Illustrated Parts Manual

Model 1500SJ

PVC
2001
2007

P/N 31215065

June 15, 2020 - Rev B

ANSI

CE

An Oshkosh Corporation Company

MidWestTech | JLG 1500SJ Boom Lift Parts Manual | Publication 31215065

Order the manual at mid-west-tech.com >

TABLE OF CONTENTS

SECTION 1 - FRAME 13

FIGURE 1-1. AXLE INSTALLATION - FIXED 14
FIGURE 1-2. AXLE INSTALLATION - OSCILLATING 18
FIGURE 1-3. STEER INSTALLATION 22
FIGURE 1-4. WHEEL DRIVE INSTALLATION - BONFIGLIOLI 24
FIGURE 1-5. WHEEL DRIVE INSTALLATION - REGGIANA RIDUTTORI 26
FIGURE 1-6. DRIVE HUB ASSEMBLY - BONFIGLIOLI 28
FIGURE 1-7. DRIVE HUB ASSEMBLY - REGGIANA RIDUTTORI 32
FIGURE 1-8. DRIVE MOTOR ASSEMBLY 36
FIGURE 1-9. TIRE AND WHEEL INSTALLATION - FOAM FILLED 38
FIGURE 1-10. TIRE AND WHEEL INSTALLATION - SOLID 40
FIGURE 1-11. TIRE AND WHEEL INSTALLATION - SOLID NON MARKIMG 42
FIGURE 1-12. VALVES AND MODULES INSTALLATION - FRAME MOUNTED 44
FIGURE 1-13. STEER VALVE ASSEMBLY 46
FIGURE 1-14. TRACTION VALVE ASSEMBLY 48
FIGURE 1-15. FRAME COVERS INSTALLATION - PLASTIC 50
FIGURE 1-16. FRAME COVERS INSTALLATION - STEEL 52

SECTION 2 - TURNTABLE 55

FIGURE 2-1. VALVE, MODULE AND FILTER INSTALLATION - TURNTABLE MOUNTED 56
FIGURE 2-2. BATTERY, HORN AND AUXILIARY PUMP INSTALLATION 58
FIGURE 2-3. MAIN VALVE ASSEMBLY 60
FIGURE 2-4. AUXILIARY PUMP ASSEMBLY 64
FIGURE 2-5. SWING DRIVE INSTALLATION 66
FIGURE 2-6. TURNTABLE BEARING AND LUBE INSTALLATION 68
FIGURE 2-7. TURNTABLE LOCK INSTALLATION 70
FIGURE 2-8. SWING MOTOR/HUB ASSEMBLY 72
FIGURE 2-9. ROTARY COUPLING AND COLLECTOR RING INSTALLATION 76
FIGURE 2-10. TANK INSTALLATION - WITH 31 GAL/117.31 L FUEL TANK 78
FIGURE 2-11. TANK INSTALLATION - WITH 58.2 GAL/200 L FUEL TANK 80
FIGURE 2-12. HYDRAULIC OIL TANK ASSEMBLY 82
FIGURE 2-13. HYDRAULIC OIL COOLER INSTALLATION - DEUTZ TD2011 ENGINES WITH REXROTH PUMPS (OPTIONAL) 84
FIGURE 2-14. HYDRAULIC OIL COOLER INSTALLATION - DEUTZ TD2011 ENGINES WITH SAUER PUMPS (OPTIONAL) 86
FIGURE 2-15. HYDRAULIC OIL COOLER INSTALLATION - DEUTZ TCD2.9L4 ENGINES, DEUTZ TCD2.9L4 (STAGE V PRE-BUY) ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES WITH REXROTH PUMPS (OPTIONAL) 88
FIGURE 2-16. HYDRAULIC OIL COOLER INSTALLATION - DEUTZ TCD2.9L4 ENGINES WITH REXROTH PUMPS (OPTIONAL) (CHINA SPEC ONLY) 90
FIGURE 2-17. HYDRAULIC OIL COOLER INSTALLATION - DEUTZ TCD2.9L4 ENGINES, DEUTZ TCD2.9L4 (STAGE V PRE-BUY) ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES WITH SAUER PUMPS (OPTIONAL) 92
FIGURE 2-18. HYDRAULIC OIL COOLER INSTALLATION - DEUTZ TCD2.9L4 ENGINES WITH SAUER PUMPS (OPTIONAL) (CHINA SPEC ONLY) 94
FIGURE 2-19. GROUND CONTROL BOX INSTALLATION - TD2011 ENGINES WITH REXROTH PUMPS (ANSI EXPORT (LRC) AND AUSTRALIAN SPECS) 96
FIGURE 2-20. GROUND CONTROL BOX INSTALLATION - TD2011 ENGINES WITH REXROTH PUMPS (CE (LRC) SPECS) 98
FIGURE 2-21. GROUND CONTROL BOX INSTALLATION - TD2011 ENGINES WITH SAUER PUMPS (ANSI EXPORT (LRC) AND AUSTRALIAN SPECS) 100
FIGURE 2-22. GROUND CONTROL BOX INSTALLATION - TD2011 ENGINES WITH SAUER PUMPS (CE (LRC) SPECS) 102
FIGURE 2-23. GROUND CONTROL BOX INSTALLATION - TCD2.9L4 ENGINES WITH REXROTH PUMPS (ANSI, ANSI EXPORT (HRC), CHINA, CSA AND JAPANESE SPECS) 104
FIGURE 2-24. GROUND CONTROL BOX INSTALLATION - TCD2.9L4 (STAGE V PRE-BUY) ENGINES WITH REXROTH PUMPS (CE SPECS) 106
FIGURE 2-25. GROUND CONTROL BOX INSTALLATION – DEUTZ TCD2.9L4 (STAGE V) ENGINES CE SPECS) 108
FIGURE 2-26. GROUND CONTROL BOX ASSEMBLY - DEUTZ TD2011 ENGINES AND DEUTZ TCD2.9L4 ENGINES (ALL SPECS EXCEPT CE SPECS) 110
FIGURE 2-27. GROUND CONTROL BOX ASSEMBLY - DEUTZ TD2011 ENGINES AND DEUTZ TCD2.9L4 (STAGE V PRE-BUY) ENGINES (CE SPECS) 112
FIGURE 2-28. GROUND CONTROL BOX ASSEMBLY - DEUTZ TCD2.9L4 (STAGE V) ENGINES (CE SPECS) 116
FIGURE 2-29. KEYSWITCH INSTALLATION 120
FIGURE 2-30. LIGHT PANEL INSTALLATION 122
FIGURE 2-31. ALARMS INSTALLATION 124
FIGURE 2-32. BACKUP ALARM (WHITE NOISE) INSTALLATION 126
FIGURE 2-33. BACKUP ALARM AMBIENT (WHITE NOISE) INSTALLATION 128
FIGURE 2-34. STROBE LIGHT INSTALLATION (AMBER) 130

MidWestTech | JLG 1500SJ Boom Lift Parts Manual | Publication 31215065 Order the manual at mid-west-tech.com >

TABLE OF CONTENTS

FIGURE 2-35. STROBE LIGHT INSTALLATION (BLUE) 132
FIGURE 2-36. STROBE LIGHT INSTALLATION (RED) 134
FIGURE 2-37. PINION SHIELD INSTALLATION 136
FIGURE 2-38. ENGINE TRAY JACK INSTALLATION - DEUTZ TD2011 ENGINES 138
FIGURE 2-39. ENGINE TRAY JACK INSTALLATION - DEUTZ TCD2.9L4 ENGINES, DEUTZ TCD2.9L4 (STAGE V PRE-BUY) ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES 140
FIGURE 2-40. HOOD INSTALLATION - DEUTZ TD2011 ENGINES 142
FIGURE 2-41. HOOD INSTALLATION - DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V PRE-BUY) ENGINES (PVC 2001) 146
FIGURE 2-42. HOOD INSTALLATION - DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V PRE-BUY) ENGINES (PVC 2007) 150
FIGURE 2-43. HOOD INSTALLATION - DEUTZ TCD2.9L4 (STAGE V) ENGINES 154

SECTION 3 - ENGINE 159

FIGURE 3-1. DEUTZ TD2011 ENGINE INSTALLATION - WITH REXROTH PUMPS (WITHOUT SKYPOWER AND WITHOUT COLD WEATHER PLUS PACKAGE) 160
FIGURE 3-2. DEUTZ TD2011 ENGINE ASSEMBLY - WITH REXROTH PUMPS (WITHOUT SKYPOWER AND WITHOUT COLD WEATHER PLUS PACKAGE) (PVC 2001) 164
FIGURE 3-3. DEUTZ TD2011 ENGINE ASSEMBLY - WITH REXROTH PUMPS (WITHOUT SKYPOWER AND WITHOUT COLD WEATHER PLUS PACKAGE) (PVC 2007) 168
FIGURE 3-4. DEUTZ TD2011 ENGINE INSTALLATION - WITH REXROTH PUMPS (WITH SKYPOWER AND WITHOUT COLD WEATHER PLUS PACKAGE) 172
FIGURE 3-5. DEUTZ TD2011 ENGINE ASSEMBLY - WITH REXROTH PUMPS (WITH SKYPOWER AND WITHOUT COLD WEATHER PLUS PACKAGE) (PVC 2001) 176
FIGURE 3-6. DEUTZ TD2011 ENGINE ASSEMBLY - WITH REXROTH PUMPS (WITH SKYPOWER AND WITHOUT COLD WEATHER PLUS PACKAGE) (PVC 2007) 180
FIGURE 3-7. DEUTZ TD2011 ENGINE INSTALLATION - WITH REXROTH PUMPS (WITH SKYPOWER AND WITH COLD WEATHER PLUS PACKAGE) 184
FIGURE 3-8. DEUTZ TD2011 ENGINE ASSEMBLY - WITH REXROTH PUMPS (WITH SKYPOWER AND WITH COLD WEATHER PLUS PACKAGE) (PVC 2001) 188
FIGURE 3-9. DEUTZ TD2011 ENGINE ASSEMBLY - WITH REXROTH PUMPS (WTH SKYPOWER AND WITH COLD WEATHER PLUS PACKAGE) (PVC 2007) 192
FIGURE 3-10. DEUTZ TD2011 ENGINE INSTALLATION - WITH SAUER PUMPS (WITHOUT SKYPOWER AND WITHOUT COLD WEATHER PLUS PACKAGE) 196
FIGURE 3-11. DEUTZ TD2011 ENGINE ASSEMBLY - WITH SAUER PUMPS (WITHOUT SKYPOWER AND WITHOUT COLD WEATHER PLUS PACKAGE) (PVC 2001) 200
FIGURE 3-12. DEUTZ TD2011 ENGINE ASSEMBLY - WITH SAUER PUMPS (WITHOUT SKYPOWER AND WITHOUT COLD WEATHER PLUS PACKAGE) (PVC 2007) 204
FIGURE 3-13. DEUTZ TD2011 ENGINE INSTALLATION - WITH SAUER PUMPS (WITH SKYPOWER AND WITHOUT COLD WEATHER PLUS PACKAGE) 208
FIGURE 3-14. DEUTZ TD2011 ENGINE INSTALLATION - WITH SAUER PUMPS (WITH SKYPOWER AND WITHOUT COLD WEATHER PLUS PACKAGE) (PVC 2001) 212
FIGURE 3-15. DEUTZ TD2011 ENGINE ASSEMBLY - WITH SAUER PUMPS (WITH SKYPOWER AND WITHOUT COLD WEATHER PLUS PACKAGE) (PVC 2007) 216
FIGURE 3-16. DEUTZ TD2011 ENGINE INSTALLATION - WITH SAUER PUMPS (WITH SKYPOWER AND WITH COLD WEATHER PLUS PACKAGE) 220
FIGURE 3-17. DEUTZ TD2011 ENGINE ASSEMBLY - WITH SAUER PUMPS (WITH SKYPOWER AND WITH COLD WEATHER PLUS PACKAGE) (PVC 2001) 224
FIGURE 3-18. DEUTZ TD2011 ENGINE ASSEMBLY - WITH SAUER PUMPS (WITH SKYPOWER AND WITH COLD WEATHER PLUS PACKAGE) (PVC 2007) 228
FIGURE 3-19. ENGINE COMPONENTS - DEUTZ TD2011 ENGINE 232
FIGURE 3-20. DEUTZ TCD2.9L4 ENGINE INSTALLATION - WITH REXROTH PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE) 236
FIGURE 3-21. DEUTZ TCD2.9L4 ENGINE SUB-ASSEMBLY - WITH REXROTH PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE) 240
FIGURE 3-22. DEUTZ TCD2.9L4 ENGINE INSTALLATION - WITH REXROTH PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE) (CHINA SPEC ONLY) 242
FIGURE 3-23. DEUTZ TCD2.9L4 ENGINE SUB-ASSEMBLY - WITH REXROTH PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE) (CHINA SPEC ONLY) 246
FIGURE 3-24. DEUTZ TCD2.9L4 ENGINE INSTALLATION - WITH REXROTH PUMPS (WITH COLD WEATHER PLUS PACKAGE) 248
FIGURE 3-25. DEUTZ TCD2.9L4 ENGINE SUB-ASSEMBLY - WITH REXROTH PUMPS (WITH COLD WEATHER PLUS PACKAGE) 252
FIGURE 3-26. DEUTZ TCD2.9L4 ENGINE INSTALLATION - WITH SAUER PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE) 254

MidWestTech | JLG 1500SJ Boom Lift Parts Manual | Publication 31215065 Order the manual at mid-west-tech.com >

FIGURE 3-27. DEUTZ TCD2.9L4 ENGINE SUB-ASSEMBLY - WITH SAUER PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE) 258
FIGURE 3-28. DEUTZ TCD2.9L4 ENGINE INSTALLATION - WITH SAUER PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE) (CHINA SPEC ONLY) 260
FIGURE 3-29. DEUTZ TCD2.9L4 ENGINE SUB-ASSEMBLY - WITH SAUER PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE) (CHINA SPEC ONLY) 264
FIGURE 3-30. DEUTZ TCD2.9L4 ENGINE INSTALLATION - WITH SAUER PUMPS (WITH COLD WEATHER PLUS PACKAGE) 266
FIGURE 3-31. DEUTZ TCD2.9L4 ENGINE SUB-ASSEMBLY - WITH SAUER PUMPS (WITH COLD WEATHER PLUS PACKAGE) 270
FIGURE 3-32. DEUTZ TCD2.9L4 ENGINE ASSEMBLY - WITHOUT COLD WEATHER PLUS PACKAGE 272
FIGURE 3-33. DEUTZ TCD2.9L4 ENGINE ASSEMBLY - WITHOUT COLD WEATHER PLUS PACKAGE (CHINA SPEC ONLY) (PVC 2001) 278
FIGURE 3-34. DEUTZ TCD2.9L4 ENGINE ASSEMBLY - WITHOUT COLD WEATHER PLUS PACKAGE (CHINA SPEC ONLY) (PVC 2007) 284
FIGURE 3-35. DEUTZ TCD2.9L4 ENGINE ASSEMBLY - WITH COLD WEATHER PLUS PACKAGE 290
FIGURE 3-36. DEUTZ TCD2.9L4 ENGINE COMPONENTS 296
FIGURE 3-37. ENGINE COMPONENTS - DEUTZ TCD2.9L4 ENGINE (CHINA SPEC ONLY) 300
FIGURE 3-38. DEUTZ TCD2.9L4 (STAGE V PRE-BUY) DIESEL ENGINE INSTALLATION - WITH SAUER PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE) 304
FIGURE 3-39. DEUTZ TCD2.9L4 (STAGE V PRE-BUY) DIESEL ENGINE INSTALLATION - WITH REXROTH PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE) 308
FIGURE 3-40. DEUTZ TCD2.9L4 (STAGE V PRE-BUY) ENGINE SUB-ASSEMBLY - WITH SAUER PUMP (WITHOUT COLD WEATHER PLUS PACKAGE) 312
FIGURE 3-41. DEUTZ TCD2.9L4 (STAGE V PRE-BUY) ENGINE SUB-ASSEMBLY - WITH REXROTH PUMP (WITHOUT COLD WEATHER PLUS PACKAGE) 314
FIGURE 3-42. DEUTZ TCD2.9L4 (STAGE V PRE-BUY) ENGINE ASSEMBLY (WITHOUT COLD WEATHER PLUS PACKAGE) 316
FIGURE 3-43. DEUTZ TCD2.9L4 (STAGE V PRE-BUY) ENGINE COMPONENTS 322
FIGURE 3-44. DEUTZ TCD2.9L4 (STAGE V) DIESEL ENGINE INSTALLATION - WITH SAUER PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE) 326
FIGURE 3-45. DEUTZ TCD2.9L4 (STAGE V) DIESEL ENGINE INSTALLATION - WITH REXROTH PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE) 330
FIGURE 3-46. DEUTZ TCD2.9L4 (STAGE V) ENGINE SUB-ASSEMBLY - WITH SAUER PUMP (WITHOUT COLD WEATHER PLUS PACKAGE) 334
FIGURE 3-47. DEUTZ TCD2.9L4 (STAGE V) ENGINE SUB-ASSEMBLY - WITH REXROTH PUMP AND ABS HOODS (WITHOUT COLD WEATHER PLUS PACKAGE) 336
FIGURE 3-48. DEUTZ TCD2.9L4 (STAGE V) ENGINE ASSEMBLY (WITHOUT COLD WEATHER PLUS PACKAGE) 338
FIGURE 3-49. PUMP ASSEMBLY (REXROTH) (DEUTZ TD2011 ENGINES) 344
FIGURE 3-50. PUMP ASSEMBLY (REXROTH) (DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V PRE-BUY) ENGINES) 350
FIGURE 3-51. PUMP ASSEMBLY (SAUER TANDEM) 356
FIGURE 3-52. PUMP ASSEMBLY (SAUER PISTON) 360
FIGURE 3-53. PUMP ASSEMBLY (SAUER GEAR) 364
FIGURE 3-54. PUMP COUPLING KIT 366
FIGURE 3-55. FUEL-WATER SEPARATOR INSTALLATION - DEUTZ TD2011 (OPTIONAL) 368
FIGURE 3-56. FUEL PUMP/FILTER BRACKET ASSEMBLY (DEUTZ TCD2.9L4 ENGINE AND DEUTZ TCD2.9L4 (STAGE V PRE-BUY) ENGINE) 370
FIGURE 3-57. FUEL PUMP/FILTER BRACKET ASSEMBLY - DEUTZ TCD2.9L4 ENGINE 372
FIGURE 3-58. FUEL FILTER/WATER SEPARATOR INSTALLATION - DEUTZ TCD2.9L4 ENGINE 374
FIGURE 3-59. BREATHER HEATER INSTALLATION - DEUTZ TCD2.9L4 ENGINES, DEUTZ TCD2.9L4 (STAGE V PRE-BUY) ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES WITH ARCTIC PACKAGE 376
FIGURE 3-60. 4000W GENERATOR INSTALLATION - 60HZ SPECS (DEUTZ TD2011 ENGINES) 378
FIGURE 3-61. 4000W GENERATOR INSTALLATION - 50HZ SPECS (DEUTZ TD2011 ENGINES) 382
FIGURE 3-62. 4000W GENERATOR INSTALLATION - 60HZ SPEC (DEUTZ TCD2.9L4 ENGINES) 386
FIGURE 3-63. 4000W GENERATOR INSTALLATION - 50HZ SPEC (DEUTZ TCD2.9L4 ENGINES, DEUTZ TCD2.9L4 (STAGE V PRE-BUY) ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES) 390
FIGURE 3-64. 7500W SKYPOWER GENERATOR INSTALLATION - 60HZ SPEC (DEUTZ TD2011 ENGINES) (OPTIONAL) 394
FIGURE 3-65. 7500W SKYPOWER GENERATOR INSTALLATION - 50HZ SPEC (DEUTZ TD2011 ENGINES) (OPTIONAL) 398
FIGURE 3-66. 7500W SKYPOWER GENERATOR INSTALLATION - 60HZ SPEC (DEUTZ TCD2.9L4 ENGINES) (OPTIONAL) 402
FIGURE 3-67. 7500W SKYPOWER GENERATOR INSTALLATION - 50HZ SPEC (DEUTZ TCD2.9L4 ENGINES, DEUTZ TCD2.9L4 (STAGE V PRE-BUY) ENGINES AND DEUTZ TCD2.9L4 (STAGE V ENGINES) (OPTIONAL) 406

SECTION 4 - BOOM 409

FIGURE 4-1. BOOM INSTALLATION - WITHOUT COLD WEATHER PLUS PACKAGE 410

MidWestTech | JLG 1500SJ Boom Lift Parts Manual | Publication 31215065 Order the manual at mid-west-tech.com >

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
48	See Note	NSS	Gasket (Note: Use Item 51 or 52)	
49	See Note	NSS	Cover, Engagement (Note: Use Item 52)	
50	See Note	NSS	Screw (Note: Use Item 52)	
51	70002248	1	Seal Kit (Includes Items 3, 8-11, 25, 38, 41, 43 & 48)	
52	70002247	1	Cover Kit (Includes Items 41-50)	
53	70002249	1	Brake Kit (Includes Items 4-13)	
101	0761214	2	Bolt M12 x 30	
102	2110404	1	Fitting, Adapter	
103	2110808	1	Fitting, Adapter	
104	2110812	1	Fitting, Adapter	
105	2130406	1	Fitting, 90 Adapter	
106	2130812	1	Fitting, 90 Adapter	
108	5241200	2	Washer M12	
109	0100011	AR	Compound, Locking	
110	3790158	1	O-Ring	
111	3020008	51 oz / 1.5L	Lubricant HD 80W-90 (Not Shown)	

MidWestTech | JLG 1500SJ Boom Lift Parts Manual | Publication 31215065 Order the manual at mid-west-tech.com >

FIGURE 3-51. PUMP ASSEMBLY (SAUER TANDEM)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001108616	Ref	PUMP ASSEMBLY (SAUER TANDEM)	D
1	70002132	4	Pin	
2	70002133	4	Plug Assembly (Includes Item 3)	
3	7007207	4	O-Ring (Part of Item 2)	
4	7007419	2	Plug Assembly (Includes Item 5)	
5	7007418	2	O-Ring (Part of Item 4)	
6	70002600	1	Coupling	
7	70002135	2	Cylinder Block Kit (Each Kit Includes Qty 1 of Items 8-10 & 12-16 & Qty 3 of Item 11)	
8	70002136	2	Piston Assembly Kit (Includes Qty 9 Piston Assemblies) (Part of Item 7)	
9	70002137	2	Guide, Slipper Retainer (Part of Item 7)	
10	70002138	2	Retainer, Slipper (Part of Item 7)	
11	7021275	6	Pin, Slipper Retainer Holddown (Part of Item 7)	
12	70002135	2	Cylinder Block Assembly (Includes Qty 1 of Item 13-16) (Part of Item 7)	
13	70002139	2	Spring (Part of Item 12)	
14	70002140	2	Washer (Part of Item 12)	
15	70002141	2	Washer (Part of Item 12)	
16	70002142	2	Ring, Retaining (Part of Item 12)	
17	7007446	2	Pin	
18		Ref	Plate, Valve Options:	
18A	70002601	1	Plate, CW Valve	
18B	70002602	1	Plate, CCW Valve	
19	70002145	2	Swash Plate Bearing Kit (Includes Qty 2 Bearings)	
20	70002618	2	EDC Kit (Includes Items 21-31)	
21	70002619	4	Solenoid Valve Assembly (Includes Items 22 & 23) (Part of Item 20)	
22	70002148	4	O-Ring (2 Per EDC Assembly) (Part of Item 21)	
23	70002620	4	Coil, Nut and Seals Kit (2 Per EDC Assembly) (Part of Item 21)	
24	70002150	12	Screw (Part of Item 20)	
25	7022301	2	Nut, Seal (Part of Item 20)	
26	70002151	2	Plug Assembly (Part of Item 20) (Includes Item 27)	
27	7007207	2	O-Ring (Part of Item 26)	
28	70002134	2	Screen (Part of Item 20)	
29	70002153	2	Ring, Locking (Part of Item 20)	
30	70002154	2	Gasket, Control (Part of Item 20)	
31	70002156	12	Capscrew (Part of Item 20)	
32	70002152	2	Swash Plate	
33	70002155	2	Link, Swash Plate	
34	70002157	4	Pin, Dowel	
35	70002158	2	Servo Piston Assembly (Includes Items 36-38)	
36	70002159	2	Block, Slider (Part of Item 35)	
37	70002160	2	O-Ring (Part of Item 35)	
38	70002161	2	Ring, Piston (Part of Item 35)	
39	70002162	2	Cylinder, Servo	
40	70002162	2	Cylinder, Servo	
41	70002163	4	O-Ring	
42	70002164	4	Plate, Locking	
43	70002165	8	Screw	

MidWestTech | JLG 1500SJ Boom Lift Parts Manual | Publication 31215065 Order the manual at mid-west-tech.com >

FIGURE 11-1. SPECIAL OPTIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	Note: This list is to accommodate machines ordered with special equipment. Options may not be applicable to all models. For more specific parts information contact JLG Parts Department.	
		Ref	MISCELLANEOUS SPECIAL OPTIONS	
	0272078	Ref	Accessory Counterweight (Required with SkyWelder and/or Fall Arrest Platform Options)	
	1340067	Ref	Air Cleaner Pre-Cleaner	
	1001120325	Ref	Airline Installation, 1/2	
	1001202697	Ref	Air Intake Shut-off Valve (Deutz TCD2.9L4 Engines) (ANSI and CSA Specs)	
	1001249695	1	Analyzer, Machine System with Cable	
	1001249941	1	Analyzer, Machine System with Cable (Battery Powered)	
	0271803	Ref	Bellows, Cylinder (Fixed Axle)	
	0271804	Ref	Bellows, Cylinder (Oscillating Axle)	
	1001122591	Ref	Bellows, Cylinder (Boom)	
	0271875	Ref	Boom Wipers Installation (Boom)	
	1001134627	Ref	Boom Wipers Installation (Jib)	
		Ref	ClearSky (Telematics) Installations (Dealer Installed)	
	1001242192	Ref	ClearSky (Telematics) Access Control Installation Kit (Dealer Installed) (ANSI, ANSI Export and CSA Specs)	
	1001243183	Ref	ClearSky (Telematics) Added-on Kit (Dealer Installed) (ANSI, ANSI Export and CSA Specs)	
	1001246142	Ref	ClearSky (Telematics) Added-on Kit (Dealer Installed) (Australian Specs	
	1001243184	Ref	ClearSky (Telematics) Added-on Kit (Dealer Installed) (CE Specs)	
	1001227451	Ref	ClearSky Telematics Installation - Canbus Connection (ANSI & CSA Specs)	
	1001246127	Ref	ClearSky Telematics Installation - Canbus Connection (Australian Specs)	
	1001228952	Ref	ClearSky Telematics Installation - Canbus Connection (ANSI Export and CE Specs)	
	1001246128	Ref	ClearSky Telematics Installation - Canbus Connection (China Specs)	
	1001229107	Ref	ClearSky Telematics Installation - 3 Wire Connection (ANSI & CSA Specs)	
	1001233237	Ref	ClearSky Telematics Installation - 3 Wire Connection (ANSI Export and CE Specs)	
	0273862	Ref	Cold Weather Package (Deutz TD2011 Engines)	
	1001235617	Ref	Cold Weather Package (Deutz TCD2.9L4 Engines, Deutz TCD2.9L4 (Stage V Pre-Buy) Engines and Deutz TCD2.9L4 (Stage V) Engines)	
	0272621	Ref	Control System Analyzer Installation	
	1001233047	Ref	Crankcase Breather Heater Kit (Deutz TCD2.9L4 Engines)	
	1001216363	Ref	Cribbing Enable Installation	
		Ref	Decal Kits	
	1001143931	Ref	Decal Kit - Platform (ANSI Spec)	
	1001143930	Ref	Decal Kit - Platform Console Box	
		Ref	Electrical Connector Kits	
	1001148902	Ref	Amp/Tyco Electrical Connector Kit	
	1001148903	Ref	Deutsch DT Electrical Connector Kit	
	1001148904	Ref	Deutsch HD Electrical Connector Kit	

MidWestTech | JLG 1500SJ Boom Lift Parts Manual | Publication 31215065 Order the manual at mid-west-tech.com >