

PARTS MANUAL

ARTICULATING BOOMS

MODELS SJ46AJ SJ51AJ

163265AG July 2024

SKYJACK

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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 1.7)
29	(Ref.)	-	• CONTROLLER, HMS7 without rocker (Single Axis) (For components, refer to Section 1.9)
30	(Ref.)	-	• CONTROLLER, Drive / Steer (Single Axis) (For components, refer to Section 1.8)
32	138278	4	• SWITCH, Toggle, B
		5	• SWITCH, Toggle, A, D
33	144016	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	144647	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	103024	1	• CLIP, Single (G8)

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Index No.	Skyjack Part No.	Qty.	Description
-	149348	-	BASE CONTROL CONSOLE ASSEMBLY (ANSI/CSA, SJ 46AJ - GM)
1	149278	1	• CONTROL BOX
	149437	1	• • FASTENER, Door
	138715	1	• • RETAINER, Door fastener
2	(Ref.)	-	• TERMINAL STRIP, Base (For components, refer to Section 4.21)
3	127131	8	• RELAY, (12V 40 AMP)
4	138749	11	• SOCKET, Automotive relay
5	104003	6	• NUT, Hex head (#10-32)
6	104694	6	• WASHER, Flat (#10)
7	149426	1	• ANGLE TRANSDUCER
8	103957	14	• SCREW, Round head machine (#8-32 x 1/2")
9	138765	16	• NUT, Hex lock (#8-32 Grade 5, nylon)
10	138751	3	• HOUSING, Open bottom 24 pin levered
11	138756	2	• SOCKET, 24 Pin spring (16A)
12	138755	1	• PLUG, 24 Pin spring (16A)
13	103056	1	• BEEPER (7.5 - 16 VDC)
14	116266	4	• CONNECTOR, Heyco liquid tight
15	131938	1	• PLUG (1 1/8")
16	117325	3	• CIRCUIT BREAKER (15 AMP)
17	102853	5	• SWITCH, Toggle
18	103336	1	• HOUR METER
19	138277	1	• KEYSWITCH (3-position)
	138137	1	• • KEY (#455)
	138136	1	• • NUT, Key switch
20	138767	1	• WASHER, Internal tooth (7/8", zinc)
21	144652	1	• SWITCH, Emergency stop red
22	(Ref.)	-	• SWITCH, Base assembly (NC/LED red)
	147056	1	• • LATCH, Mounting
	147053	1	• • BLOCK, NC Contact
	147229	1	• • SWITCH, LED block
23	148971	1	• LIGHT, Pilot (Amber)
24	139127	2	• PLUG (1/2")
25	138278	3	• SWITCH, Toggle
26	126499	2	• SCREW, Round head machine (#8-32 x 7/8")
27	146652	1	• HORN (12V)
28	149056	1	BRACKET, Base control mounting
29	103995	4	WASHER, Flat (1/4")
30	115649	5	NUT, Hex lock (1/4"-16 Grade 5, nylon)
31	103473	3	BOLT, Hex head (3/8"-16 x 1", Grade 5)
32	125959	3	WASHER, Flat hardened (3/8")
33	(Ref.)	-	CONTROL CABLE HARNESS (Male End) (For components, refer to Section 5.3)
34	(Ref.)	-	CONTROL CABLE HARNESS (Female End) (For components, refer to Section 5.3)
35	(Ref.)	-	MAIN ELECTRICAL HARNESS (For components, refer to Section 5.1)

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Index No.	Skyjack Part No.	Qty.	Description
-	148916	-	REAR AXLE ASSEMBLY (with gear box)
1	141078	2	• CASE, Axle
2	141079	32	• BOLT
3	141082	2	• SEAL
4	141018	2	• SEAL
5	141019	4	• BEARING
6	141021	16	• STUD, Wheel
7	141020	2	• HUB, Wheel
8	140970	2	• O-RING
9	154590	16	• NUT
10	140969	4	• PLUG
11	141033	4	• BOLT, Countersunk
12	141081	2	• PLATE, Locking
13	141027	16	• NUT
14	141026	16	• STUD
15	140968	2	• PLUG, Magnet
16	141080	2	• SHAFT, Half
-	(Ref.)	-	• DIFFERENTIAL ASSEMBLY (For components, refer to Section 6.4)
-	(Ref.)	-	• BRAKES - REAR AXLE (For components, refer to Section 6.5)
-	(Ref.)	-	• CENTRAL HOUSING ASSEMBLY (For components, refer to Section 6.6)
K1	141042	2	KIT, Ring gear support
K2	141034	2	KIT, Planet gear carrier

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10.1 Label Kits

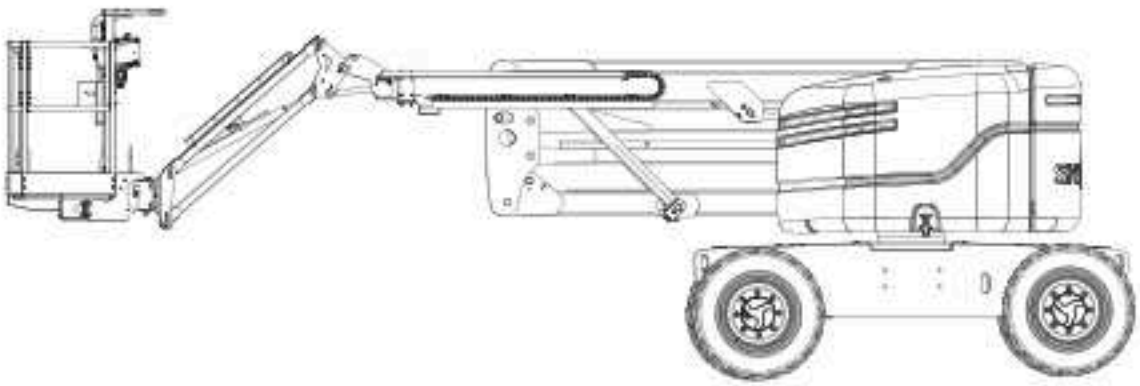
The following label kits are for models 46AJ and 51AJ. It contains labels that are common to both machines.

It excludes:

- Serial numbers
- Platform capacities
- Model designations
- Control consoles

Supply model number, country and language when ordering complete machine labels.

Label Kits			
MODELS	ANSI/CSA	CE	AS
	Part # 160628	Part # 160629	Part # 160630
SJ 46AJ	95,000,510 & Above	95,000,510 & Above	95,000,510 & Above
SJ 51AJ	Not Used	95,000,510 & Above	95,000,510 & 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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