Illustrated Parts Manual

Models
450A
450AJ

SN 0300201991 to SN 0300272317*
SN 1300007279 to SN 1300007373
SN B300000100 to SN B300005760*
SN E300002833 to SN E300007990*

***See Revision Log Page for exceptions**

P/N
3121660

April 7, 2020 - Rev R

ANSI

CE

CSA

AS/NZS

An Oshkosh Corporation Company

MidWestTech | JLG 450A, 450AJ Boom Lift Parts Manual | Publication 3121660

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

TABLE OF CONTENTS

SECTION 1 - FRAME 15

FIGURE 1-1. AXLE INSTALLATION 16
FIGURE 1-2. STEER INSTALLATION WITHOUT TOW PACKAGE 18
FIGURE 1-3. STEER INSTALLATION WITH TOW PACKAGE 20
FIGURE 1-4. WHEEL DRIVE INSTALLATION (2WD) 22
FIGURE 1-5. WHEEL DRIVE INSTALLATION (4WD) 24
FIGURE 1-6. HUB - SPINDLE ASSEMBLY 26
FIGURE 1-7. DRIVE HUB AND BRAKE ASSEMBLY - REAR 28
FIGURE 1-8. DRIVE HUB ASSEMBLY - FRONT 32
FIGURE 1-9. DRIVE MOTOR ASSEMBLY (2WD) 34
FIGURE 1-10. DRIVE MOTOR ASSEMBLY (4WD) 36
FIGURE 1-11. FRAME SHIELD INSTALLATION 38
FIGURE 1-12. TIRE AND WHEEL INSTALLATION - 12 X 16.5 FOAM FILLED (AVAILABLE ON ANSI, ANSI EXPORT AND CSA SPECS) 40
FIGURE 1-13. TIRE AND WHEEL INSTALLATION - 12 X 16.5 FOAM FILLED NON MARKING (AVAILABLE ON ANSI, ANSI EXPORT AND CSA SPECS) 42
FIGURE 1-14. TIRE AND WHEEL INSTALLATION - 33 X 12-20 SOLID NON-MARKING (AVAILABLE ON AUSTRALIAN AND CE SPECS) 44
FIGURE 1-15. TIRE AND WHEEL INSTALLATION - 33 X 16LL500 PNEUMATIC TURF AND SAND (AVAILABLE ON ANSI AND ANSI EXPORT SPECS) 46
FIGURE 1-16. TIRE AND WHEEL INSTALLATION - 33/1550 X 16.5 PNEUMATIC (AVAILABLE ON ANSI, ANSI EXPORT AND CSA SPECS) 48
FIGURE 1-17. TIRE AND WHEEL INSTALLATION - 33/1550 X 16.5 PNEUMATIC WITH TIRE SEALANT (AVAILABLE ON ANSI, ANSI EXPORT AND CSA SPECS) 50
FIGURE 1-18. TIRE AND WHEEL INSTALLATION - 33/1550 X 16.5 FOAM-FILLED (AVAILABLE ON ALL SPECS) 52
FIGURE 1-19. TIRE AND WHEEL INSTALLATION - 315/55 D20 FOAM FILLED (AVAILABLE ON AUSTRALIAN, CE AND CHINA SPECS) 54
FIGURE 1-20. TIRE AND WHEEL INSTALLATION - 315/55 D20 FOAM FILLED NON-MARKING (AVAILABLE ON AUSTRALIAN, CE AND CHINA SPECS) 56
FIGURE 1-21. 2WD VALVES INSTALLATION - 450A FRAME MOUNTED 58
FIGURE 1-22. 2WD VALVES INSTALLATION - 450AJ FRAME MOUNTED 60
FIGURE 1-23. 4WD VALVES INSTALLATION - 450A FRAME MOUNTED 62
FIGURE 1-24. 4WD VALVES INSTALLATION - 450AJ FRAME MOUNTED 64
FIGURE 1-25. TRACTION VALVE ASSEMBLY - 2WD 66
FIGURE 1-26. TRACTION VALVE ASSEMBLY - 4WD 68
FIGURE 1-27. TOW PACKAGE INSTALLATION (OPTIONAL) 70
FIGURE 1-28. TOW BAR ASSEMBLY 72

SECTION 2 - TURNTABLE 75

FIGURE 2-1. 2WD VALVES INSTALLATION - 450A TURNTABLE MOUNTED 76
FIGURE 2-2. 2WD VALVES INSTALLATION - 450AJ TURNTABLE MOUNTED 78
FIGURE 2-3. 4WD VALVES INSTALLATION - 450A TURNTABLE MOUNTED 80
FIGURE 2-4. 4WD VALVES INSTALLATION - 450AJ TURNTABLE MOUNTED 82
FIGURE 2-5. MAIN VALVE ASSEMBLY 84
FIGURE 2-6. AUXILIARY PUMP ASSEMBLY 86
FIGURE 2-7. SWING DRIVE AND TURNTABLE BEARING INSTALLATION 88
FIGURE 2-8. SWING MOTOR ASSEMBLY 90
FIGURE 2-9. TURNTABLE BEARING ASSEMBLY 92
FIGURE 2-10. TURNTABLE COVERS INSTALLATION 94
FIGURE 2-11. TURNTABLE LOCK INSTALLATION 96
FIGURE 2-12. TANKS INSTALLATION - DIESEL MACHINES (SN 0300201991 through 0300225480, SN E300002833 through E300004226) 98
FIGURE 2-13. TANKS INSTALLATION - DIESEL MACHINES (SN 0300225481 through 0300272317, SN 1300007279 through 1300007373, SN B300003516 through B300005760, SN E300004227 through E300007990) 100
FIGURE 2-14. TANKS INSTALLATION - GAS MACHINES (SN 0300201991 through 0300225480) 102
FIGURE 2-15. TANKS INSTALLATION - GAS MACHINES (SN 0300225481 through 0300272317) 104
FIGURE 2-16. DRIVE ORIENTATION INSTALLATION 106
FIGURE 2-17. GROUND CONTROL ASSEMBLY - 450A WITH DEUTZ/GM ENGINES (ANSI SPECS) 108
FIGURE 2-18. GROUND CONTROL ASSEMBLY - 450AJ WITH DEUTZ/GM ENGINES (ALL SPECS EXCEPT CE SPECS) 110
FIGURE 2-19. GROUND CONTROL ASSEMBLY - 450AJ WITH DEUTZ ENGINE (CE SPECS ONLY) 112
FIGURE 2-20. GROUND CONTROL ASSEMBLY - 450A WITH KUBOTA ENGINE (ANSI SPECS ONLY) 114
FIGURE 2-21. GROUND CONTROL ASSEMBLY - 450AJ WITH KUBOTA ENGINE (ANSI AND CSA SPECS ONLY) 116
FIGURE 2-22. ELECTRICAL SYSTEM INSTALLATION 118
FIGURE 2-23. BEACON LIGHT INSTALLATION - AMBER 122

MidWestTech | JLG 450A, 450AJ Boom Lift Parts Manual | Publication 3121660 Order the manual at mid-west-tech.com >

TABLE OF CONTENTS

FIGURE 2-24. BEACON LIGHT INSTALLATION - BLUE (SN 0300201991 through 0300202578) 124
FIGURE 2-25. BEACON LIGHT INSTALLATION - BLUE (SN 0300202579 through 0300259091, SN 1300007279 through 1300007373, SN B300003516 through B300005760, SN E300002833 through E300007540) 126
FIGURE 2-26. BEACON LIGHT INSTALLATION - BLUE (SN 0300259092 through 0300272317, SN E300007541 through E300007990) 128
FIGURE 2-27. BEACON LIGHT INSTALLATION - RED (SN 0300214537 through 0300272317, SN 1300007279 through 1300007373, SN B300003516 through B300005760, SN E300003246 through E300007540) 130
FIGURE 2-28. BEACON LIGHT INSTALLATION - RED (SN 0300259092 through 0300272317, SN E300007541 through E300007990) 132
FIGURE 2-29. BATTERY AND CABLE INSTALLATION - USA AND CHINA BUILT MACHINES 134
FIGURE 2-30. BATTERY AND CABLE INSTALLATION - ROMANIAN BUILT MACHINES 136
FIGURE 2-31. HOODS INSTALLATION - 450A WITH DEUTZ/GM ENGINES (SN 0300201991 through 0300222765) 138
FIGURE 2-32. HOODS INSTALLATION - 450A WITH DEUTZ/GM ENGINES (SN 0300222766 through 0300272317) 142
FIGURE 2-33. HOODS INSTALLATION - 450AJ WITH DEUTZ/GM/KUBOTA ENGINES (SN 0300201991 through 0300272317, SN B300003516 through B300005760, SN E300002833 through E300006670) 146
FIGURE 2-34. HOODS INSTALLATION - 450AJ WITH DEUTZ ENGINE (SN E300006671 through E300007990) 150
FIGURE 2-35. HOODS INSTALLATION - 450A WITH KUBOTA ENGINE 154
FIGURE 2-36. HOODS INSTALLATION - 450AJ WITH KUBOTA ENGINE 158
FIGURE 2-37. HOOD ASSEMBLY - TANK SIDE (SN 0300201991 through 0300272317, SN B300003516 through B300005760, SN E300002833 through E300006670) 162
FIGURE 2-38. HOOD ASSEMBLY - TANK SIDE (SN E300006671 through E300007990) 164
FIGURE 2-39. HOOD ASSEMBLY - ENGINE SIDE (SN 0300201991 through 0300272317, SN B300003516 through B300005760, SN E300002833 through E300006670) 166
FIGURE 2-40. HOOD ASSEMBLY - ENGINE SIDE (SN E30000667 through E300007990) 168
FIGURE 2-41. COVERS INSTALLATION - COUNTERWEIGHT (450AJ) (USED ON MACHINES WITH FOAM-FILLED TIRES FOR ANSI, ANSI EXPORT, CSA AND JAPANESE SPECS) 170
FIGURE 2-42. COVERS INSTALLATION - COUNTERWEIGHT (450AJ) (USED ON MACHINES WITH PNEUMATIC TIRES FOR ANSI EXPORT, AUSTRALIAN, CE AND JAPANESE SPECS) 172
FIGURE 2-43. COVERS INSTALLATION - COUNTERWEIGHT (450AJ) (USED ON MACHINES WITH TURF AND SAND TIRES FOR ANSI AND ANSI EXPORT SPECS) 174

SECTION 3 - ENGINE 177

FIGURE 3-1. ENGINE INSTALLATION - DEUTZ D2.9L4 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI, ANSI EXPORT, CSA AND JAPANESE SPECS) 178
FIGURE 3-2. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 (WITHOUT ARCTIC PACKAGE) (ANSI, ANSI EXPORT, CSA AND JAPANESE SPECS) 184
FIGURE 3-3. ENGINE ASSEMBLY - DEUTZ D2.9L4 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI, ANSI EXPORT, CSA AND JAPANESE SPECS) 186
FIGURE 3-4. ENGINE INSTALLATION - DEUTZ D2.9L4 ENGINE (WITH ARCTIC PACKAGE) (ANSI AND CSA SPECS) 192
FIGURE 3-5. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2.9L4 (WITH ARCTIC PACKAGE) (ANSI AND CSA SPECS) 198
FIGURE 3-6. ENGINE ASSEMBLY - DEUTZ D2.9L4 ENGINE (WITH ARCTIC PACKAGE) (ANSI AND CSA SPECS) 200
FIGURE 3-7. ENGINE INSTALLATION - DEUTZ D2.9L4 ENGINE (CHINA SPEC) 206
FIGURE 3-8. ENGINE ASSEMBLY - DEUTZ D2.9L4 ENGINE (CHINA SPEC) 212
FIGURE 3-9. BRACKET ASSEMBLY - FUEL PUMP AND FILTER (DEUTZ D2.9L4 ENGINE) 218
FIGURE 3-10. BREATHER HEATER INSTALLATION - DEUTZ D2.9L4 ENGINE WITH ARCTIC PACKAGE 220
FIGURE 3-11. ENGINE COMPONENTS - DEUTZ D2.9L4 ENGINE (ANSI AND CSA SPECS) 222
FIGURE 3-12. ENGINE COMPONENTS - DEUTZ D2.9L4 ENGINE (CHINA SPEC) 226
FIGURE 3-13. ENGINE INSTALLATION - DEUTZ D2011 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI EXPORT, AUSTRALIAN, CE AND CHINA SPECS) 230
FIGURE 3-14. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2011 (WITHOUT ARCTIC PACKAGE) (ANSI EXPORT, AUSTRALIAN, CE AND CHINA SPECS) 234
FIGURE 3-15. ENGINE ASSEMBLY - DEUTZ D2011 ENGINE (WITHOUT ARCTIC PACKAGE) (ANSI EXPORT, AUSTRALIAN, CE AND CHINA SPECS) 236
FIGURE 3-16. ENGINE INSTALLATION - DEUTZ D2011 ENGINE (WITH ARCTIC PACKAGE) (ANSI EXPORT AND CHINA SPECS) 240
FIGURE 3-17. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2011 (WITH ARCTIC PACKAGE) (ANSI EXPORT AND CHINA SPECS) 246
FIGURE 3-18. ENGINE ASSEMBLY - DEUTZ D2011 ENGINE (WITH ARCTIC PACKAGE) (ANSI EXPORT AND CHINA SPECS) 248
FIGURE 3-19. ENGINE COMPONENTS - DEUTZ D2011 252
FIGURE 3-20. ENGINE INSTALLATION - DEUTZ D2011 ENGINE (STAGE V) (WITHOUT ARCTIC PACKAGE) (CE SPECS) 256
FIGURE 3-21. ENGINE AND PUMP SUB-ASSEMBLY - DEUTZ D2011 (STAGE V) (WITHOUT ARCTIC PACKAGE) (CE SPECS) 260
FIGURE 3-22. ENGINE ASSEMBLY - DEUTZ D2011 ENGINE (STAGE V) (WITHOUT ARCTIC PACKAGE) (CE SPECS) 262
FIGURE 3-23. ENGINE COMPONENTS - DEUTZ D2011 (STAGE V) 266

MidWestTech | JLG 450A, 450AJ Boom Lift Parts Manual | Publication 3121660 Order the manual at mid-west-tech.com >

FIGURE 3-24. ENGINE INSTALLATION - GM ENGINE (WITHOUT ARCTIC PACKAGE) (SN 0300201991 through 0300222052) 270
FIGURE 3-25. ENGINE INSTALLATION - GM ENGINE (WITHOUT ARCTIC PACKAGE) (SN 0300222053 through 0300272317) 276
FIGURE 3-26. ENGINE AND PUMP SUB-ASSEMBLY - GM ENGINE (WITHOUT ARCTIC PACKAGE) (SN 0300201991 through 0300222052) 282
FIGURE 3-27. ENGINE AND PUMP SUB-ASSEMBLY - GM ENGINE (WITHOUT ARCTIC PACKAGE) (SN 0300222053 through 0300272317) 284
FIGURE 3-28. ENGINE ASSEMBLY - GM ENGINE (WITHOUT ARCTIC PACKAGE) (SN 0300201991 through 0300222052) 286
FIGURE 3-29. ENGINE ASSEMBLY - GM ENGINE (WITHOUT ARCTIC PACKAGE) (SN 0300222053 through 0300272317) 290
FIGURE 3-30. ENGINE INSTALLATION - GM ENGINE (WITH ARCTIC PACKAGE) (SN 0300201991 through 0300222052) 294
FIGURE 3-31. ENGINE INSTALLATION - GM ENGINE (WITH ARCTIC PACKAGE) (SN 0300222053 through 0300272317) 300
FIGURE 3-32. ENGINE AND PUMP SUB-ASSEMBLY - GM ENGINE (WITH ARCTIC PACKAGE) (SN 0300201991 through 0300222052) 306
FIGURE 3-33. ENGINE AND PUMP SUB-ASSEMBLY - GM ENGINE (WITH ARCTIC PACKAGE) (SN 0300222053 through 0300272317) 308
FIGURE 3-34. ENGINE ASSEMBLY - GM ENGINE (WITH ARCTIC PACKAGE) (SN 0300201991 through 0300222052) 310
FIGURE 3-35. ENGINE ASSEMBLY - GM ENGINE (WITH ARCTIC PACKAGE) (SN 0300222053 through 0300272317) 314
FIGURE 3-36. PUMP COUPLING KIT – DEUTZ/GM ENGINES 318
FIGURE 3-37. ENGINE INSTALLATION - KUBOTA ENGINE (WITHOUT ARCTIC PACKAGE) (SN 0300201991 through 0300241743) 320
FIGURE 3-38. ENGINE INSTALLATION - KUBOTA ENGINE (WITHOUT ARCTIC PACKAGE) (SN 0300241744 through 0300272317) 326
FIGURE 3-39. ENGINE AND PUMP SUB-ASSEMBLY - KUBOTA ENGINE (WITHOUT ARCTIC PACKAGE) (SN 0300201991 through 0300241743) 332
FIGURE 3-40. ENGINE AND PUMP SUB-ASSEMBLY - KUBOTA ENGINE (WITHOUT ARCTIC PACKAGE) (SN 0300241744 through 0300272317) 334
FIGURE 3-41. ENGINE ASSEMBLY - KUBOTA ENGINE (WITHOUT ARCTIC PACKAGE) (SN 0300201991 through 0300241743) 336
FIGURE 3-42. ENGINE ASSEMBLY - KUBOTA ENGINE (WITHOUT ARCTIC PACKAGE) (SN 0300241744 through 0300272317) 342
FIGURE 3-43. ENGINE INSTALLATION - KUBOTA ENGINE (WITH ARCTIC PACKAGE) (SN 0300201991 through 0300241743) 348
FIGURE 3-44. ENGINE INSTALLATION - KUBOTA ENGINE (WITH ARCTIC PACKAGE) (SN 0300241744 through 0300272317) 354
FIGURE 3-45. ENGINE AND PUMP SUB-ASSEMBLY - KUBOTA ENGINE (WITH ARCTIC PACKAGE) (SN 0300201991 through 0300241743) 360
FIGURE 3-46. ENGINE AND PUMP SUB-ASSEMBLY - KUBOTA ENGINE (WITH ARCTIC PACKAGE) (SN 0300241744 through 0300272317) 362
FIGURE 3-47. ENGINE ASSEMBLY - KUBOTA ENGINE (WITH ARCTIC PACKAGE) (SN 0300201991 through 0300241743) 364
FIGURE 3-48. ENGINE ASSEMBLY - KUBOTA ENGINE (WITH ARCTIC PACKAGE) (SN 0300241744 through 0300272317) 370
FIGURE 3-49. ENGINE COMPONENTS - KUBOTA (SN 0300201991 through 0300241743) 376
FIGURE 3-50. ENGINE COMPONENTS - KUBOTA (SN 0300241744 through 0300272317) 380
FIGURE 3-51. PUMP COUPLING KIT - KUBOTA ENGINE 384
FIGURE 3-52. GEAR PUMP ASSEMBLY 386
FIGURE 3-53. PISTON PUMP ASSEMBLY 388
FIGURE 3-54. SPARK ARRESTOR INSTALLATION - DEUTZ D2.9L4 ENGINE 392
FIGURE 3-55. CATALYTIC SPARK ARRESTOR INSTALLATION - DEUTZ D2011 ENGINE 394
FIGURE 3-56. SPARK ARRESTOR INSTALLATION - DEUTZ D2011 ENGINE 396
FIGURE 3-57. SPARK ARRESTOR INSTALLATION - KUBOTA ENGINE 398
FIGURE 3-58. ENGINE BAFFLE INSTALLATION - WITH DEUTZ/GM ENGINES 400
FIGURE 3-59. ENGINE BAFFLE INSTALLATION – WITH KUBOTA ENGINE 402
FIGURE 3-60. GENERATOR INSTALLATION - 2500W/50HZ (DEUTZ D2011 ENGINE) 404
FIGURE 3-61. GENERATOR INSTALLATION - 2500W/60HZ (DEUTZ D2011 ENGINE) 408
FIGURE 3-62. GENERATOR INSTALLATION - 2500W/60HZ (DEUTZ D2.9L4 ENGINE) 412
FIGURE 3-63. GENERATOR INSTALLATION - 2500W/60HZ (GM ENGINE) 416
FIGURE 3-64. GENERATOR INSTALLATION - 2500W/60HZ (KUBOTA ENGINE) 420
FIGURE 3-65. GENERATOR INSTALLATION - 4000W/50HZ (DEUTZ D2011 ENGINE) 424
FIGURE 3-66. GENERATOR INSTALLATION - 4000W/60HZ (DEUTZ D2011 ENGINE) 428
FIGURE 3-67. GENERATOR INSTALLATION - 4000W/60HZ (DEUTZ D2.9L4 ENGINE) 432
FIGURE 3-68. GENERATOR INSTALLATION - 4000W/60HZ (GM ENGINE) 436
FIGURE 3-69. GENERATOR INSTALLATION - 7500W/50HZ (DEUTZ D2011 ENGINE) 440
FIGURE 3-70. GENERATOR INSTALLATION - 7500W/60HZ (DEUTZ D2011 ENGINE) 444
FIGURE 3-71. GENERATOR INSTALLATION - 7500W/60HZ (DEUTZ D2.9L4 ENGINE) 448
FIGURE 3-72. GENERATOR INSTALLATION - 7500W/60HZ (GM ENGINE) 452
FIGURE 3-73. GENERATOR INSTALLATION - 7500W/60HZ (KUBOTA ENGINE) 456

MidWestTech | JLG 450A, 450AJ Boom Lift Parts Manual | Publication 3121660 Order the manual at mid-west-tech.com >

FIGURE 2-34. HOODS INSTALLATION - 450AJ WITH DEUTZ ENGINE (SN E300006671 through E300007990)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001241284	Ref	HOODS INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0630613	4	Bolt M10 x 30	
3	0701018	5	Bolt M10 x 50	
4	0760810	8	Bolt M8 x 20	
5	0760812	11	Bolt M8 x 25	
6	0760814	4	Bolt M8 x 30	
7	0761014	14	Bolt M10 x 30	
8	0761214	6	Bolt M12 x 30	
9	0940049	2	Bumper	
10	0940071	3	Bumper	
11	1701691	2	Decal - No Step	
12	3290805	10	Nut M8	
13	3291005	14	Nut M10	
14	3311501	6	Nut 5/16	
15	3311601	3	Nut 3/8	
16	4160182	1	Spring, Gas	
17	4711500	2	Washer 5/16	
18	4811900	33	Washer M8	
19	4812000	16	Washer M10	
20	4812002	14	Washer M10	
21	4812100	2	Washer M12	
22	4812102	4	Washer M12	
23	5251014	8	Bolt M10 x 30	
24	8310686	2	Nut, Retainer M8	
25	88662523	3	Nut, Tinnerman	
26	1001118274	3	Nut M8	
27	1001167149	1	Panel, Filler	
28	1001167159	1	Mount	
29	1001167163	1	Tray	
30	1001167169	1	Mount	
31	1001169046	4	Nut	
32	1001170018	1	Mount	
33	1001170022	1	Mount	
34	1001170859	1	Mount	
35	1001171216	1	Cover	
36	1001179904	1	Mount	
37	1001182169	1	Spring, Gas	
38	1001182875	1	Mount	
39	1001182877	1	Mount	
40	1001182879	1	Mount	
41	1001191832	4	Rivnut M8	
42	1001211716	1	Support, Hood	
43	1001211717	1	Panel, Filler	
44	1001223777	1	Support	
45	1001233899	1	Pipe, Exhaust	
100	1001241289	Ref	Hood Kit (Includes Items 101-103)	
101	1001241295	1	Hood Assembly - Engine Side (See Separate Breakdown in this Section)	

MidWestTech | JLG 450A, 450AJ Boom Lift Parts Manual | Publication 3121660 Order the manual at mid-west-tech.com >

FIGURE 3-29. ENGINE ASSEMBLY - GM ENGINE (WITHOUT ARCTIC PACKAGE) (SN 0300222053 through 0300272317)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001216222	Ref	ENGINE ASSEMBLY - GM ENGINE (WITHOUT ARCTIC PACKAGE)	C
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0100081	AR	Adhesive	
6	0711221	4	Bolt, M12 x 65mm Grade 10.9	
7	0760808	8	Bolt, M8 x 16mm	
8	0760812	6	Bolt, M8 x 25mm	
9	0760815	2	Bolt, M8 x 35mm	
10	0761015	5	Bolt, M10 x 35mm	
11	0761016	4	Bolt, M10 x 40mm	
12	0961951	2	Bushing	
13	1580011	1	Container, Coolant Overflow	
14	1703162	2	Decal - Caution Fan	
15	2180877	1	Fitting, Barbed 90	
16	2220315	1	Fitting, Barbed	
17	2720271	38.5 in/ 97.8cm	Hose	
18	2300004	2.7 gal/ 10.2L	Coolant, Anti-Freeze	
19	3200406	4	Mount, Rubber	
20	3290607	2	Nut, Lock M6 x 1	
21	3290805	16	Nut, Lock M8 x 1.25	
22	3291001	4	Nut, Lock M10 x 1.5	
23	3291005	5	Nut, Lock M10 x 1.5	
24	3331211	4	Nut, Lock M12 x 1.75	
25	4060805	2.3 ft /0.7m	Trim, Flex Shield	
26	4240099	AR	Tie-Strap	
27	4640952	1	Valve, Oil Drain	
28	4740274	4	Washer, Snubbing	
29	4811700	4	Washer, M6	
30	4811900	44	Washer, M8	
31	4812000	14	Washer, M10	
34	4920385	10 ft/3.0m	Wire, Safety	
35	5241200	4	Washer, M12 Hardened	
36	5271809	4	Bolt, M8 x 25mm	
37	8305401	2	Nut, Jam .250-20	
38	8307109	2	Washer, .250	
39	8310548	2	Screw, 1/4 NC x 1/2	
40	8405009	4	Clamp	
41	8405103	1	Clamp	
42	8405201	3	Clamp	
43	8405203	2	Clamp	
44	8406109	2	Clip	
45	8410009	2	Clamp	
47	1001091794	1	Insulation, Muffler	
48	1001091892	8 in /20cm	Hose	
49	1001190775	4.5 qt/ 4.3L	Oil, Engine	

MidWestTech | JLG 450A, 450AJ Boom Lift Parts Manual | Publication 3121660 Order the manual at mid-west-tech.com >

FIGURE 8-1. ELECTRICAL DIAGRAM LIST

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**Note: Diagrams not shown are available from the JLG Service Department. Schematics shown in the Service and Maintenance Manual.**	
		Ref	ELECTRICAL DIAGRAM LIST	
	1001157930	Ref	Electrical Schematic - 450AJ	
	1001188731	Ref	Generator Electrical Diagram - 2500W Generator - 60Hz	
	1001188732	Ref	Generator Electrical Diagram - 2500W Generator - 50Hz	
	1001175632	Ref	Generator Electrical Diagram - 4000W Generator - 50Hz (ANSI Export, CE and China Specs)	
	1001175634	Ref	Generator Electrical Diagram - 4000W Generator - 50Hz (Australian Specs)	
	1001175633	Ref	Generator Electrical Diagram - 4000W Generator - 50Hz (UK Specs)	
	1001175631	Ref	Generator Electrical Diagram - 4000W Generator - 60Hz (ANSI, ANSI Export and CSA Specs)	
	1001174675	Ref	Generator Electrical Diagram - 7500W SkyPower Generator	
	4933218	Ref	Soft Touch Electrical Diagram **(SN 0300201991 through 0300211835)**	

MidWestTech | JLG 450A, 450AJ Boom Lift Parts Manual | Publication 3121660 Order the manual at mid-west-tech.com >