

PARTS MANUAL

ARTICULATING BOOMS

MODELS SJ46AJ SJ51AJ

166873AI July 2024

SKYJACK

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Table of Contents

1.0 PLATFORM RELATED PARTS

1.1 Platform 8
1.2 Railings 10
1.3 Swing Gate 14
1.4 Drop Gate 16
1.5 Platform Base Assembly 17
1.6 Load Cell (CE & AS) 18
1.7 Footswitch 19
1.8 Platform Control Console 20
1.9 Boom / Turret Controller Assembly (Dual Axis) 24
1.10 Drive / Steer Controller Assembly (Single Axis) 26
1.11 Riser Boom Controller Assembly (Single Axis) 28
1.12 Platform Terminal Strip 29

2.0 BOOM RELATED PARTS

2.1 Main Boom Assembly 32
2.2 Main & Riser Boom Limit Switches 34
2.3 Fly Boom Assembly 35
2.4 Riser Boom Assembly 36
2.5 Power Track Carrier Assembly 40
2.6 Jib Boom Assembly 42
2.7 Jib Lift / Platform Rotate Valve Assemblies 44
2.8 Rotary Actuator 46

3.0 CYLINDER RELATED PARTS

3.1 Fly Boom Extension Cylinder Assembly 48
3.2 Main Boom Lift Cylinder Assembly 50
3.3 Riser Lift Assembly 51
3.4 Riser Cylinder Assembly 52
3.5 Master Cylinder Assembly 53
3.6 Slave Cylinder Assembly 54
3.7 Jib Cylinder Assembly 55
3.8 Axle Lock Cylinder Assembly 56

4.0 TURRET RELATED PARTS

4.1 Turret Assembly 58
4.2 Cowling Assembly - Engine Side 60
4.3 Cowling Assembly - Controls Side 62
4.4 Counterweight Assembly 64
4.5 Engine Tray Assembly 66
4.6 Main Manifold Assembly 68
4.7 Brake Manifold Assembly 72
4.8 Rotary Manifold Assembly 74
4.9 Turret Swing Drive Assembly 76
4.10 Fuel Tank Assembly (Deutz D2.9L Engine) 77
4.11 Fuel Tank Assembly (Deutz D2011 Engine) 78
4.12 Fuel Tank Assembly (GM Dual Fuel Engine) 80
4.13 Hydraulic Tank Assembly 82
4.14 High Pressure Filter Assembly 84
4.15 Grease Line Hose Assembly 85
4.16 Emergency Power Unit 86
4.17 Battery Assembly (Deutz D2.9L) 87
4.18 Battery Assembly (GM & Deutz D2011) 88
4.19 Base Control Console Assembly (Deutz D2.9L) 90

MidWestTech | Skyjack SJ46AJ, SJ51AJ Articulating Boom Lift Parts Manual | Publication... Order the manual at mid-west-tech.com >

Table of Contents

4.20 Base Control Console Assembly (Deutz D2011) 92
4.21 Base Control Console Assembly (GM) 96
4.22 Base Terminal Strip - Deutz D2.9L 100
4.23 Base Terminal Strip - GM & Deutz D2011 101

5.0 ELECTRICAL HARNESS RELATED PARTS

5.1 Main Electrical Harness and Fuel Level Switch Harness 104
5.2 Cable Harnesses 106
5.3 Control Cable Harnesses 108
5.4 Valve Harnesses 109
5.5 110/220V Outlet Assembly 110
5.6 Glow Plug Harness (Deutz D2.9L Diesel Engine) 111
5.7 ECU Harnesses (Deutz D2011 Engine) 112
5.8 Engine Interface Harness (GM Dual Fuel Engine) 113
5.9 Engine Interface Harness (Deutz D2.9L) 114

6.0 BASE RELATED PARTS

6.1 Base Assembly 118
6.2 Axle Assembly Hardware 119
6.3 Rear Axle Assembly with Gear Box 120
6.4 Differential Assembly - Rear Axle Assembly with Gear Box 122
6.5 Brakes Assembly - Rear Axle 124
6.6 Central Housing Assembly - Rear Axle Assembly with Gear Box 126
6.7 Gear Box - Rear Axle 128
6.8 Hydraulic Drive Motor 130
6.9 Front Axle Assembly 132
6.10 Differential Assembly - Front Axle 134
6.11 Central Housing Assembly - Front Axle 136
6.12 Steering Assembly 137
6.13 Trunnion Assembly - Front Axle 138
6.14 Axle Drive Shaft (4WD) 139
6.15 Propane Tank Assembly 140
6.16 Tires 142

7.0 ENGINE RELATED PARTS

7.1 Engine Assembly (Deutz D2.9L) 146
7.2 Engine Assembly (Deutz D2011) 152
7.3 Engine Coupling Assembly 157
7.4 Engine Assembly (GM Dual Fuel) 158
7.5 Drive and System Pump Assembly 164
7.6 Drive and System Pump Assembly (with Welder Option) 166

8.0 HOSE CONNECTION RELATED PARTS

8.1 Standard Hose Numbering System 170
8.2 Hydraulic Hose Connection - Boom Cylinders 172
8.3 Hydraulic Hose Connection - Control Compartment 174
8.4 Hydraulic Hose Connection - Engine Compartment 176
8.5 Fuel Line Hose Connection - Deutz D2.9L 178
8.6 Fuel Line Hose Connection - Deutz D2011 180
8.7 Fuel Line Hose Connection - GM Dual Fuel Engine 182
8.8 Hydraulic Hose Connection - Base and Axles 184

9.0 OPTIONAL EQUIPMENT

9.1 All Motion Alarm Assembly 188
9.2 Air Hose To Platform Option 189
9.3 Flashing Amber Light Option 190

MidWestTech | Skyjack SJ46AJ, SJ51AJ Articulating Boom Lift Parts Manual | Publication... Order the manual at mid-west-tech.com >

Table of Contents

9.4 External Platform Railing Assembly 191
9.5 Cold Start Option - ANSI/CSA 192
9.6 Arctic Package Option - Deutz D2.9L Engine (ANSI/CSA) 193
9.7 Arctic Package Option - Deutz D2011 Engine (ANSI/CSA) 194
9.8 Arctic Package Option - GM Dual Fuel Engine (ANSI/CSA) 195
9.9 Cold & Arctic Package Load Circuit - Deutz D2.9L 196
9.10 Welder Option (SJ 46AJ) 198
9.11 Generator with Oil Cooler Option -12kW (SJ 46AJ with Welder Option) 202
9.12 Circuit Breaker Assembly - 12kW Generator 204
9.13 12kW Generator Wiring 206
9.14 Hydraulic Hose Connections - 12kW Generator & Oil Cooler (SJ 46AJ) 208
9.15 Generator with Oil Cooler Option - 3500W (SJ46AJ) 210
9.16 Diesel Scrubber Option 212
9.17 Hydraulic Hose Connection - Generator (SJ 46AJ) 213
9.18 Generator with Oil Cooler Option - 3500W (SJ51AJ) 214
9.19 Hydraulic Hose Connection - 3500W Generator (SJ 51AJ) 216
9.20 Generator Wiring (3500W) 217
9.21 Oil Cooler Wiring 218
9.22 Glazier Package Assembly 220
9.23 SGM Assembly 222
9.24 SGE Assembly 224

10.0 LABELS

10.1 Label Kits 229
10.2 Labels - Platform Control Console 230
10.3 Labels - Front and Back 231
10.4 Labels - Engine Side 232
10.5 Labels - Controls Side 234
10.6 Labels - Controls Compartment 236
10.7 Labels - Engine Compartment 237
10.8 Labels - Operator Platform 238
10.9 Labels - Fuel 240

11.0 TABLES

11.1 Boom Fluids Table 242
11.2 Boom Grease Locations - Axle Grease Table 243
11.3 Boom Grease Locations - Gear Grease Table 244

MidWestTech | Skyjack SJ46AJ, SJ51AJ Articulating Boom Lift Parts Manual | Publication... Order the manual at mid-west-tech.com >

Index No.	Skyjack Part No.	Qty.	Description
			Parts list continued from the previous page.
28	(Ref.)	-	• CONTROLLER, Boom / Turret Controller (Dual Axis) (For components, refer to Section 1.9)
29	(Ref.)	-	• CONTROLLER, HMS7 without rocker (Single Axis) (For components, refer to Section 1.11)
30	(Ref.)	-	• CONTROLLER, Drive / Steer (Single Axis) (For components, refer to Section 1.10)
31	139127	2	• PLUG (1/2")
32	138278	4	• SWITCH, Toggle, B, C
		5	• SWITCH, Toggle, A, D
33	144016	8	• PANEL BUSHING SEAL,
		9	• PANEL BUSHING SEAL, A, B, C
		10	• PANEL BUSHING SEAL, D
34	124446	1	• SWITCH, Toggle
35	(Ref.)	1	• BASE ASSEMBLY SWITCH, (2NC/LED RED)
	147056	1	• • LATCH, Mounting
	147053	2	• • BLOCK, NC Contact
	147229	1	• • SWITCH, LED Block (Red)
36	147051	1	• SWITCH HEAD, Emergency stop
37	138229	1	• MODULE, Upper indicating
	139203	6	• • BULB, 12V
38	(Ref.)	1	• BASE ASSEMBLY SWITCH, (NO)
	147056	1	• • LATCH, Mounting
	147054	1	• • BLOCK, NO Contact
39	147058	1	• SWITCH HEAD, Horn pushbutton
40	115747	1	• SWITCH, Toggle
41	115574	1	• SWITCH, Toggle, A, B, C
		2	• SWITCH, Toggle, D
42	138279	1	• SWITCH, Toggle, B, C
43	103855	2	• BOLT, Hex head (1/4"-20 x 1/2" Grade 5)
44	103995	2	• WASHER, Flat (1/4")
45	149402	1	• HANDREST
46	148971	1	• LIGHT, Pilot (Amber)
47	148988	1	• SWITCH, Toggle
48	103856	4	BOLT, Hex head (1/4"-20 x 0.75", Grade 5)
49	103995	8	WASHER, Flat (1/4")
50	115649	4	NUT, Hex lock (1/4"-20 Grade 5, nylon)

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Index No.	Skyjack Part No.	Qty.	Description
3	(Ref.)	1	• CATALYST MUFFLER ASSEMBLY
	152189	1	• • FLANGE, Exhaust
	152190	1	• • GASKET, Exhaust
	159091	1	• • MUFFLER, Catalyst (3.0L)
	152192	1	• • FLANGE, Hi-temp exhaust (2.5"OD)
	152193	1	• • FLANGE, Hi-temp exhaust (2.0"OD)
	152194	1	• • SEAL, Hi-temp exhaust (2.5"OD)
	152195	1	• • SEAL, Hi-temp exhaust (2"ID)
	152196	1	• • BRACKET, Catalyst muffler
	152197	2	• • BRACKET, Side Catalyst muffler
	152198	1	• • TUBE, Exhaust
	152210	2	• • BOLT, Hex head (5/16"-18 x 1", Grade 5)
	103473	10	• • BOLT, Hex head (3/8"-16 x 1" Grade 5)
	103870	7	• • BOLT, Hex head (3/8"-16 x 1 1/2" Grade 5)
	103404	2	• • WASHER, Lock (5/16")
	103999	10	• • WASHER, Lock (3/8")
	103996	2	• • WASHER, Flat (5/16")
	103472	7	• • WASHER, Flat (3/8")
	152200	10	• • WASHER, Flat (3/8", USS)
	103978	10	• • NUT (3/8"-16)
4	161322	1	STACK, Exhaust
5	116997	9	BOLT, Hex head (1/2"-13 x 1 3/4" Grade 5)
6	103909	4	BOLT, Hex head (1/2"-13 x 1 1/4" Grade 5)
7	104379	5	WASHER, Flat hardened (1/2")
8	103470	9	WASHER, Lock (1/2", Grade 5)
9	103471	4	NUT, Hex head (1/2"-13, Grade 5)
10	149496	9	NUT, Speed clip (1/4"-20 x 1/5" depth)
11	149198	1	PLATE, Baffle
12	149357	75"	SEAL, Bulb
13	103892	9	BOLT, Hex head (1/4"-20 x 5/8" Grade 5)
14	103995	13	WASHER, Flat (1/4")
15	127284	2	BOLT, Hex head (1/4"-20 x 2 1/2" Grade 5)
16	115649	4	NUT, Hex lock (1/4"-20 Grade 5, nylon)
17	138464	1	BOLT, Hex head (3/8"-16 x 5/8" Grade 5)
18	125959	1	WASHER, Flat hardened (3/8")
19	152556	1	SHROUD, Under radiator (GM)
20	152416	2	WASHER, Rubber (1x 3/7 x 1/8 TK)
21	104606	2	NUT, Hex lock (3/8"-16 Grade 5, nylon)
22	152486	1	PLATE, Turret cover (GM)
23	101297	4	BOLT, Hex head (3/8"-16 x 1 1/4" Grade 5)
24	103472	4	WASHER, Flat (3/8")
25	103999	3	WASHER, Lock (3/8")
26	104000	9	WASHER, Lock (1/2")
27	127067	2	WASHER, Flat (3/8", style BB)

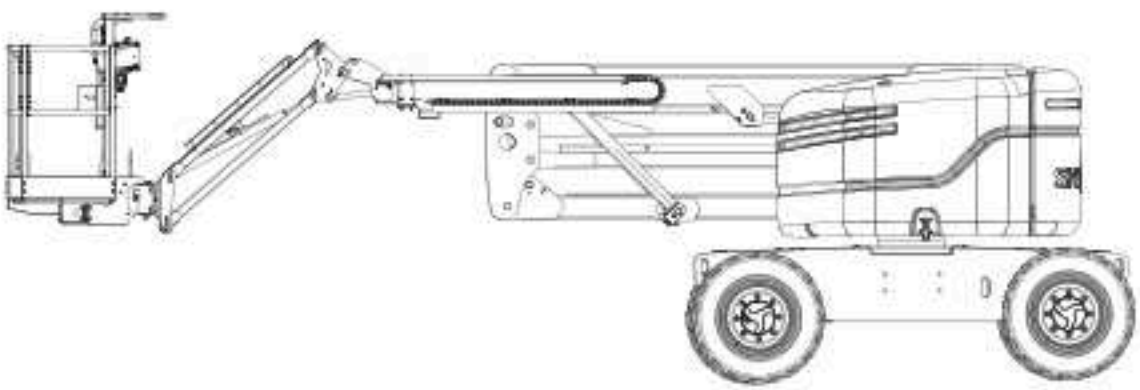
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Index No.	Skyjack Part No.	Qty.	Description
A	-	-	For machines with serial number 95,000,687 & above
B	-	-	For machines with serial number 95,000,686 & below
1	137988	1	LABEL, Crush/Pinch point
2	147111	1	LABEL, Transportation tie down points (CE&AS)
3	139314	3	LABEL, Body crush
4	156613	1	LABEL, Do not alter
5	164785	1	LABEL, SJ46AJ (18") (Not included in kit), A
	164780	1	LABEL, SJ51AJ (18") (Not included in kit), A
	159660	1	LABEL, Skyjack SJ46AJ Boom (Not included in kit), B
	159663	1	LABEL, Skyjack SJ51AJ Boom (Not included in kit), B
6	158555	1	LABEL, Skyjack logo (29")
7	164637	1	LABEL, SJ46AJ (12") (Not included in kit), A
	164632	1	LABEL, SJ51AJ (12") (Not included in kit), A
	159659	1	LABEL, SJ46AJ Boom (Not included in kit), B
	159662	1	LABEL, SJ51AJ Boom (Not included in kit), B
8	158554	1	LABEL, Skyjack logo
9	124767	2	LABEL, Tie down/lift lugs
10	124631	2	LABEL, Wheel info
11	145990	2	LABEL, Wheel load 3530 kg/7775 lb (Model 46AJ) (Not included in kit)
	152491	2	LABEL, Wheel load 3842 kg/8470 lb (Model 51AJ) (Not included in kit)
12	402156	2	LABEL, Tire pressure (80 psi) (Not included in kit)
	142125	2	LABEL, Tire pressure (65 psi) (Not included in kit)
	144310	2	LABEL, Tire pressure (50 psi) (High flotation tires) (Not included in kit)
	142384	2	LABEL, Foam filled tire (Not included in kit)
13	117023	1	LABEL, "CE" mark (CE)
14	128226	1	LABEL, Sound power level (CE&AS)

(To order a complete label kit, refer to Section 10.1)

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Label Kits			
MODELS	ANSI/CSA	CE	AS
	Part # 166309	Part # 166310	Part # 166311
SJ 46AJ	95,000,657 & Above	95,000,657 & Above	95,000,657 & Above
SJ 51AJ	Not Used	95,000,657 & Above	95,000,657 & Above



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Fitting Arrangement Schedule (Continued from the previous page)

HOSE PREFIX	HOSE END FITTING	HOSE END FITTING	S.A.E. HOSE SPECIFICATION
H16	NO FITTING	NO FITTING	100R4
H17	NO FITTING	NO FITTING	300 PSI
H18	REUSABLE, FEMALE, 37º JIC, SWIVEL	NO FITTING	300 PSI
H19	LONG 90º, FEMALE, 37º JIC, SWIVEL	FEMALE, 37º JIC, SWIVEL	100R13
H20	FEMALE, SHORT 37º JIC, SWIVEL	SHORT 90º, FEMALE, 37º JIC, SWIVEL	100R4
H21	FEMALE, SHORT 37º JIC, SWIVEL	SHORT 90º, FEMALE, 37º JIC, SWIVEL	100R2AT
H22	FEMALE, 37º JIC, SWIVEL	FEMALE, 37º JIC, SWIVEL	100R2AT
H23	FEMALE, LONG 37º JIC, SWIVEL	LONG 90º, FEMALE, 37º JIC, SWIVEL	100R2AT
H24	FEMALE, SHORT 37º JIC, SWIVEL	SHORT 90º, FEMALE, 37º JIC, SWIVEL	100R13
H25	FEMALE, 37º JIC, SWIVEL	FEMALE, 37º JIC, SWIVEL	100R4
H26	SHORT 90º, FEMALE, 37º JIC, SWIVEL	FEMALE, 37º JIC, SWIVEL	100R17
H27	LONG 90º, FEMALE, 37º JIC, SWIVEL	FEMALE, 37º JIC, SWIVEL	100R17
H28	FEMALE, 37º JIC, SWIVEL	FEMALE, 37º JIC, SWIVEL	100R17
H29	SHORT 45º, FEMALE, 37º JIC, SWIVEL	FEMALE, 37º JIC, SWIVEL	100R17
H30	MEDIUM 90º, FEMALE, 37º JIC, SWIVEL	FEMALE, 37º JIC, SWIVEL	100R17
H31	FEMALE, 37º JIC, SWIVEL	FEMALE, 37º JIC, SWIVEL	100R17
H32	SHORT 45º, FEMALE, 37º JIC, SWIVEL	FEMALE, 37º JIC, SWIVEL	100R17
H33	MEDIUM 45º, FEMALE, 37º JIC, SWIVEL	FEMALE, 37º JIC, SWIVEL	100R17
H34	SHORT 90º, FEMALE, 37º JIC, SWIVEL	FEMALE, 37º JIC, SWIVEL	100R17
H35	MEDIUM 90º, FEMALE, 37º JIC, SWIVEL	FEMALE, 37º JIC, SWIVEL	100R17
H36	LONG 90º, FEMALE, 37º JIC, SWIVEL	FEMALE, 37º JIC, SWIVEL	100R17
H37	SHORT 45º, FEMALE, 37º JIC, SWIVEL	FEMALE, 37º JIC, SWIVEL	100R4
H38	SHORT 90º, FEMALE, 37º JIC, SWIVEL	FEMALE, 37º JIC, SWIVEL	100R4
H39	LONG 90º, FEMALE, 37º JIC, SWIVEL	FEMALE, 37º JIC, SWIVEL	100R4
H40	SHORT 90º, FEMALE, 37º JIC, SWIVEL	FEMALE, 37º JIC, SWIVEL	100R16
H43	FEMALE, 37º JIC, SWIVEL	FEMALE, 37º JIC, SWIVEL	100R16
H51	FEMALE, 37º JIC, SWIVEL	FEMALE, 37º JIC, SWIVEL	100R17
H52	SHORT 45º, FEMALE, 37º JIC, SWIVEL	FEMALE, 37º JIC, SWIVEL	100R17
H53	MEDIUM 45º, FEMALE, 37º JIC, SWIVEL	FEMALE, 37º JIC, SWIVEL	100R17
H54	SHORT 90º, FEMALE, 37º JIC, SWIVEL	FEMALE, 37º JIC, SWIVEL	100R17
H55	MEDIUM 90º, FEMALE, 37º JIC, SWIVEL	FEMALE, 37º JIC, SWIVEL	100R17
H56	LONG 90º, FEMALE, 37º JIC, SWIVEL	FEMALE, 37º JIC, SWIVEL	100R17

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