MODELS | SJ12



Parts Manual

Vertical Mast Series

Part No. 155184AFA June 2024

SKYJACK

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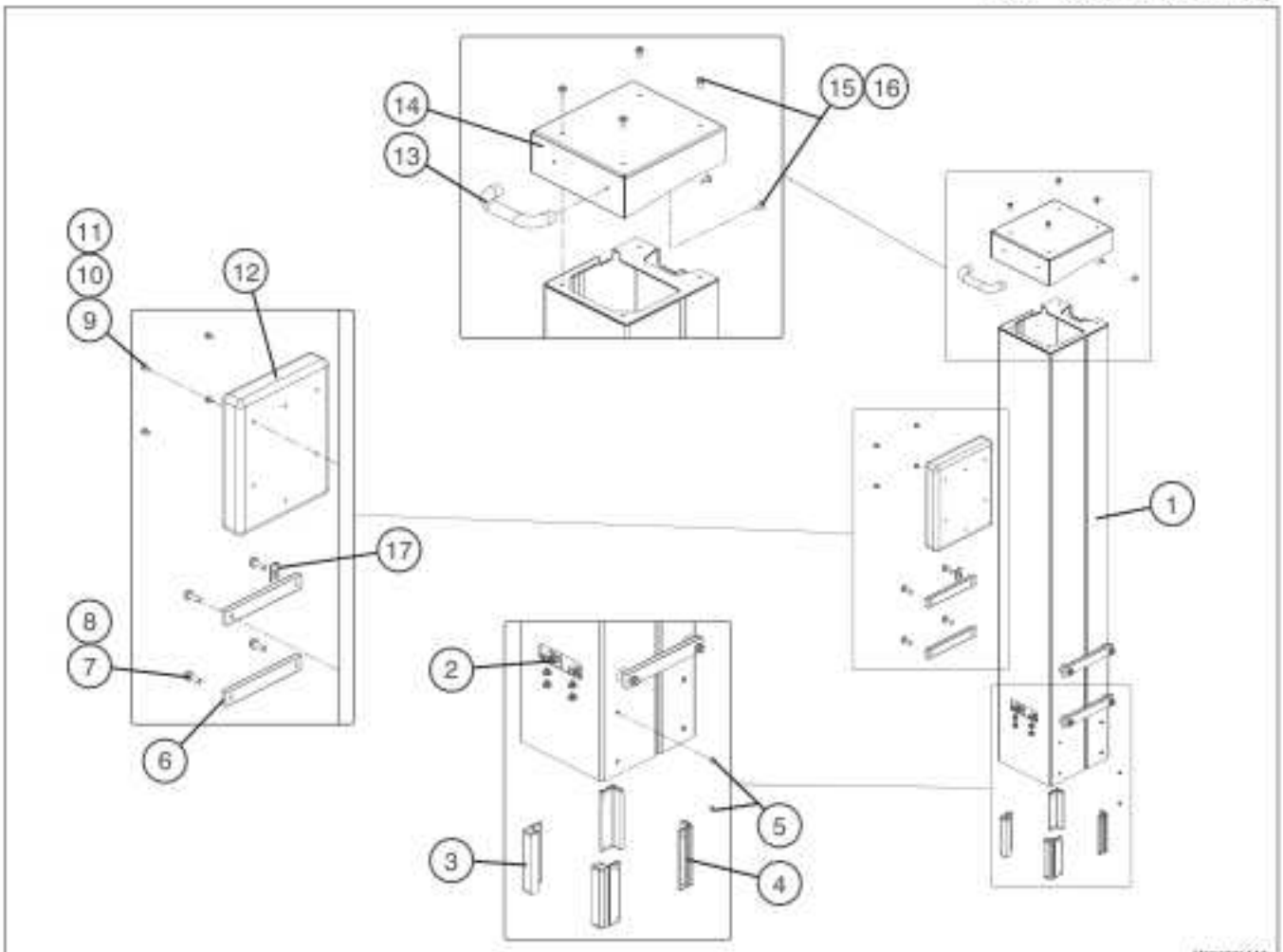
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Index No.	Skyjack Part No.	Qty.	Description
-	151466	-	PLATFORM CONTROL CONSOLE ASSEMBLY (SJ12)
1	156884	1	• CONTROL CONSOLE (Top)
2	(Ref.)	-	• CONTROLLER ASSEMBLY (For components, refer to Page 1.7)
3	116382	1	• SWITCH, Toogle
4	122093	1	• INDICATOR, Battery charge
5	147058	1	• HEAD, Pushbutton (Horn)
6	147051	1	• HEAD, Emergency stop
7	103986	1	• NUT, Hex head (#8-32)
8	112249	1	• WASHER, Lock (#8)
9	103957	1	• SCREW, Round head machine (#8-32 x 1/2")
10	102956	2	• PLUG (7/8")
11	-	-	• SWITCH, Horn
	147056	1	• LATCH
	147054	1	• BLOCK, Contact (N.O.)
12	-	-	• SWITCH, Emergency stop
	147056	1	• LATCH
	147053	2	• BLOCK, Contact (N.C.)
	147061	1	• LED BLOCK, 24V (Red)
13	(Ref.)	-	• CONTROL CABLE ASSEMBLY (16 pin) (For components, refer to Page 1.8)
14	116993	1	• HOUSING, Male connector (9 pin)
15	147373	1	• CONTROL CONSOLE (Bottom)
16	103632	9	• SCREW, Hex head self tapping (1/4"-14 x 3/4")
17	111181	1	• GUARD, Switch
18	144016	1	• SEAL, Bushing
19	119629	1	• RESISTOR (2.7k ohm)

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Index No.	Skyjack Part No.	Qty.	Description
-	-	-	MAST 4 ASSEMBLY (SJ12)
1	156504	1	• WELDMENT, Mast 4 (SJ12)
2	(Ref.)	1	• SINGLE CHAIN MOUNT ASSEMBLY (For components, refer to Page 2.2)
3	151298	2	• WEAR PAD (Thick)
4	151297	2	• WEAR PAD (Thin)
5	151405	8	• SCREW, Hex tapping (#8 x 3/8", Type B)
6	156532	4	• PLATE, Spacer
7	117430	8	• BOLT, Hex head (3/8"-16 x 1.25", Grade 8)
8	125959	8	• WASHER, Flat hardened (3/8")
9	103962	4	• SCREW, Round head machine (#10-32 x 1/2")
10	104185	4	• WASHER, Lock (#10)
11	104694	4	• WASHER, Flat (#10)
12	117293	1	• BOX, Manual
13	151318	1	• HANDLE
14	156509	1	• COVER, Mast
15	103855	6	• BOLT, Hex head (1/4"-20 x 0.5", Grade 5)
16	103995	6	• WASHER, Flat (1/4")
17	156837	AR	• SHIM, Platform MT 22GA (0.0299)

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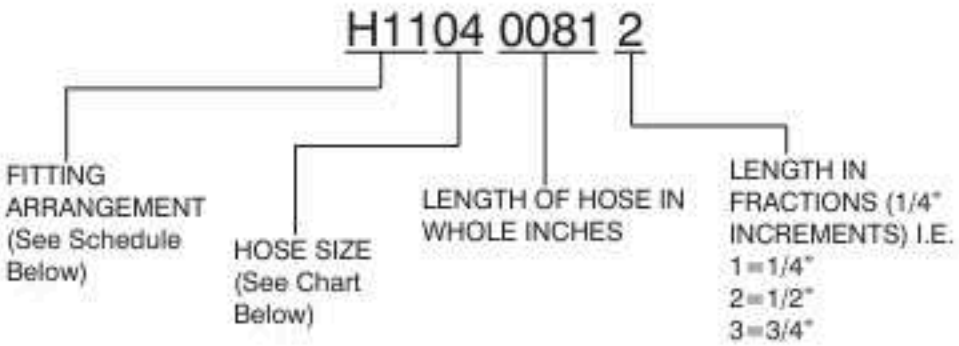
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Index No.	Skyjack Part No.	Qty.	Description
1	105271	1	CONNECTOR, Inlet (110V) (ANSI/CSA)
2	113227	1	SEAL, Cover (ANSI/CSA)
3	156845	1	GROUND WIRE ASSEMBLY (ANSI/CSA)
4	(Ref.)	1	BASE CONTROL CENTRE ASSEMBLY (For components, refer to Page 3.14)
5	(Ref.)	1	HORN AND HOUR METER ASSEMBLY (For components, refer to Page 3.16)
6	146475	1	CONTACTOR
7	103855	6	BOLT, Hex head (1/4"-20 x 1/2", Grade 5)
8	104000	10	WASHER, Lock (1/4")
9	103995	12	WASHER, Flat (1/4")
10	104003	2	NUT, Hex head (#10-32)
11	156844	2	NUT, Hex head (5/16"-24, Grade 5)
12	151207	1	CONTROLLER, Pump motor (24VDC - 360 Amp)
13	156526	1	SWITCH, Tilt (Double axis)
14	156838	1	SWITCH, Tilt (Single axis)
15	103962	4	SCREW, Round head machine (#10-32 x 1/2")
16	104185	4	WASHER, Lock (#10)
17	156520	2	POTHOLE LIMIT SWITCH ASSEMBLY
	119348	1	• LIMIT SWITCH, Sealed
	117596	1	• CONNECTOR, Receptacle (2 pin)
	117598	1	• CONNECTOR, Receptacle wedge (2 pin)
	117590	2	• CONTACT, Pin (16-18)
18	103958	4	SCREW, Round head machine (#8-32 x 3/4")
19	112249	4	WASHER, Lock (#8)
20	157399	1	GUARD, Rubber

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6.1 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

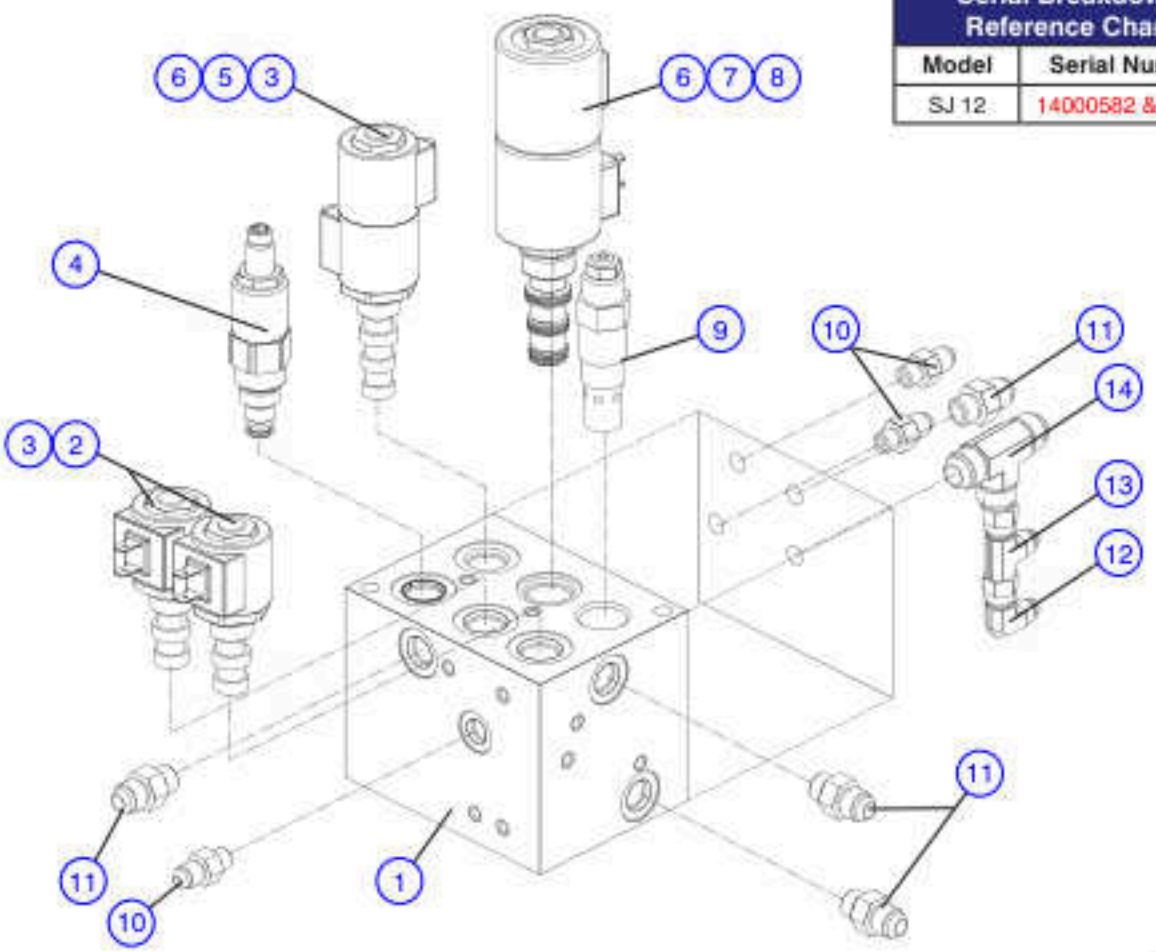
SIZE	03	04	06	08	10	12	16	20	24	32	40	48	56	64
ID	3/16"	1/4"	3/8"	1/2"	5/8"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	3-1/2"	4"

HOSE PREFIX	HOSE END FITTING	HOSE END FITTING	S.A.E. HOSE SPECIFICATION
H01	FEMALE, 37º JIC, SWIVEL	FEMALE, 37° 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

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

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Serial Breakdown Reference Chart	
Model	Serial Number
SJ 12	14000582 & above



Index No.	Skyjack Part No.	Qty.	Description
1	151457	1	• MANIFOLD ASSEMBLY
	156873	1	• • BLOCK, Manifold
	154926	20	• • PLUG, Expander (8mm)
2	103623	2	• VALVE, 3 way spool
3	103605	4	• COIL, 24V (2 prong)
4	151684	1	• VALVE, Relief
5	113953	1	• VALVE, 4 way spool
6	151685	2	• SPACER, Coil
7	156850	1	• VALVE, Drive (3/4 way Mtr Spool)
8	105610	2	• COIL, 24V (2 prong, #10)
9	147889	1	• VALVE, Counterbalance (4000 psi)
10	126128	3	• FITTING, Straight (04 JICM - 04 ORBM)
11	103069	5	• FITTING, Straight (06 JICM - 06 ORBM)
12	702761	1	• FITTING, 90 degree (06JICM-06JICFSW) **(For machines with S/N of 14000011 & above)**
13	103309	1	• FITTING, T/Run/Swvl (06 JICM - 06 JICM - 06 JICFS) **(For machines with S/N of 14000011 & above)**
14	157425	1	• FITTING, Orifice tee **(For machines with S/N of 14000011 & above)**

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