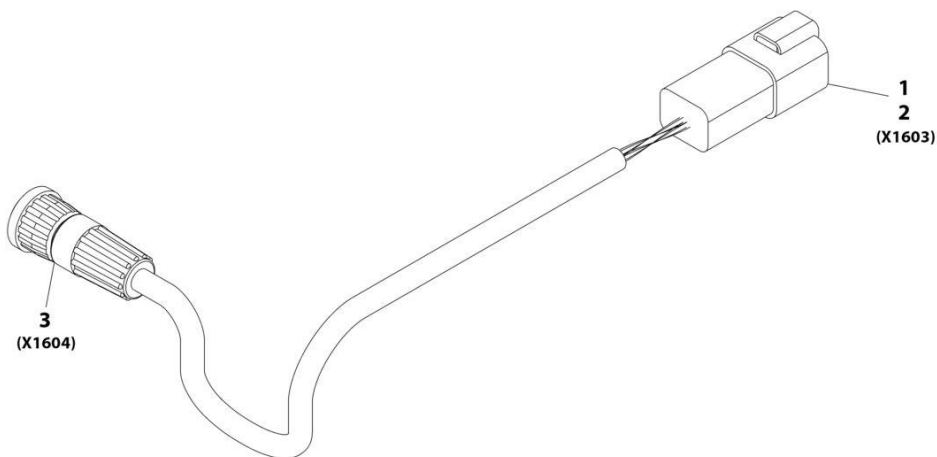
SECTION 10 - ELECTRICAL

FIGURE 10-81. REVERSE SENSOR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001208906	Ref	REVERSE SENSOR INSTALLATION	D
1	3290501	4	Nut M5	
2	4811600	4	Washer M5	
3	5271609	4	Screw M5 x 25	
4	1001175776	1	Harness, Reverse Sensor (See Separate Breakdown in this Section)	
5	1001247421	1	Sensor, Reverse	
6	1001251518	1	Plate	

SECTION 10 - ELECTRICAL

FIGURE 10-82. REVERSE SENSOR HARNESS



ART_1001175776-C

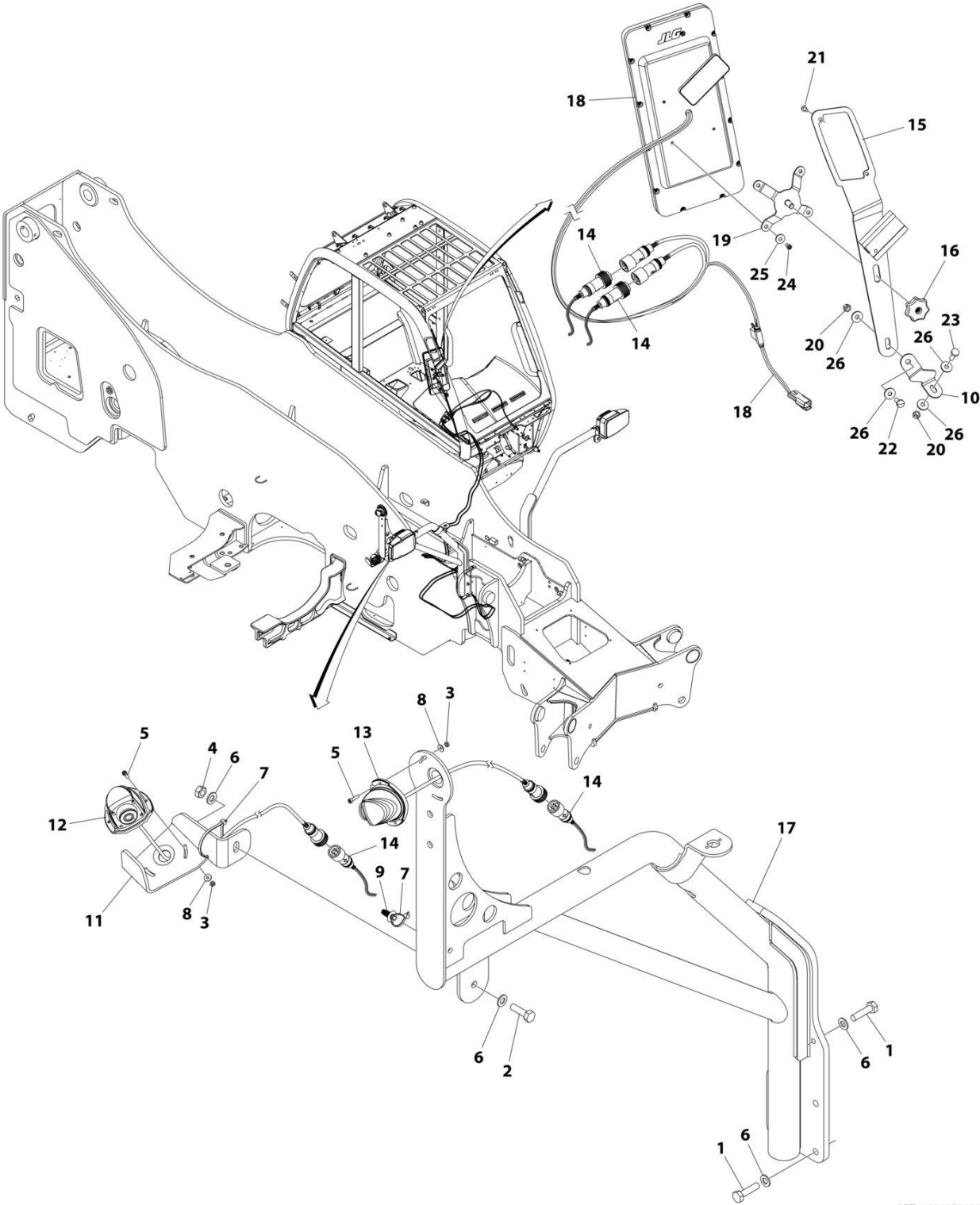
SECTION 10 - ELECTRICAL

FIGURE 10-82. 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 10-83. RIGHT SIDE CAMERA INSTALLATION



ART_1001270123

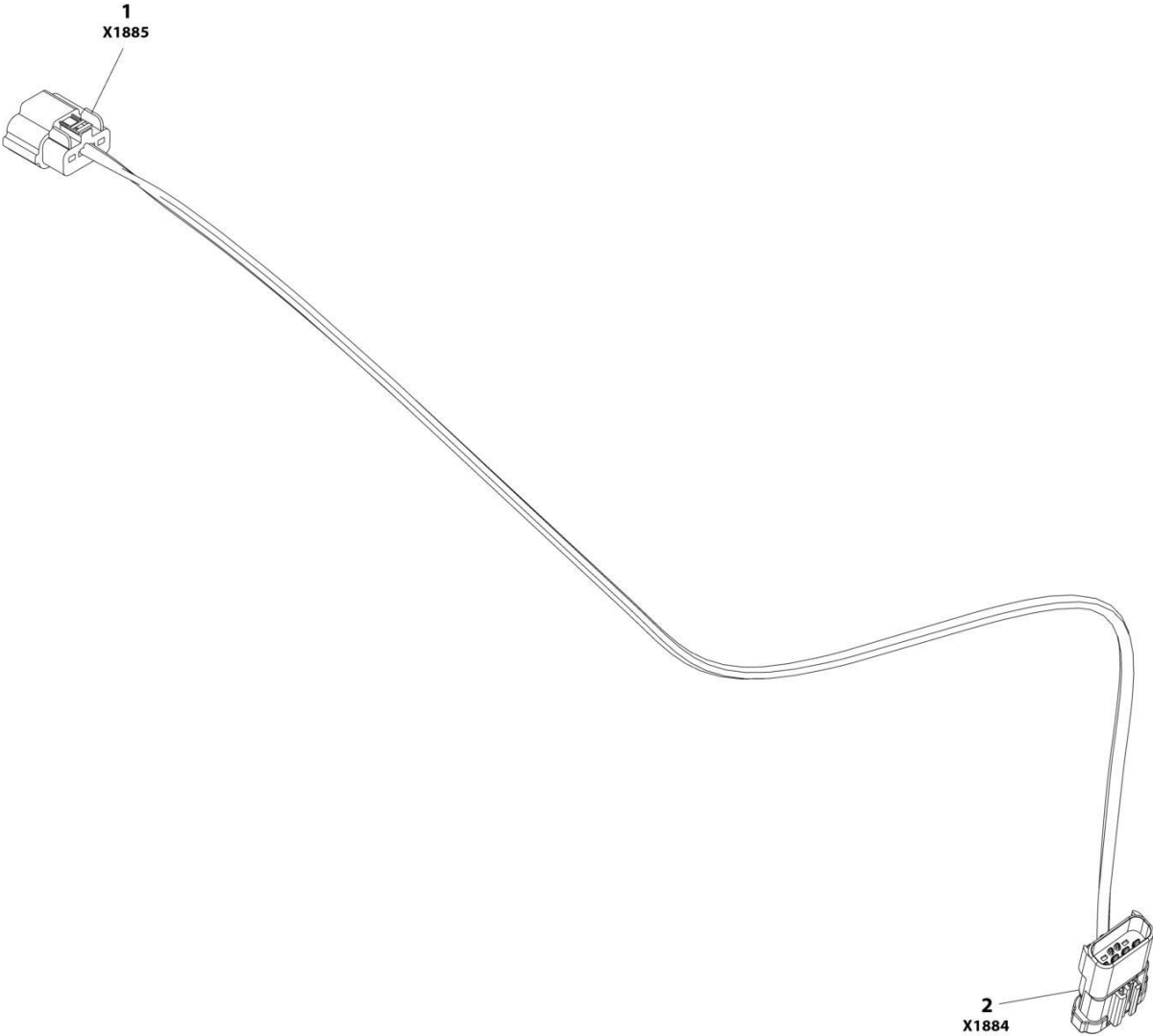
SECTION 10 - ELECTRICAL

FIGURE 10-83. RIGHT SIDE CAMERA INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001270123	Ref	CAMERA INSTALLATION	A
1	0701016	6	Bolt M10 x 40	
2	0761015	1	Bolt M10 x 35	
3	3290401	4	Nut M4 x 0.7	
4	3291001	1	Nut M10 x 1.5	
5	4031507	4	Bolt M4 x 16	
6	4812000	8	Washer M10	
7	1001008559	2	Tie-Strap	
8	1001091102	4	Washer M4	
9	1001202986	1	Strap, Push Mount	
10	1001260274	1	Plate, Display Bracket	
11	1001260580	1	Plate, Camera Bracket	
12	1001260685	1	Camera, Normal View	
13	1001260686	1	Camera, Mirror View	
14	1001260687	2	Cable, Extension	
15	1001260701	1	Bracket, Display	
16	1001265007	1	Knob, Display	
17	1001265347	1	Bracket, Camera	
18	1001265544	1	Display	
18	70031049	1	Control, Remote (Not Shown)	
19	1001271256	1	Mount, Display	
20	3290605001	2	Nut M6 x 1	
21	4010410002	2	Screw	
22	4010608002	1	Screw	
23	4010610002	1	Screw M6 x 20	
24	4031505001	4	Bolt M4 x 10	
25	4811602001	4	Washer M5	
26	4811702001	4	Washer M6	

SECTION 10 - ELECTRICAL

FIGURE 10-84. TBAP HARNESS



ART_1001184835

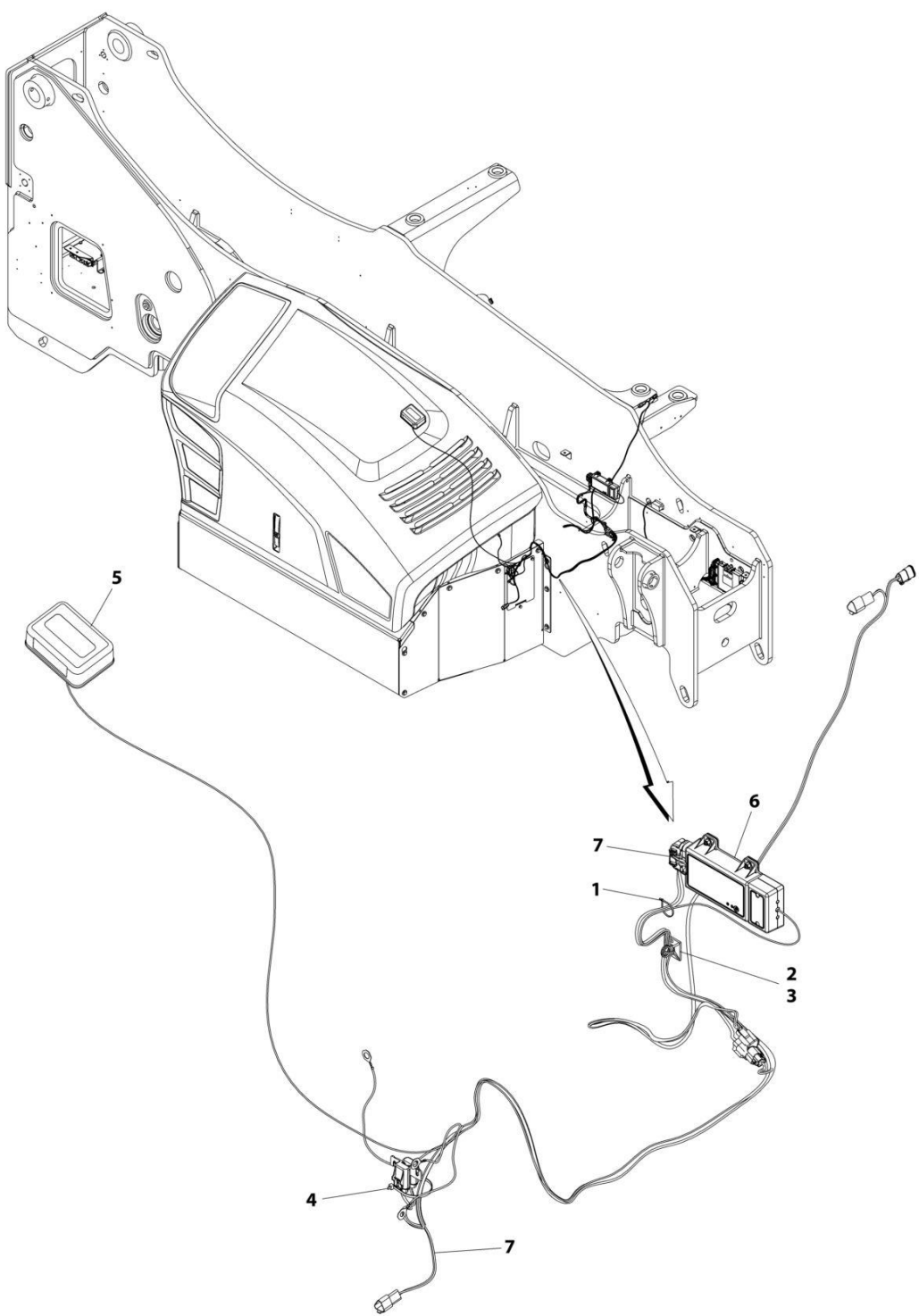
SECTION 10 - ELECTRICAL

FIGURE 10-84. 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 10-85. TELEMATICS CANBUS INSTALLATION



ART_1001250361

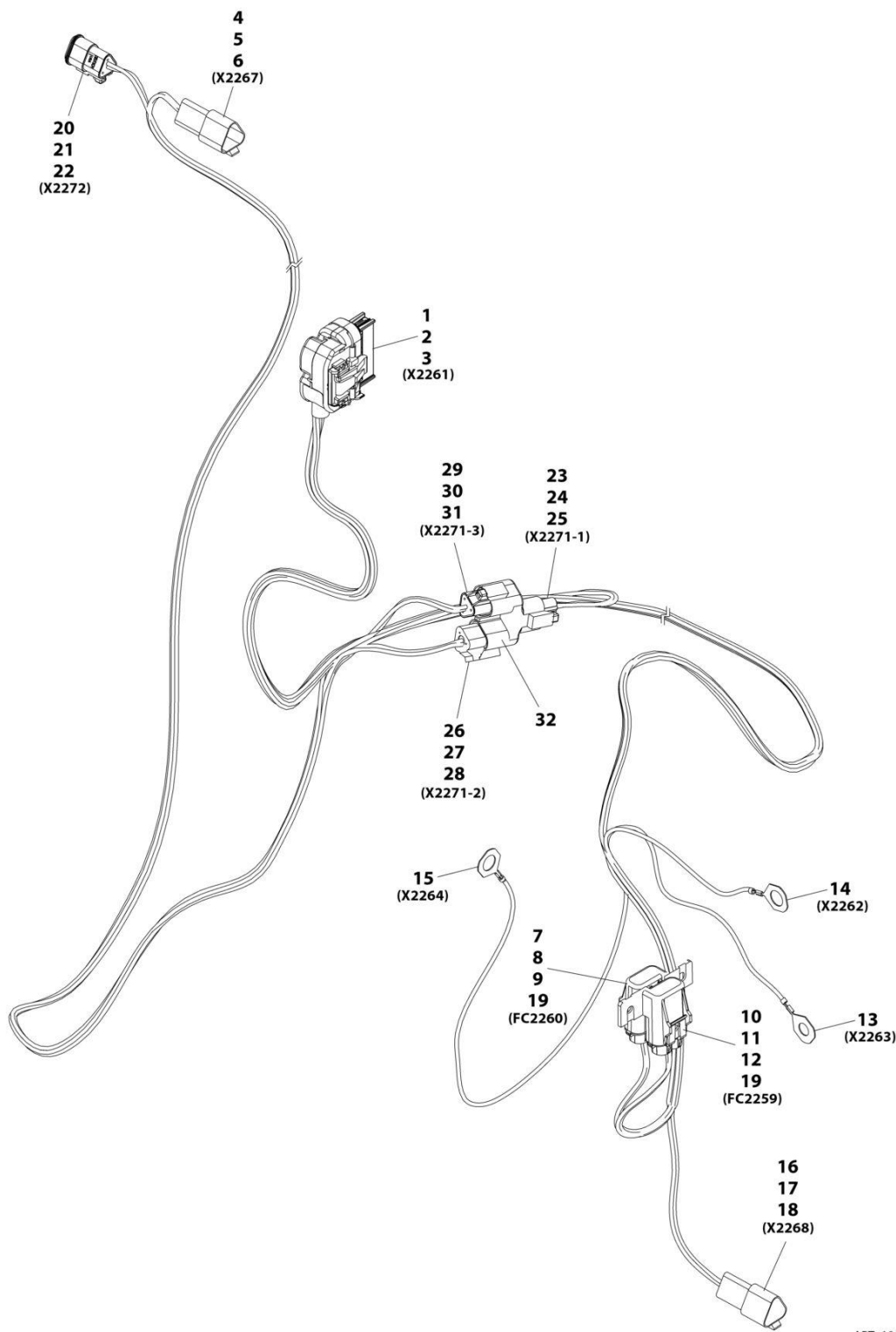
SECTION 10 - ELECTRICAL

FIGURE 10-85. TELEMATICS CANBUS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250361	Ref	TELEMATICS CANBUS INSTALLATION (CLEARSKY 2)	C
1	1062255	AR	Tie, Strap	
2	4240032	AR	Tie, Strap	
3	4460234	AR	Tie, Strap	
4	1001008559	1	Strap, Cable	
5	1001262326	1	Antenna, ClearSky Telematics	
6	1001262322	1	Module, ClearSky Telematics Canbus	
7	1001250701	1	Harness, Clearsky (See Separate Breakdown in this section)	

SECTION 10 - ELECTRICAL

FIGURE 10-86. TELEMATICS CLEARSKY HARNESS - CANBUS



ART_1001250701

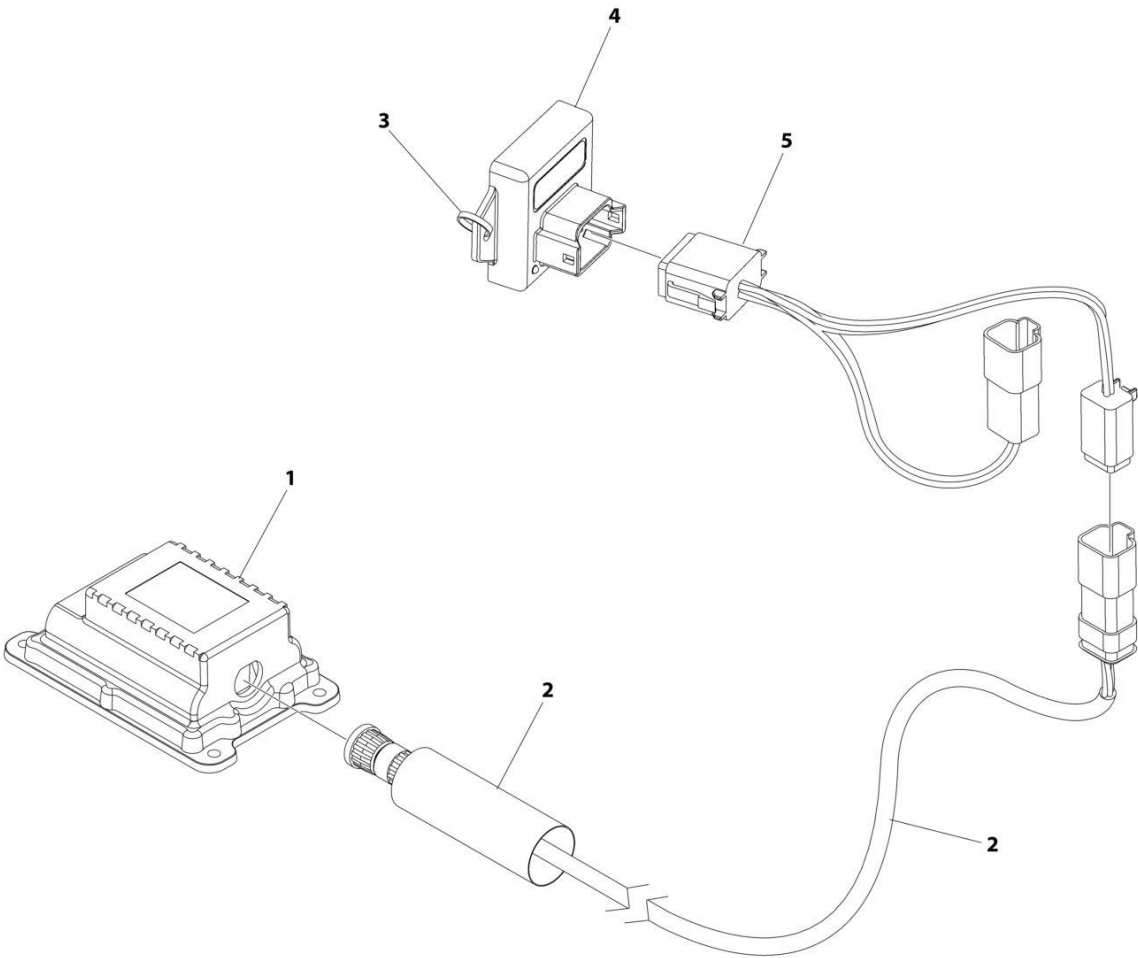
SECTION 10 - ELECTRICAL

FIGURE 10-86. TELEMATICS CLEARSKY HARNESS - CANBUS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250701	Ref	HARNESS (CLEARSKY)	C
1	1001226636	1	Connector	
2	1001116731	17	Plug	
3	1001226637	7	Terminal	
4	1001144147	1	Connector	
5	4460943	2	Terminal	
6	4460466	1	Plug	
7	1001231397	1	Connector	
8	1001231399	2	Terminal	
9	1001231404	2	Seal	
10	1001231397	1	Connector	
11	1001231399	2	Terminal	
12	1001231404	2	Seal	
13	1001211775	1	Terminal, Ring	
14	1001187077	1	Terminal, Ring	
15	1001187077	1	Terminal, Ring	
16	1001144147	1	Connector	
17	4460464	2	Terminal	
18	4460466	1	Plug	
19	8229261	2	Fuse, 5amp	
20	1001116812	1	Connector	
21	4460944	2	Terminal	
22	4460466	1	Plug	
23	1001116812	1	Connector	
24	4460944	2	Terminal	
25	4460466	1	Plug	
26	4460539	1	Connector	
27	4460944	2	Terminal	
28	4460466	1	Plug	
29	1001116812	1	Connector	
30	4460944	2	Terminal	
31	4460466	1	Plug	
32	4460945	1	Connector, 3 Way	

SECTION 10 - ELECTRICAL

FIGURE 10-87. TELEMATICS CLEARSKY INSTALLATION 3-WIRE (ANSI)



ART_1001229107

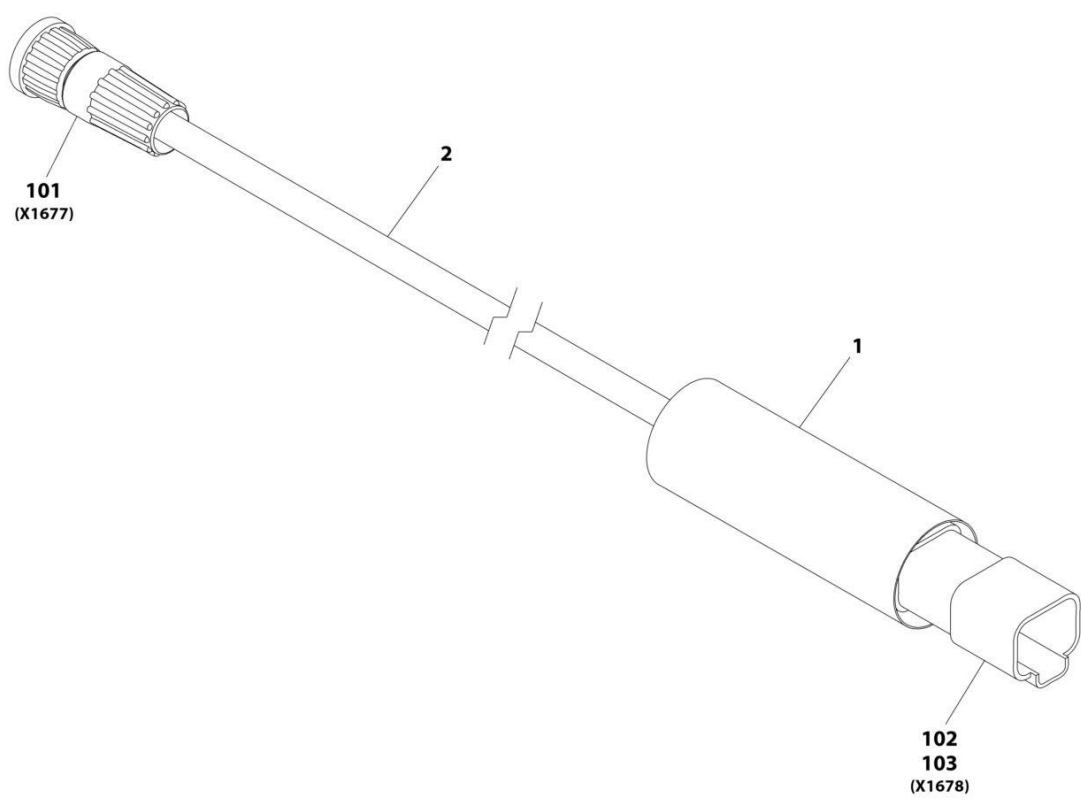
SECTION 10 - ELECTRICAL

FIGURE 10-87. TELEMATICS CLEARSKY INSTALLATION 3-WIRE (ANSI)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001229107	Ref	CLEARSKY INSTALLATION 3-WIRE	D
1	1001226328	1	Module, 3W TCU	
2	1001227066	1	Telematics ClearSky Harness (See Separate Breakdown in this Section)	
3	4240032	AR	Tie-Strap	
4	1001262960	1	Voltage Regulator	
5	1001262963	1	Harness, Xirgo Jumper	

SECTION 10 - ELECTRICAL

FIGURE 10-88. TELEMATICS CLEARSKY HARNESS - 3-WIRE



ART_1001227066-A

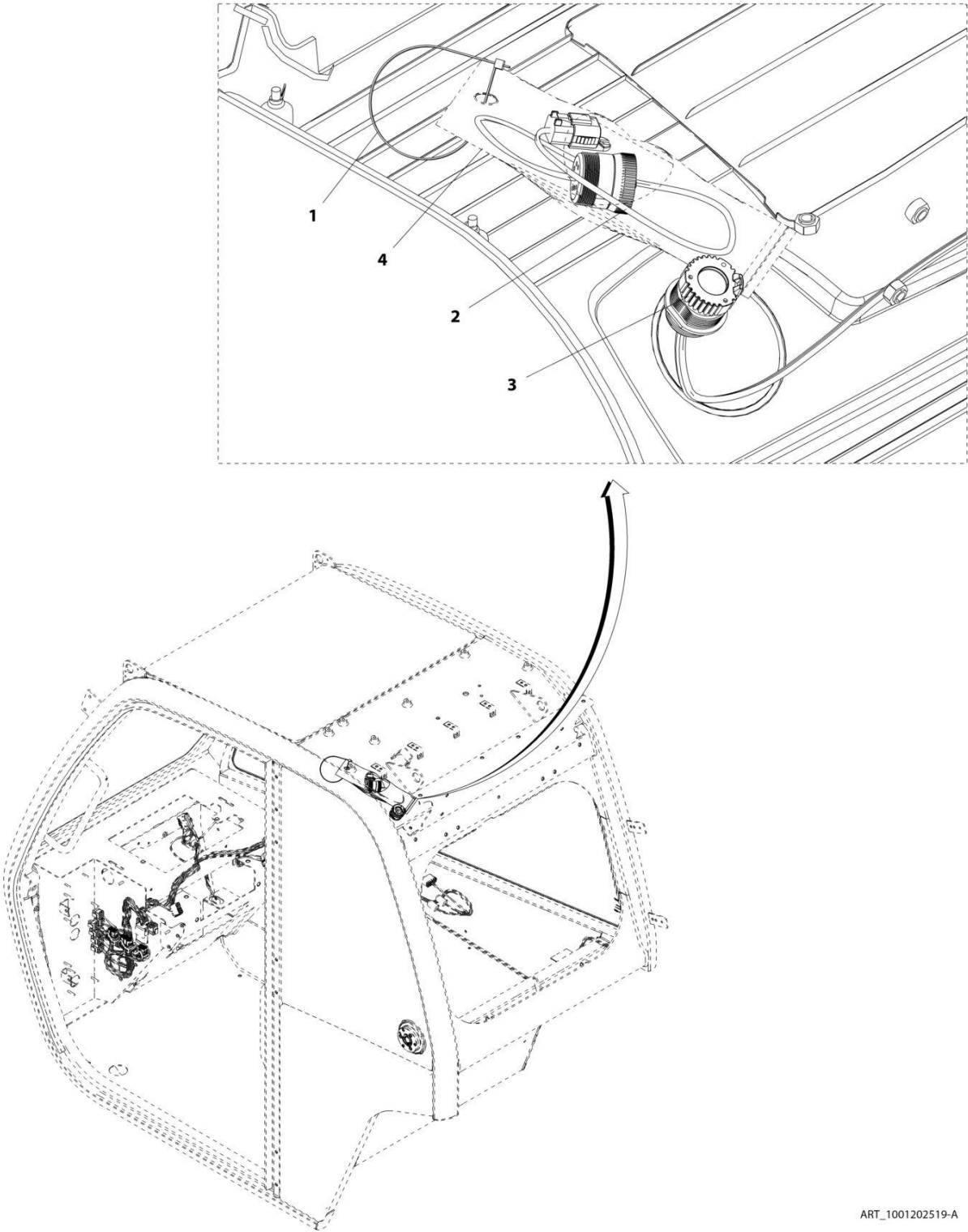
SECTION 10 - ELECTRICAL

FIGURE 10-88. TELEMATICS CLEARSKY HARNESS - 3-WIRE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227066	Ref	CLEARSKY TELEMATICS HARNESS	A
1	1001226400	0.33 ft	Insulate, Heat Shrink	
2	1001227068	3.3 ft	Cable	
101	1001227266	1	Connector	
102	1001129407	1	Connector	
103	4460464	4	Terminal	

SECTION 10 - ELECTRICAL

FIGURE 10-89. TELEMATICS READY INSTALLATION



ART_1001202519-A

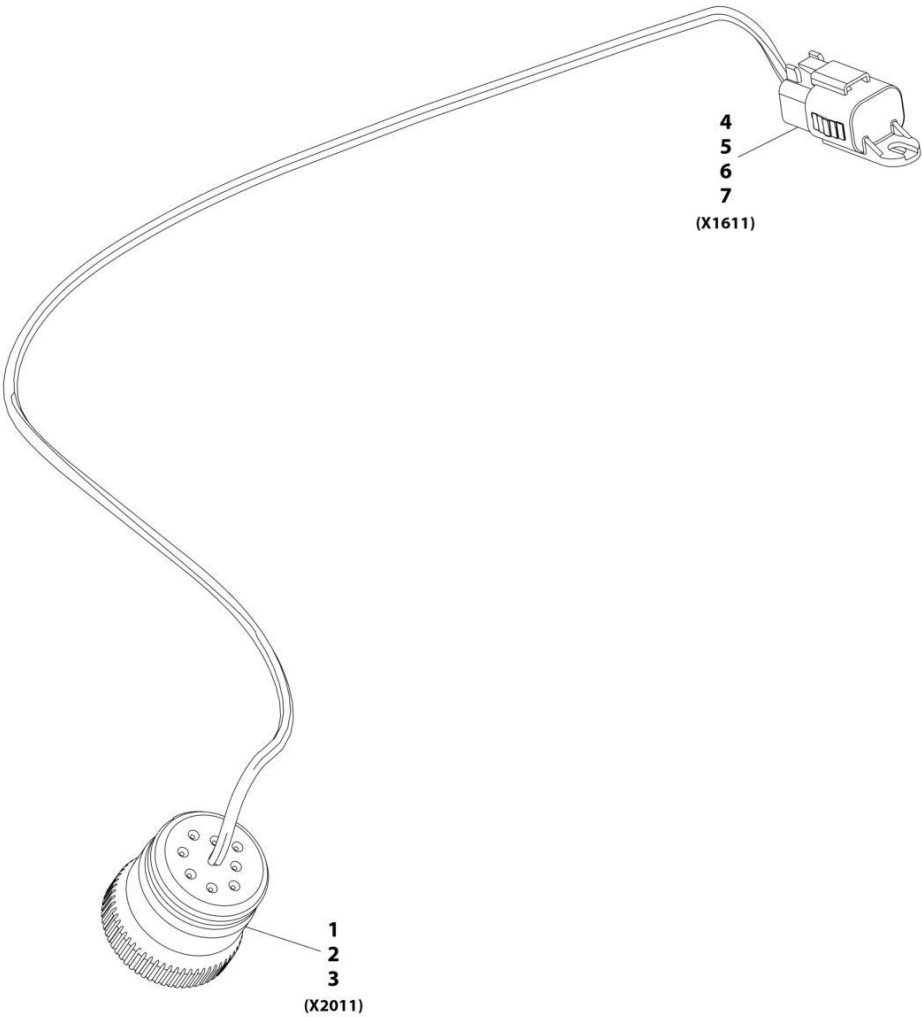
SECTION 10 - ELECTRICAL

FIGURE 10-89. TELEMATICS READY INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001202519	Ref	Telematics Ready Installation	A
1	8584003	1	Strap, Tie	
2	1001196289	1	Harness, Telematics Ready (See Separate Breakdown in ELECTRICAL Section)	
3	1001201162	1	Cap	
4	1001202617	1	Bag	

SECTION 10 - ELECTRICAL

FIGURE 10-90. TELEMATICS READY HARNESS



ART_1001196289-A

SECTION 10 - ELECTRICAL

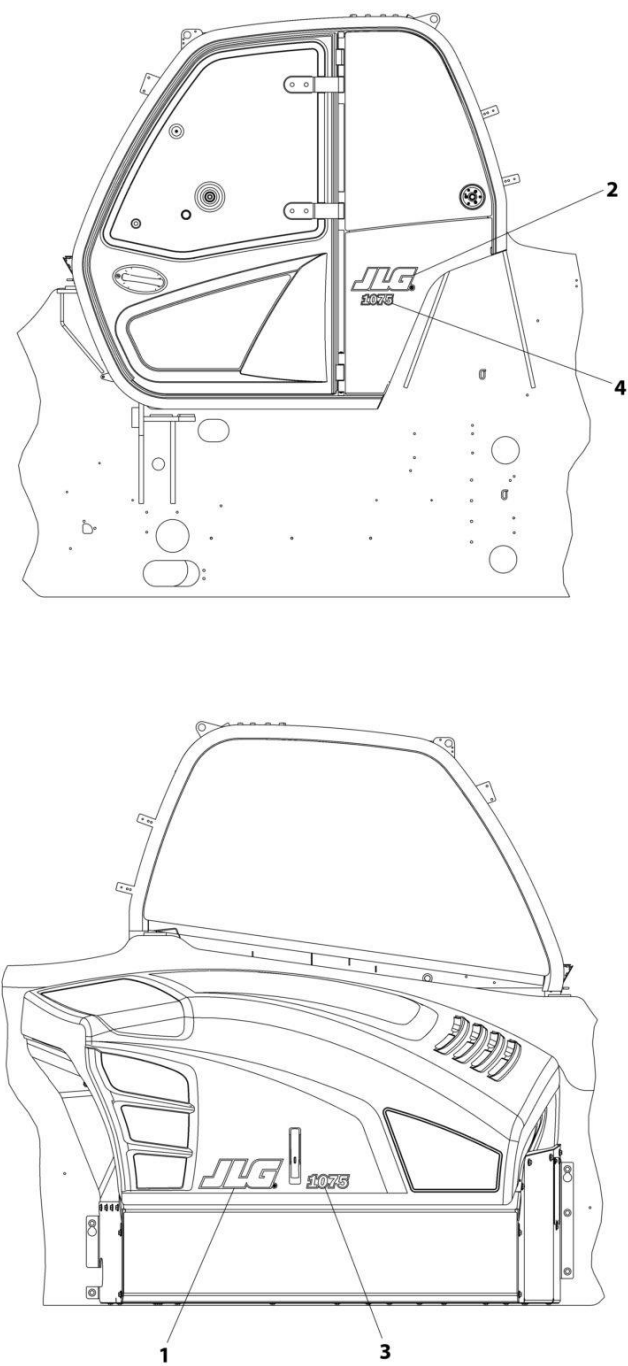
FIGURE 10-90. TELEMATICS READY HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001196289	Ref	Telematics Ready Harness	A
1	1001112796	1	Connector	
2	4460465	3	Terminal	
3	4460466	6	Plug	
4	4460884	1	Connector	
5	80604021	1	Lock, Connector	
6	4460465	3	Terminal	
7	4460466	1	Terminal	

SECTION 11 - DECALS

SECTION 11 - DECALS

FIGURE 11-1. BRANDING DECAL INSTALLATION



ART_1001250235-A

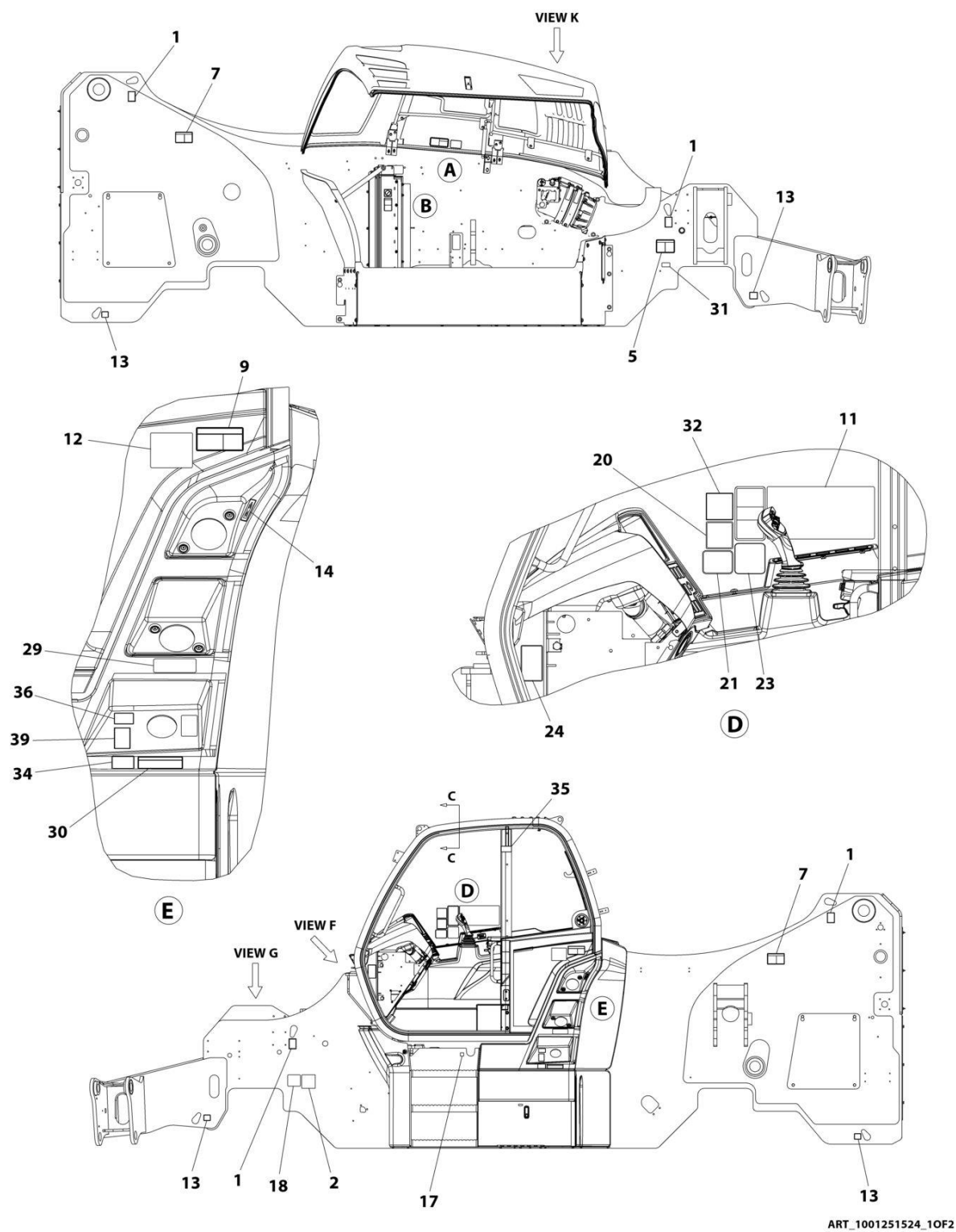
SECTION 11 - DECALS

FIGURE 11-1. BRANDING DECAL INSTALLATION

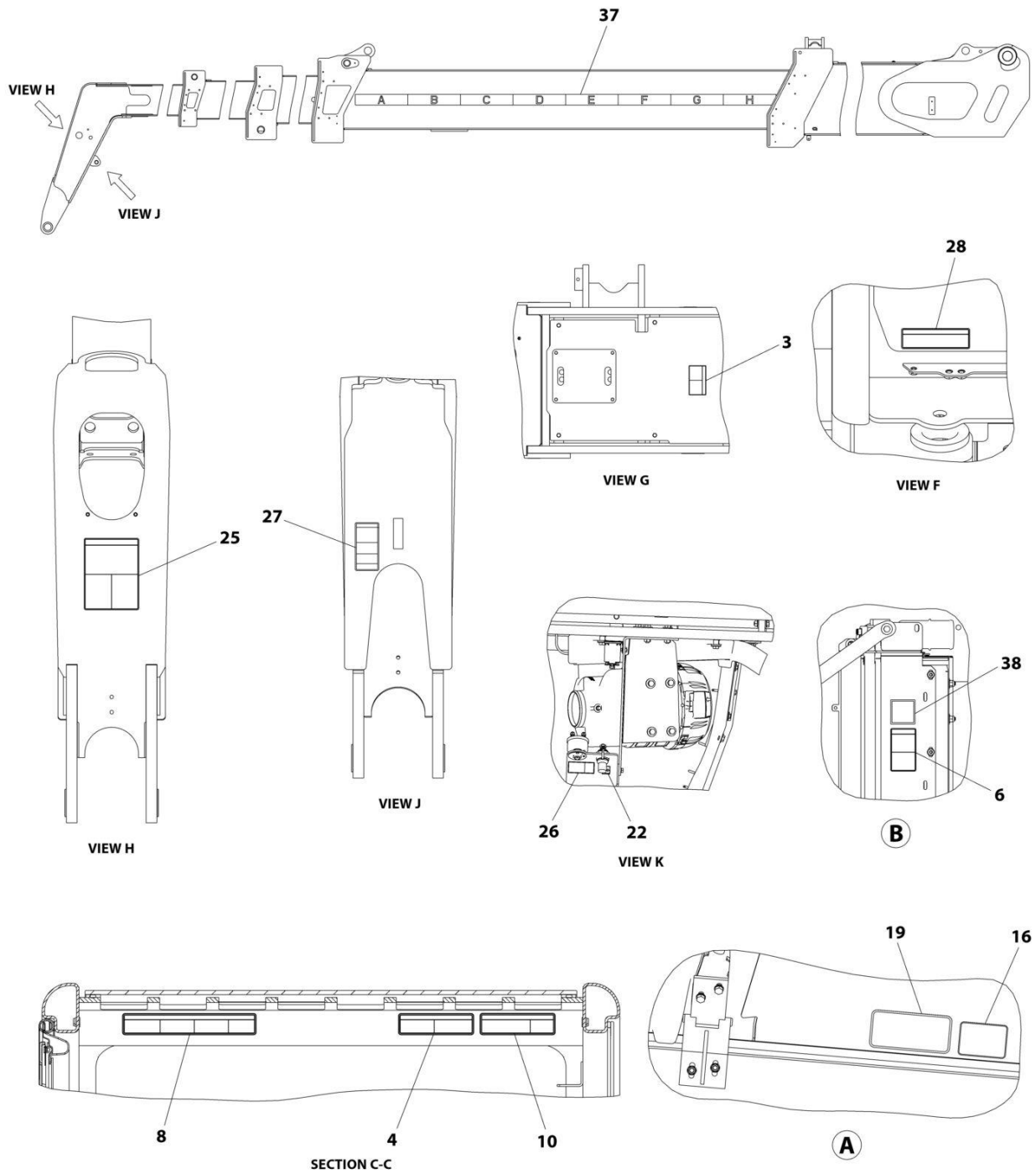
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250235	Ref	Branding Decal Installation	A
1	1001160775	1	Decal, JLG 5 Black	
2	1001169674	1	Decal, JLG	
3	1001250225	1	Decal, JLG 1075 Hood	
4	1001250226	1	Decal, JLG 1075 Cab	

SECTION 11 - DECALS

FIGURE 11-2. DECAL INSTALLATION (ANSI)



SECTION 11 - DECALS



ART_1001251524_2OF2

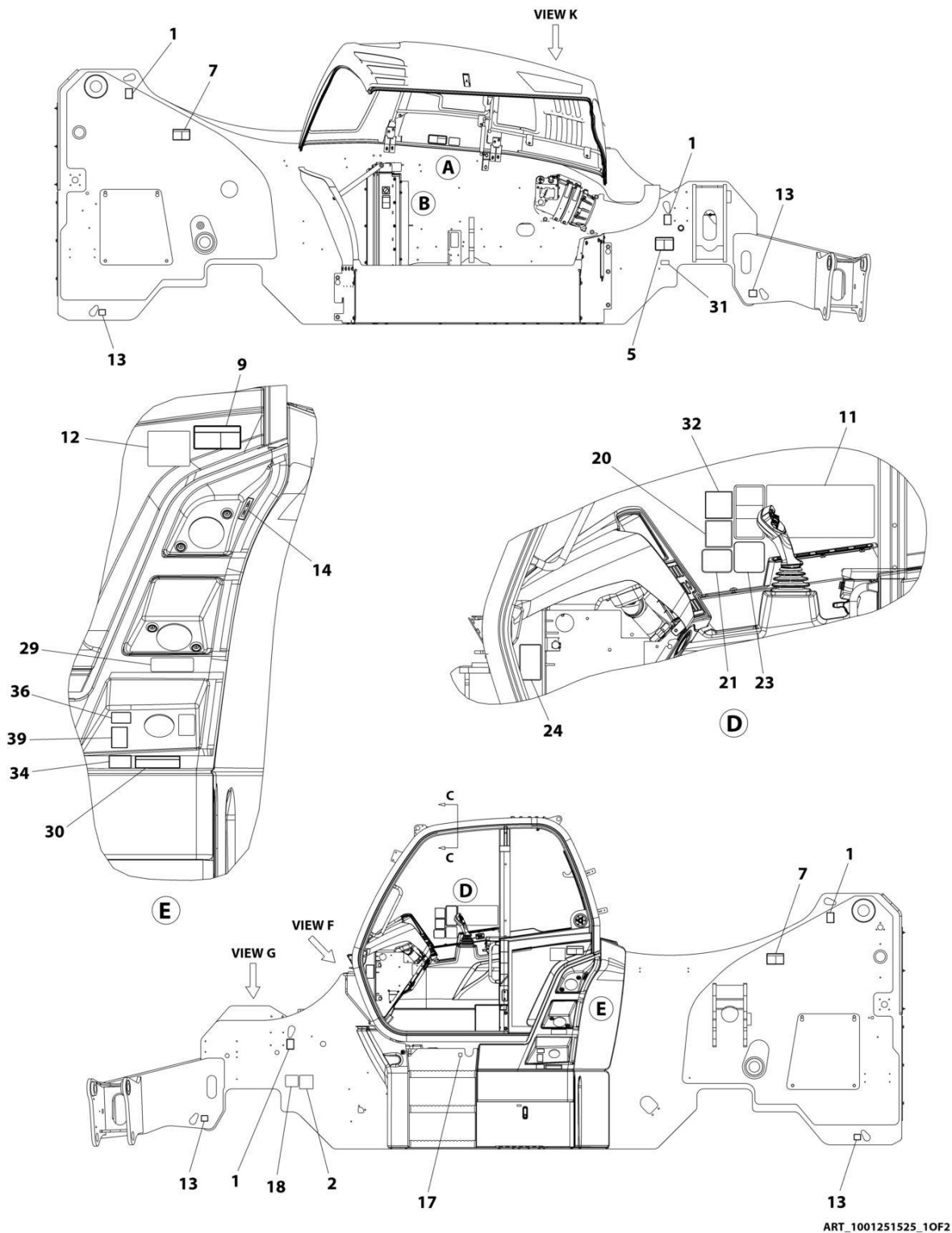
SECTION 11 - DECALS

FIGURE 11-2. DECAL INSTALLATION (ANSI)

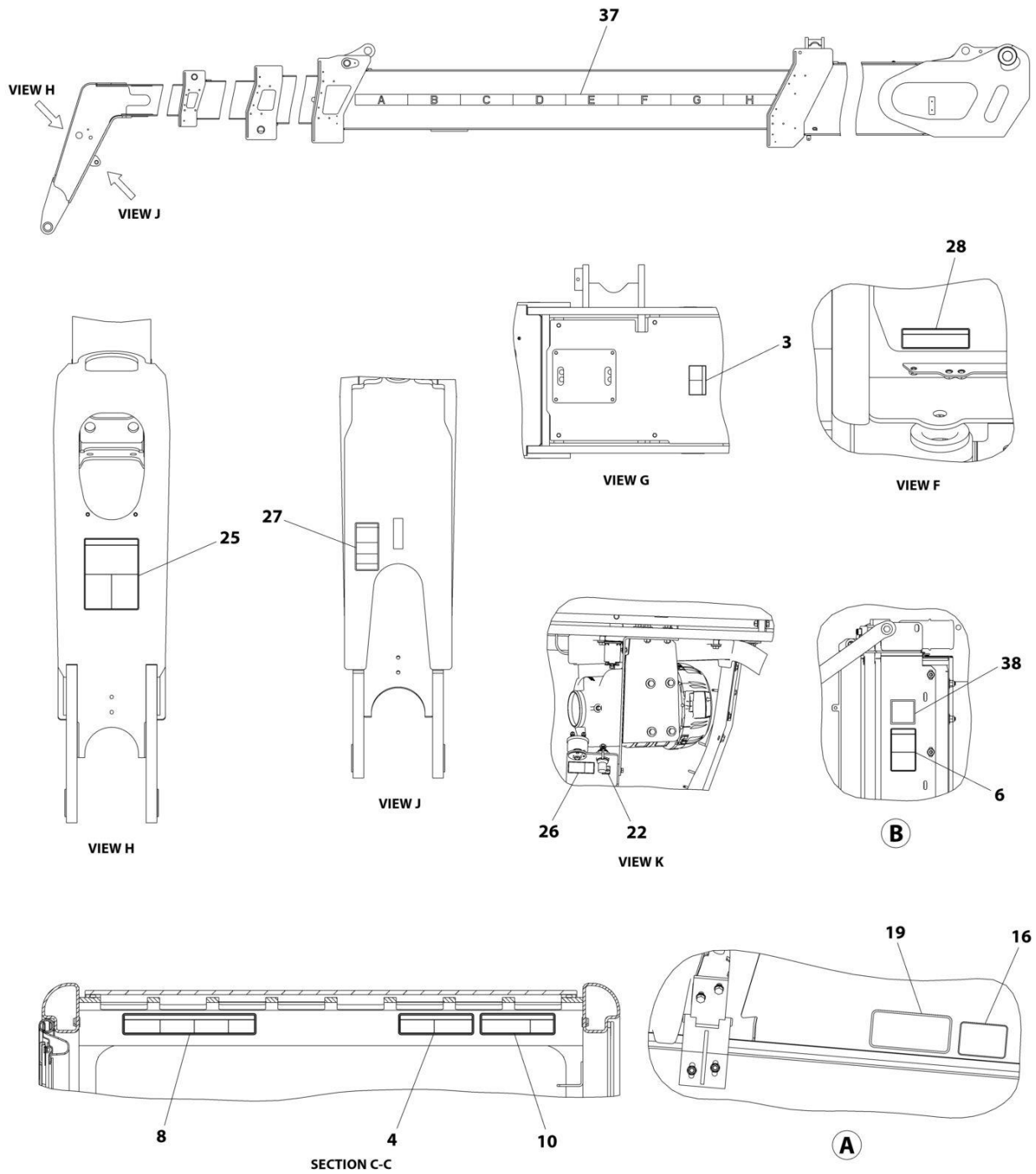
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001251524	Ref	DECAL INSTALLATION (ANSI)	C
1	1701500	4	Decal, Lift	
2	1702631	1	Decal, Bar Code	
3	1706296	1	Decal, Battery Warning	
4	1706299	1	Decal, Contacting Power Lines Warning	
5	1706300	1	Decal, Ether Warning	
6	1706301	1	Decal, Keep Clear Of Rotating Parts Warning	
7	1706302	2	Decal, Pinch Point Boom Holes	
8	1706306	1	Decal, Tip Over Warning	
9	1706768	1	Decal, Vehicle Roll Away	
10	1706850	1	Decal, Crush Hazard Warning	
11	1707078	1	Decal, Warning/Danger Cab	
12	3251813	1	Decal, USA	
13	4109801	4	Decal, Tie Down Point	
14	4100181	1	Decal, Hydraulic Oil Fill	
16	1001109053	1	Decal, Coolant Fill	
17	1001130323	1	Decal, Oil Level	
18	1001131271	1	Decal, Patent	
19	1001139578	1	Decal, Hot Fluid Warning	
20	1001172035	1	Decal, No Weld or Drill	
21	1001181537	1	Decal, Outrigger Switches	
22	1001184632	1	Decal, Battery Positive	
23	1001188372	1	Decal, Sway	
24	1001191229	1	Decal, Fuse Panel	
25	1001195849	1	Decal, Carry Personnel	
26	1001195855	1	Decal, Battery Disconnect	
27	1001207217	1	Decal, Danger Swinging Loads	
28	1001218659	1	Decal, Brake Fluid	
29	1001218704	1	Decal, Ultra Low Sulfur Diesel	
30	1001219212	1	Decal, DEF Fluid	
31	1001223453	1	Decal, ICES	
32	1001227287	1	Decal, Manual Location	
34	1001230310	1	Decal, JLG DEF Tank Service	
35	1001231801	1	Decal, Warning Prop 65 Diesel	
36	1001247646	1	Decal, DEF Min Refill Volume	
37	1001253095	1	Decal, Boom Extend	
38	AU2105	1	Decal, No Karcher	
39	1001196806	1	Decal, Diesel Exhaust Fluid	

SECTION 11 - DECALS

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



SECTION 11 - DECALS



ART_1001251525_2OF2

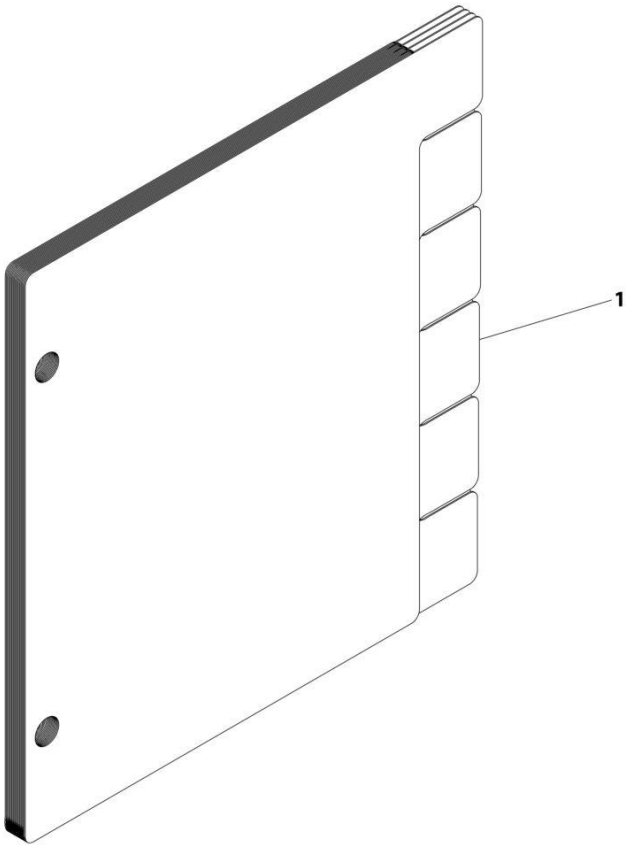
SECTION 11 - DECALS

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

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001251525	Ref	DECAL INSTALLATION (CSA ENGLISH/FRENCH)	C
1	1701500	4	Decal, Lift	
2	1702631	1	Decal, Bar Code	
3	1001163174	1	Decal, Battery Warning	
4	1001163210	1	Decal, Electrocution Hazard	
5	1001163212	1	Decal, Warning No Either	
6	1001163222	1	Decal, Moving Parts	
7	1001163223	2	Decal, Pinch Point	
8	1001163285	1	Decal, Warning Tip Over	
9	1001163300	1	Decal, No Riders	
10	1001163304	1	Decal, Warning Crushing Hazard	
11	1001233558	1	Decal, Warning/Danger Cab	
12	3251813	1	Decal, USA	
13	4109801	1	Decal, Tie Down Point	
14	4100181	4	Decal, Hydraulic Oil Fill	
16	1001109053	1	Decal, Coolant Fill	
17	1001130323	1	Decal, Oil Level	
18	1001131271	1	Decal, Patent	
19	1001163323	1	Decal, Warning Hot Fluid	
20	1001172035	1	Decal, No Weld Or Drill	
21	1001181537	1	Decal, Outrigger Switches	
22	1001184632	1	Decal, Battery Positive	
23	1001188372	1	Decal, Sway	
24	1001191229	1	Decal, Fuse Panel	
25	1001195851	1	Decal, Carry Personnel	
26	1001195855	1	Decal, Battery Disconnect	
27	1001209625	1	Decal, Danger Swinging Loads	
28	1001219211	1	Decal, Brake Fluid	
29	1001163355	1	Decal, Ultra Low Sulfur Diesel	
30	1001219212	1	Decal, DEF Fluid	
31	1001223453	1	Decal, ICES	
32	1001227287	1	Decal, Manual Location	
34	1001230311	1	Decal DEF Tank	
36	1001247646	1	Decal, DEF Min Refill Volume	
37	1001253095	1	Decal, Boom Extend	
38	AU2105	1	Decal, No Karcher	
39	1001196806	1	Decal, Diesel Exhaust Fluid	

SECTION 11 - DECALS

FIGURE 11-4. LOADCHARTS (ANSI)



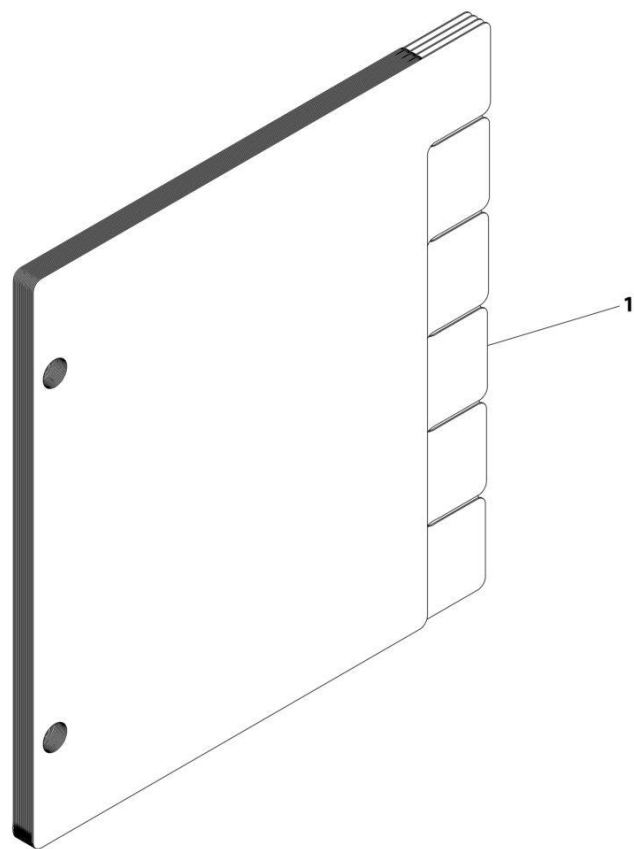
ART_1001259238

FIGURE 11-4. LOADCHARTS (ANSI)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001259238	1	LOADCHARTS (ANSI)	

SECTION 11 - DECALS

FIGURE 11-5. REMOTE CONTROL BOOM (ANSI)



ART_1001271062

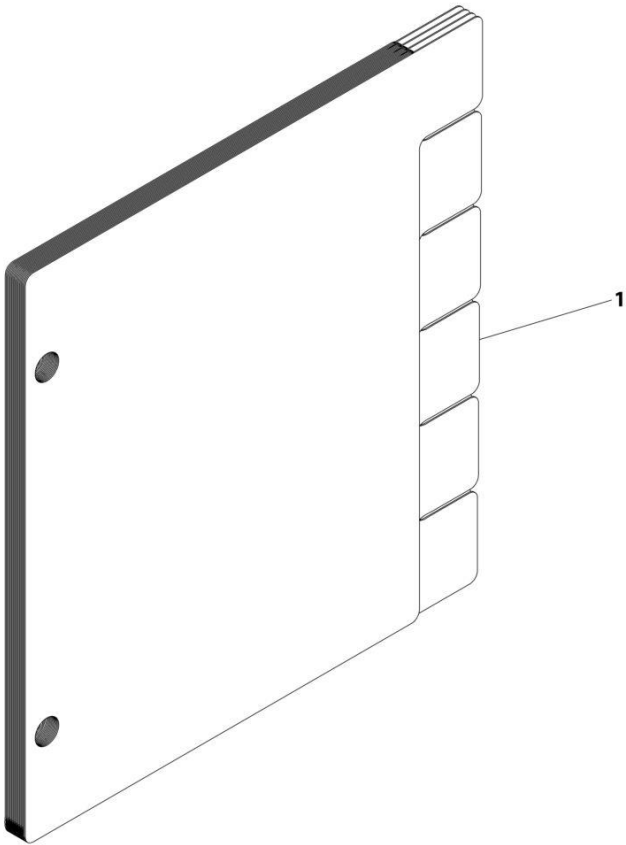
SECTION 11 - DECALS

FIGURE 11-5. REMOTE CONTROL BOOM (ANSI)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001271062	1	LOADCHARTS – REMOTE CONTROL BOOM (ANSI)	A

SECTION 11 - DECALS

FIGURE 11-6. LOADCHARTS – REMOTE CONTROL BOOM WITH LMIS (ANSI)



ART_1001271063

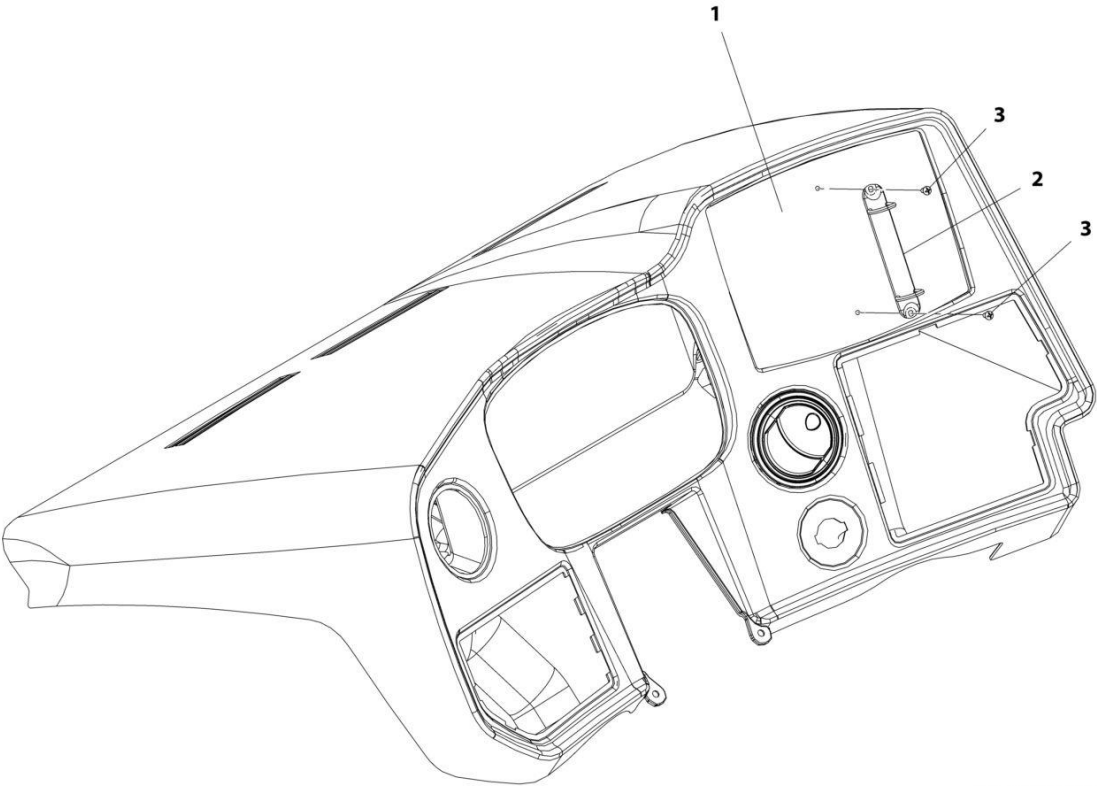
SECTION 11 - DECALS

FIGURE 11-6. LOADCHARTS – REMOTE CONTROL BOOM WITH LMIS (ANSI)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001271063	1	LOADCHARTS – REMOTE CONTROL BOOM WITH LMIS (ANSI)	

SECTION 11 - DECALS

FIGURE 11-7. CAPACITY CHART HOLDER INSTALLATION



ART_1001178706-A

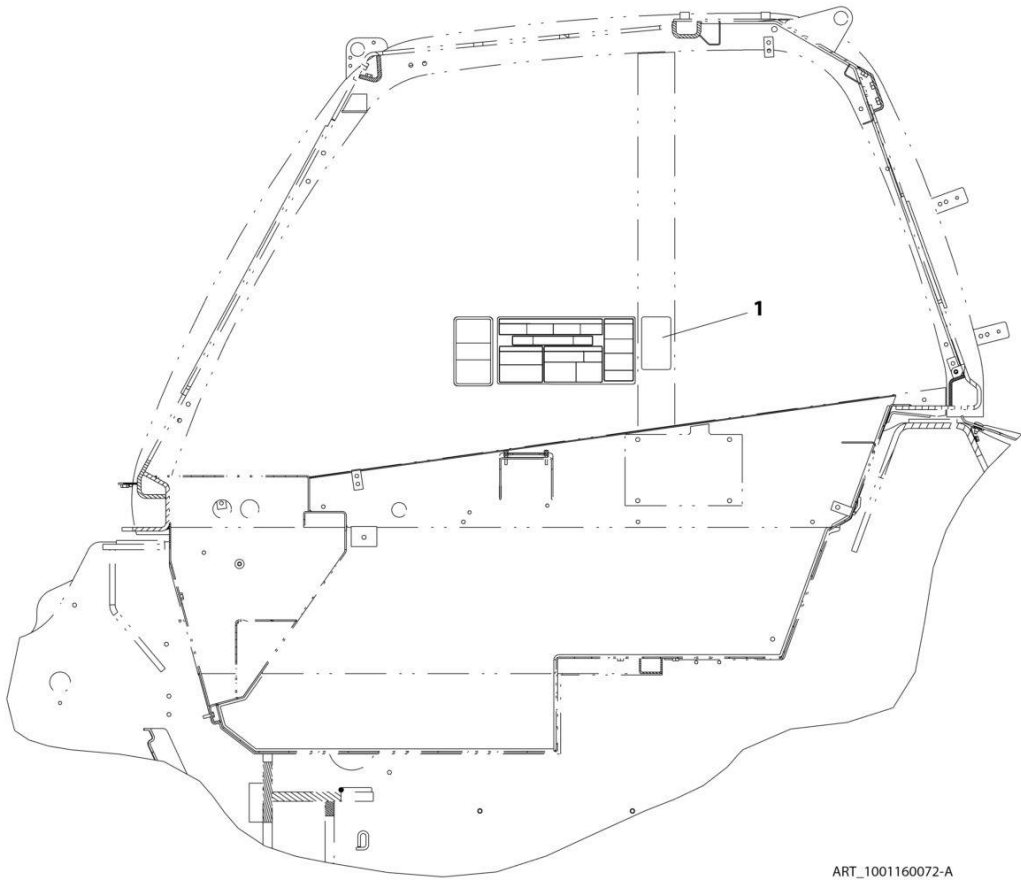
SECTION 11 - DECALS

FIGURE 11-7. 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 11-8. REVERSE SENSOR SYSTEM DECAL (ENGLISH)



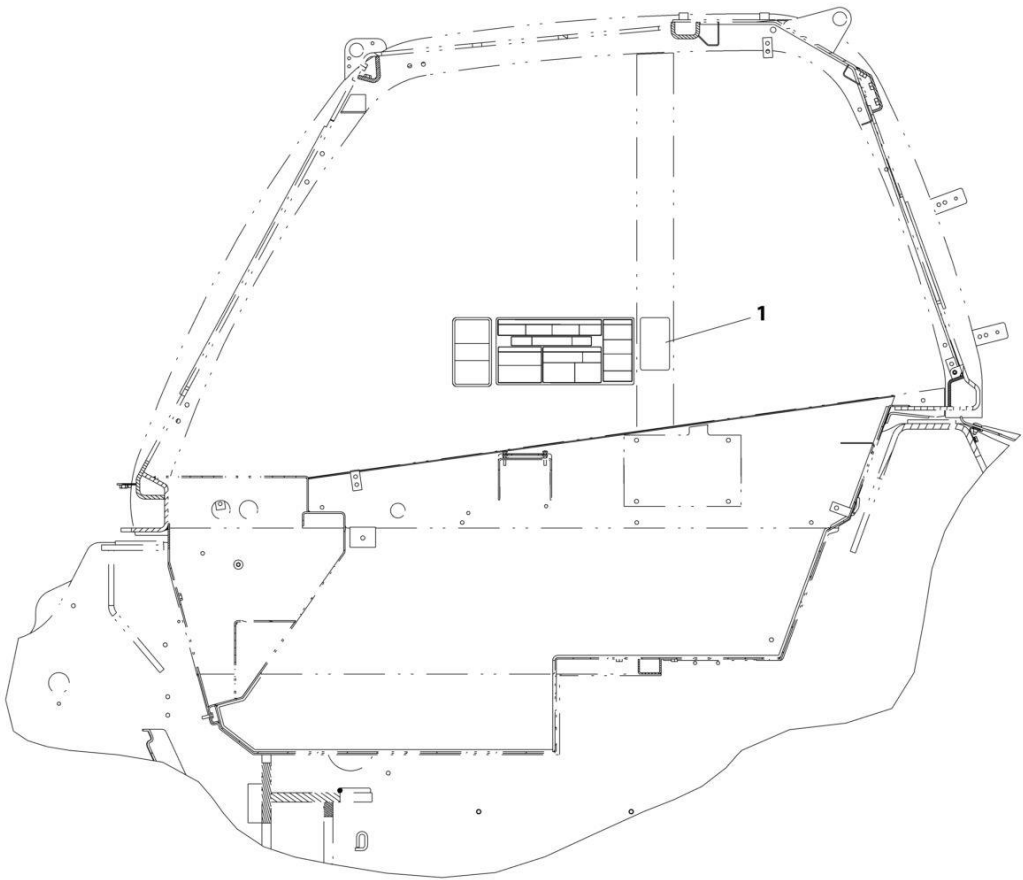
SECTION 11 - DECALS

FIGURE 11-8. REVERSE SENSOR SYSTEM DECAL (ENGLISH)

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

SECTION 11 - DECALS

FIGURE 11-9. REVERSE SENSING SYSTEM DECAL, (ENGLISH/FRENCH)



ART_1001160945-A

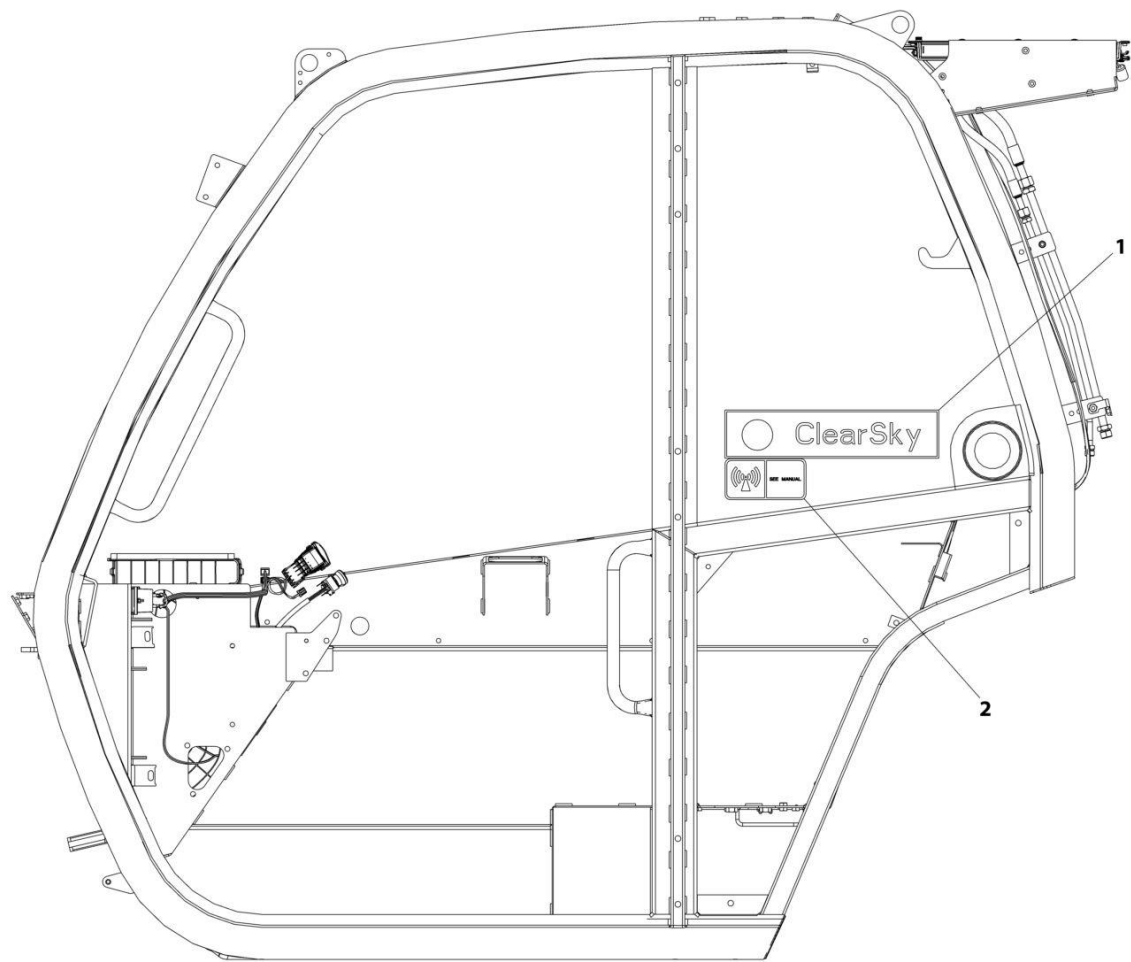
SECTION 11 - DECALS

FIGURE 11-9. REVERSE SENSING SYSTEM DECAL, (ENGLISH/FRENCH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001160945	1	Reverse Sensor System Decal (ENGLISH/FRENCH)	A

SECTION 11 - DECALS

FIGURE 11-10. CLEARSKY DECAL INSTALLATION



ART_1001229707

SECTION 11 - DECALS

FIGURE 11-10. 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 12 - RECOMMENDED SERVICE PARTS STOCK

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.	
		Ref	STANDARD PARTS	
	70002963	1	Coil	
	70020764	1	Coil	
	70020868	1	Coil	
	70021208	1	Coil	
	70022147	1	Coil	
	70026582	1	Coil	
	70028281	1	Coil	
	1001207923	1	Coil	
	1001177597	2	Diode, 6amp	
	1001228872	1	Filter	
	1001243844	1	Filter	
	70026248	1	Filter After Treatment Kit	
	1001187877	1	Filter, Breather	
	70025850	1	Filter, Cylindrical Air Primary	
	70025851	1	Filter, Cylindrical Air Secondary	
	70028450	1	Fuel Filter Assembly	
	8229242	2	Fuse, 5amp	
	8229243	2	Fuse, 7.5amp	
	80983191	2	Fuse, 10amp	
	8229244	2	Fuse, 15amp	
	8229247	2	Fuse, 25AMP	
	8229245	2	Fuse, 30AMP	
	70026295	2	Fuse, 35AMP	
	70026294	2	Fuse, 70AMP	
	70026297	2	Fuse, 80AMP	
	1001095336	2	Fuse, 150AMP	
	70026296	2	Fuse, 200AMP	
	8229235	2	Fuse	
	1001131177	2	Fuse	
	1001205172	1	Relay, 35amp	
	1001117308	1	Relay, 200 Amp	
	1001102502	1	Switch, 4 Position Key	
	1001104654	1	Switch, AUX Decomp	
	1001159746	1	Switch, Auxiliary Electric	
	4360658	1	Switch, Brake Light	
	1001159741	1	Switch, Constant AUX	
	1001192142	1	Switch, Disconnect	
	4360475	1	Switch, E-Stop	
	1001212470	1	Switch, Frame Level	
	1001163639	1	Switch, Light	
	1001159753	1	Switch, Park Brake	
	1001159735	1	Switch, Rear Wiper	

SECTION 12 - RECOMMENDED SERVICE PARTS STOCK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001159736	1	Switch, Roof Wiper	
	1001159849	1	Switch, Steer Mode	
	1001163695	1	Wiper-Turn Switch	
		Ref	VARIABLE PARTS	
	1001218529	1	Cable, HVAC (Heater & AC)	
	70029597	1	Coil, 12V (Drywall Carriage)	
	1001242098	1	Control, Fingertip Joystick	
	1001179901	1	Controller, LMIS Module	
	0272970	1	Footswitch Assembly	
	8229261	2	Fuse, 5amp (ClearSky Harness)	
	1001172551	1	HVAC Cab Actuator (Heater & AC)	
	1001222606	1	Joystick, 2R2B	
	2940074	1	Latch (Fork Mounted Basket)	
	1001197667	1	Lever, FNR (2 Speed)	
	1001226328	1	Module, 3W TCU (ClearSky)	
	1001249078	1	Module, Attachment Recognition	
	1001162249	1	Module, Cab	
	1001262322	1	Module, ClearSky Telematics CANBUS	
	1001162253	1	Module, Front Frame	
	1001162256	1	Module, Rear Frame	
	1001248024	1	Module, Transmission	
	1001255826	1	Platform, Console Box	
	70025351	1	Pressure Sensor (Cummins Engine)	
	3740080	1	Relay, Weather Proof (ASOV)	
	70030028	1	Sensor (Front & Rear Axle Steering)	
	70028383	1	Sensor, Angle (Brake Pedal)	
	1001247458	1	Sensor, Boom Angle	
	1001223903	1	Sensor, Boom Length	
	1001121955	1	Sensor, Coolant Level	
	1001188728	1	Sensor, HVAC Thermostat	
	1001162885	1	Sensor, Pressure (Rear Axle Stabilizer & Boom Damping)	
	1001147340	1	Sensor, Pressure Transducer (Frame Hydraulics)	
	1001243960	1	Sensor, Pressure Transducer (Hydrostatic Pump)	
	1001199043	1	Sensor, Pressure Transducer (Outrigger Cylinder)	
	1001183024	1	Sensor, Proximity	
	1001160730	1	Sensor, Rear Axle	
	1001247421	1	Sensor, Reverse	
	1001128478	1	Sensor, Temperature (Hydraulic Tank)	
	1001163095	1	Sensor, Tilt	
	1001256555	1	Sensor, Tilt Dual Axis	
	1001159738	1	Switch (Beacon)	
	1001255706	1	Switch (Cooling Package (ASOV))	
	1001080375	1	Switch (Hydraulic Coupler)	
	1001159745	1	Switch, Boom Ride (Ride Control)	
	1001159739	1	Switch, Boom Worklights	
	70025486	1	Switch, Contact (Standard Seat)	
	1001159737	1	Switch, Fog Lights (Roadlights)	
	1001159845	1	Switch, Front Worklights	
	1001159734	1	Switch, Hazard (Roadlights)	
	70024107	1	Switch, Heater (Air Suspension Premium Seat)	
	1001160326	1	Switch, HVAC On/Off (Heater & AC)	

SECTION 12 - RECOMMENDED SERVICE PARTS STOCK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001159925	1	Switch, HVAC Recycle (Heater & AC)	
	1001172547	1	Switch, HVAC Rotary 3 Speed (Heater & AC)	
	1001159742	1	Switch, LSI Override	
	1001159846	1	Switch, Rear Worklights	

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.	
		Ref	SPECIAL OPTIONS/ACCESSORIES/KITS	
	1001260872	Ref	ASOV Kit	
	1001260871	Ref	Boom Prop Kit	
	1001213286	Ref	Cab Display, JLG Kit	
	1001148902	1	Electrical Connector Kit - Amp/Tyco Electrical Connectors	
	1001148903	1	Electrical Connector Kit - Deutsch DT Electrical Connectors	
	1001148904	1	Electrical Connector Kit - Deutsch HD Electrical Connectors	
	1001148905	1	Electrical Connector Kit - Packard Electrical Connectors	
	1001148906	1	Electrical Connector Kit - Various Electrical Connectors	
	1001230409	Ref	External E-Stop Kit	
		Ref	Filter Kits:	
	1001264988	Ref	1000 Hours Filter Kit	
	1001264989	Ref	250 Hours Filter Kit	
	1001212845	Ref	Front Cab Guard Kit	
	1001285930	Ref	Outrigger Valve Replacement Kit (Includes 2 Counterbalance Valves)	
	1001230699	Ref	Radio Ready Kit	
	1001271527	Ref	Reverse Camera Kit	
	1001252304	Ref	Reverse Sensing Kit	
	1001199328	Ref	Roof Wiper Kit	
		Ref	Tools:	
	7002821	1	Crimper	
	7002823	1	Extractor	
	8896941	1	Wire Stripper	
	7004275	1	Seal Tool 1" (For Cylinders)	
	7004276	1	Seal Tool 1-1/2" (For Cylinders)	
	7002826	1	Seal Tool 2" (For Cylinders)	
	1001199380	Ref	Top Cab Guard Kit	
	1001199382	Ref	Top & Front Cab Guard Kit	

PART NUMBER INDEX

SECTION 13 - SPECIAL OPTIONS/ACCESSORIES/KITS

0009037416.....651	0711221.....61	0772020.....357	1001095650.....501, 503, 521
0100011.....121, 123, 125	0711228.....45	0781208.....85	1001095804.....745
01043892.....281	0711230.....53	0791605.....251	1001095810.....105
0272970.....913	0711626.....209	0860520.....105	1001096019.....103
0400075.....703	0711629.....209	1001001568.....595	1001096020.....103
0440296.....65	0711630.....209	1001002946.....377	1001096024.....103
0440321.....85	0711632.....89	1001002947.....377	1001096365.....377
0498748.....371	0712029.....363	1001002953.....377	1001097051.....765
0630615.....715	0712442.....573, 597	1001002957.....377	1001097110.....171
0641405.....105	0741610....121, 123, 125	1001003043.....385	1001097202.....349
0641510.....191	0760304.....755	1001003301.....33	1001097205.....161
0641608.....561	0760405...109, 111, 113, 115, 117, 121, 123, 125, 127, 193, 199	1001004640.....521	1001097244.....473
0641612.....121, 123, 125	0760507.....401, 767	1001005368.....387	1001097412.....59
0642032....113, 115, 117, 121, 123, 125	0760512.....395	1001005960.....903	1001097540.....25, 491
0681810....121, 123, 125	0760605...273, 371, 513, 517	1001006730.....489	1001097586.....385
0700408.....519, 863	0760607.....25, 371, 789	1001006731.....487	1001097587.....309, 331
0700605.....31	0760608....27, 269, 275, 349, 395, 399, 473, 481, 513, 517, 521, 697, 699, 771	1001007056.....635	1001098150.....466
070061025, 67, 224, 473, 477, 761, 763, 819, 821	0760610.....563, 847	1001008540.....771	1001098762.....707
0700612.....785, 841	0760612.....99	100100855945, 224, 235, 271, 277, 563, 727, 767, 773, 783, 789, 805, 849, 857, 869, 873	1001098769.....93
0700614.....191, 440	0760615.....761, 857	1001008742.....395	1001098828.....59
0700616.....815	0760615.....637	1001008857.....377	1001099113.....121, 123, 125
0700617.....33, 715	0760807.....637	1001008988.....371	1001099115.....121, 123, 125
0700618.....727, 783	0760808...275, 391, 475, 477, 599, 697, 699, 709, 837, 857	1001009163.....33	1001099351.....195
0700810.....267	0760810...19, 21, 23, 27, 41, 47, 63, 65, 67, 243, 245, 393, 417, 421, 425, 433, 437, 440, 475, 493, 497, 513, 773	1001010646.....487, 489	1001099457.....169
0700812.....39, 285, 559	076081265, 67, 215, 243, 245, 353, 355, 377, 543, 563, 567, 785	1001010647.....487, 489	1001099699.....401
0700814.....31, 261	0760814....243, 245, 571	1001010648.....487, 489	1001099901.....199
0700817....251, 543, 605	0760815.....377	1001010649.....487, 489	1001099902.....193
0700818....555, 717, 785	0760816.....563	1001010650.....487, 489	1001100265.....109
0700819.....801	0760823.....31, 237	1001014224.....569	1001100266.....111
0700820....493, 495, 497, 785	0761008.....235	1001014233.....39	1001100319.....267
0700821.....285, 545	0761009.....99, 721	1001025749.....275	1001100379.....579
0700824.....521	0761010...19, 21, 23, 27, 215, 545, 771, 785, 789, 849	1001025750.....283	1001100822.....109
0700826.....269	0761011.....577	1001028291.....49	1001100823.....111
0700827.....277	0761012...19, 25, 27, 229, 521, 543, 551, 555, 569, 763	1001028308.....49	1001100967.....197
0701010.....267	0761014.....21, 825	1001028377.....49	1001101808.....697
0701011.....99, 863	0761015.....869	1001028400.....49	1001101855.....717
0701012.....273	0761015001.....411	1001047062.....371	1001101867.....65
0701014....259, 265, 269, 273	0761210....95, 243, 245	1001080375.....551, 913	1001102157.....43
0701016....27, 215, 549, 551, 825, 869	0761212.....551, 773	1001080996.....83, 551	1001102502.....745, 912
0701017.....583	0761214...31, 83, 91, 275, 285	1001090063....121, 123, 125	1001103012.....730
0701018....215, 599, 857	0761215....243, 245, 837	1001090064....121, 123, 125	1001103182.....127, 645
0701020.31, 35, 243, 245	0761218....95, 243, 245	1001090140....121, 123, 125	1001103564.....735
0701026.....283	0761615.....45	1001090343....395, 413, 459	1001104029.....543
0701027.....263	0770814.....515	1001091102.....869	1001104477.....595, 669
0701028.....573	0771210.....63, 65, 67	1001091715.....825	1001104498.....723, 730
0701215.....221	0771212.....61, 67	1001091716.....825	1001104519.....731, 747, 751
0701216.....209, 221	0771414.....293, 625	1001091951.....53	1001104654.....745, 912
0701220.....209	0771619.....17	1001092481.....101	1001104979.....545
0701224.....65		1001092482.....101	1001105093.....761
0701227.....209		1001093171.....161	1001105441.....87
0711014.....61		1001093277.....587	1001105886.....809
0711015.....31, 33		1001093564.....707	1001107192.....371
0711016.....65		1001094134.....187	1001107854.....723, 743, 797
0711028.....597		1001094136.....187	1001109053.....890, 894
0711214.....65		1001094516.....293	1001110544.....755
0711215.....61		1001095336.....787, 912	1001110704.....127, 131
0711216....63, 65, 67, 227		1001095418.....127	1001111076.....481
0711217.....61, 63, 65			1001111147.....481
0711218.....59, 63			1001111190.....127
0711219.....61, 63			1001111317.....369, 373
0711220.....61			1001112612.....734, 778

SECTION 13 - SPECIAL OPTIONS/ACCESSORIES/KITS

1001112796..... 883	1001120915..... 121, 123, 125	1001144802..... 253	1001160042..... 440
1001114495..... 255, 257	1001120989..... 909	1001145539..... 440	1001160043..... 437
1001114803..... 243, 245	1001121726..... 797	1001146160..... 203	1001160072..... 905
1001116128..... 463, 849	1001121727..... 725, 799	1001146588..... 277, 727, 783, 789, 831	1001160116..... 209
1001116696..... 827	1001121955..... 251, 913	1001146949..... 537	1001160326..... 440, 913
1001116697..... 730	10011223457..... 730	1001147340..... 571, 913	1001160496..... 493
1001116698..... 730	1001125027..... 778	1001147449..... 466, 469	1001160498..... 731
1001116700..... 731, 757	1001125085..... 777	1001147923..... 791, 792, 799, 803	1001160499..... 791, 793, 797
1001116716..... 731	1001125089..... 777	1001148106..... 777, 798	1001160500..... 839
1001116723..... 731, 732, 733	1001125117..... 59, 61, 63, 65, 67, 95, 551, 837	1001148902..... 916	1001160502..... 730
1001116725..... 778	1001125465..... 849	1001148903..... 916	1001160503..... 493, 497
1001116727..... 725, 797, 799	1001125642..... 563	1001148904..... 916	1001160506..... 495
1001116728..... 817, 853	1001125677..... 732, 779, 793, 799	1001148905..... 916	1001160508..... 365, 391
1001116731..... 875	1001126008..... 731, 734, 781, 792, 853	1001148906..... 916	1001160509..... 795, 797, 839
1001116732..... 792	1001126011..... 734, 778	1001149278..... 466, 469	1001160510..... 795, 797, 839
1001116745..... 725	1001126391..... 775	1001150294..... 421, 423	1001160730..... 913
1001116747..... 743	1001126483..... 777	1001150610..... 713, 719, 778, 853	1001160775..... 887
1001116748..... 733	1001126485..... 777	1001150611..... 713, 719, 778, 792	1001160927..... 703, 707
1001116754..... 732	1001126487..... 778	1001150735..... 733	1001160928..... 703, 707
1001116763..... 743, 797	1001126837..... 847	1001150737..... 733	1001160945..... 907
1001116774..... 792	1001128127..... 795	1001152729..... 555, 563, 569	1001161067..... 471
1001116808..... 792	1001128128..... 792	1001152915..... 369	1001161097..... 730, 731, 791, 793, 797, 839
1001116810..... 713, 792	1001128144..... 251	1001152947..... 369	1001161098..... 730, 731, 793
1001116811..... 778	1001128341..... 251	1001153612..... 778	1001161099..... 730, 731, 791, 793, 797, 839
1001116812..... 732, 733, 734, 775, 778, 792, 798, 839, 875	1001128478..... 33, 913	1001153748..... 613, 681	1001161100..... 730, 731, 791, 793, 797, 839
1001116815..... 735, 753, 775	1001128890..... 203	1001154688..... 21	1001161101..... 730, 731, 791, 793, 797, 839
1001116950..... 791	1001129407..... 879	1001155228..... 367, 371	1001161252..... 466
1001116984..... 734	1001130220..... 25	1001155447..... 365, 393	1001161253..... 466
1001116985..... 734	1001130323..... 890, 894	1001155486..... 459	1001161499..... 365, 509
1001116986..... 733, 735	1001130962..... 753	1001155540..... 215, 243, 245	1001161564..... 45
1001116991..... 731, 734, 813	1001131177..... 783, 912	1001156265..... 521	1001161672..... 521
1001116995..... 733	1001131271..... 890, 894	1001156663..... 277	1001161769..... 727, 737
1001116996..... 827	1001132169..... 793	1001157890..... 769	1001161770..... 727, 739
1001116997..... 733	1001132170..... 793	1001157972..... 579, 671	1001161771..... 727, 741
1001116998..... 734	1001132564..... 466	1001158146..... 745	1001161851..... 469
1001116999..... 731, 813	1001133072..... 123, 125	1001158596..... 425	1001161855..... 466
1001117011..... 733, 757	1001136975..... 224	1001158601..... 421	1001161858..... 437, 449
1001117021..... 743	1001136999..... 734	1001158736C..... 433	1001161896..... 521
1001117079..... 734	1001137000..... 734	1001158738C..... 421	1001161897..... 521
1001117081..... 731, 732, 733	1001137512..... 189	1001159028..... 509, 511	1001161898..... 521
1001117121..... 747, 751	1001137578..... 775	1001159734..... 825, 913	1001161920..... 255, 257
1001117247..... 831, 833	1001138348..... 259	1001159735..... 745, 912	1001161957..... 839
1001117308..... 771, 912	1001139551..... 459	1001159736..... 459, 913	1001161958..... 791, 792, 797
1001118282..... 792	1001139552..... 413	1001159737..... 825, 913	1001161959..... 730
1001118323..... 792	1001139568..... 387	1001159738..... 709, 711, 913	1001161963..... 839
1001118379..... 733	1001139578..... 890	1001159739..... 815, 913	1001161964..... 791, 793, 797
1001118383..... 747, 751	1001141246..... 377	1001159741..... 745, 912	1001162212..... 235
1001118384..... 731, 732, 733, 734, 735	1001141281..... 393	1001159742..... 845, 914	1001162249..... 727, 913
1001118386..... 734	1001141311..... 459	1001159745..... 805, 913	1001162253..... 785, 913
1001118387..... 734	1001141312..... 413	1001159746..... 745, 912	1001162256..... 801, 913
1001118392..... 827	1001141313..... 459	1001159753..... 745, 912	1001162469..... 59, 61, 63
10011184495..... 871	1001141400..... 224	1001159845..... 819, 821, 913	1001162789..... 365, 395
1001118684..... 732	1001141461..... 581	1001159849..... 745, 913	1001162880..... 567, 661
1001118685..... 747, 751	1001141462..... 581	1001159881..... 273	1001162885..... 637, 717, 913
1001119467..... 421	1001141976..... 561, 581	1001159882..... 273	1001162886..... 731
1001120163..... 633, 635	1001142942..... 563	1001159925..... 437, 440, 914	1001162887..... 731
1001120914..... 121, 123, 125	1001143200..... 389		
	1001143692..... 87		
	1001144147..... 753, 779, 793, 875		
	1001144296..... 732		
	1001144629J..... 105		

SECTION 13 - SPECIAL OPTIONS/ACCESSORIES/KITS

1001162920.....	513	1001165407.....	395	1001169603.....	466	1001173965.....	466
1001162922.....	513	1001165416.....	395	1001169604.....	466, 469	1001174295.....	371, 383
1001162953.....	440, 443	1001165455.....	395	1001169674.....	887	1001174320.....	369
1001163029.....	65, 67	1001165458.....	395, 473	1001169751.....	527	1001174321.....	377
1001163034.....	67	1001165483.....	71, 77	1001169763.....	531	1001174356.....	243, 245
1001163095.....	841, 913	1001165486.....	69, 75	1001169825.....	781	1001174478.....	45, 755
1001163103.....	59, 63, 65	1001165487.....	69	1001169880.....	373	1001174628.....	67
1001163104.....	61, 63	1001165493.....	75	1001169883.....	375	1001174652.....	469
1001163105.....	67	1001165573.....	425, 427	1001169885.....	375	1001174653.....	469
1001163108.....	63	1001165590.....	71, 73, 77	1001170113J.....	373, 375	1001174655.....	469
1001163112.....	59, 61	1001165637.....	393	1001170114.....	371, 373	1001174712.....	745
1001163114.....	61, 63	1001165739.....	73	1001170231.....	513	1001174741.....	477
1001163174.....	894	1001165827.....	699	1001170325.....	491	1001174795.....	239
1001163209.....	65	1001166091.....	455, 457	1001170326.....	403	1001174796.....	709
1001163210.....	894	1001166092.....	455, 457	1001170366.....	365, 399	1001174800.....	477
1001163212.....	894	1001166163.....	79	1001170504.....	466	1001174801.....	477
1001163222.....	894	1001166235.....	79	1001170514.....	471	1001174984.....	625, 627
1001163223.....	894	1001166385.....	481	1001170515.....	409, 417	1001174987.....	575, 623
1001163285.....	894	1001166416.....	259	1001170518.....	466	1001175201.....	237
1001163300.....	894	1001166451.....	213	1001170519.....	466, 471	1001175267.....	795, 797, 839
1001163304.....	894	1001166565.....	215, 217	1001170601J.....	371	1001175347.....	49
1001163323.....	894	1001166634.....	373, 377	1001170944.....	377	1001175470.....	403
1001163340.....	731	1001166703.....	775	1001170993.....	405	1001175471.....	399, 405
1001163355.....	894	1001166704.....	775, 778	1001171001.....	65	1001175477.....	371
1001163414.....	121, 123, 125, 643	1001167015.....	461, 463	1001171037.....	375	1001175733.....	867
1001163637.....	251	1001167017.....	863	1001171179.....	31, 35	1001175776.....	865, 867
1001163639.....	749, 912	1001167027.....	61	1001171182.....	387	1001175903.....	466
1001163695.....	913	1001167266.....	443, 445	1001171183.....	387	1001176002.....	775
1001163841.....	71, 73, 77	1001167493.....	65	1001171450.....	67	1001176004.....	775
1001163842.....	69, 75	1001167528.....	775, 778	1001171635.....	375	1001176121.....	399, 403
1001164039.....	69, 71, 73, 75, 77	1001167616.....	778	1001171756.....	395	1001176272.....	389
1001164402.....	785, 787	1001167620.....	775	1001171764.....	81, 87	1001176273.....	389
1001164498.....	417	1001167624.....	775	1001171767.....	405	1001176333.....	734
1001164567.....	87	1001167634.....	777	1001171808.....	93, 857	1001176338.....	415
1001164615.....	417	1001167641.....	777	1001171874.....	513	1001176411.....	563
1001164655.....	391	1001167646.....	783	1001171962.....	863	1001176515.....	201
1001164700.....	661	1001167648.....	777	1001172035.....	890, 894	1001176626.....	389
1001164726.....	371	1001167649.....	777	1001172075.....	85	1001176806.....	95
1001164860.....	85	1001167650.....	777	1001172077.....	85	1001176935.....	775, 778
1001164870.....	551	1001167656.....	778	1001172078.....	85	1001176945.....	273
1001164871.....	89	1001167657.....	778	1001172088.....	513	1001177047.....	573, 597
1001164881.....	91	1001167762.....	81, 83, 91	1001172094.....	513	1001177597.....	732, 912
1001164884.....	81, 83	1001167937.....	381	1001172134.....	83, 85	1001178123.....	395
1001164885.....	81, 83	1001167958.....	371, 381	1001172146.....	31, 35	1001178159.....	369
1001164948.....	549, 551	1001168030.....	243, 245	1001172147.....	31, 35	1001178160.....	369
1001164967.....	239	1001168054.....	513	1001172193.....	369, 373	1001178170.....	440
1001165171.....	59, 63, 65, 67	1001168142.....	521	1001172401.....	365, 407	1001178670.....	521, 679
1001165172.....	59, 61, 63, 65, 67	1001168151.....	521	1001172495.....	707	1001178680.....	387
1001165173.....	63, 65	1001168264.....	353, 355	1001172496.....	707	1001178681.....	387
1001165175.....	61, 63	1001168286.....	63	1001172547.....	437, 440, 914	1001178706.....	903
1001165194.....	775	1001168327.....	440	1001172550.....	437, 440	1001178776.....	585
1001165269.....	395, 397	1001168330.....	440	1001172551.....	449, 451, 453, 913	1001178783.....	415
1001165270.....	395	1001168331.....	440	1001172553.....	437, 440	1001178791.....	237
1001165273.....	397	1001168456.....	440	1001172693.....	37	1001178826.....	499
1001165275.....	377	1001168531.....	433, 757	1001172755.....	224	1001178933.....	727
1001165276.....	373	1001168567.....	65	1001172774.....	497	1001179008.....	499
1001165309.....	792	1001168589.....	65	1001172953.....	253	1001179009.....	499
1001165310.....	795	1001168771.....	213	1001172994.....	95	1001179080.....	443
1001165311.....	798	1001169135.....	433, 435	1001172995.....	95	1001179081.....	443
1001165327.....	397	1001169151.....	440, 743	1001173257.....	495	1001179130.....	443, 447
1001165351.....	395	1001169268.....	531	1001173298.....	371	1001179297.....	903
1001165367.....	59, 61, 63, 65, 67	1001169354.....	527, 529	1001173344.....	207, 287	1001179482.....	481
		1001169355.....	529	1001173411.....	731	1001179483.....	481
		1001169367.....	529	1001173538.....	56	1001179484.....	501
		1001169373.....	79	1001173739.....	95	1001179592.....	491
		1001169379.....	79			1001179901.....	717, 913
		1001169454.....	31				

SECTION 13 - SPECIAL OPTIONS/ACCESSORIES/KITS

1001180263 495, 497	1001187080..... 793, 798, 839	1001191959..... 505	1001195972 349
1001180306 49	1001187335..... 349	1001192142..... 771, 912	1001196076 417
1001180542 253	1001187423..... 359	1001192170..... 359	1001196100 825
1001180553 253	1001187785..... 79	1001192180..... 359	1001196235 59
1001180682 415	1001187877..... 33, 912	1001192181..... 359	1001196289 881, 883
1001180683 415	1001188048..... 349	1001192240..... 501	1001196806 890, 894
1001181128 771	1001188126..... 563	1001192309..... 371	1001197027 417, 419
1001181411 387	1001188303..... 440, 451	1001192364..... 93	1001197072 209
1001181531 745	1001188372..... 890, 894	1001192410..... 521	1001197139 513
1001181537 890, 894	1001188577..... 455, 457	1001192643..... 379	1001197217 483
1001181625 253	1001188578..... 455, 457	1001192644..... 381	1001197218 483
1001181726 466, 473	1001188590..... 437, 440	1001192646..... 371	1001197219 483
1001181920 389	1001188592..... 457	1001192711..... 191	1001197259 483, 485
1001181921 389	1001188594..... 455, 457	1001192720..... 191	1001197667 913
1001181961 703	1001188602..... 455, 457	1001192737..... 513	1001197955 17
1001182094 221	1001188603..... 455, 457	1001192766..... 371, 379	1001198355 191
1001182123 389	1001188604..... 455, 457	1001192771..... 553	1001198893 711
1001182139 389	1001188610..... 455, 457	1001192772..... 553	1001199043 629, 631, 913
1001182330 475	1001188612..... 455, 457	1001192875..... 191	1001199328 916
1001182529 433, 435	1001188614..... 455, 457	1001192876..... 191	1001199380 916
1001182530 433	1001188618..... 457	1001192877..... 191	1001199382 916
1001182671 537	1001188619..... 457	1001193026..... 277	1001199670 269
1001182839 847	1001188720..... 455, 457	1001193210..... 373	1001200498 243, 245
1001183024 721, 913	1001188725..... 455, 457	1001193516..... 541, 611	1001200499 243, 245
1001183177 215	1001188728..... 457, 913	1001193540..... 191	1001200538 819
1001183550 471	1001188729..... 455, 457	1001193729..... 191	1001200539 821
1001183597 503	1001188733..... 455, 457	1001193887..... 47	1001200553 719
1001183831 215	1001188757..... 209	1001193993..... 771	1001200631 245
1001184172 717	1001188817..... 457	1001194282..... 521	1001200910 857
1001184275 455, 457	1001188818..... 457	1001194421..... 732, 733, 734	1001200968 463
1001184278 455, 457	1001188880..... 233, 561	1001194698..... 365	1001200989 ... 59, 61, 63, 65, 67
1001184280 457	1001189023..... 457	1001194699..... 365, 367	1001201150 293, 295
1001184294 455, 457	1001189024..... 457	1001194700..... 367, 369	1001201162 881
1001184295 455, 457	1001189025..... 455, 457	1001194969..... 21	1001201198 695, 785
1001184296 455, 457	1001189048..... 457	1001194980..... 39	1001201199 695, 771
1001184297 455, 457	1001189054..... 457	1001194981..... 39	1001201200 695, 789
1001184306 453	1001189182..... 466	1001195342..... 445	1001201202 789, 791
1001184307 453	1001189224..... 549, 551	1001195343..... 445	1001201331 395
1001184309 453	1001189288J..... 359	1001195345..... 445	1001201499 517
1001184310 453	1001189299..... 551	1001195346..... 445	1001201500 519
1001184403 447	1001189308..... 551	1001195385..... 445	1001201501 517, 519
1001184404 447	1001189605..... 549	1001195386..... 445	1001201597 829, 841
1001184405 447	1001189606..... 551	1001195437..... 445	1001201598 829, 843
1001184406 447	1001189663..... 551, 595	1001195438..... 445	1001201599 717, 839
1001184427 457	1001189714..... 63	1001195582..... 707, 759	1001201600 835, 843
1001184439 371	1001189793..... 65, 67	1001195587..... 23	1001201601 841, 855
1001184473 813	1001189877..... 797, 803	1001195591..... 829, 831	1001201885 734
1001184491 871	1001189888..... 649	1001195689..... 792	1001202020 553
1001184493 871	1001189980..... 453	1001195721..... 767	1001202247 259
1001184496 871	1001190631..... 607	1001195781..... 777	1001202498 807
1001184551 803	1001190921..... 778	1001195782..... 777	1001202519 881
1001184632 890, 894	1001191091..... 383	1001195814..... 367, 389	1001202526 235, 267
1001184835 783, 871	1001191157..... 33	1001195816..... 466	1001202617 881
1001184975 466	1001191229..... 890, 894	1001195817..... 466	1001202621 863
1001185633 475	1001191281..... 473, 501	1001195818..... 466	1001202622 863
1001185870 466	1001191282..... 501	1001195820..... 461	1001202730 99
1001186342 224	1001191283..... 473, 503	1001195821..... 463	1001202786 353, 355
1001187070 778	1001191284..... 473, 505	1001195822..... 461	1001202986 45, 235, 271, 773, 789, 807, 869
1001187073 793	1001191285..... 473	1001195823..... 463	1001203005 229
1001187075 792, 795, 839	1001191310..... 503	1001195849..... 890	1001203503 191
1001187076 792, 795	1001191311..... 505	1001195851..... 894	1001203557 703
1001187077 775, 875	1001191312..... 505	1001195855..... 890, 894	1001203558 703
1001187078 769, 827, 851	1001191313..... 505	1001195878..... 369	1001203640 815, 819, 821
1001187079 778, 792, 793	1001191370..... 473	1001195883..... 709	
	1001191503..... 85	1001195923..... 211	
	1001191505..... 85	1001195970..... 107	

SECTION 13 - SPECIAL OPTIONS/ACCESSORIES/KITS

1001203793.....233, 663	1001208905.....697	1001217930.....229	1001227186.....369
1001203796.....291, 293	1001208906.....865	1001218529.....437, 440,	1001227187.....373
1001203797.....357	1001208907.....863	913	1001227188.....373
1001203798.....291, 299	1001208908.....863	1001218542.....437, 440	1001227266.....879
1001203799.....291	1001209194.....857	1001218659.....890	1001227287.....890, 894
1001203804.....357, 651	1001209358.....711	1001218704.....890	1001227379.....179
1001203805.....301	1001209463.....481	1001218996.....437, 440	1001227382.....183
1001203806.....303	1001209625.....894	1001219211.....894	1001227670.....109, 111,
1001204045.....67	1001209690.....825	1001219212.....890, 894	113, 115, 117, 119,
1001204060.....821	1001209691.....825	1001219220.....389	121, 123, 125, 127,
1001204066.....377	1001209697.....825	1001219765.....553, 603	132, 137, 153, 159,
1001204115.....377	1001209899.....389	1001219863.....466	193, 197, 199, 201
1001204120.....377	1001210281.....307	1001219864.....466	1001227802.....371
1001204152.....555	1001210282.....555	1001219865.....466	1001227945.....521
1001204528.....819	1001210340.....551	1001219905.....53	1001227964.....245
1001204530.....819	1001210390.....85, 635	1001219953.....53	1001228132.....455, 457
1001204709.....499	1001210567.....721	1001220329.....365, 413	1001228140.....455, 457
1001205061.....513, 517	1001210769.....307, 329	1001220338.....385, 387	1001228141.....455, 457
1001205066.....363	1001210770.....785, 801	1001220339.....367, 385	1001228147.....455, 457
1001205080.....23	1001210775.....549, 551	1001220379.....803	1001228643.....245
1001205172.....778, 912	1001210780.....557	1001220507.....525	1001228860.....47
1001205203.....29	1001210801.....557	1001220859.....767	1001228872.....235, 912
1001205205.....31	1001211041.....479	1001220861.....767	1001228989.....819, 821
1001205532.....371, 377	1001211139.....127	1001221052.....449, 455	1001229107.....877
1001205627.....95	1001211445.....703, 705	1001221054.....451, 457	1001229543.....371
1001205726.....573	1001211503.....281	1001221056.....449, 451,	1001229707.....909
1001205727.....573, 575	1001211516.....117	813	1001230163.....383
1001205756.....571	1001211693.....727	1001221057.....455, 457	1001230239.....203
1001205881.....553	1001211775.....861, 875	1001221058.....455, 457	1001230241.....203
1001205882.....541	1001211884.....281	1001221059.....437, 440	1001230310.....890
1001205883.....591	1001211907.....466	1001221295.....437, 440	1001230311.....894
1001205890.....625	1001212011.....383	1001221318.....847	1001230409.....916
1001206100.....825	1001212369.....393	1001221319.....847	1001230419.....239
1001206112.....857	1001212418.....611, 613	1001222188.....37	1001230421.....237, 239
1001206349.....207, 231	1001212468.....473	1001222190.....37	1001230699.....916
1001206837.....701	1001212470.....745, 912	1001222606.....533, 913	1001230765.....135, 137,
1001206850.....31	1001212845.....916	1001222741.....377	139, 141, 143, 145,
1001206875.....31	1001212921.....569	1001223265.....466	147, 149, 151
1001206876.....31	1001213210.....269, 657	1001223453.....890, 894	1001230931.....733
1001207167.....351	1001213237.....287	1001223455.....731, 732,	1001231389.....215
1001207171.....769, 777	1001213265.....513, 515	733, 734	1001231390.....215
1001207173.....792, 861	1001213286.....916	1001223456.....730	1001231393.....557
1001207217.....890	1001213331.....377	1001223457.....730, 731	1001231397.....769, 861,
1001207594.....845, 847	1001213752.....847	1001223459.....775	875
1001207606.....159	1001213791.....371	1001223628.....259	1001231398.....769, 861
1001207627.....47	1001213988.....727	1001223903.....837, 913	1001231399.....875
1001207689.....41	1001214092.....393	1001223968.....745, 747	1001231400.....769, 861
1001207854.....363	1001214220.....513	1001224127.....837	1001231401.....769
1001207858.....597	1001214401.....847	1001224128.....837	1001231402.....769
1001207860.....695	1001214653.....623	1001224598.....307	1001231404.....769, 861,
1001207863.....759	1001214829.....553	1001224938.....329	875
1001207898.....305, 307	1001215121.....749	1001224945.....603, 665	1001231406.....769, 861
1001207899.....327, 329	1001215319.....239, 241	1001224946.....585	1001231692.....203
1001207923.....639, 912	1001215531.....377	1001225317.....351	1001231801.....890
1001207943.....29, 31	1001216263.....477	1001225656.....557	1001232288.....771, 781
1001207944.....31, 33	1001216265.....475	1001225980.....801	1001232355.....181
1001207945.....33	1001216267.....477	1001226328.....877, 913	1001232500.....203
1001207947.....39	1001216269.....477	1001226400.....879	1001232801.....53
1001208026.....31	1001216270.....475	1001226481.....466	1001233383.....121
1001208028.....35, 37	1001216757.....533	1001226557.....545	1001233384.....123
1001208029.....37	1001216803.....533	1001226636.....875	1001233385.....125
1001208031.....39	1001216813.....215	1001226637.....875	1001233558.....894
1001208192.....479	1001216974.....421, 425,	1001226681.....237	1001234127.....607, 677
1001208308.....466	433	1001227066.....877, 879	1001234395.....99
1001208674.....31	1001217226.....625	1001227068.....879	1001236131.....19, 21
1001208676.....31	1001217320.....767	1001227077.....245	1001236412.....207, 211
1001208904.....697, 699	1001217467.....221	1001227133.....466	1001236528.....265

SECTION 13 - SPECIAL OPTIONS/ACCESSORIES/KITS

1001236529.....	275	1001238627.....	131	1001241705.....	271	1001243960.....	229, 913
1001236530.....	273	1001238640.....	647, 649	1001241902.....	63	1001243961.....	243, 245
1001236556.....	265	1001238653.....	101	1001242098.....	755, 913	1001243978.....	243
1001236557.....	265	1001238655.....	103	1001242105.....	53	1001243979.....	265
1001236674.....	695, 773	1001238730.....	617, 619	1001242109.....	773	1001243980.....	267
1001237114.....	53, 56	1001238733.....	637, 639	1001242340.....	221	1001243981.....	277
1001237170.....	263	1001238755.....	275	1001242579.....	61	1001243982.....	277, 279
1001237181.....	265	1001238807.....	629, 631	1001242580.....	61	1001244031.....	291, 305
1001237212.....	730	1001238820.....	209	1001242634.....	585, 673	1001244032.....	291, 327
1001237246.....	59	1001238821.....	209	1001242635.....	229, 659	1001244035.....	299, 301
1001237247.....	61	1001238827.....	45, 629	1001242644.....	119	1001244036.....	299, 303
1001237248.....	63	1001238912.....	17	1001242651.....	583, 585	1001244037.....	207, 209
1001237249.....	65	1001239059.....	789	1001242677.....	56, 647	1001244039.....	207, 213
1001237250.....	67	1001239060.....	789	1001242678.....	56, 617	1001244040.....	207, 215
1001237387.....	59, 69	1001239061.....	773	1001242685.....	253	1001244041.....	207, 224
1001237389.....	61, 71	1001239062.....	773	1001242686.....	605, 607	1001244043.....	207, 235
1001237390.....	71	1001239070.....	237, 265	1001242689.....	19	1001244046.....	207, 285
1001237391.....	63, 73	1001239125.....	773	1001242690.....	21	1001244048.....	257, 259
1001237392.....	73	1001239126.....	773	1001242692.....	21	1001244049.....	207, 227
1001237393.....	63, 75	1001239127.....	773	1001242719.....	21	1001244050.....	207, 221
1001237394.....	69, 75	1001239128.....	789	1001242721.....	21	1001244051.....	243, 245, 251
1001237395.....	65, 77	1001239149.....	237	1001242723.....	21	1001244052.....	243, 245, 253
1001237396.....	77	1001239165.....	237	1001242725.....	21	1001244053.....	243, 255
1001237397.....	67, 79	1001239185.....	789	1001242734.....	275	1001244057.....	263
1001237398.....	79	1001239186.....	773	1001242739.....	273	1001244059.....	265, 269
1001237435.....	543	1001239187.....	773	1001242740.....	265	1001244060.....	265, 271
1001237436.....	543	1001239188.....	773	1001242741.....	265	1001244117.....	243, 245
1001237437.....	543	1001239256.....	23	1001242813.....	591, 593	1001244118.....	243, 245
1001237438.....	543	1001239257.....	19, 23	1001242919.....	541, 571	1001244174.....	245
1001237444.....	65, 67	1001239297.....	253	1001242962.....	305, 309	1001244175.....	245, 257
1001237445.....	65	1001239298.....	253	1001242963.....	327, 331	1001244192.....	819, 821
1001237446.....	67	1001239301.....	265	1001243000.....	715	1001244193.....	819, 821
1001237447.....	65	1001239486.....	27	1001243013.....	227, 229	1001244220.....	547
1001237448.....	67	1001239488.....	27	1001243039.....	207, 283	1001244334.....	837
1001237487.....	67	1001239489.....	27	1001243044.....	753, 789	1001244340.....	291, 357
1001237497.....	543	1001239490.....	27	1001243089.....	597, 637	1001244406.....	667
1001237498.....	543	1001239491.....	27	1001243196.....	543, 713	1001244407.....	229, 667
1001237499.....	543	1001239492.....	27	1001243198.....	547, 719	1001244408.....	587
1001237540.....	543	1001239507.....	25, 27	1001243199.....	719	1001244441.....	571
1001237541.....	543	1001239510.....	241	1001243214.....	135	1001244442.....	215
1001237669.....	547	1001239511.....	241	1001243225.....	589	1001244443.....	39
1001237670.....	547	1001239596.....	95	1001243326.....	587, 589	1001244459.....	39
1001237671.....	547	1001239682.....	53	1001243451.....	59, 61	1001244517.....	39
1001237678.....	61	1001239734.....	121, 123, 125	1001243467.....	61, 63	1001244524.....	357
1001237679.....	63	1001239853.....	33	1001243468.....	63	1001244539.....	59
1001237680.....	63	1001239856.....	33	1001243469.....	63	1001244542.....	56
1001237681.....	65	1001239952.....	45, 851	1001243470.....	63	1001244574.....	625
1001237936.....	243, 245, 249	1001239953.....	777, 783	1001243472.....	65	1001244648.....	56, 853
1001238007.....	207, 783	1001239954.....	775, 789	1001243474.....	65	1001244651.....	67
1001238152.....	267	1001241306.....	56	1001243475.....	65	1001244876.....	727, 730
1001238153.....	235, 267	1001241307.....	56	1001243480.....	61	1001244877.....	825, 827
1001238195.....	56, 543	1001241308.....	379	1001243540.....	245, 769	1001245075.....	235
1001238393.....	56, 59	1001241314.....	49	1001243691.....	599	1001245094.....	61
1001238394.....	56, 61	1001241315.....	49	1001243701.....	601	1001245142.....	267
1001238395.....	56, 63	1001241318.....	265	1001243702.....	599, 601	1001245200.....	27
1001238396.....	56, 65	1001241319.....	53	1001243703.....	541, 599	1001245201.....	27
1001238397.....	56, 67	1001241324.....	37	1001243724.....	229, 655	1001245231.....	789, 795
1001238413.....	56	1001241326.....	265	1001243728.....	235	1001245232.....	541, 577
1001238509.....	543	1001241337.....	401	1001243729.....	235	1001245233.....	577, 579
1001238560.....	105, 191	1001241350.....	33	1001243771.....	261	1001245234.....	577
1001238565.....	101, 103, 105	1001241370.....	213	1001243772.....	261	1001245277.....	215
1001238566.....	191	1001241482.....	265	1001243775.....	213	1001245283.....	215
1001238570.....	191	1001241482.....	265	1001243840.....	279	1001245316.....	543, 547
1001238624.....	255, 257	1001241610.....	751, 857	1001243841.....	279	1001245340.....	45
1001238625.....	255, 257	1001241684.....	271	1001243844.....	33, 912	1001245341.....	45
		1001241702.....	269	1001243890.....	207		
		1001241704.....	271	1001243925.....	617		

SECTION 13 - SPECIAL OPTIONS/ACCESSORIES/KITS

1001245348.....45	1001246882 281, 705,	1001247379 553	1001255131.....485
1001245351.....45	759	1001247384 25	1001255255.....543
1001245352.....45	1001246929 785	1001247414 25	1001255273.....485
1001245394.....231, 233	1001246960 571	1001247421 865, 913	1001255301.....411
1001245691.....293	1001246961 571	1001247458 715, 913	1001255538.....569
1001245707.....27	1001246964 555	1001247501 759, 807	1001255573.....31
1001245708.....279	1001246965 571	1001247528 759, 811	1001255706.....245, 913
1001245711.....95	1001246966 571	1001247578 275	1001255723.....245
1001245712.....95	1001246968 571	1001247646 890, 894	1001255725.....783
1001245718.....95	1001246971 245	1001247708 553	1001255826.....913
1001245719.....95	1001246985 715	1001247713 571	1001255935.....571
1001245720.....95	1001246988 715	1001247736 569	1001256073.....369
1001245721.....95	1001246989 715	1001247739 569	1001256264.....23
1001245722.....95	1001246990 715	1001247917 759, 809	1001256526.....283
1001245723.....95	1001246991 715	1001247979 553	1001256555.....761, 763,
1001245724.....95	1001246994 715	1001248024 785, 913	913
1001245725.....95	1001246997 555	1001248169 541, 583	1001256558.....761, 763,
1001245726.....95	1001246998 555	1001248204 829, 837	765
1001245727.....95	1001247000 555	1001248354 541, 605	1001256899.....99
1001245757.....265, 273	1001247001 555	1001248372 555	1001256946.....825
1001245758.....265, 275	1001247004 555	1001248677 553	1001256951.....825
1001245862.....571	1001247005 571	1001248758 553, 805	1001256974.....535
1001245870.....541, 587	1001247006 555	1001248853 47	1001256999.....823, 825
1001245871.....587	1001247007 555	1001249078 99, 913	1001257071.....535
1001245872.....587	1001247044 721, 723	1001249327 363	1001257088.....525
1001245873.....587	1001247054 555, 557	1001249406 409	1001257090.....23
1001245874.....571	1001247056 25	1001249631 745	1001257324.....259
1001245875.....587	1001247057 541, 555	1001250120 803	1001257330.....521, 523
1001246022.....135	1001247092 721	1001250124 699	1001257346.....569
1001246178.....285	1001247094 213	1001250161 415	1001257347.....569
1001246296.....815	1001247103 25	1001250171 783	1001257917.....81, 83, 89
1001246375.....25	1001247107 541, 569	1001250180 255, 257	1001257978.....81
1001246376.....25	1001247108 569	1001250181 255	1001257979.....83
1001246391.....778	1001247109 569	1001250183 243, 245	1001258014.....593
1001246468.....571	1001247116 569	1001250184 243, 245	1001258019.....569
1001246469.....571	1001247117 569	1001250185 243, 245	1001258099.....401
1001246470.....571	1001247118 569	1001250189 259	1001258117.....351, 353
1001246532.....49, 541	1001247119 569	1001250190 243, 246	1001258118.....351, 355
1001246557.....573, 597	1001247120 569	1001250203 99, 701	1001258121.....353
1001246560.....573, 597	1001247123 569	1001250225 887	1001258122.....355
1001246561.....573, 597	1001247125 569	1001250226 887	1001258194.....219
1001246562.....637	1001247126 569	1001250235 887	1001258259.....17
1001246597.....571	1001247127 569	1001250276 99	1001258605.....167
1001246600.....571	1001247128 569	1001250279 761, 763	1001258642.....845
1001246601.....571	1001247129 569	1001250361 873	1001258644.....845, 849
1001246602.....571	1001247130 569	1001250379 763	1001258749.....857
1001246603.....571	1001247148 25	1001250380 761	1001258815.....705
1001246604.....571	1001247154 541, 545	1001250381 763	1001259205.....857, 861
1001246606.....571	1001247155 545	1001250475 99	1001259206.....165
1001246607.....571	1001247158 545	1001250701 873, 875	1001259224.....859
1001246609.....571	1001247159 545	1001250708 25	1001259238.....897
1001246636.....829	1001247166 569	1001251518 865	1001259246.....857, 859
1001246638.....727	1001247199 25	1001251524 890	1001259494.....789, 797
1001246642.....571	1001247206 559, 561	1001251525 894	1001259495.....597, 803
1001246643.....571	1001247208 559	1001252304 916	1001260274.....869
1001246645.....571	1001247210 541, 559	1001252525 243, 245	1001260509.....871
1001246646.....571	1001247211 559	1001253072 569	1001260580.....869
1001246648.....571	1001247212 559	1001253095 890, 894	1001260685.....869
1001246734.....25	1001247213 559	1001253228 569	1001260686.....869
1001246754.....815, 817	1001247222 609	1001253340 259	1001260687.....869
1001246770.....21	1001247223 541, 609	1001253728 543	1001260701.....869
1001246771.....21	1001247335 411	1001253784 571	1001260871.....916
1001246800.....23	1001247364 569	1001253785 555	1001260872.....916
1001246801.....21	1001247366 243, 245	1001253797 363	1001260996.....99
1001246825.....29, 35	1001247372 553	1001254037 571	1001261055.....99
1001246830.....29, 39	1001247373 553	1001254643 715	1001261095.....99
1001246832.....725, 805	1001247374 553	1001254895 571	1001262322.....873, 913

SECTION 13 - SPECIAL OPTIONS/ACCESSORIES/KITS

1001262326.....	873	1060626.....	707, 809	2144603.....	293	3290405....	379, 543, 831
1001262960.....	877	1062255 ...	569, 571, 783, 873	2144605.....	357	3290501.....	727, 865
1001262963.....	877	10700681.....	187	2150404.....	595, 635	329050595, 99, 401, 535,	537, 543
1001263046.....	85	10705034.....	153	2150808....	307, 329, 589, 593, 613	3290601... 191, 224, 440,	473, 477, 513, 563,
1001263934.....	569	10725554.....	315, 337	2151010.....	589	3290607.....	825
1001264988.....	916	10725627.....	321, 343	2151210.....	667	3290801... 243, 245, 371,	509, 563, 567, 837
1001264989.....	916	10732931.....	673	2151616.....	569	329080523, 39, 515, 543,	801
1001264995.....	785	10837928.....	673	2160016....	45, 59, 61, 63, 65, 89, 573, 597, 625	3290806.....	387
1001265007.....	869	10837953.....	673	2170106.....	575, 585	329100123, 27, 215, 243,	245, 273, 825, 869
1001265032.....	23	1170021.....	113	2170108.....	579, 589	3291005....	93, 243, 245, 549, 551, 573, 597, 763, 771, 857
1001265343.....	831	1170024.....	115	2170110.....	637	3291205.....	45, 53
1001265347.....	869	120034.....	727	2170112.....	585	3291605.....	53, 89
1001265544.....	869	1320022.....	440	2170206.....	585	3300240... 113, 115, 117,	121, 123, 125
1001265893.....	563	1320136.....	273	2170208.....	521	3311005.....	857
1001265996.....	563	1322073.....	211	2170210.....	579	3311405.....	105
1001265998.....	563	1701500.....	890, 894	2170212.....	567	3311502.....	191
1001266065.....	553, 717	1701509.....	105	2170216.....	569, 585	3311505.....	417
1001266178.....	563	1702631.....	890, 894	2170406.....	593, 607	3311508.....	707
1001266220.....	563	1702773.....	101, 103	2170410.....	553	3331615.....	209
1001266223.....	563	1704260.....	767, 859	2170706.....	233, 607	3332011.....	67, 363
1001266225.....	563	1704277.....	105	2170710.....	563	3332411.....	61, 63, 65
1001266227.....	563	1704885.....	101, 103	2170716.....	569	3333011.....	59, 63
1001266280.....	563	1706296.....	890	2170806.....	307, 329	3391410.....	191
1001266281.....	563, 567	1706299.....	890	2171106.....	571	3421453.....	105
1001266345.....	563, 567	1706300.....	890	2171110.....	543	3423242.....	115, 123
1001266353.....	563, 857	1706301.....	890	2171308.....	549, 551	3423275.....	113, 121
1001266710.....	593, 675	1706302.....	191, 890	2171716.....	569	3423276....	117, 125, 127
1001266871.....	563	1706306.....	890	2171733.....	569, 571	3423307....	121, 123, 125
1001266872.....	563	1706768.....	890	2171824.....	571	3440620.....	203
1001266879.....	565	1706850.....	890	2171840.....	569	3520072.....	105
1001266880.....	563, 565	1706892.....	101	2172106....	121, 123, 125, 571, 593	3520198.....	105
1001266881.....	563	1707078.....	890	2172108.....	549, 595	3575947.....	263
1001266918.....	567	2080040.....	105	2172410.....	553	3740067.....	563
1001266919.....	565	2080078.....	387	2180467.....	251	3740080....	769, 861, 913
1001267291.....	563	2080086.....	369	2200223.....	243, 245	3760170.....	105
1001267699.....	857	2080087.....	369	2200224.....	243, 245	3760348.....	513
1001268354.....	857	2080092.....	399	2220237.....	243, 245	3760463.....	56
1001268891.....	357, 653	2110408.....	579, 609	2220239.....	33, 37, 557	3790152.....	229, 259
1001269175.....	857	2110410.....	557	2220240.....	33	3820020.....	105
1001269176.....	857	2110604.....	233, 593	2220415.....	127	3841203....	121, 123, 125
1001269177.....	857	2110606 ...	121, 123, 125, 155, 579, 607	2220473.....	127	3900368.....	591
1001270117.....	403	2110610.....	595	2220881.....	639	3900379.....	25, 491
1001270123.....	869	2110808 ...	579, 589, 613	2220883.....	631, 639	3911010.....	857
1001270843.....	567	2110810 ...	557, 595, 629, 631, 647, 649	2220885.....	639	3931616.....	283
1001270982.....	761	2111010	579, 593, 601	2220886.....	639	3986610.....	435
1001271062.....	899	2111012.....	585	2340037.....	163	3986643.....	435
1001271063.....	901	2111212 ...	561, 585, 601, 617	2340038.....	175	4010410002.....	869
1001271256.....	869	2111612.....	563	2340039.....	185	4010416.....	715, 831
1001271527.....	916	2130404 ...	521, 593, 603, 667	2340045.....	173	4010510.....	533
1001273075.....	709	2130406.....	579	24921332.....	265	4010608002.....	369, 371, 409, 417, 466, 477, 481, 869
1001285929.....	631	2130408.....	609	2580062.....	811	4010610002.....	463, 466, 477, 869
1001285930.....	916	2130606 ...	153, 155, 565, 585, 607	2600281.....	105		
1001289105.....	849	2130608.....	153	2717160.....	153		
1001289296.....	849	2130808 ...	121, 123, 125, 307, 329, 521, 565, 567, 593, 667	2717161.....	153		
1001290669.....	849	2130810.....	595	2717162.....	153		
1001294815.....	909	2131010	553, 589, 603	2717283.....	153, 621		
1001301599.....	127	2131210.....	229	2717287.....	127		
1001301600.....	127	2131212.....	601, 603	2915023.....	645		
1009352.....	571	2132016.....	585	2940074.....	105, 913		
1009715900....	309, 311, 313, 315, 317, 321, 323, 325			31200160.....	101		
1009716000....	331, 333, 335, 337, 339, 343, 345, 347			31200386.....	103		
1060379.....	105			3251813.....	890, 894		
				3290401....	437, 440, 473, 863, 869		

SECTION 13 - SPECIAL OPTIONS/ACCESSORIES/KITS

4010612002.....373, 466, 473, 503, 505	792, 793, 797, 798, 803, 817, 823, 827, 839, 851, 853, 855, 861, 875, 883	4460970 ... 775, 793, 799, 823, 827	4811902....19, 21, 39, 67, 243, 246, 261, 437, 440, 475, 477
4031505001.....869	4460475 769	4460984 775, 778	4812000....23, 25, 27, 31, 33, 53, 65, 93, 99, 215, 229, 235, 259, 263, 265, 267, 269, 273, 283, 521, 543, 545, 549, 551, 555, 561, 569, 573, 577, 583, 597, 599, 715, 721, 763, 771, 785, 789, 825, 849, 857, 869
4031507.....869	4460496 727	4460994 733	4812002....19, 21, 31, 35, 61, 215, 243, 245
4031508.....543	4460497 727	4461000 767	4812100....31, 45, 53, 83, 209, 221, 275, 285, 773
4031607 33, 37, 535, 543, 783	4460508 778	4461006 778	4812102....243, 245, 351
4031608.....471, 543	4460509 792, 797	4461015 753, 792	4812300...17, 45, 53, 209
4031608001.....466	4460518 ... 734, 735, 792, 793	4461017 ... 713, 799, 853	4812500.....67, 363
4031707.....837	4460536 ... 730, 798, 835, 839	4461018 719, 797	4812700.....61, 63, 65
4031708001.....461	4460539 ... 730, 733, 734, 775, 791, 793, 798, 835, 839, 851, 875	4461054 827	4812900.....63
4031910.....495, 497	4460608 778	4461070 778	4831400....437, 440, 473
4031912.....609, 611	4460705 731	4461077 765, 853	4831600.....33, 783
4031916.....229	4460742 769	4461095 777, 853	4831700.....25, 477
4031917.....617	4460744 732, 797	4461115 ... 735, 817, 853	4831900....261, 285, 437, 440, 513
4031918.....551	4460746 ... 732, 735, 803	4461118 743, 797	4832100.....243, 245
4031921.....553	4460748 778, 803	4461174 709, 711	4891800....121, 123, 125
4032009.....715	4460789 743, 778	4461261 778	4892600.....309, 331
4032010.....53	4460836 ... 731, 777, 793, 798	4461262 723, 730	5220600.....821
4032314.....231	4460837 798	4461290 ... 731, 781, 792	5220800.....703, 707
4060804.....21	4460884 ... 734, 753, 775, 792, 793, 797, 839, 853, 855, 883	4641501 155, 157	5240600.....837
4060918.....49	4460891 ... 725, 735, 753, 769, 775, 777, 778, 791, 792, 793, 798, 803, 851, 853	4641502 153, 155	5240800....563, 571, 605
4060919.....49	4460894 ... 701, 713, 719, 731, 733, 757, 777, 791, 797, 823, 861	4641520 609	5241000.....863
4092006.....411	4460897 ... 732, 735, 753, 757, 778, 792, 793	4711000 857	5241400.....293
4100181.....890, 894	4460899 ... 743, 747, 751, 769, 778, 793, 798, 839, 853, 861	4711400 105	5241600.....85, 231, 293
4105262.....93	4460906 731	471678 56, 395, 543	5242000.....363
4109801.....890, 894	4460928 ... 734, 765, 792	4740003 91	5242400....191, 573, 597
4110422....193, 195, 197, 199, 203	4460929 765	4740274 243, 245	5250608.....445
4110473.....153	4460930 ... 734, 775, 777, 793, 797, 853	4740532 227	5250814.....45
4240018.....555, 571	4460931 ... 713, 734, 793, 798, 851, 855	4740550 243, 245	5271609.....865
4240032.....873, 877	4460932 ... 701, 723, 753, 769, 793, 799, 817, 833, 839, 867	4807718 413	5272012.....849
4240099....551, 555, 571, 807, 809	4460933 ... 731, 732, 777, 792, 793, 797, 798	4811400 ... 109, 111, 113, 115, 117, 121, 123, 125, 127, 193, 199, 437, 440, 473, 519, 543, 715, 831, 863	643191201.730, 731, 839
4360475.....767, 859, 912	4460941 ... 743, 753, 798, 823, 827	4811600 95, 99, 401, 466, 543, 767, 865	643191301.....839
4360657.....857	4460942 ... 731, 753, 791, 792, 793, 797, 803, 823, 839, 853	4811602001 869	643201301.....730
4360658.....519, 912	4460943 ... 713, 719, 734, 753, 757, 853, 875	4811700 ... 25, 27, 31, 33, 67, 99, 191, 224, 269, 275, 349, 369, 371, 395, 409, 417, 440, 461, 463, 473, 477, 481, 513, 517, 563, 577, 697, 699, 715, 727, 761, 763, 771, 773, 783, 785, 789, 815, 819, 821, 825, 841, 847, 857	6604662.....127
4460183.....859	4460944 ... 713, 719, 732, 733, 734, 735, 775, 777, 798, 839, 853, 855, 875	4811700001 466	70000699.....619
4460225.....730, 731	4460945 ... 735, 775, 799, 875	4811702 25, 349, 399, 477, 513, 517, 521, 563	70002219.....643
4460234.....727, 873	4460950 775, 793, 851	4811702001 371, 373, 466, 869	70002224.....643
4460265.....730		4811900 ... 23, 27, 31, 41, 47, 63, 65, 67, 215, 237, 243, 245, 251, 267, 269, 275, 277, 285, 371, 377, 391, 393, 417, 421, 425, 433, 440, 475, 493, 495, 497, 509, 513, 521, 543, 545, 555, 559, 563, 567, 599, 637, 697, 699, 709, 715, 717, 773, 785, 801, 837, 857	70002955.....677
4460267 730, 731, 732			70002963...675, 677, 912
4460268 730, 731, 732			70003849.....643
4460320.....732, 859			70004005.....661
4460343.....730, 731			70004006.....661
4460424.....732			70004007.....661
4460434.....730			70004654.....671
4460458....725, 732, 735, 769, 778, 797, 817, 853			70005615.....661
4460464....701, 713, 719, 723, 730, 732, 734, 743, 747, 751, 753, 769, 775, 777, 778, 792, 798, 817, 827, 835, 839, 851, 853, 855, 861, 867, 875, 879			70005616.....661
4460465....701, 713, 719, 725, 730, 731, 732, 733, 734, 735, 753, 757, 775, 777, 778, 791, 792, 793, 797, 798, 803, 835, 839, 851, 853, 861, 883			70005617.....661
4460466....713, 719, 730, 731, 732, 733, 734, 747, 751, 753, 769, 775, 777, 778, 791,			70005618.....661
			70005619.....661
			70006356.....655
			70020002.....119, 131
			70020015.....131
			70020017.....131
			70020025.....131

SECTION 13 - SPECIAL OPTIONS/ACCESSORIES/KITS

70020026	131	70022045	645	70025335	313, 335	70026370	673
70020027	131	70022046	645	70025336	337	70026372	673
70020028	119, 131	70022140	315, 337	70025337	337	70026373	673
70020276	295	70022147	671, 912	70025338	337	70026376	673
70020428	645	70022527	195, 197	70025339	315, 337	70026379	673
70020555	159, 161	70022528	195, 197	70025351	211, 913	70026383	673
70020764	669, 912	70022529	195, 197	70025483	423	70026395	217
70020867	671, 681	70022530	131	70025485	423	70026396	217
70020868	671, 912	70023000	145	70025486	423, 913	70026434	515
70021208	671, 912	70023116	318, 340	70025489	423	70026480	139
70021209	671	70023179	435	70025490	423	70026481	145
70021213	671	70023181	435	70025491	423	70026482	145
70021251	423	70023182	435	70025539	429	70026503	149
70021252	423	70023184	435	70025561	317, 339	70026568	671
70021314	429	70023186	435	70025562	315, 317, 337, 339	70026569	671
70021316	429	70023189	435	70025606	643	70026570	671
70021317	427	70023327	671	70025816	511	70026571	671
70021318	427	70023443	211	70025817	511	70026582	681, 912
70021319	427, 431	70023489	337	70025850	217, 912	70026698	195, 197
70021321	431	70023490	315, 337	70025851	217, 912	70026699	201
70021322	427	70023493	337	70025854	673	70026745	159
70021323	431	70023494	315, 337	70025855	317, 339	70026746	159
70021324	431	70023829	318, 340	70025856	315	70026747	201, 343
70021325	431	70023928	157	70025859	515	70026748	343
70021326	431	70023929	157	70025860	515	70026750	315
70021327	431	70024004	315	70025860	515	70026753	323, 345
70021328	431	70024020	643	70025884	325, 347	70026770	621
70021330	431	70024059	195, 197	70025887	315, 337	70026771	621
70021338	131	70024060	195	70025959	643	70026773	621
70021342	195	70024062	201	70025961	619	70026774	621
70021349	195, 197	70024107	435, 913	70025970	321	70026775	621
70021351	119	70024127	145	70026002	317, 339	70026777	673
70021367	131	70024129	149	70026056	643	70026778	673
70021376	119, 641	70024146	318, 340	70026057	643	70026779	673
70021377	119	70024147	317, 339	70026058	643	70026781	673
70021378	119	70024186	663	70026059	643	70026783	673
70021379	119	70024201	673	70026060	643	70026784	673
70021382	119, 131	70024210	321, 343	70026061	643	70026785	673
70021387	197	70024213	321	70026062	643	70026902	295
70021389	119	70024215	321	70026081	249	70026915	295
70021415	195, 197	70024216	343	70026211	633	70026918	295
70021429	131	70024262	643	70026212	633	70026922	295
70021440	132, 201, 641	70024284	211	70026213	633	70026923	295
70021442	132	70024306	189	70026214	633	70026924	295
70021443	132	70024307	189	70026215	633	70026944	201
70021444	641	70024459	435	70026238	317, 339	70026946	201
70021445	641	70024551	139	70026244	211, 657	70026948	201
70021446	641	70024552	139	70026245	211, 657	70026949	201
70021447	641	70024679	141	70026247	211, 657	70027009	197
70021448	641	70024684	141	70026248	211, 657, 912	70027022	321, 343
70021451	641	70024721	141, 145	70026255	315	70027024	419
70021452	641	70024733	149	70026262	321	70027025	419
70021531	669	70024734	149	70026263	321	70027026	419
70021606	343	70024759	141, 151	70026264	321	70027028	419
70021613	343	70024761	141, 151	70026265	325, 347	70027030	419
70021812	645	70024847	673	70026266	325, 347	70027032	419
70021921	195, 197	70024848	321	70026292	737	70027033	419
70021935	195, 197	70024849	321	70026293	739	70027034	419
70021977	195, 197	70024850	317	70026294	787, 912	70027035	419
70021978	195, 197	70024851	317	70026295	787, 912	70027092	321
70021979	195, 197	70024856	435	70026296	787, 912	70027105	315, 337
70022007	673	70024857	435	70026297	787, 912	70027317	321, 343
70022014	673	70024858	435	70026310	565	70027392	427, 429
70022019	673	70024859	435	70026354	249	70027393	429
70022028	195, 197	70024861	435	70026357	249	70027394	429
70022034	423	70024881	317, 325, 339, 347	70026359	249	70027395	427
70022044	645			70026369	673	70027595	663

SECTION 13 - SPECIAL OPTIONS/ACCESSORIES/KITS

70027641.....	131	70028924.....	317, 339	70029639.....	141	70030024.....	315, 337
70027642.....	119, 131	70028926.....	317, 339	70029640.....	141	70030025.....	318, 339
70027644.....	131	70029283.....	295	70029641.....	141	70030026.....	318, 339
70027645.....	131	70029454.....	317	70029642.....	141	70030027.....	323, 345
70027647.....	132	70029473.....	239	70029643.....	141	70030028... 323, 345, 913	
70027649.....	132	70029474.....	239	70029644.....	143	70030030.....	339
70027705.....	657	70029475.....	239	70029645.....	143	70030036.....	677
70027706.....	657	70029476.....	239	70029646.....	143	70030054.....	651, 653
70027773.....	131	70029478.....	131	70029647.....	149	70030055.....	651, 653
70027796.....	321	70029479.....	132	70029648.....	139	70030056.....	651, 653
70028119.....	147	70029480.....	131	70029649.....	151	70030057.....	651, 653
70028130.....	145	70029481.....	131	70029650.....	151	70030058.....	653
70028153.....	141, 151	70029483.....	315, 337	70029651.....	151	70030059.....	653
70028154.....	141, 151	70029486.....	317, 339	70029652.....	151	70030060.....	651, 653
70028155.....	141, 151	70029553.....	131	70029653.....	151	70030061.....	651, 653
7002821.....	916	70029554.....	131	70029654.....	151	70030062.....	651
7002823.....	916	70029556.....	131	70029655.....	151	70030063.....	651, 653
7002826.....	916	70029586.....	139	70029656.....	151	70030064.....	659
70028281.....	665, 912	70029587.....	139	70029657.....	151	70030065.....	659
70028282.....	665	70029588.....	139	70029658.....	151	70030066.....	659
70028285.....	679	70029592.....	149	70029659.....	145	70030067.....	659
70028286.....	673	70029593.....	149	70029660.....	145	70030068.....	659
70028287.....	673	70029594.....	149	70029661.....	145	70030069.....	659
70028296.....	673	70029595.....	139, 145	70029662.....	145	70030070.....	659
70028297.....	673	70029596.....	147	70029663.....	145	70030071.....	659
70028299.....	673	70029597.....	147, 913	70029664.....	145	70030077.....	659
70028300.....	673	70029598.....	147	70029665.....	145	70030078.....	659
70028326.....	435	70029599.....	147	70029666.....	145	70030079.....	659
70028381.....	515	70029600.....	147	70029667.....	145	70030080.....	659
70028382.....	515	70029601.....	147	70029668.....	145	70030082.....	659
70028383.....	515, 913	70029602.....	147	70029669.....	145	70030086.....	249
70028388... 295, 313, 317,		70029603.....	149	70029670.....	145	70030087.....	249
335, 339		70029604.....	149	70029671.....	145	70030090.....	631
70028389... 313, 317, 335,		70029605.....	149	70029672.....	145	70030091.....	631
339		70029606.....	149	70029673.....	145	70030092.....	631
70028390.....	315	70029607.....	149	70029674.....	145	70030109.....	627
70028392.....	318, 340	70029608.....	139	70029675.....	145	70030110.....	627
70028397.....	339	70029609.....	139	70029676.....	145	70030111.....	627
70028398.....	337	70029610.....	139	70029677.....	145	70030112.....	627
70028450.....	211, 912	70029611.....	139	70029678.....	145	70030113.....	627
70028454.....	617	70029612.....	139	70029679.....	145	70030114.....	627
70028465.....	323, 345	70029613.....	139	70029680.....	145	70030115.....	623
70028466.....	323, 345	70029614.....	139	70029681.....	143	70030116.....	623
70028467.....	323, 345	70029615.....	139	70029682.....	143	70030117.....	623, 631
70028468.....	323, 345	70029616.....	139	70029683.....	143	70030118... 623, 639, 649	
70028486.....	131	70029617.....	139	70029684.....	143	70030119... 623, 631, 639	
70028525.....	131	70029618.....	139	70029685.....	143	70030120... 623, 631, 639	
70028526.....	132	70029619.....	139	70029686.....	143	70030121.....	631
70028546.....	743	70029620.....	139	70029687.....	143	70030122.....	631
70028548.....	249	70029621.....	139	70029688.....	143	70030123.....	649
70028550.....	249	70029622.....	139	70029689.....	143	70030124.....	639, 649
70028661.....	145	70029623.....	139	70029690.....	143	70030125.....	639, 649
70028672.....	145	70029624.....	139	70029691.....	143	70030126.....	649
70028701.....	139, 151	70029625.....	139	70029692.....	143	70030127.....	649
70028702.....	139, 151	70029626.....	139	70029693.....	143	70030128.....	639
70028703.....	139, 151	70029627.....	139	70029694.....	143	70030129.....	639
70028706.....	151	70029628.....	139	70029695.....	143	70030130.....	639
70028707.....	151	70029629.....	139	70029701.....	131	70030131.....	639
70028708.....	151	70029630.....	139	70029702.....	131	70030132.....	639
70028768.....	145	70029631.....	139	70029872.....	673	70030141.....	119
70028820.....	295	70029632.....	141	70029873.....	673	70030142.....	119
70028828.....	296	70029633.....	141	70029874.....	673	70030143.....	119
70028830.....	296	70029634.....	141	70029919.....	211	70030144.....	119
70028837.....	295	70029635.....	141	70029976.....	675	70030145.....	119
70028882.....	339	70029636.....	141	70029977.....	675	70030152.....	619
70028922.....	318, 340	70029637.....	141	70029978.....	675	70030153.....	619
70028923.....	318, 340	70029638.....	141	70029979.....	675	70030154.....	619

SECTION 13 - SPECIAL OPTIONS/ACCESSORIES/KITS

70030155	619	7022391	565	80204176	295	8405007 ...	253, 559, 569, 571
70030156	619	7024574	645	80204178	295	8405009	237, 513
70030157	619	7026798	419	80204180	295	8405101	253, 571
70030158	619	7028621	435	80204202	295	8405103	569, 571
70030159	619	7028714	317, 339	80204207	295	8405201	253, 466, 469
70030160	619	7028715	317, 339	80204208	295	8405202	253
70030174	295	7028716	317, 339	80204213	295	8405212	255, 257, 259
70030175	295	7028733	318, 339	80204215	295	8405305	255, 259
70030176	295	7028938	211	80204254	296	8405402	213
70030177	295	7029127	323, 345	80233218	513	8406101	235, 763
70030178	295	7029128	211	80264002	429	8406102	555
70030179	295	7029288	313, 335	80264004	429	8406112	224
70030180	295	7029290	325, 347	80333151	513	8410009 ...	267, 287, 437, 440, 569
70030181	295	7029309	317	8033786	645	8410013 ...	235, 253, 553, 571
70030182	295	7029486	461, 463, 903	8034661	295	8420053 ...	119, 121, 123, 125, 127, 132, 145, 153, 197
70030183	295	7029520	161	8034697	673	8420055 ...	119, 121, 123, 125, 127, 132, 145, 153, 197
70030184	295	7029521	161	8035536	645	8430032	593, 601, 607
70030185	295	7029668	813	8035862	645	8430033	593, 601, 607
70030186	295	7029692	195	8035863	645	8430081	593
70030187	295	7029703	131	80363195	391	8430099	555
70030188	295	7029711	119	8036733	621	8466306	407
70030189	295	7029734	321, 343	8037140	633	8520003	61, 63, 65
70030190	295	7029735	321, 343	80604017	757	8580315	127
70030191	295	7029767	423	80604021	883	8584001	127
70030192	295	7029785	343	806253	41	8584003	881
70030193	295	7029787	321	806264	41	8630003	153
70030194	295	7029996	131	8065062	127	8642207	127
70030195	295	7029997	131	80933367	213	86683122	281
70030196	295	7062922	127	80963067	778	86883127	265
70030197	296	7110702	127	80983191 ..	737, 739, 741, 778, 912	8750024	285
70030198	296	7110712	127	82033995	235, 267	8750025	285
70030199	296	7110722	127	8205655	645	8769132	127
70030200	296	7117502	65	8220051	732, 733, 793	8770016	127
70030201	296	7139918	153	8220097	778	8770030	585
70030202	296	7300435	209	8220098	778	8770215	56
70030203	296	7301295	153	8220108	781, 813	8770241	293
70030204	296	7301408	177	8220124	778	8770247	229
70030205	296	7301536	563	8220124	778	8770248	357
70030206	296	77133136	543	8220375	732	8786549	359
70030207	296	77133137	543	8229234	861	88662434	571
70030208	296	77133497	761	8229235	769, 912	88662447	609
70030209	296	8000759	387	8229242	737, 739, 778, 912	88671001 ..	121, 123, 125
70030210	296	8000803	371	8229243	778, 912	8880218-OM	301, 303
70030211	296	8004398	387	8229244	741, 778, 787, 912	8896941	916
70030240	673	8005901	463	8229245	737, 787, 912	90028631	213
70030241	673	8008175	323, 345	8229247	739, 787, 912	90200003 ..	113, 115, 117, 121, 123, 125, 127, 153
70030242	673	80203020	295	8229261	875, 913	90200849	219
70030243	673	80203021	295	8229261	875, 913	90206202	49
70030244	673	80204002	313, 335	8278020	243, 245	90451058	153
70030245	673	80204005 ..	313, 317, 335, 339	8303634	127, 153	90554016 ..	119, 159, 195, 197, 201
70030246	673	80204012	318, 340	8303658	153	90554017	119
70030278	653	80204016	295	8303715	127	90554020 ..	119, 131, 195, 197
70030305	663	80204033	315, 337	8305624	153	90554021	131
70030306	663	80204035	315, 337	8305643	127, 153	90554024	131
70031049	869	80204043	315, 337	8305919	399, 466, 477	90554025	131
70031440	145	80204060	321	8307904	127	90554026	131
70031441	145	80204065	317, 339	8307918	127	90554027	131
70031443	153	80204071	317, 339	8310160	127		
70031444	119	80204076	317, 339	8310161	127		
70031445	195, 197	80204108	321	8310302	153		
70031447	145	80204117 ..	317, 321, 325, 339, 343, 347	8310435	153		
7004275	916	80204143	323, 345	8310559	383		
7004276	916	80204144	323, 345	8310686	609, 611		
70050473	673	80204147	295	8342813	43		
70050475	673	80204168	295	8405006	33, 555, 571		
7011367	601, 667						
7022390	665, 677						

SECTION 13 - SPECIAL OPTIONS/ACCESSORIES/KITS

90554033.....201	91043125..... 549, 551	91514083 317	91514148.....317, 339
90554034.....201	91043126..... 549, 551	91514084 317	91514149.....317, 339
90554035.....131	91143122 761	91514089 . 313, 317, 321,	91514151.....321
90554039.....131	91403119 61	335	91514154... 296, 321, 343
90554040.....131	91403193 291	91514090 325, 347	91514159.....321, 343
90554042...131, 195, 197	91403413 . 119, 121, 123,	91514095 317, 339	91514174.....317, 339
90554043.....131	125, 127, 132, 145,	91514098 313, 335	91514175.....317, 339
90554044.....131	153, 197, 549, 551	91514101 313, 335	91514177.....317, 339
90554045...131, 132, 641	91403414 . 119, 121, 123,	91514111 317, 339	91514178.....317, 339
90554046.....132	125, 127, 132, 145,	91514112 317, 339	91514179.....317, 339
90554054.....195, 197	153, 197, 549, 551	91514117 317, 339	91514180.....317, 339
90554062.....195	91403448 203	91514118 351	91514181.....317, 339
90554065.....119	91413025 213	91514130 315, 337	91514183.....317, 339
90554067.....119, 131	91474364 295	91514131 315, 337	91514188.....317, 339
90554076.....195	91474512 313, 335	91514133 315, 337	91514189.....317, 339
90554080.....161	91504107 757	91514134 315, 337	91561240.....85
91013191.....798	91513266 351	91514143 315	91563025.....61
91013192.....792, 795	91514081 317, 339	91514146 317, 339	91565005.....61
91041596.....61	91514082 317, 339	91514147 317, 339	AU2105.....890, 894



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