# Illustrated Parts Manual

# *Model 1850SJ*

**SN 0300000100 to SN 0300271492**
**excluding SN 0300271436**

**P/N**
**3121620**

**April 29, 2020 - Rev O**

***ANSI***

***CE***

***AS/NZS***

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# TABLE OF CONTENTS


SECTION 1 - FRAME ..... 13

FIGURE 1-1. AXLES INSTALLATION (SN 0300000100 through 0300215612) ..... 14
FIGURE 1-2. AXLES INSTALLATION (SN 0300215612 through 0300271492) ..... 16
FIGURE 1-3. STEERING INSTALLATION ..... 18
FIGURE 1-4. WHEEL DRIVE INSTALLATION ..... 20
FIGURE 1-5. DRIVE MOTOR ASSEMBLY ..... 22
FIGURE 1-6. DRIVE HUB ASSEMBLY ..... 24
FIGURE 1-7. TIRE/WHEEL INSTALLATION - IN445/50D710 FOAM-FILLED ..... 28
FIGURE 1-8. TIRE/WHEEL INSTALLATION - SOLID TIRES ..... 30
FIGURE 1-9. VALVES INSTALLATION - FRAME (WITHOUT LSS) ..... 32
FIGURE 1-10. VALVES INSTALLATION - FRAME (WITH LSS) ..... 34
FIGURE 1-11. TRACTION VALVE ASSEMBLY (SN 0300000100 through 0300224866) ..... 36
FIGURE 1-12. TRACTION VALVE ASSEMBLY (SN 0300224866 through 0300271492) ..... 38
FIGURE 1-13. STEER/AXLE EXTEND VALVE ASSEMBLY ..... 40
FIGURE 1-14. ELECTRICAL COMPONENTS INSTALLATION - FRAME ..... 42
FIGURE 1-15. ELECTRICAL COMPONENTS INSTALLATION - FRAME (ANSI, ANSI EXPORT (HRC), CSA AND JAPANESE SPECS) (SN 0300210987 through 0300271492) ..... 44
FIGURE 1-16. ELECTRICAL COMPONENTS INSTALLATION - FRAME (CE SPECS) ..... 46
FIGURE 1-17. ELECTRICAL COMPONENTS INSTALLATION - FRAME (CE SPECS) (SN 0300210988 through 0300271492) ..... 48
FIGURE 1-18. COVERS INSTALLATION - FRAME ..... 50

SECTION 2 - TURNTABLE ..... 53

FIGURE 2-1. VALVES AND HYDRAULIC FILTERS INSTALLATION - TURNTABLE (WITHOUT LSS) ..... 54
FIGURE 2-2. VALVES AND HYDRAULIC FILTERS INSTALLATION - TURNTABLE (WITH LSS) ..... 56
FIGURE 2-3. MAIN VALVE ASSEMBLY (SN 0300000100 through 0300247850) ..... 58
FIGURE 2-4. MAIN VALVE ASSEMBLY (SN 0300247850 through 0300271492) ..... 62
FIGURE 2-5. TURNTABLE BEARING INSTALLATION ..... 66
FIGURE 2-6. TURNTABLE LOCK INSTALLATION ..... 68
FIGURE 2-7. SWING DRIVE INSTALLATION ..... 70
FIGURE 2-8. SWING HUB/BRAKE/ MOTOR ASSEMBLY ..... 72
FIGURE 2-9. COUPLING/COLLECTOR RING INSTALLATION ..... 76
FIGURE 2-10. TANKS INSTALLATION (SN 0300000100 through 0300210987) ..... 78
FIGURE 2-11. TANKS INSTALLATION (SN 0300210987 through 0300271492) ..... 80
FIGURE 2-12. TANKS INSTALLATION - WITH DIESEL EXHAUST FLUID TANK (SN 0300210987 through 0300255120) ..... 82
FIGURE 2-13. TANKS INSTALLATION - WITH DIESEL EXHAUST FLUID TANK (SN 0300255121 through 0300271492) ..... 84
FIGURE 2-14. HYDRAULIC TANK ASSEMBLY ..... 86
FIGURE 2-15. AUXILIARY POWER/BATTERIES INSTALLATIONS ..... 88
FIGURE 2-16. AUXILIARY PUMP AND MOTOR ASSEMBLY (SN 0300000100 through 0300238870) ..... 90
FIGURE 2-17. AUXILIARY PUMP AND MOTOR ASSEMBLY (SN 0300238870 through 0300271492) ..... 92
FIGURE 2-18. TURNTABLE ELECTRICAL COMPONENTS INSTALLATION ..... 94
FIGURE 2-19. TURNTABLE ELECTRICAL COMPONENTS INSTALLATION (ANSI, CSA AND JAPANESE SPECS) (SN 0300210987 through 0300271492) ..... 98
FIGURE 2-20. TURNTABLE ELECTRICAL COMPONENTS INSTALLATION ..... 102
FIGURE 2-21. TURNTABLE ELECTRICAL COMPONENTS INSTALLATION (CE SPECS) (SN 0300210988 through 0300271492) ..... 106
FIGURE 2-22. GROUND CONTROL CONSOLE ASSEMBLY ..... 110
FIGURE 2-23. GROUND CONTROL CONSOLE ASSEMBLY ..... 112
FIGURE 2-24. GROUND CONTROL CONSOLE ASSEMBLY ..... 114
FIGURE 2-25. GROUND CONTROL CONSOLE ASSEMBLY ..... 116
FIGURE 2-26. KEY SWITCH - ANSI, ANSI EXPORT, AUSTRALIAN AND CSA SPECS ..... 118
FIGURE 2-27. KEY SWITCH - CE SPECS (SN 0300000100 through 0300201023) ..... 120
FIGURE 2-28. LIGHT PANEL ..... 122
FIGURE 2-29. LIGHT PANEL ..... 124
FIGURE 2-30. LIGHT PANEL ..... 126
FIGURE 2-31. LIGHT PANEL ..... 128
FIGURE 2-32. ELECTRICAL PANEL ASSEMBLY ..... 130
FIGURE 2-33. ALARM INSTALLATION ..... 132
FIGURE 2-34. BEACON LIGHT INSTALLATION - AMBER ..... 134
FIGURE 2-35. STROBE LIGHT INSTALLATION - BLUE (SN 0300000100 through 0300217096) ..... 136
FIGURE 2-36. STROBE LIGHT INSTALLATION - BLUE (SN 0300217096 through 0300259338) ..... 138
FIGURE 2-37. STROBE LIGHT INSTALLATION - BLUE (SN 0300259339 through 0300271492) ..... 140
FIGURE 2-38. STROBE LIGHT INSTALLATION - RED (SN 0300000100 through 0300217096) ..... 142
FIGURE 2-39. STROBE LIGHT INSTALLATION - RED (SN 0300217096 through 0300259338) ..... 144
FIGURE 2-40. STROBE LIGHT INSTALLATION - RED (SN 0300259339 through 0300271492) ..... 146





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# TABLE OF CONTENTS


FIGURE 2-41. HOOD INSTALLATION (SN 0300000100 through 0300205509) ..... 148
FIGURE 2-42. HOOD INSTALLATION (SN 0300205509 through 0300210986) ..... 154
FIGURE 2-43. HOOD INSTALLATION (SN 0300210987 through 0300271492) ..... 160
FIGURE 2-44. VENTURI INSTALLATION ..... 166
FIGURE 2-45. VENTURI INSTALLATION ..... 168

SECTION 3 - ENGINE ..... 171

FIGURE 3-1. DEUTZ LRC ENGINE INSTALLATION - NO COLD WEATHER PKG ..... 172
FIGURE 3-2. DEUTZ LRC ENGINE/PUMP ASSEMBLY - NO COLD WEATHER PKG ..... 176
FIGURE 3-3. DEUTZ LRC ENGINE ASSEMBLY - NO COLD WEATHER PKG ..... 178
FIGURE 3-4. DEUTZ LRC ENGINE INSTALLATION - WITH COLD WEATHER PKG ..... 184
FIGURE 3-5. DEUTZ LRC ENGINE/PUMP ASSEMBLY - WITH COLD WEATHER PKG ..... 188
FIGURE 3-6. DEUTZ LRC ENGINE ASSEMBLY - WITH COLD WEATHER PKG ..... 190
FIGURE 3-7. DEUTZ LRC ENGINE COMPONENTS ..... 196
FIGURE 3-8. DEUTZ T4I ENGINE INSTALLATION - NO COLD WEATHER PKG ..... 200
FIGURE 3-9. DEUTZ T4I ENGINE/PUMP ASSEMBLY - NO COLD WEATHER PKG ..... 204
FIGURE 3-10. DEUTZ T4I ENGINE ASSEMBLY - NO COLD WEATHER PKG ..... 206
FIGURE 3-11. DEUTZ T4I ENGINE INSTALLATION - WITH COLD WEATHER PKG ..... 212
FIGURE 3-12. DEUTZ T4I ENGINE/PUMP ASSEMBLY - WITH COLD WEATHER PKG ..... 216
FIGURE 3-13. DEUTZ T4I ENGINE ASSEMBLY - WITH COLD WEATHER PKG ..... 218
FIGURE 3-14. DEUTZ T4I ENGINE COMPONENTS ..... 224
FIGURE 3-15. DEUTZ EPA FLEX T4I ENGINE INSTALLATION - NO COLD WEATHER PKG ..... 228
FIGURE 3-16. DEUTZ EPA FLEX T4I ENGINE/PUMP ASSEMBLY - NO COLD WEATHER PKG ..... 232
FIGURE 3-17. DEUTZ EPA FLEX T4I ENGINE ASSEMBLY - NO COLD WEATHER PKG ..... 234
FIGURE 3-18. DEUTZ EPA FLEX T4I ENGINE INSTALLATION - WITH COLD WEATHER PKG ..... 240
FIGURE 3-19. DEUTZ EPA FLEX T4I ENGINE/PUMP ASSEMBLY - WITH COLD WEATHER PKG) ..... 244
FIGURE 3-20. DEUTZ EPA FLEX T4I ENGINE ASSEMBLY - WITH COLD WEATHER PKG ..... 246
FIGURE 3-21. DEUTZ EPA FLEX T4I ENGINE COMPONENTS ..... 252
FIGURE 3-22. DEUTZ EU FLEX T4I ENGINE INSTALLATION - NO COLD WEATHER PKG ..... 256
FIGURE 3-23. DEUTZ EU FLEX T4I ENGINE/PUMP ASSEMBLY - NO COLD WEATHER PKG ..... 260
FIGURE 3-24. DEUTZ EU FLEX T4I ENGINE ASSEMBLY - NO COLD WEATHER PKG ..... 262
FIGURE 3-25. DEUTZ EU FLEX T4I ENGINE COMPONENTS ..... 268
FIGURE 3-26. DEUTZ T4F ENGINE INSTALLATION - NO COLD WEATHER PKG (SN 0300000100 through 0300255121) ..... 272
FIGURE 3-27. DEUTZ T4F ENGINE INSTALLATION - NO COLD WEATHER PKG (SN 0300255121 through 0300271492) ..... 276
FIGURE 3-28. DEUTZ T4F ENGINE/PUMP ASSEMBLY - NO COLD WEATHER PKG (SN 0300000100 through 0300255121) ..... 280
FIGURE 3-29. DEUTZ T4F ENGINE/PUMP ASSEMBLY - NO COLD WEATHER PKG (SN 0300255121 through 0300271492) ..... 282
FIGURE 3-30. DEUTZ T4F ENGINE ASSEMBLY - NO COLD WEATHER PKG (SN 0300000100 through 0300255121) ..... 284
FIGURE 3-31. DEUTZ T4F ENGINE ASSEMBLY - NO COLD WEATHER PKG (SN 0300255121 through 0300271492) ..... 290
FIGURE 3-32. DEUTZ T4F ENGINE INSTALLATION - WITH COLD WEATHER PKG (SN 0300000100 through 0300255121) ..... 296
FIGURE 3-33. DEUTZ T4F ENGINE INSTALLATION - WITH COLD WEATHER PKG (SN 0300255121 through 0300271492) ..... 300
FIGURE 3-34. DEUTZ T4F ENGINE/PUMP ASSEMBLY - WITH COLD WEATHER PKG (SN 0300000100 through 0300255121) ..... 304
FIGURE 3-35. DEUTZ T4F ENGINE/PUMP ASSEMBLY - WITH COLD WEATHER PKG (SN 0300255121 through 0300271492) ..... 306
FIGURE 3-36. DEUTZ T4F ENGINE ASSEMBLY - WITH COLD WEATHER PKG (SN 0300000100 through 0300255121) ..... 308
FIGURE 3-37. DEUTZ T4F ENGINE ASSEMBLY - WITH COLD WEATHER PKG (SN 0300255121 through 0300271492) ..... 314
FIGURE 3-38. DEUTZ T4F ENGINE COMPONENTS (SN 0300000100 through 0300255121) ..... 320
FIGURE 3-39. DEUTZ T4F ENGINE COMPONENTS (SN 0300255121 through 0300271492) ..... 326
FIGURE 3-40. PUMP COUPLING KIT ..... 332
FIGURE 3-41. TANDEM PUMP ASSEMBLY ..... 334
FIGURE 3-42. PISTON PUMP ASSEMBLY ..... 338
FIGURE 3-43. GEAR PUMP ASSEMBLY ..... 342
FIGURE 3-44. SPARK ARRESTOR INSTALLATION - DEUTZ T4I (OPTIONAL) (SN 0300000100 through 0300251465) ..... 344
FIGURE 3-45. SPARK ARRESTOR INSTALLATION - DEUTZ LRC (OPTIONAL) ..... 346
FIGURE 3-46. SPARK ARRESTOR INSTALLATION - DEUTZ T4F (OPTIONAL) ..... 348
FIGURE 3-47. 4000W GENERATOR INSTALLATION - 50HZ SPEC (OPTIONAL) ..... 350
FIGURE 3-48. 7500W SKYPOWER GENERATOR INSTALLATION - 60HZ (OPTIONAL) ..... 354
FIGURE 3-49. 7500W SKYPOWER GENERATOR INSTALLATION - 50HZ (OPTIONAL) ..... 358

SECTION 4 - BOOM ..... 361

FIGURE 4-1. BOOM INSTALLATION ..... 362
FIGURE 4-2. BOOM ASSEMBLY ..... 366
FIGURE 4-3. JIB INSTALLATION ..... 374





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FIGURE 4-4. JIB ASSEMBLY ..... 378
FIGURE 4-5. PLATFORM ROTATOR ASSEMBLY (SN 0300000100 through 0300199535) ..... 380
FIGURE 4-6. PLATFORM ROTATOR ASSEMBLY (SN 0300199535 through 0300271492) ..... 382
FIGURE 4-7. JIB ROTATOR ASSEMBLY (SN 0300000100 through 0300199535) ..... 384
FIGURE 4-8. JIB ROTATOR ASSEMBLY (SN 0300199535 through 0300271492) ..... 386
FIGURE 4-9. PLATFORM SUPPORT INSTALLATION - NO LSS ..... 388
FIGURE 4-10. PLATFORM SUPPORT INSTALLATION - WITH 4 CELL LSS ..... 390
FIGURE 4-11. PLATFORM SUPPORT INSTALLATION - WITH 1 CELL LSS ..... 392
FIGURE 4-12. POWER TRACK INSTALLATION - BOOM ..... 394
FIGURE 4-13. VALVES INSTALLATION - BOOM (WITHOUT LSS) ..... 398
FIGURE 4-14. VALVES INSTALLATION - BOOM (WITH LSS) ..... 400
FIGURE 4-15. JIB VALVE ASSEMBLY ..... 402
FIGURE 4-16. PLATFORM VALVE ASSEMBLY ..... 404
FIGURE 4-17. BOOM SENSORS AND SWITCHES INSTALLATION ..... 406
FIGURE 4-18. BOOM CABLES - ANSI, ANSI EXPORT, CHINA, CSA AND JAPANESE SPECS ..... 414
FIGURE 4-19. BOOM CABLES (AUSTRALIAN AND CE SPECS) ..... 416
FIGURE 4-20. BOOM CABLES - SKYPOWER ..... 418
FIGURE 4-21. BOOM CABLES INSTALLATION - 4000W 50HZ GENERATOR (ANSI EXPORT, AUSTRALIAN, CE, CHINA AND JAPANESE SPECS) ..... 420
FIGURE 4-22. JIB ENCLOSURE BOX ASSEMBLY ..... 422

SECTION 5 - PLATFORM ..... 425

FIGURE 5-1. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH SWING GATE ..... 426
FIGURE 5-2. PLATFORM ASSEMBLY - SIDE GATE ENTRY (SN 0300000100 through 0300201023) ..... 428
FIGURE 5-3. PLATFORM ASSEMBLY - SIDE GATE ENTRY (SN 0300201023 through 0300271492) ..... 430
FIGURE 5-4. PLATFORM ASSEMBLY - SIDE GATE/DROP BAR TRI-ENTRY ..... 432
FIGURE 5-5. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH TRI-ENTRY (1 GATE/2 DROP BARS) ..... 434
FIGURE 5-6. PLATFORM ASSEMBLY - DROP BAR ENTRY ..... 436
FIGURE 5-7. PLATFORM ASSEMBLY - DROP BAR ENTRY (SN 0300000100 through 0300201023) ..... 438
FIGURE 5-8. PLATFORM ASSEMBLY - DROP BAR ENTRY (SN 0300201023 through 0300271492) ..... 440
FIGURE 5-9. PLATFORM ASSEMBLY - DROP BAR TRI-ENTRY ..... 442
FIGURE 5-10. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH TRI-ENTRY (3 DROP BARS) ..... 444
FIGURE 5-11. PLATFORM ASSEMBLY - FALL ARREST - ANSI SPEC (SN 0300000100 through 0300201023) ..... 446
FIGURE 5-12. PLATFORM ASSEMBLY - FALL ARREST - ANSI SPEC (SN 0300201023 through 0300271492) ..... 448
FIGURE 5-13. PLATFORM ASSEMBLY - FALL ARREST - AUSTRALIAN AND CE SPECS (SN 0300000100 through 0300201023) ..... 450
FIGURE 5-14. PLATFORM ASSEMBLY - FALL ARREST - AUSTRALIAN AND CE SPECS (SN 0300201023 through 0300271492) ..... 452
FIGURE 5-15. TRAY INSTALLATION ..... 454
FIGURE 5-16. LCD DISPLAY INSTALLATION (SN 0300000100 through 0300201023) ..... 456
FIGURE 5-17. LCD DISPLAY INSTALLATION (SN 0300201023 through 0300249008) ..... 458
FIGURE 5-18. LCD DISPLAY INSTALLATION (SN 0300249009 through 0300271492) ..... 460
FIGURE 5-19. PLATFORM CONTROLS INSTALLATION - WITHOUT SKYGUARD ..... 462
FIGURE 5-20. PLATFORM CONTROLS INSTALLATION - WITH SKYGUARD (SN 0300000100 through 0300234077) ..... 464
FIGURE 5-21. PLATFORM CONTROLS INSTALLATION - WITH SKYGUARD (SN 0300234077 through 0300258338) ..... 466
FIGURE 5-22. PLATFORM CONTROLS INSTALLATION - WITH SKYGUARD (SN 0300259339 through 0300271492) ..... 468
FIGURE 5-23. PLATFORM CONSOLE ASSEMBLY - WITHOUT SKYGUARD (SN 0300000100 through 0300212338) ..... 470
FIGURE 5-24. PLATFORM CONSOLE ASSEMBLY - WITHOUT SKYGUARD (SN 0300212338 through 0300218317) ..... 474
FIGURE 5-25. PLATFORM CONSOLE ASSEMBLY - WITHOUT SKYGUARD (SN 0300218318 through 0300271492) ..... 478
FIGURE 5-26. PLATFORM CONSOLE ASSEMBLY - WITH SKYGUARD (SN 0300000100 through 0300212338) ..... 482
FIGURE 5-27. PLATFORM CONSOLE ASSEMBLY - WITH SKYGUARD (SN 0300212338 through 0300218317) ..... 486
FIGURE 5-28. PLATFORM CONSOLE ASSEMBLY - WITH SKYGUARD (SN 0300218318 through 0300234076) ..... 490
FIGURE 5-29. PLATFORM CONSOLE ASSEMBLY - WITH SKYGUARD (SN 0300234077 through 0300259338) ..... 494
FIGURE 5-30. PLATFORM CONSOLE ASSEMBLY - WITH SKYGUARD (SN 0300229339 through 0300271492) ..... 498
FIGURE 5-31. DECAL AND LIGHT PANEL ..... 502
FIGURE 5-32. DECAL AND LIGHT PANEL ..... 504
FIGURE 5-33. DECAL AND LIGHT PANEL ..... 506
FIGURE 5-34. DECAL AND LIGHT PANEL ..... 508
FIGURE 5-35. LIFT AND SWING CONTROLLER ASSEMBLY (SN 0300000100 through 0300188926) ..... 510
FIGURE 5-36. CONTROLLER ASSEMBLY (LIFT AND SWING) (SN 0300188926 through 0300271492) ..... 512
FIGURE 5-37. DRIVE AND STEER CONTROLLER ASSEMBLY (SN 0300000100 through 0300188926) ..... 516
FIGURE 5-38. CONTROLLER ASSEMBLY (DRIVE AND STEER) (SN 0300188926 through 0300271492) ..... 518
FIGURE 5-39. FOOTSWITCH ASSEMBLY ..... 520
FIGURE 5-40. SKYGUARD SYSTEM INSTALLATION (SN 0300201023 through 0300259338) ..... 522
FIGURE 5-41. SKYGUARD BAR INSTALLATION (SN 0300259339 through 0300271492) ..... 524
FIGURE 5-42. CROSS RAIL INSTALLATION ..... 526



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## FIGURE 2-20. TURNTABLE ELECTRICAL COMPONENTS INSTALLATION

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001184702 | Ref | TURNTABLE ELECTRICAL COMPONENTS INSTALLATION (CE SPECS) | E |
| | | Ref | Usage Chart | |
| | | Ref | CE Specs **(SN 0300201023 through 0300210987)** | |
| | | Ref | CE (LRC) Specs **(SN 0300223410 through 0300271492, Excluding 0300271436)** | |
| 1 | 0100035 | AR | Compound, Locking | |
| 2 | 0700610 | 2 | Bolt M6 x 20 | |
| 3 | 0700618 | 2 | Bolt M6 x 50 | |
| 4 | 0760612 | 5 | Bolt M6 x 25 | |
| 5 | 0760614 | 2 | Bolt M6 X 30 | |
| 6 | 0760812 | AR | Bolt M8 x 25 | |
| 7 | 0760815 | 1 | Bolt M8 X 35 | |
| 8 | 0761014 | 1 | Bolt, M10 X 30 | |
| 9 | 1320041 | 1 | Clamp | |
| 10 | 2920129 | 10 | Lamp, Display | |
| 11 | 3290605 | 16 | Nut, M6 | |
| 12 | 3290807 | 9 | Nut, M8 | |
| 13 | 3291007 | 1 | Nut, M10 | |
| 14 | 3311601 | 4 | Nut 3/8-16 | |
| 15 | 3740067 | 1 | Relay | |
| 16 | 4460496 | 1 | Washer, Terminal | |
| 17 | 4460497 | 1 | Nut, Terminal | |
| 18 | 4791400 | 2 | Starwasher 1/4 | |
| 19 | 4811700 | 24 | Washer M6 | |
| 20 | 4811702 | 1 | Washer M6 | |
| 21 | 4811900 | AR | Washer M8 | |
| 22 | 4812000 | 2 | Washer M10 | |
| 23 | 6611172 | 2 | Cable, Ground to Frame | |
| 24 | 8310686 | AR | Nut, Retainer, M8 | |
| 25 | 8406201 | 2 | Clip | |
| 27 | 1001118274 | AR | Nut M8 | |
| 29 | 1001135027 | 1 | Bussbar | |
| 30 | 1001149970 | 1 | Harness - Drive Pump (Not Shown - See ELECTRICAL SECTION for Breakdown) | |
| 31 | 1001149972 | 1 | Harness - Turntable (Not Shown - See ELECTRICAL SECTION for Breakdown) | |
| 32 | 1001149973 | 1 | Harness - Ground Control Panel (Not Shown - See ELECTRICAL SECTION for Breakdown) | |
| 33 | 1001197446 | 1 | Harness - Main Valve (Not Shown - See ELECTRICAL SECTION for Breakdown) | |
| 35 | 1001149979 | 1 | Harness - Blam (Not Shown - See ELECTRICAL SECTION for Breakdown) | |
| 37 | 1001151895 | 1 | Sensor, Tilt | |
| 38 | 1001155967 | 4 | Holder, Side Mount | |
| 39 | 1001156107 | 6 | Holder, Cable | |
| 39 | | Ref | Note: Qty 4 Not Shown - Located Behind Hydraulic Tank | |
| 40 | 1001156135 | 1 | Harness - Fuel Pump (Not Shown - See ELECTRICAL SECTION for Breakdown) **(SN 0300000100 through 0300237158)** | |
| 40 | 1001211885 | 1 | Harness - Fuel Pump (Not Shown - See ELECTRICAL SECTION for Breakdown) **(SN 0300237158 through** | |



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| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 45 | 70002605 | 1 | Center Section Assembly (Includes Item 58) | |
| 46 | 70002168 | 2 | Gasket, End Cap | |
| 47 | 70001958 | 2 | Plug Assembly (Includes Item 48) | |
| 48 | 7021256 | 2 | O-Ring (Part of Item 47) | |
| 49 | 70001958 | 2 | Plug Assembly (Includes Item 50) | |
| 50 | 7021256 | 2 | O-Ring (Part of Item 49) | |
| 51 | 70001958 | 2 | Plug Assembly (Includes Item 52) | |
| 52 | 7021256 | 2 | O-Ring (Part of Item 51) | |
| 53 | 70001958 | 2 | Plug Assembly (Includes Item 54) | |
| 54 | 7021256 | 2 | O-Ring (Part of Item 53) | |
| 55 | 70002606 | 4 | Capscrew | |
| 58 | 70002607 | 2 | Bearing, Journal (Part of Item 45) | |
| 59 | 7022608 | 1 | Bracket, Lifting | |
| 60 | 70002609 | 1 | Screw | |
| 61 | See Note | NSS | Housing (Note: Not Available for Purchase) | |
| 62 | 70002175 | 1 | Shaft | |
| 63 | 70002610 | 1 | Kit, Ball Bearing | |
| 64 | 70007439 | 1 | Ring, Retaining | |
| 65 | 70002174 | 1 | Kit, Shaft Seal (Includes Items 66-68) (Note: This is a universal kit and will contain extra pieces that are not used on this pump assembly.) | |
| 66 | 70002177 | 1 | Seal, Lip | |
| 67 | 70002178 | 1 | O-Ring | |
| 68 | 70002179 | 1 | Ring, Retaining | |
| 69 | See Note | 1 | Housing (Note: Not Available for Purchase) | |
| 71 | 70002612 | 1 | Shaft | |
| 72 | 70002610 | 1 | Kit, Ball Bearing | |
| 74 | 70002621 | 1 | High Pressure Relief Valve Cartridge Assembly (Includes Item 75 & 76) | |
| 75 | 70002622 | 1 | Kit, Seal - 70002621 Valve (Part of Item 74) | |
| 76 | 7007415 | 1 | O-Ring (Part of Item 79) | |
| 77 | 7021293 | 1 | Ring, Back-up (Part of Item 79) | |
| 78 | 7022300 | 1 | O-Ring (Part of Item 79) | |
| 79 | 70002616 | 1 | SCR Valve Assembly | |
| 80 | 7024800 | 1 | Spring | |
| 81 | 7021265 | 1 | Plug Assembly (Includes Qty 1 of Items 76-78) | |
| 82 | 70002616 | 1 | SCR Valve Assembly | |
| 83 | 7024800 | 1 | Spring | |
| 84 | 7021265 | 1 | Plug Assembly (Includes Qty 1 of Items 76-78) | |
| 85 | 70002616 | 1 | SCR Valve Assembly | |
| 86 | 7024800 | 1 | Spring | |
| 87 | 70002617 | 1 | Plug Assembly (Includes Qty 1 of Items 76-78) | |
| 88 | 70002616 | 1 | SCR Valve Assembly | |
| 89 | 7024800 | 1 | Spring | |
| 90 | 7021265 | 1 | Plug Assembly (Includes Qty 1 of Items 76-78) | |
| 91 | 70002623 | 1 | Kit, Overhaul Seal (Includes Items 3, 5, 22, 27, 30, 37, 38, 41, 46, 48, 50, 52, 54, 66, 67, 75, 76, 77 & 78) | |



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## FIGURE 6-10. LIFT CYLINDER ASSEMBLY - JIB (SN 0300239676 through 0300271492)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001228058 | Ref | LIFT CYLINDER ASSEMBLY - JIB | E |
| | | Ref | Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts. | |
| 1 | See Note | NSS | Barrel Weldment (Note: Not Available for Purchase) | |
| 2 | 70006468 | NLA | Rod Weldment (Use p/n 70007058) | |
| 3 | 70006467 | 1 | Head | |
| 4 | See Note | NSS | Wiper (Note: Use Item 100) | |
| 5 | See Note | NSS | Seal, Rod (Note: Use Item 100) | |
| 6 | See Note | NSS | Ring, Wear (Note: Use Item 100) | |
| 7 | See Note | NSS | O-Ring (Note: Use Item 100) | |
| 8 | See Note | NSS | Ring, Back-up (Note: Use Item 100) | |
| 9 | 70006466 | 1 | Piston | |
| 10 | See Note | NSS | Ring, Lock (Note: Use Item 100) | |
| 11 | See Note | NSS | Ring, Guide (Note: Use Item 100) | |
| 12 | See Note | NSS | O-Ring (Note: Use Item 100) | |
| 13 | See Note | NSS | Ring, Back-up (Note: Use Item 100) | |
| 14 | 0961897 | 1 | Bushing, Tapered | |
| 15 | 0630535 | 3 | Capscrew 1/4 x 1-1/8 | |
| 16 | 70006465 | 1 | Spacer | |
| 20 | 1001117991 | 1 | Sensor, Cylinder Length | |
| 21 | 70006464 | 1 | Setscrew M5 | |
| 22 | 70006463 | 1 | Cap, Retainer | |
| 23 | 3931420 | 1 | Capscrew 1/4 x 1-1/4 | |
| 24 | 3760371 | 1 | Ring, Washer | |
| 24 | 70007049 | 2 | Ring, Washer | |
| 25 | 3931824 | 8 | Capscrew 1/2 x 1-1/2 | |
| 26 | 4641248 | 1 | Cartridge, Counterbalance Valve (Non Vented) | |
| 26 | See Note | NSS | Seal Kit - 4641248 Cartridge Valve (Note: Not Available for Purchase) | |
| 27 | 4640999 | 1 | Cartridge, Holding Valve (Non Vented) | |
| 27 | 2900792 | 1 | Seal Kit - 4640999 Cartridge Valve | |
| 28 | 0961950 | 2 | Bushing | |
| 29 | 1320136 | 1 | Clamp, Cable | |
| 30 | 70006462 | 1 | Bolt M5 | |
| 31 | 2220883 | 2 | Plug, O-Ring | |
| 32 | 2220885 | 2 | Plug, O-Ring | |
| 33 | 2220883 | 3 | Plug, O-Ring | |
| 34 | 2220886 | AR | Plug, O-Ring | |
| 35 | 0100011 | AR | Compound, Locking | |
| 36 | 0100038 | AR | Primer, Locking | |
| 100 | 1001139996 | 1 | Seal Kit (Includes Items 4-8 & 10-13) | |
| 200 | 1001119105 | 1 | Sensor Magnet Kit (Includes Items 201-203) | |
| 201 | 1001117994 | 2 | Sleeve, Spacer | |
| 202 | 1001118066 | 1 | Magnet, Sensor | |
| 203 | 1001118069 | 1 | Ring, Internal Retaining | |



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