

PARTS MANUAL

TELESCOPIC BOOMS

MODELS SJ40T SJ45T

170945AG September 2025

SKYJACK

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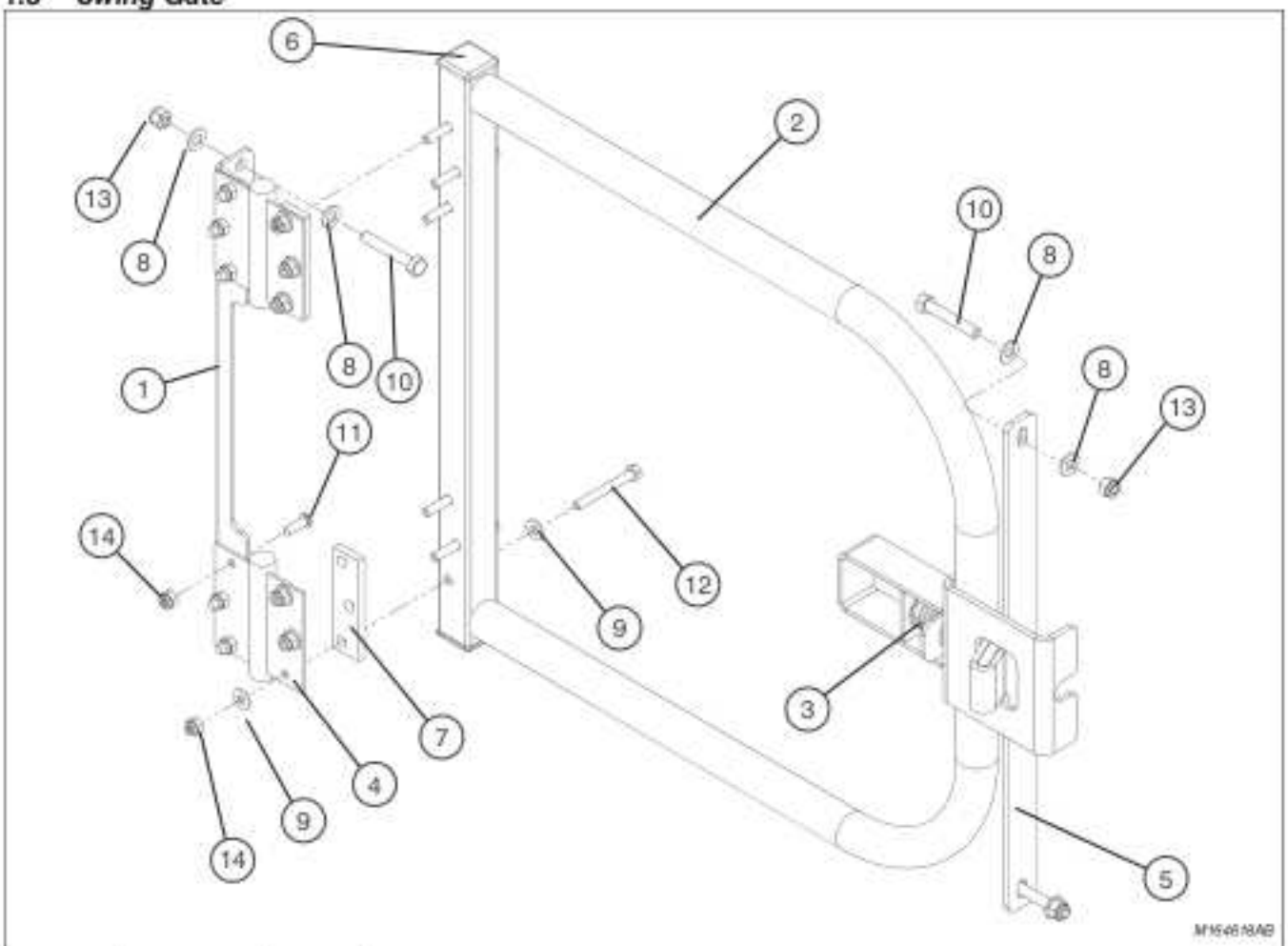
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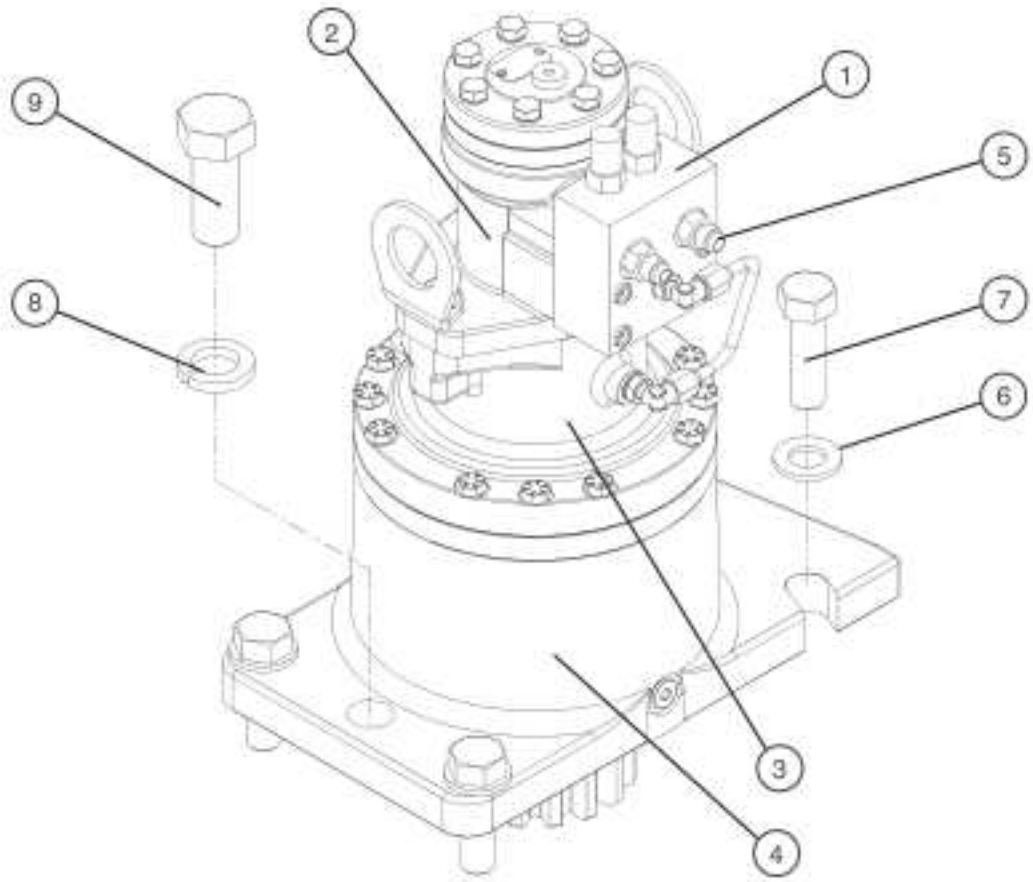
1.5 *Swing Gate*



Index No.	Skyjack Part No.	Qty.	Description
-	164618	-	SWING GATE ASSEMBLY
1	164590	1	• BRACKET, Hinge mounting
2	164619	1	• WELDMENT, Gate
3	110824	1	• LATCH, Door spring pin
4	117277	2	• HINGE, Spring
5	166287	1	• PLATE, Locking
6	100702	2	• CAP, End
7	164592	2	• TAB, Hinge
8	103996	8	• WASHER, Flat (5/16")
9	103995	12	• WASHER, Flat (1/4")
10	103865	4	• BOLT, Hex head (5/16"-18 x 2.00, Grade 5)
11	139168	6	• SCREW, Button head cap (1/4"-20 x 0.75")
12	103862	6	• BOLT, Hex head (1/4"-20 x 2.25, Grade 5)
13	103984	4	• NUT, Hex head nylon lock (5/16"-18, Grade 5)
14	115649	12	• NUT, Hex head nylon lock (1/4"-20, Grade 5)

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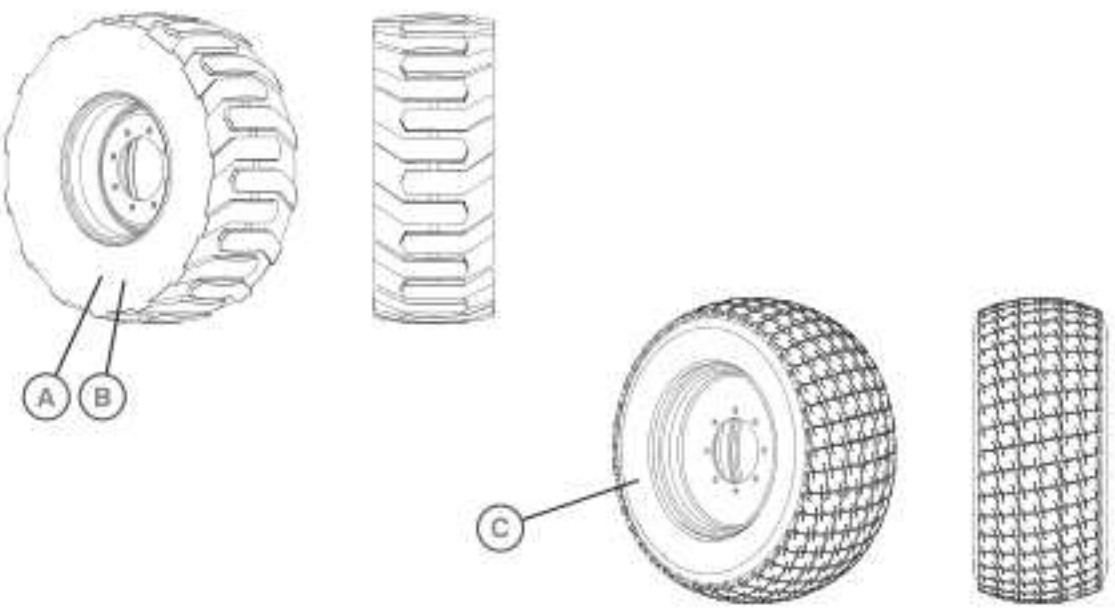
4.8 Swing Drive



Index No.	Skyjack Part No.	Qty.	Description
-	167466	1	SWING DRIVE ASSEMBLY
-	167209	1	• SWING DRIVE, Turret rotate
1	141488	1	• • MANIFOLD, Swing drive
	141499	2	• • • VALVE, Counterbalance
2	168872	1	• • MOTOR, Hydraulic
3	168873	1	• • BRAKE, Hydraulic
4	146006	1	• • GEAR, Reduction
5	103069	2	• FITTING, Straight (06JICM-06ORBM)
6	103990	4	• WASHER, Flat (3/4")
7	100850	4	• BOLT, Hex head (3/4"-10 x 2.50" Grade 8)
8	107948	1	• WASHER, Lock (1")
9	139181	1	• BOLT, Hex head (1"-8 x 2.5" Grade 8)
K1	168874	1	SEAL KIT, Brake
K2	168875	1	SEAL KIT, Main shaft & ring gear

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6.15 Tires

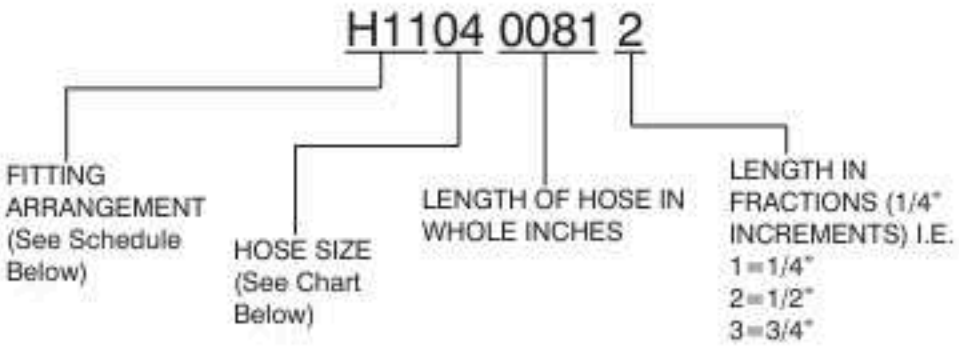


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Index No.	Skyjack Part No.	Qty.	Description
A	138733	2	WHEEL ASSEMBLY, Left hand - Air Filled
	138732	2	WHEEL ASSEMBLY, Right hand - Air Filled
B	167240	2	WHEEL ASSEMBLY, Left hand - Foam filled
	167241	2	WHEEL ASSEMBLY, Right hand - Foam filled
C	144306	4	WHEEL ASSEMBLY, High flotation
1	138727	1	• RIM, (16 1/2" x 9 3/4", 7/8" Offset) A, B
	144307	1	• RIM, (19 1/2" x 14", Duplex) C
2	710109	1	• TIRE, (12" x 16 1/2", 10 Ply) A, B
	144308	1	• TIRE, (33/16 LL 500) C
3	143996	1	• VALVE STEM, Carlisle (TR-501) A, B
	144309	1	• VALVE STEM, High flotation C
4	162400	-	• TIRE FILL, Foam (rubber crumb) B
5	141580	4	VALVE STEM, Green - Air tires with sealant
6	139635	-	SEALANT, Tire - Air tires with sealant
L	141848	1	LABEL, Tire sealant - Air tires with sealant

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8.1 Standard Hose Numbering System



Using the number above as an example (H1104 0081 2). This hose requires a 37° JIC, female swivel fitting on one end. A medium length 90° JIC, female swivel fitting for the other end. The Hose must meet or exceed S.A.E. 100R13 hose specification, and be a total of 81-1/2" long. NOTE: Hose ends and hose must be from same manufacturer per S.A.E. J1273 Nov. '91, Sections 3.10 and 4.2. Hose ends and hose must be of the same size i.e. #4 size fittings must be used with #4 size hose.

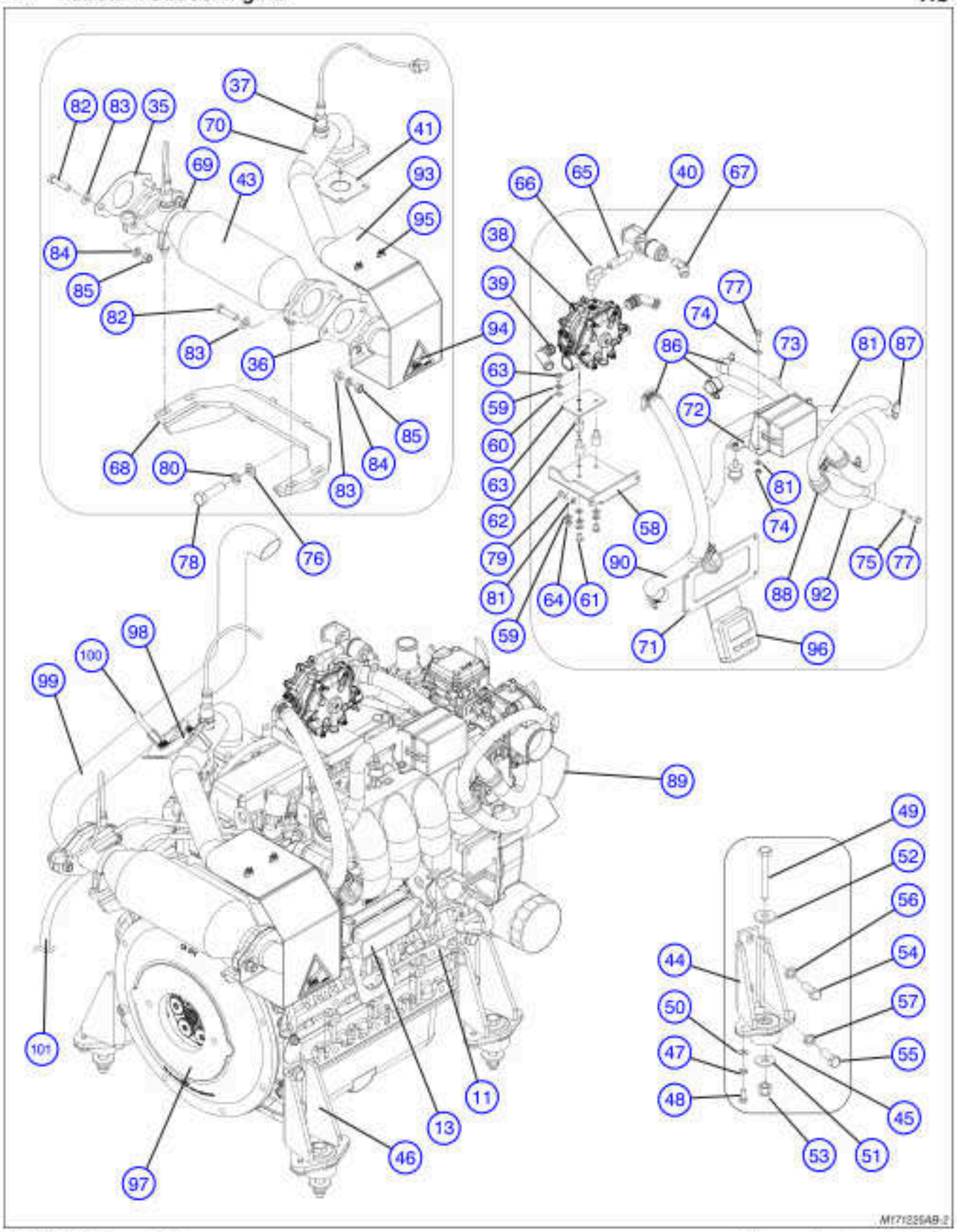
Hose Size Chart

SIZE	03	04	06	08	10	12	16	20	24	32	40	48	56	64
ID	3/16"	1/4"	3/8"	1/2"	5/8"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	3-1/2"	4"

Fitting Arrangement Schedule **(Continued on the following page)**

HOSE PREFIX	HOSE END FITTING	HOSE END FITTING	S.A.E. HOSE SPECIFICATION
H01	FEMALE, 37º JIC, SWIVEL	FEMALE, 37º JIC, SWIVEL	100R17
H02	FEMALE, 37º JIC, SWIVEL	FEMALE, 37º JIC, SWIVEL	100R13
H03	FEMALE, 37º JIC, SWIVEL	45º, FEMALE, 37º JIC, SWIVEL	100R17
H04	FEMALE, 37º JIC, SWIVEL	45º, FEMALE, 37º JIC, SWIVEL	100R13
H05	FEMALE, 37º JIC, SWIVEL	LONG 90º, FEMALE, 37º JIC, SWIVEL	100R17
H06	FEMALE, 37º JIC, SWIVEL	SHORT 90º, FEMALE, 37º JIC, SWIVEL	100R17
H07	LONG 90º, FEMALE, 37º JIC, SWIVEL	LONG 90º, FEMALE, 37º JIC, SWIVEL	100R17
H08	FEMALE, 37º JIC, SWIVEL	FEMALE, 37º JIC, SWIVEL	100R4
H09	FEMALE, 37º JIC, SWIVEL	45º, FEMALE, 37º JIC, SWIVEL	100R4
H10	FEMALE, 37º JIC, SWIVEL	MALE PIPE THREAD FITTING	100R17
H11	FEMALE, 37º JIC, SWIVEL	MEDIUM 90º, FEMALE, 37º JIC, SWIVEL	100R13
H12	SHORT 90º, FEMALE, 37º JIC, SWIVEL	SHORT 90º, FEMALE, 37º JIC, SWIVEL	100R17
H13	FEMALE, 37º JIC, SWIVEL	REUSABLE MALE PIPE THREAD FITTING	300 PSI
H14	REUSABLE MALE PIPE THREAD FITTING	NO FITTING	300 PSI
H15	REUSABLE, FEMALE, 37º JIC, SWIVEL	REUSABLE, FEMALE, 37º JIC, SWIVEL	300 PSI

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