

PARTS MANUAL

ARTICULATING BOOMS

MODELS SJ46AJ SJ51AJ

168893AH July 2024

SKYJACK

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Index No.	Skyjack Part No.	Qty.	Description
-	167645	1	JIB BOOM ASSEMBLY
1	(Ref.)	1	• JIB CYLINDER ASSEMBLY (For components, refer to Section 3.7)
2	148876	1	• BRACKET, Jib mount
3	148881	1	• WELDMENT, Lower arm
4	167648	1	• WELDMENT, Upper arm
5	148891	1	• COVER, Hose
6	167659	1	• BRACKET, Platform mount
7	146897	6	• KEEPER PIN (3/8")
8	148890	6	• PIN (1 1/4" diameter x 10 3/16")
9	143987	2	• CLAMP (2 1/2")
10	148847	8	• BUSHING (1 1/4" ID x 1")
11	125262	8	• BUSHING (1 1/4" ID x 1 1/2")
12	148920	2	• SPACER
13	148936	1	• PAD, Wear
14	148943	6	• BOLT, Hex head patch (5/16"-18 x 1" Grade 8)
15	103996	8	• WASHER, Flat (5/16")
16	300064	2	• SCREW, Button head cap (5/16"-18 x 3/4")
17	103984	2	• NUT, Hex lock (5/16"-18 Grade 5, nylon)
18	103856	4	• BOLT, Hex head (1/4"-20 x 3/4" Grade 5)
19	103995	4	• WASHER, Flat (1/4")

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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	149496	9	NUT, Speed clip (1/4"-20 x 1/5" depth)
5	103995	17	WASHER, Flat (1/4")
6	103892	9	BOLT, Hex head (1/4"-20 x 5/8" Grade 5)
7	104379	13	WASHER, Flat hardened (1/2")
8	103470	1	WASHER, Lock (1/2", Grade 5)
9	116997	1	BOLT, Hex head (1/2"-13 x 1 3/4" Grade 5)
10	103909	4	BOLT, Hex head (1/2"-13 x 1 1/4" Grade 5)
11	103471	4	NUT, Hex head (1/2"-13, Grade 5)
12	149198	1	PLATE, Baffle
13	149357	75"	SEAL, Bulb
14	115649	4	NUT, Hex lock (1/4"-20 Grade 5, nylon)
15	125959	1	WASHER, Flat hardened (3/8")
16	138464	1	BOLT, Hex head (3/8"-16 x 5/8" Grade 5)
17	152556	1	SHROUD, Under radiator (GM)
18	152416	2	WASHER, Rubber (1x 3/7 x 1/8 TK)
19	104606	2	NUT, Hex lock (3/8"-16 Grade 5, nylon)
20	101297	2	BOLT, Hex head (3/8"-16 x 1 1/4" Grade 5)
21	103472	2	WASHER, Flat (3/8")
22	103999	1	WASHER, Lock (3/8")
23	104000	9	WASHER, Lock (1/2")
24	127067	2	WASHER, Flat (3/8", style BB)
25	152555	1	HOSE, Air intake
26	118367	1	NUT, Hex (M4-0.7 DIN934)
27	133872	1	NUT, Hex (M5-0.8 DIN934)

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Index No.	Skyjack Part No.	Qty.	Description
-	167813	1	GENERATOR & OIL COOLER ASSEMBLY - 3.5 kW (SJ51AJ CE)
1	160852	1	• GENERATOR (3.5kW - 50Hz AC)
2	(Ref.)	1	• DRIVE/SYSTEM PUMP (For components, refer to Section 7.5)
3	(Ref.)	1	• GENERATOR WIRING - 3.5kW (not shown) (For components, refer to Section 9.16)
-	167814	1	• OIL COOLER ASSEMBLY
4	160800	1	• • OIL COOLER, 12V DC
	169245	1	• • • THERMOSTAT, Oil cooler
5	166788	1	• • MOUNT, Oil Cooler angle
6	167817	1	• • MOUNT, Oil Cooler LH
7	167816	1	• • MOUNT, Oil Cooler RH
8	106447	2	• • BOLT, Hex head (0.50"-13 x 2.25" Grade 8)
9	703284	1	• • FITTING, Elbow 90° (12 JICM -12 JICFSW)
10	139007	2	• • BOLT, Hex head (0.50"-13 x 2.00" Grade 8)
11	105445	2	• • FITTING, Elbow 90° (12 JICM - 12 ORBM)
12	103870	4	• • BOLT, Hex head (0.375"-16 x 1.50" Grade 5)
13	101297	4	• • BOLT, Hex head (0.375"-16 x 1.25" Grade 5)
14	702507	4	• • NUT, Hex head nylon lock (0.50"-13 Grade 5)
15	104606	8	• • NUT, Hex head nylon lock (0.375"-16 Grade 5)
16	104379	8	• • WASHER, Flat hardened (0.50")
17	103472	16	• • WASHER, Flat (0.375")
18	(Ref.)	1	• OIL COOLER WIRING (not shown) (For components, refer to Section 9.12)
19	(Ref.)	1	• GENERATOR HOSE KIT (For components, refer to Section 9.15)
20	(Ref.)	1	• UPPER CONTRL BOX WIRING - 3.5kW generator (not shown) (For components, refer to Section 9.16)
21	152593	1	• PAD, Wear (5.00" X 4.00" X 3.329")
22	166735	1	• PLATE, Generator mount
23	135061	1	• FITTING, Branch tee (08 JICM - 08 JICM - 08 ORBM)
24	110498	1	• FITTING, Straight (08 JICM - 06 ORBM)
25	703412	1	• FITTING, Straight (12 JICF - 08 JICM)
26	703284	1	• FITTING, Elbow 90° (12 JICM -12 JICFSW)
27	106049	2	• BOLT, Carriage (0.313"-18 x 1.25" Grade 5)
28	103996	2	• WASHER, Flat (0.312")
29	103984	2	• NUT, Hex head nylon lock (0.313"-18 Grade 5)
30	103472	13	• WASHER, Flat (0.375")
31	103870	4	• BOLT, Hex head (0.375"-16 x 1.50" Grade 5)
32	112366	2	• FITTING, Elbow 90° (08 JICM - 12 ORBM)
33	103596	4	• BOLT, Hex head (0.375"-16 x 2.00" Grade 5)
34	703413	1	• FITTING, Tee (12 JICM - 12 JICM - 12 JICFSW)
35	168623	1	• SHROUD, Generator - upper
36	168624	1	• SHROUD, Generator - lower
37	137625	58"	• SEAL, Bulb
38	101632	4	• BOLT, Hex head (0.375"-16 x 0.75" Grade 5)
39	136665	1	• BOLT, Hex head (M10 x 1.25 x 35mm Grade 8.8)
40	144260	1	• NUT, Hex head nylon lock (M10-1.25 Grade 8.8)
L	117390	1	• LABEL, Push to reset generator

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10.1 Label Kits

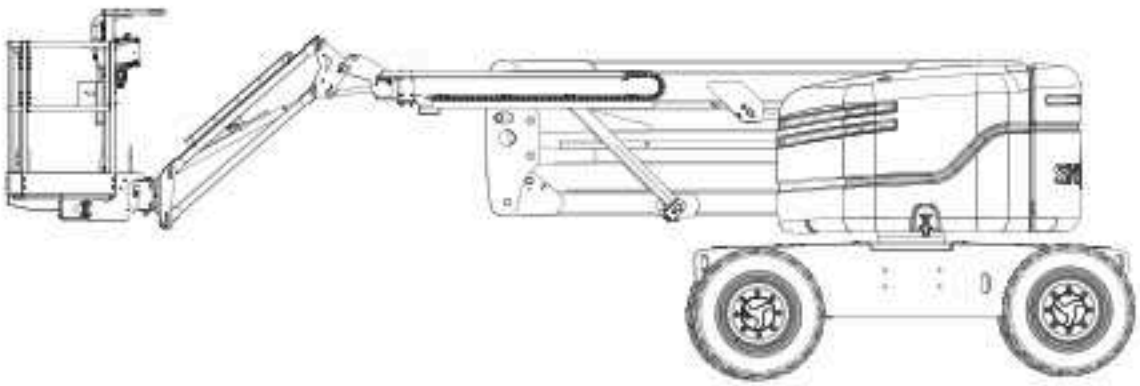
The following label kits are for models 46AJ and 51AJ. It contains labels that are common to both machines.

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 166309	Part 166310	Part 166311
SJ46AJ	95,000,657 & above	95,000,657 & above	95,000,657 & above
SJ51AJ	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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