

PARTS MANUAL

TELESCOPIC BOOMS

MODELS SJ40T SJ45T

168891AI September 2025

SKYJACK

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Index No.	Skyjack Part No.	Qty.	Description
-	161290	-	BOOM ASSEMBLY
1	(Ref.)	1	• MAIN & FLY BOOM ASSEMBLY (For components, refer to Section 2.2)
2	(Ref.)	1	• E-CHAIN ASSEMBLY (For components, refer to Section 2.3)
3	(Ref.)	1	• EXTENSION CYLINDER ASSEMBLY (For components, refer to Section 3.2)
4	(Ref.)	1	• EXTENSION CYLINDER SUPPORT ASSEMBLY (For components, refer to Section 2.8)
5	(Ref.)	1	• SLAVE CYLINDER ASSEMBLY (For components, refer to Section 3.4)
-	161295	1	• BOOM EXTEND SWITCH ASSEMBLY
6	160018	1	• • SWITCH ASSEMBLY, Adjustable roller lever
	119348	1	• • • SWITCH, Limit
	160011	1	• • • LEVER, Variable length
	160009	1	• • • HEAD, Switch - right angle rotary
	160027	1	• • • CONNECTOR, Male (2 pos straight)
7	160015	1	• • CORD, Switch (17m)
	160026	1	• • • CONNECTOR, Female (2 pos)
8	(Ref.)	1	• HOSE ASSEMBLIES ((For components, refer to Section 8.2)
9	161336	2	• SPACER (3.00" OD x 1.563" ID x 0.188")
10	154233	2	• PIN, Mounting bracket
11	146897	2	• PIN, Keeper (0.375")
12	144688	2	• PIN, Extend and slave cylinder
13	144694	1	• PIN, Lift cylinder
14	146898	1	• PIN, Keeper (0.625")
15	133241	2	• CLAMP, Tube - cushioned)
16	101564	2	• BUSHING, Fiberglide (1.75" OD x 1.5" lg)
17	148817	2	• BUSHING, CJS 3232 (2" ID x 2" lg)
18	138986	2	• FITTING, Elbow, 90° bulkhead (06JICM - 06JICM)
19	139157	2	• FITTING, Nut bulhnead (06JIC)
20	103472	18	• WASHER, Flat (0.375")
21	104606	6	• NUT, Hex head nylon lock (0.375"-16, gr 5)
22	117430	4	• BOLT, Hex head (0.375"-16 x 1.25", gr 8)
23	101632	4	• BOLT, Hex head (0.375"-16 x 0.75", gr 5)
24	101297	2	• BOLT, Hex head (0.375"-16 x 1.25", gr 5)
25	103958	2	• SCREW, Round head machine (#8-32 x 0.75")
26	103473	2	• BOLT, Hex head (0.375"-16 x 1.00", gr 5)
27	704642	2	• SCREW, Flat head cap (0.312"-18 x 0.75", gr 5)
28	104379	1	• WASHER, Flat hardened (0.50")
29	103906	1	• BOLT, Hex head (0.50"-13 x 1.75", gr 5)

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Index No.	Skyjack Part No.	Qty.	Description
			Parts list continued from the previous page.
28	103041	3	• CONNECTOR, Strain relief
29	139128	2	• PLUG (0.88")
30	116266	1	• CONNECTOR, Heyco liquid tight
31	163241	4	• SPACER, ECU/OEM
32	115649	4	• NUT, Hex lock (1/4"-20 Grade 5, nylon)
33	146652	1	• HORN (12V)
34	166163	1	• SWITCH, Tilt (analog 28")
35	103861	4	• BOLT, Hex head (1/4"-20 x 2" Grade 5)
36	138755	1	• PLUG, 24 Pin spring (16A)
37	138756	2	• SOCKET, 24 Pin spring (16A)
38	103856	3	BOLT, Hex head (1/4"-20 x 3/4" Grade 5)
39	103855	1	BOLT, Hex head (1/4"-20 x 1/2" Grade 5)
40	115649	3	NUT, Hex lock (1/4"-20 Grade 5, nylon)
41	103995	4	WASHER, Flat (1/4")
42	104000	1	WASHER, Lock (1/4")
43	151155	1	SCREW, Round head machine (#10-24 x 1")
44	103987	1	NUT, Hex head (#10-24)
45	126642	1	NUT, Hex lock (#10-24 Grade 5, nylon)
46	(Ref.)	-	ECU HARNESSES (For components, refer to Section 5.6)
47	(Ref.)	-	CONTROL CABLE HARNESS (Male End) (For components, refer to Section 5.3)
48	(Ref.)	-	CONTROL CABLE HARNESS (Female End) (For components, refer to Section 5.3)
49	(Ref.)	-	MAIN ELECTRICAL HARNESS (For components, refer to Section 5.1)
50	(Ref.)	-	GLOW PLUG HARNESS (For components, refer to Section 5.8)

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Index No.	Skyjack Part No.	Qty.	Description
-	166397	1	12 kW GENERATOR AND OIL COOLER ASSEMBLY (40T)
-	166463	1	12 kW GENERATOR AND OIL COOLER ASSEMBLY (45T)
1	(Ref.)	1	• GENERATOR/COOLER HOSE KIT (For components, refer to Section 9.9)
2	(Ref.)	1	• WELDER MOUNTING ASSEMBLY (For components, refer to Section 9.10)
3	(Ref.)	1	• OIL COOLER ASSEMBLY (For components, refer to Section 9.4)
4	167054	1	• TUBE (34"- OD x 0.095" wall)
5	(Ref.)	1	• WIRING ASSEMBLIES (For components, refer to Section 9.6)
6	103850	1	• BOLT, Hex head (M10 x 1.25 x 30mm, gr 8.8)
7	103870	4	• BOLT, Hex head (0.375"-16 x 1.50" Grade 5)
8	167052	1	• BRACKET, Bulkhead mount
9	103070	1	• FITTING, Straight (6JICM-08ORBM)
10	105445	3	• FITTING, 90° (12JICM-12ORBM)
11	167201	1	• FITTING, Tee bulkhead (12JICM-12JICM-12JICM)
12	126128	1	• FITTING, Straight (04JICM-04ORBM)
13	137630	1	• FITTING, Straight (10JICM-10ORBM)
14	139153	1	• FITTING, Straight (12JICF-10JICM)
15	702118	2	• FITTING, Straight (12JICM-12ORBM)
16	703413	1	• FITTING, Tee (12JICM-12JICM-12JICFSW)
17	160764	1	• GENERATOR, Hydraulic (12 kW)
	195467	1	• • MOTOR, Generator - 12 kW
	195595	1	• • SEAL KIT, Generator - 12 kW
	197781	1	• • ALTERNATOR, Generator
	197779	1	• • COUPLING, Motor
	197780	1	• • INSERT, Coupling
	197781	1	• • COUPLING, Alternator
	197764	1	• • MANIFOLD, Generator
	197767	1	• • • BLOCK, Manifold
	168058	1	• • • VALVE, Solenoid
	168057	1	• • • COIL, Solenoid
	171450	1	• • • VALVE, Flow control
	168058	1	• • • VALVE, Check (12)
	197770	1	• • • VALVE, Check (04)
	198971	1	• • BREAKER, GFCI DIN rail - 15A
	198972	1	• • BREAKER, 3 pole DIN rail - 40A
18	144260	1	• NUT, Hex head (M10-1.25, gr 8.8)
19	104606	4	• NUT, Hex head nylon lock (0.375"-16, gr 5)
20	167203	1	• FITTING, Nut bulkhead (12JIC)
21	103472	9	• WASHER, Flat (0.375")
L	117390	1	• LABEL, Push-To-Reset Generator

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Label Kits

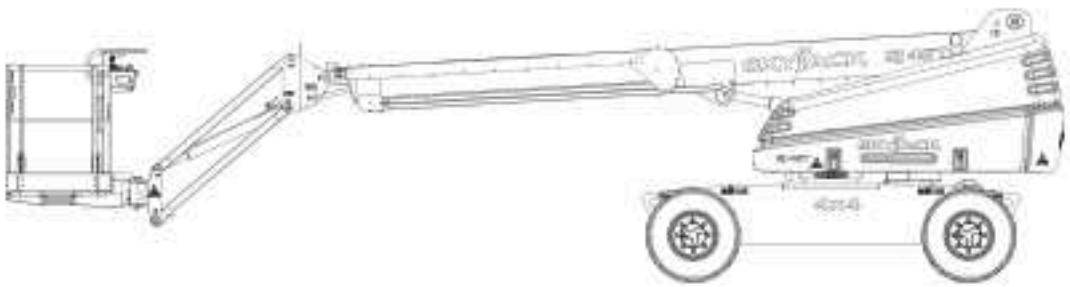
The following label kit is for models SJ 40T and 45T. It contains labels that are common to both machines.

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 # 166304	Part # 166305	Part # 166306
SJ 40T	98,001,142 & Above	Not Used	Not Used
SJ 45T	98,001,142 & Above	98,001,142 & Above	98,001,142 & 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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