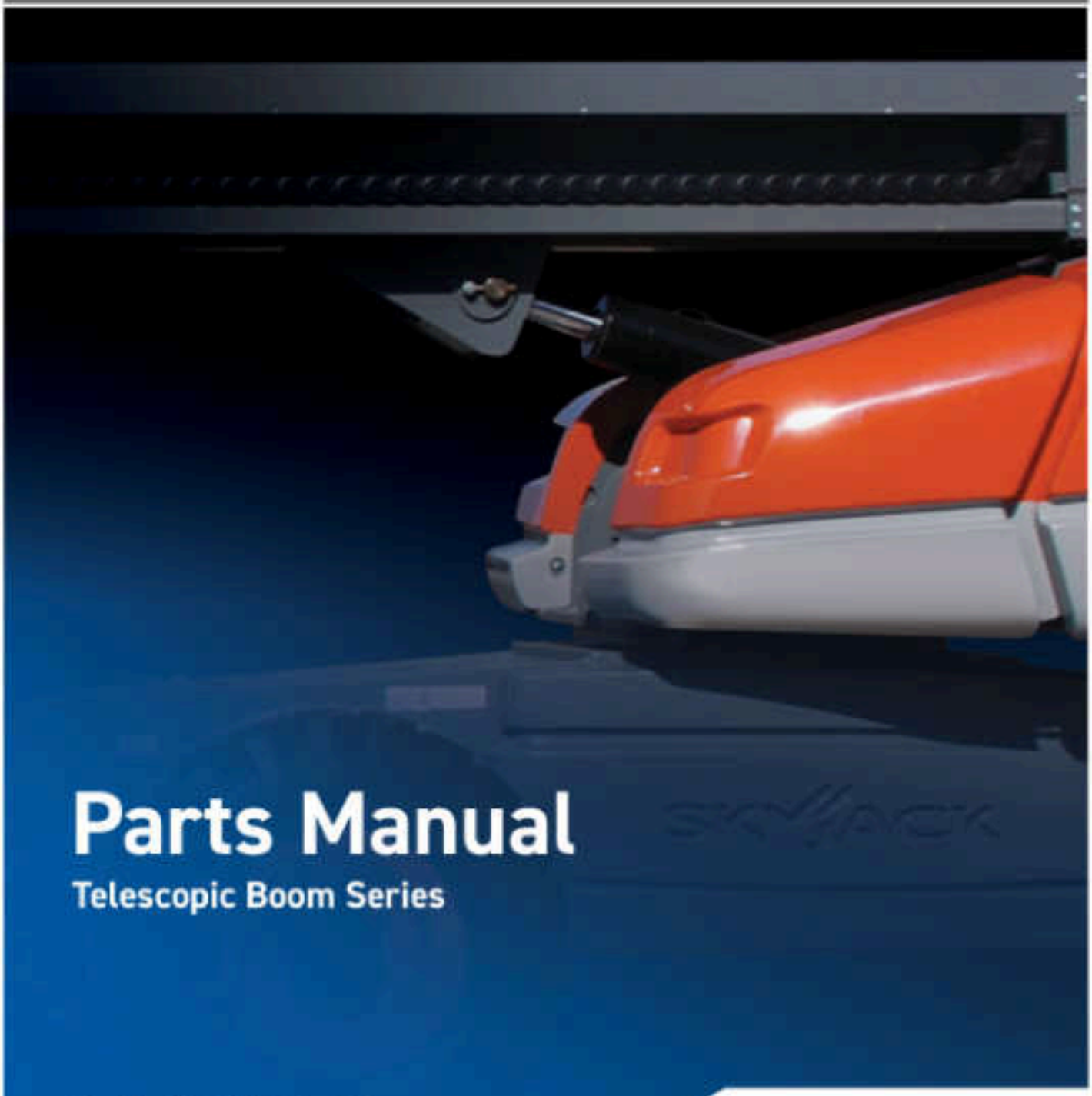
MODELS | SJ61T SJ66T



Parts Manual

Telescopic Boom Series

Part No. 143870AK June 2024

SKYJACK

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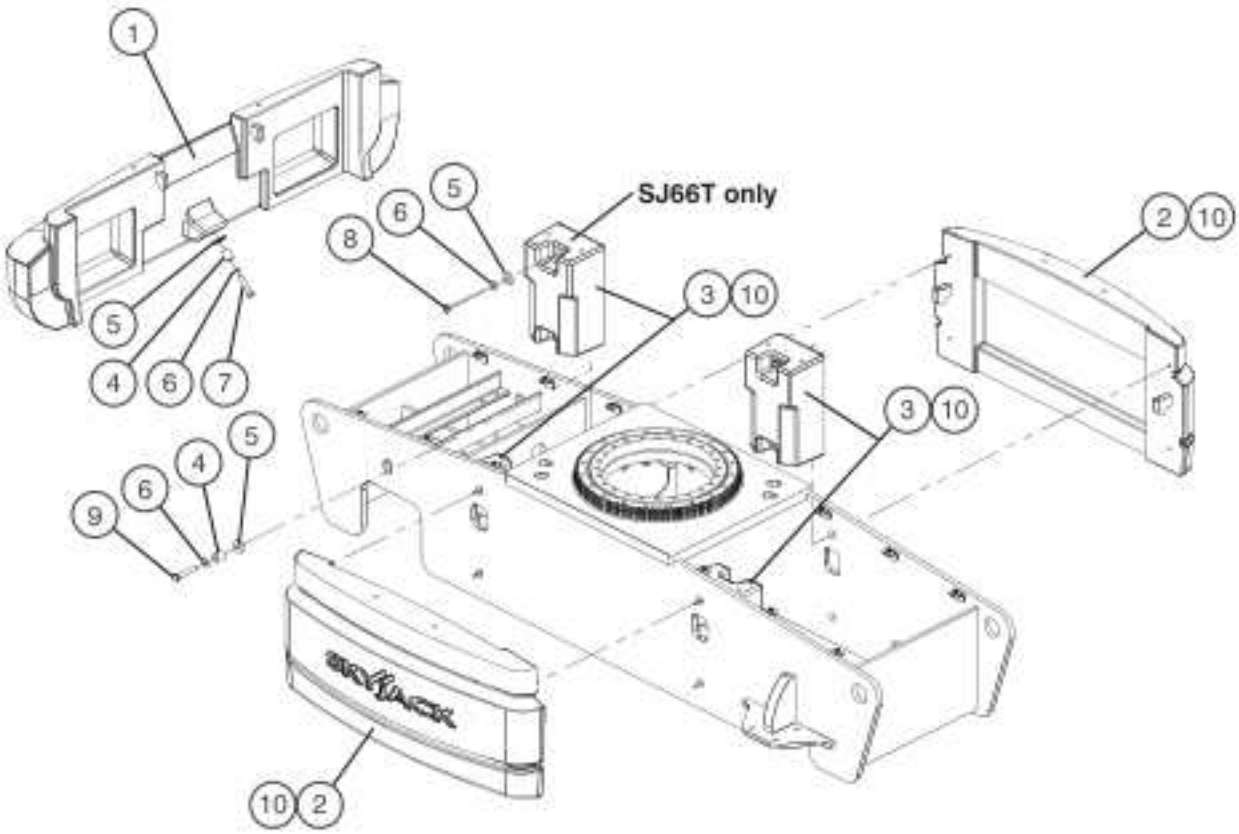
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4.15 Fuel Tank Assembly (GM dual fuel engine)

Index No.	Skyjack Part No.	Qty.	Description
-	148478	1	FUEL TANK ASSEMBLY (Gasoline, steel)
1	148479	1	• TANK, Fuel (steel)
2	117701	1	• PLUG (3/4"-16UNF with magnet)
3	136369	1	• CAP, Fuel (filler non-vented)
4	138230	1	• SWITCH, Fuel level
5	103155	2	• FITTING, Brass tank (#T68-5B)
6	144338	2	• TUBE, Fuel send/return
7	148422	1	• GAUGE, Level
8	144392	1	• VALVE, Dual action
9	138739	4	BOLT, Hex head (3/8"-16 x 3/4", Grade 5)
10	127067	4	WASHER, Flat (3/8", Style BB)
11	142397	9	FITTING, Quick disconnect (straight)
12	116997	1	BOLT, Hex head (1/2"-13 x 3/4", Grade 5)
13	103470	1	WASHER, Lock (1/2")
14	103468	1	WASHER, Flat (1/2")
15	103861	2	BOLT, Hex head (1/4"-20 x 2", Grade 5)
16	104000	2	WASHER, Lock (1/4")
17	103995	2	WASHER, Flat (1/4")
18	(Ref.)	1	PUMP, Fuel (For components, refer to 7.4 Engine Assembly (GM Dual Fuel Engine))
19	(Ref.)	1	FILTER, Fuel (For components, refer to 7.4 Engine Assembly (GM Dual Fuel Engine))
20	(Ref.)	1	MANIFOLD, Fuel (For components, refer to 7.4 Engine Assembly (GM Dual Fuel Engine)))
21	146796	1	TRAY, Fuel tank
22	103473	4	BOLT, Hex head (3/8"-16 x 1", Grade 5)
23	103999	6	WASHER, Lock (3/8")
24	103472	8	WASHER, Flat (3/8")
25	103976	2	NUT, Hex head (3/8"-16, Grade 5)
26	103596	2	BOLT, Hex head (3/8"-16 x 2", Grade 5)
27	(Ref.)	-	FUEL (For components, refer to 11.1 Boom Fluids Table)

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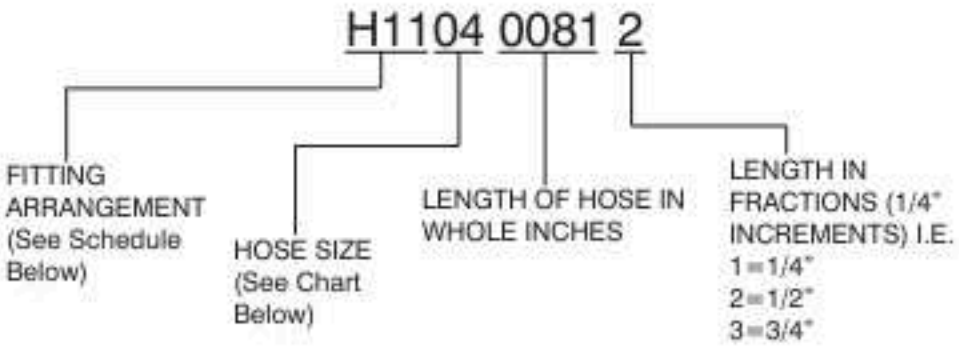
Index No.	Skyjack Part No.	Qty.	Description
A	(Ref.)	-	COUNTERWEIGHT ASSEMBLY (SJ61T)
B	(Ref.)	-	COUNTERWEIGHT ASSEMBLY (SJ66T)
1	147512	1	• COUNTERWEIGHT, Front, A
1	147403	1	• COUNTERWEIGHT, Front, B
2	147423	2	• COUNTERWEIGHT, Outer side
3	146982	4	• COUNTERWEIGHT, Inner side, B
4	146746	9	• SPACER, A
	146746	1	• SPACER, B
5	146983	9	• WASHER, Counterweight
6	702194	9	• WASHER, Flat (3/4", hardened)
7	146887	1	• BOLT, Hex head (3/4"-10 x 4", Grade 8, zi)
8	156724	8	• BOLT, Hex head (3/4"-10 x 8.0", Grade 8)
9	138276	8	• BOLT, Hex head (3/4"-10 x 4.5", Grade 8)
10	144105	4	• PLUG, Threaded hole (3/4"), A
	144105	12	• PLUG, Threaded hole (3/4"), B

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Index No.	Skyjack Part No.	Qty.	Description
A	144186	1	12kW GENERATOR CONNECTION ASSEMBLY (Model SJ61T)
B	144187	1	12kW GENERATOR CONNECTION ASSEMBLY (Model SJ66T)
1	144173	1	• ENCLOSURE, Electrical
2	144367	2	• STRAIN RELIEF (1")
3	103041	1	• CONNECTOR, Strain relief (1/4", blue)
4	103856	4	• BOLT, Hex head (1/4"-20 x 3/4")
5	103995	4	• WASHER, Flat (1/4")
6	115649	4	• NUT, Hex nylon lock (1/4"-20, Grade 5)
7	102874	4.5"	• DINRAIL
8	104694	2	• WASHER, Flat (#10)
9	115545	2	• SCREW, Round head machine (10-32 x 3/8")
10	141631	1	• BREAKER, Circuit (50AMP)
11	141630	1	• BREAKER, Circuit (15AMP)
12	144185	1	• TERMINAL BLOCK, Through (3-COND 8 AWG)
13	144184	1	• TERMINAL BLOCK, Ground (3-COND 8 AWG)
14	144368	1	• END PLATE
15	707147	1	• END STOP
16	(Ref.)	-	• CABLE (runs through power track) (For components, refer to 9.12 Generator Wire Assemblies - 12kW generator)
17	(Ref.)	-	• CABLE ASSEMBLY (Generator to CB5) (For components, refer to 9.12 Generator Wire Assemblies - 12kW generator)
18	(Ref.)	-	• 110V CABLE ASSEMBLY (12kW generator) (For components, refer to 9.12 Generator Wire Assemblies - 12kW generator)
19	(Ref.)	-	• GROUND WIRE ASSEMBLY (For components, refer to 9.12 Generator Wire Assemblies - 12kW generator)
20	141614	1	• ELECTRICAL COMPONENT ASSEMBLY
21	139835	1	• • FD BOX, Receptacle (50A)
22	139832	1	• • RECEPTACLE, Single locking
23	139836	1	• • COVER, Weather resistant (50A)
24	104694	2	• • WASHER, Flat (#10)
25	120094	2	• • SCREW, Round head machine (10-32 x 5/8")
26	702613	1	• STRAIN RELIEF (1"-18)
27	(Ref.)	-	• WIRES, Jumper (For components, refer to 9.12 Generator Wire Assemblies - 12kW generator)
28	117326	1	CIRCUIT BREAKER (20 Amp)
29	127131	1	RELAY, 12V (40 AMP)
L1	141692	1	LABEL, Hazardous Voltage

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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.

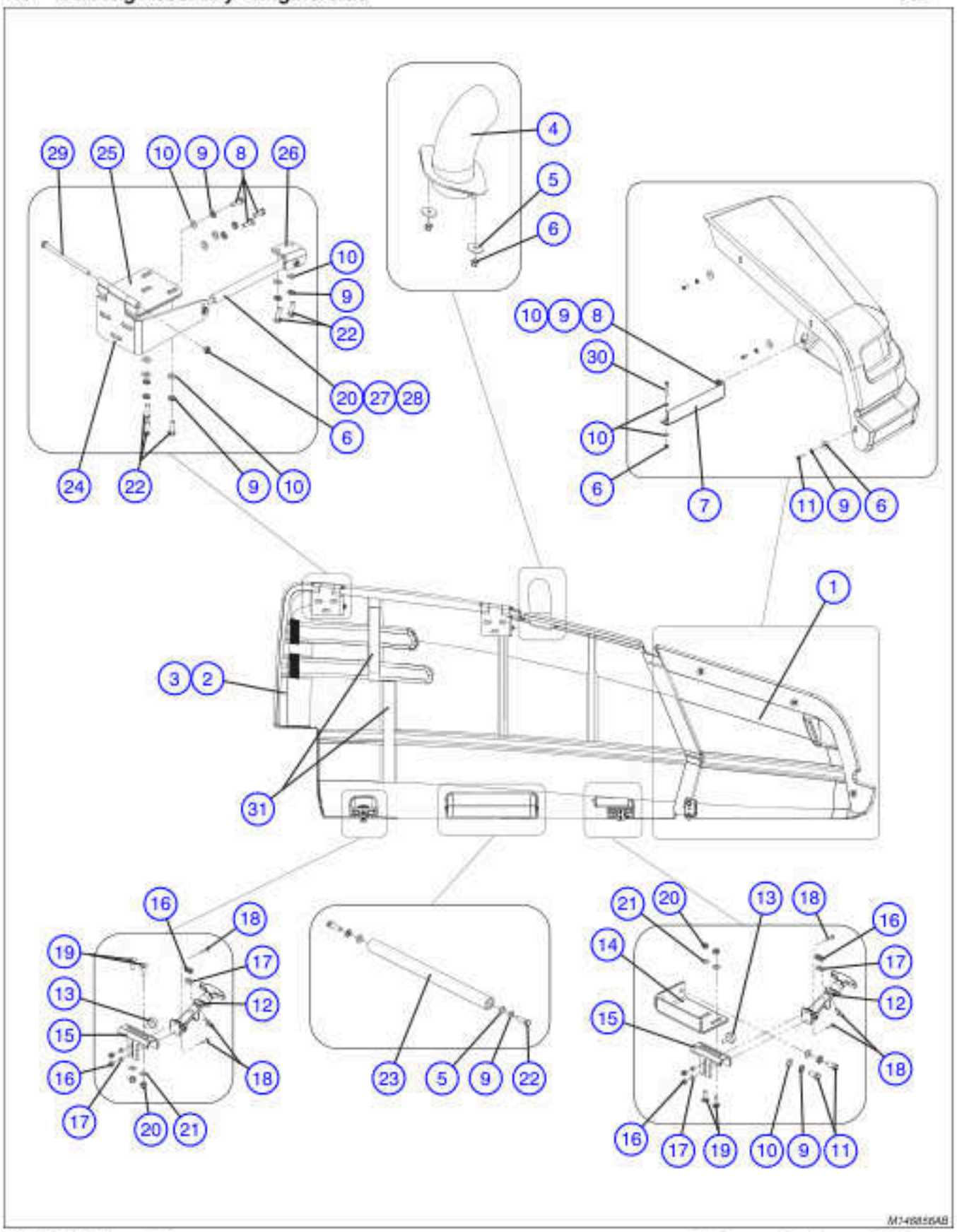
Hose Size Chart

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, 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

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