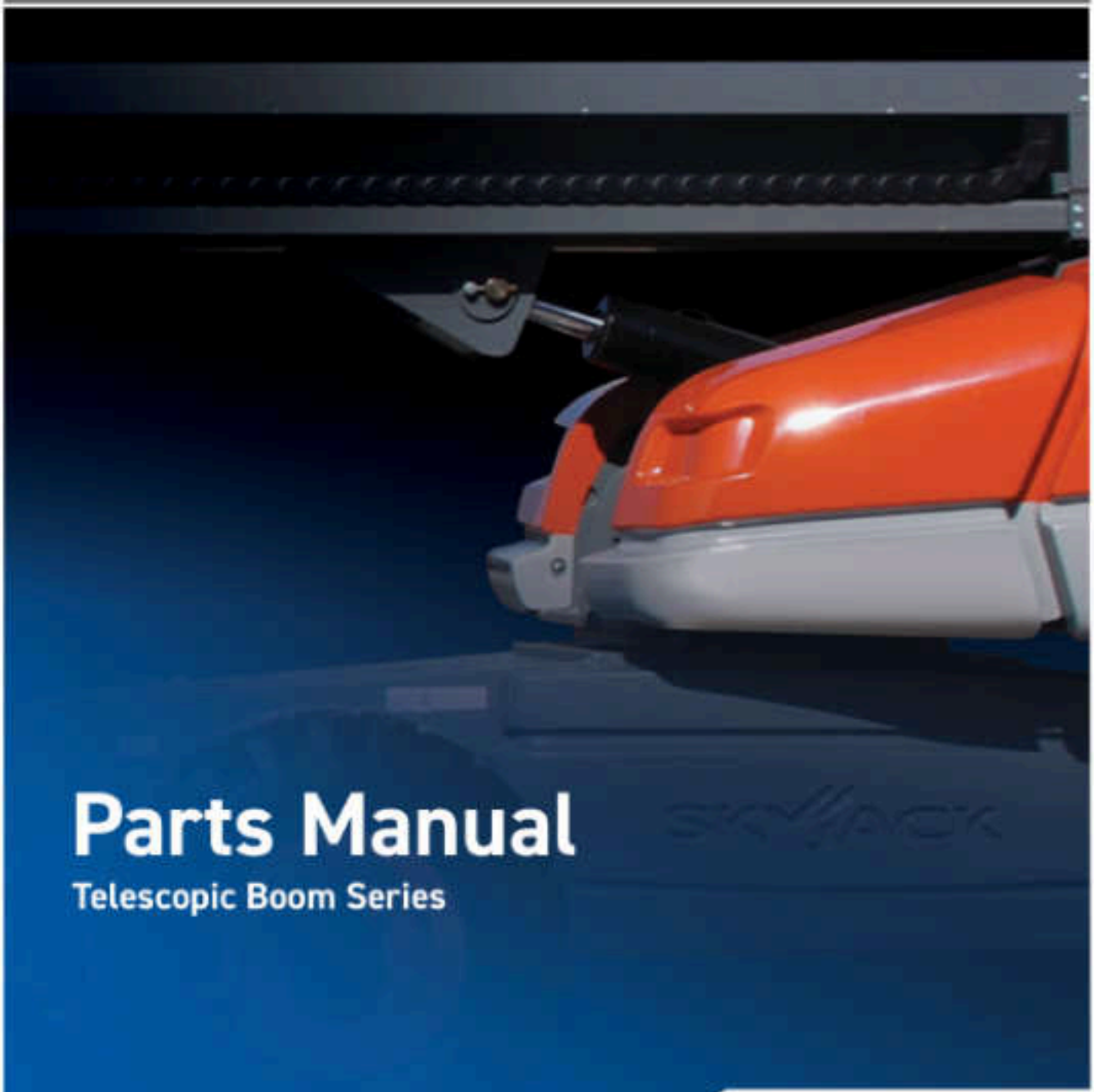
MODELS | SJ40T SJ45T



Parts Manual

Telescopic Boom Series

Part No. 143843AQ June 2024

SKYJACK

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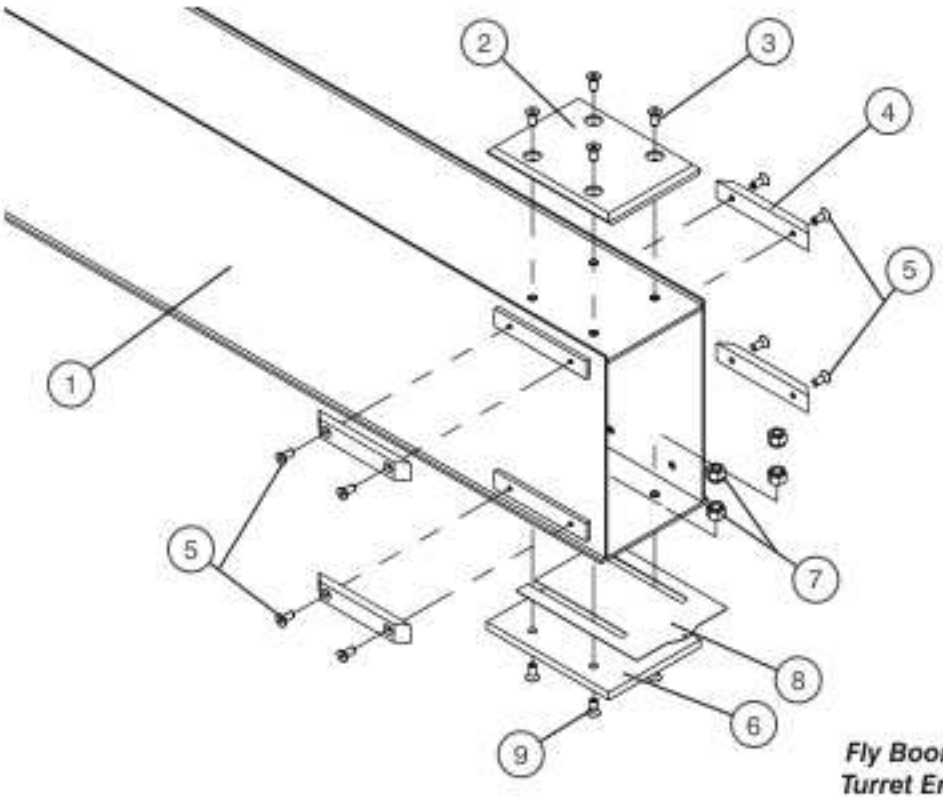
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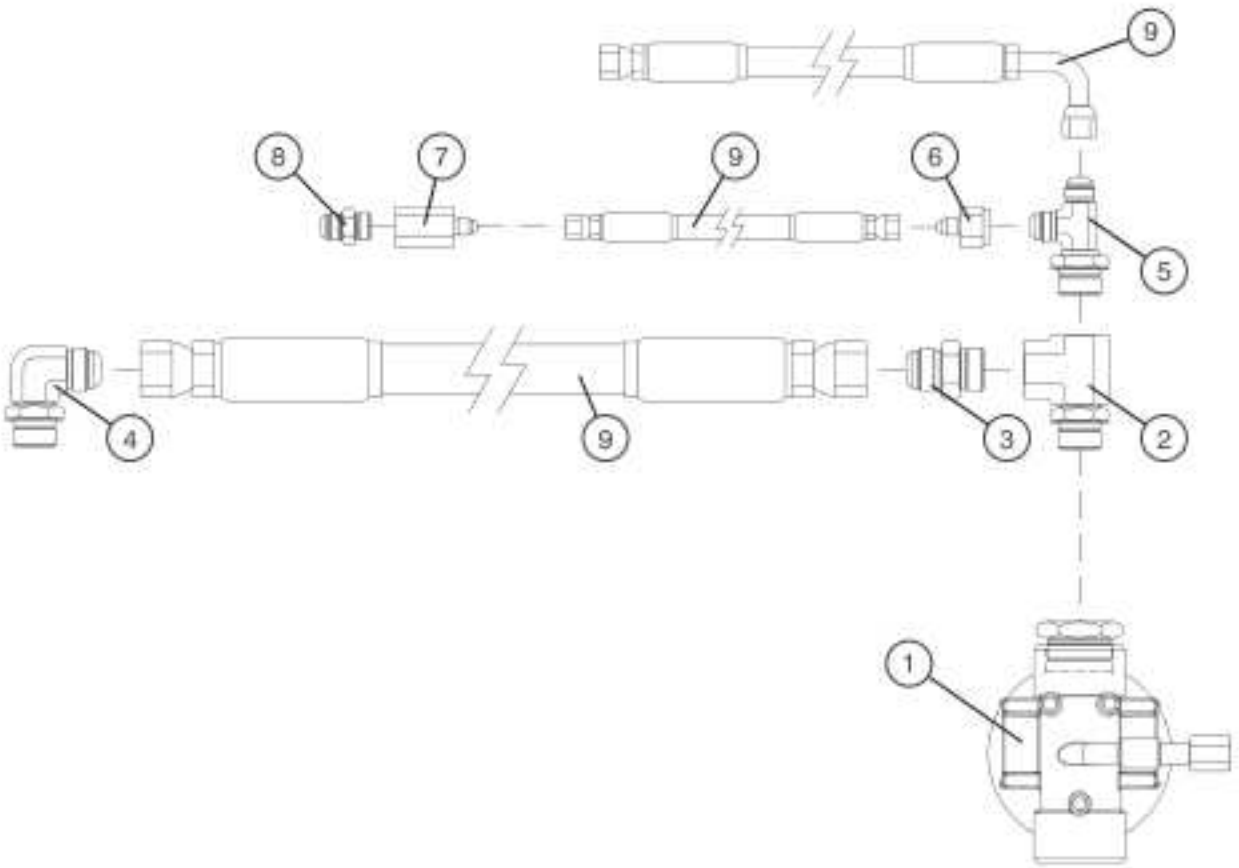


Fly Boom Turret End

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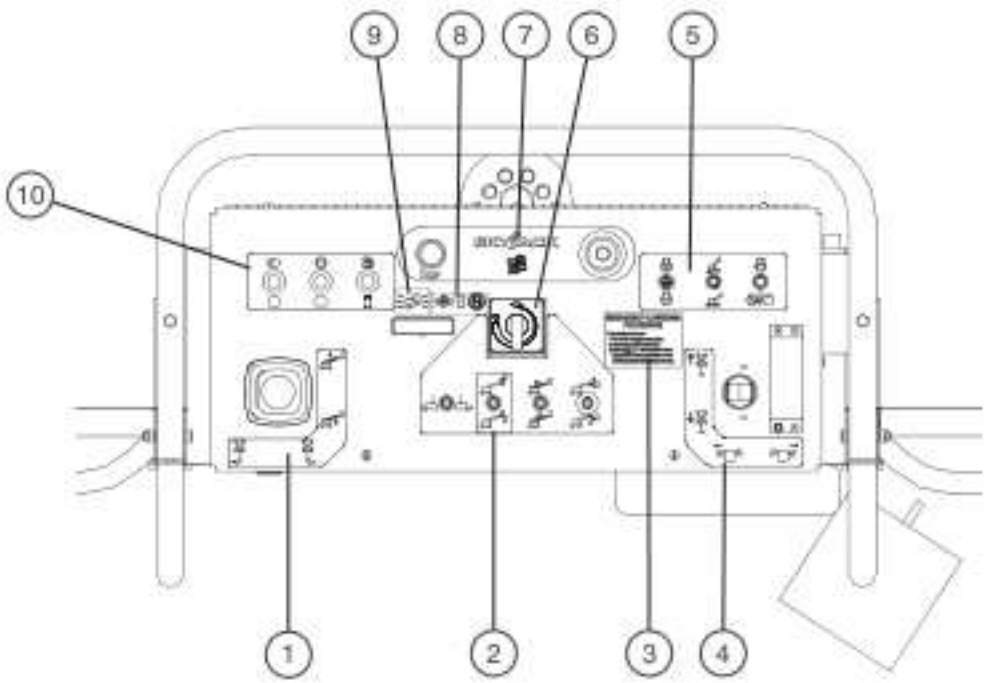
Index No.	Skyjack Part No.	Qty.	Description
A	144435	1	FLY BOOM ASSEMBLY (Universal)
B	138895	1	FLY BOOM ASSEMBLY (ANSI/CSA)
1	157603	1	• FLY BOOM WELDMENT A
	144440	1	• • WELDMENT, Fly boom
	101564	2	• • BUSHING, Fiberglide (1.75" ID x 1.5")
	157619	1	• FLY BOOM WELDMENT B
	138894	1	• • WELDMENT, Fly boom
	101564	2	• • BUSHING, Fiberglide (1.75" ID x 1.5")
2	706781	1	• PAD, Wear (Top)
3	701621	4	• SCREW, Flat head cap (0.375-16 x 1.25, Grade 5)
4	702691	4	• PAD, Wear (Side)
5	110853	8	• SCREW, Flat head cap (0.25-20 x 0.625, Grade 5)
6	706783	1	• PAD, Wear (Bottom)
7	104606	8	• NUT, Hex nylon lock (0.375-16, Grade 5)
8	144195	AR	• SHIM (16 Gauge)
	144198	AR	• SHIM (21 Gauge)
9	144197	4	• SCREW, Flat head cap (0.375-16 x 1.50, Grade 5)

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Index No.	Skyjack Part No.	Qty.	Description
1	(Ref.)	1	FITLER HEAD, Return line *(For components, refer to 4.15 Hydraulic Tank)*
2	144161	1	FITTING, Tee-run (12 ORBF - 12 ORBM - 12 ORBF)
3	702118	1	FITTING, Straight (12 JICM - 12 ORBM)
4	105445	1	FITTING, Elbow 90˚ (12 JICM - 12 ORBM)
5	105446	1	FITTING, Straight (8JICM - 12ORBM) (For S/N 98 000 585 & above)
	144162	1	FITTING, Tee-run (8 JICM - 12 ORBM - 8 JICM) (For S/N 98 000 584 & below)
6	706812	1	FITTING, Straight (04 JICM - 08 JICF) (If equipped)
7	139205	1	VALVE, Check (04 JICF - 04 JICM) (If equipped)
8	131705	1	FITTING, Straight (04 JICM - 08 ORBM) (If equipped)
9	(Ref.)	1	HOSE, Hydraulic *(For components, refer to 8.3 Hydraulic Hoses - Control Compartment - S/N 98 000 585 & Above)*

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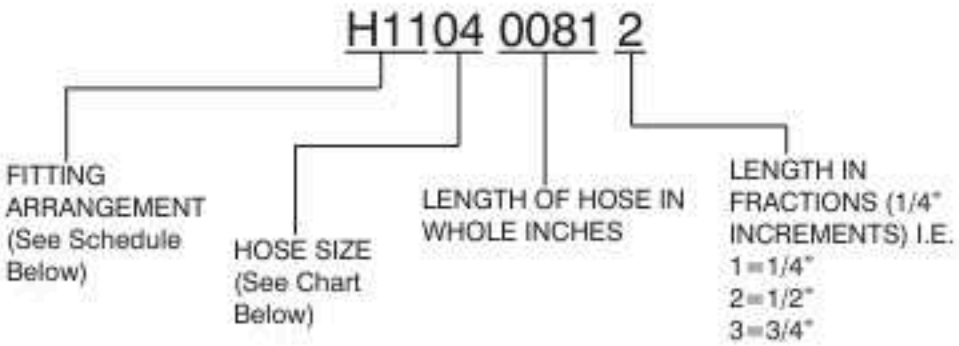
Index No.	Skyjack Part No.	Qty.	Description
1	138388	1	LABEL, Boom up/down and turret left/right control (Not included in kit)
2	138389	1	LABEL, Boom jib/basket controls (Not included in kit)
3	143813	1	LABEL, Emergency lowering procedure (at platform control) (ANSI/CSA)
	147156	1	LABEL, Emergency lowering procedure (at platform control) (CE)
4	138387	1	LABEL, Drive/steer controller (Not included in kit)
5	138390	1	LABEL, Boom engine controls (Not included in kit)
6	142428	1	LABEL, Boom rotary pot (Not included in kit)
7	138386	1	LABEL, Boom controls horn/e-stop (ANSI/CSA) (Not included in kit)
	147137	1	LABEL, Boom controls e-stop/engine enable (CE) (Not included in kit)
8	146151	1	LABEL, Glow plug procedure pictorial (Not included in kit)
9	147102	1	LABEL, Overload indicator (CE) (Not included in kit)
10	142449	1	LABEL, Boom lights/gen/fuel selector (ANSI/CSA) (Not included in kit)
	147103	1	LABEL, Boom lights/gen/horn selector (CE) (Not included in kit)

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Index No.	Skyjack Part No.	Qty.	Description
1	138411	1	WELDMENT, Turret
2	(Ref.)	1	ROTARY MANIFOLD ASSEMBLY *(For components, refer to 4.11 Rotary Manifold - S/N 98 000 621 & below)* *(For components, refer to 4.12 Rotary Manifold - S/N 98 000 622 & above)*
3	(Ref.)	1	MOUNT, Rotary manifold *(For components, refer to 4.11 Rotary Manifold - S/N 98 000 621 & below)* *(For components, refer to 4.12 Rotary Manifold - S/N 98 000 622 & above)*
4	103999	4	WASHER, Lock (0.375)
5	(Ref.)	1	MANIFOLD, Rotary (9 port) *(For components, refer to 4.11 Rotary Manifold - S/N 98 000 621 & below)* *(For components, refer to 4.12 Rotary Manifold - S/N 98 000 622 & above)*
6	(Ref.)	1	GEAR, Turret rotation *(For components, refer to 6.1 Base, Axles and Wheels)*
7	701762	24	BOLT, Hex head (0.625-11 x 4.5, Grade 8)
8	700782	26	WASHER, Flat (0.625)
9	(Ref.)	1	POWER UNIT, Emergency *(For components, refer to 4.14 Emergency Power Unit)*
10	(Ref.)	1	FUEL TANK ASSEMBLY (GM engine) *(For components, refer to 4.16 Fuel Tank - Gasoline)*
	(Ref.)	1	FUEL TANK ASSEMBLY (Deutz engine) *(For components, refer to 4.17 Fuel Tank - Diesel)*
11	(Ref.)	1	MAIN CONTROL VALVE ASSEMBLY *(For components, refer to 4.9 Main Mainfold)*
12	(Ref.)	1	BRAKE CONTROL VALVE ASSEMBLY *(For components, refer to 4.10 Brake Manifold)*
13	(Ref.)	1	AXLE LOCKOUT VALVE ASSEMBLY *(For components, refer to 4.7 Axle Lockout Valve)*
14	(Ref.)	1	BASE CONTROL CONSOLE ASSEMBLY **(Deutz engine)** *(For components, refer to 4.19 Base Control Console - Deutz with External Tilt Switch)* *(For components, refer to 4.20 Base Control Console - Deutz with Internal Tilt Switch)*
	(Ref.)	1	BASE CONTROL CONSOLE ASSEMBLY **(GM engine)** *(For components, refer to 4.21 Base Control Console - GM with External Tilt Switch)* *(For components, refer to 4.22 Base Control Console - GM with Internal Tilt Switch)*
15	(Ref.)	1	HYDRAULIC TANK ASSEMBLY *(For components, refer to 4.15 Hydraulic Tank)*
16	(Ref.)	1	MASTER CYLINDER ASSEMBLY *(For components, refer to 3.3 Master Cylinder)*
17	138815	2	SCREW, Socket head cap (0.5-13 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

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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

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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