

PARTS MANUAL

TELESCOPIC BOOMS

MODELS SJ40T SJ45T

163736AF July 2024

SKYJACK

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Index No.	Skyjack Part No.	Qty.	Description
1	138411	1	WELDMENT, Turret
2	(Ref.)	-	ROTARY MANIFOLD ASSEMBLY (For components, refer to Section 4.13a)
3	(Ref.)	-	MOUNT, Rotary manifold (For components, refer to Section 4.13a)
4	103999	4	WASHER, Lock (3/8")
5	(Ref.)	-	MANIFOLD, Rotary (9 port) (For components, refer to Section 4.13a)
6	703661	-	GEAR, Turret rotation
7	701762	24	BOLT, Hex head (5/8"-11 x 4 1/2" Grade 8)
8	700782	26	WASHER, Flat (5/8")
9	(Ref.)	1	POWER UNIT, Emergency (For components, refer to Section 4.17)
10	(Ref.)	-	FUEL TANK ASSEMBLY (GM engine) (For components, refer to Section 4.15)
	(Ref.)	-	FUEL TANK ASSEMBLY (Deutz engine) (For components, refer to Section 4.16)
11	(Ref.)	-	MAIN CONTROL VALVE ASSEMBLY (For components, refer to Section 4.11)
12	(Ref.)	-	BRAKE CONTROL VALVE ASSEMBLY (For components, refer to Section 4.12)
13	(Ref.)	-	AXLE LOCKOUT VALVE ASSEMBLY (For components, refer to Section 4.9)
14	(Ref.)	-	BASE CONTROL CONSOLE ASSEMBLY (Deutz engine) (For components, refer to Section 4.19)
	(Ref.)	-	BASE CONTROL CONSOLE ASSEMBLY (GM engine) (For components, refer to Section 4.20)
15	(Ref.)	-	HYDRAULIC TANK ASSEMBLY (For components, refer to Section 4.14)
16	(Ref.)	-	MASTER CYLINDER ASSEMBLY (For components, refer to Section 3.3)
17	138815	2	SCREW, Socket head cap (1/2"-13 x 1", nylon patch, zinc)
18	700425	2	WASHER, Master cylinder pin
19	144672	1	PIN, Master cylinder
20	138471	1	MAIN BOOM PIN ASSEMBLY (For components, refer to Section 4.10)
21	(Ref.)	-	LIFT CYLINDER BRACKET ASSEMBLY (For components, refer to Section 4.6)
22	(Ref.)	-	LIFT CYLINDER ASSEMBLY (For components, refer to Section 3.1)
23	111356	2	SWITCH, Limit sealed (ANSI/CSA)
24	112248	2	SCREW, Round head machine (#8-32 x 1")
25	103991	2	WASHER, Flat (#8)
26	138765	2	NUT, Hex lock (#8-32 Grade 5, nylon)
27	139141	1	LIMIT SWITCH ASSEMBLY, Direction

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Index No.	Skyjack Part No.	Qty.	Description
1	(Ref.)	-	Assembly, hydraulic tank (For components, refer to Section 4.14)
2	703412	2	FITTING, Straight (12 JICF - 08 JICM)
3	(Ref.)	1	HOSE (For components, refer to Section 9.8)
4	(Ref.)	1	HOSE (For components, refer to Section 9.8)
5	144097	10	CLAMP, Mikalor
6	144058	1	FITTING, 90° (12 BEAD -10 ORBM)
7	144110	1	GENERATOR, Hydraulic (60Hz, 3500 W) (ANSI/CSA)
	168054	1	• MOTOR, Generator
	144526	1	GENERATOR, Hydraulic (50Hz, 3500 W) (CE&AS)
	(Ref.)	1	GENERATOR, Hydraulic (12 kW) (For components, refer to Section 9.9)
8	114583	2	FITTING, 90° (08 JICM - 08 ORBM)
9	139186	1	SUPPORT, Hydraulic generator
10	139007	5	BOLT, Hex head (1/2"-13 x 2" Grade 8)
11	104379	5	WASHER, Flat hardened (1/2")
12	144259	3	BOLT, Hex head (M10 x 1.25 x 35mm, Grade 9.8)
13	144260	3	NUT, Hex nylon lock (M10 x 1.25, Grade 8 ZP)
14	707006	1	FITTING, 90° (04 JICM - 08 ORBM)
15	(Ref.)	1	HOSE (For components, refer to Section 9.8)
16	144059	4	FITTING, 90° (12 BEAD -12 ORBM)
17	139092	1	COOLER, Hydraulic oil
	209374	1	• FAN, Oil cooler
18	300437	4	BOLT, Hex head (3/8"-16 x 7/8" Grade 5)
19	103999	8	WASHER, Lock (3/8")
20	125959	14	WASHER, Flat hardened (3/8")
21	(Ref.)	1	HOSE (For components, refer to Section 9.8)
22	139190	1	SUPPORT, Oil cooler
23	144046	2	MOUNT, Hydraulic tubes
24	101632	4	BOLT, Hex head (3/8"-16 x 3/4" Grade 5)
25	103472	4	WASHER, Flat (3/8")
26	144065	4	SPONGE, Tube mounting
27	144045	1	TUBE, Return
28	144043	1	TUBE, Pressure
29	144044	1	TUBE, Cooler collector
30	(Ref.)	1	HOSE (For components, refer to Section 9.8)
31	(Ref.)	-	Assembly, Brake control valve (For components, refer to Section 4.12)
32	102659	1	FITTING, Straight (08JICM - 08ORBM)
33	706812	1	FITTING, Straight (04 JICM - 08 JICF) (If Equipped)
34	144087	1	FITTING, Straight (08 BARB - 08 JICFS)
35	144279	1	FITTING, Straight (12 JICM - 08 ORBM)

Parts list continued on the following page.

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Index No.	Skyjack Part No.	Qty.	Description
1	(Ref.)	-	GENERATOR AND OIL COOLER ASSEMBLY (3500 W) (For components, refer to Section 9.3)
2	139136	1	GENERATOR, Hydraulic (12 kW)
	167879	1	• MOTOR, 12 kW hydraulic generator
3	(Ref.)	1	HOSE (For components, refer to Section 9.12)
4	(Ref.)	1	HOSE (For components, refer to Section 9.12)
5	144168	1	FITTING, 45° (12BEAD - 12ORBM)
6	702118	1	FITTING, Straight connector (12 SAE - 12 JIC)
7	144175	1	FITTING, Straight (12 ORBM - 08 ORBF)
8	144062	1	FITTING, 45° (08BEAD - 08ORBM)
9	(Ref.)	1	HOSE (For components, refer to Section 9.12)
10	144170	1	FITTING, 90° (08BEAD - 08ORBM)
11	(Ref.)	1	HOSE, 0504 x 14.5 (For components, refer to Section 9.12)
12	139099	2	FITTING, 90° (12-12 o-ring, x-long)
13	138989	1	VALVE, Generator control
14	(Ref.)	1	HOSE (For components, refer to Section 9.12)
15	144097	1	CLAMP, Mikalor
16	144094	2	CLAMP, Mikalor
17	103472	11	WASHER, Flat (3/8")
18	103872	2	BOLT, Hex head (3/8"-16 x 2 1/4" Grade 5)
19	(Ref.)	-	CIRCUIT BREAKER ASSEMBLY (12 kW generator) (For components, refer to Section 9.10)
20	(Ref.)	-	WELDER AND MOUNTING ASSEMBLY (For components, refer to Section 9.15)
21	103848	3	BOLT, Hex head (M10 x 1.25 x 30mm, Grade 9.8)
22	144260	3	NUT, Hex nylon lock (M10 x 1.25, Grade 8 ZP)
23	139007	3	BOLT, Hex head (1/2"-13 x 2" Grade 8)
24	104379	3	WASHER, Flat hardened (1/2")

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Label Kits

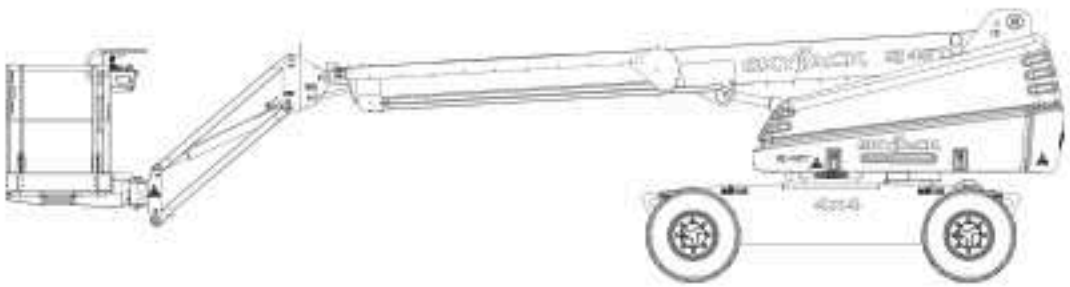
The following label kit is for models SJ 40T and 45T. It contains labels that are common to both machines.

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 # 160623	Part # 160624	Part # 160625
SJ 40T	98,001,047 & Above	Not Used	Not Used
SJ 45T	98,001,047 & Above	98,001,047 & Above	98,001,047 & 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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