

SERVICE MANUAL (ANSI/CSA)

DC ELECTRIC SCISSORS

MODELS SJIII 3220 SJIII 3226 SJIII 4620 SJIII 4626 SJIII 4632

157928AP October 2025

SKYJACK

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Table 2.1 Specifications and Features (Continued)

MODEL	4620	4626	4632
Weight *	4100 lb. 1860 kg	4700 lb. 2132 kg	5075 lb. 2302 kg
Overall width	46" 1.17 m		
Overall length	91" 2.31 m		
Platform Size (inside)	42" x 84" 1.07 m x 2.13 m		
Height			
Working Height	26' 7.92 m	32' 9.75 m	38' 11.6 m
Platform Elevated Height	20' 6.1 m	26' 7.9 m	32' 9.8 m
Stowed Platform Height	38" 0.97 m	45" 1.14 m	48.5" 1.23 m
Stowed Height Railings Up	77.25" 1.96 m	84.5" 2.15 m	88" 2.24 m
Drive Height	FULL		
Standard Operating Time			
Lift Time (No Load)	24 s	48 s	50 s
Lower Time (No Load)	48 s	45 s	62 s
Lift Time (Rated Load)	32 s	49 s	54 s
Lower Time (Rated Load)	32 s	37 s	57 s
Chassis			
Normal Drive Speed	2.20 mph 3.5 km/h		
Elevated Drive Speed	0.56 mph 0.90 km/h		
High Torque Drive Speed	1.20 mph 1.9 km/h		
Gradeability	25%		
Tires	16 x 5 x 12 Solid Rubber		
Hydraulic Oil			
Type	ATF Dexron III		
	Shell Naturelle HF-E 32		
Tank Capacity	5.8 gal. 24 L		

1056ND_ANSI_Specs_460X

* Weight with standard 3' (0.9 m) or 4' (1.2 m) extension platform.
Refer to serial nameplate for specific applications.
† Fill hardness: 55 Durometer

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3.14 Harness Wire Diagrams

HORN/FLASHING LIGHT HARNESS



TILT SWITCH HARNESS



CHARGER CUTOUT HARNESS



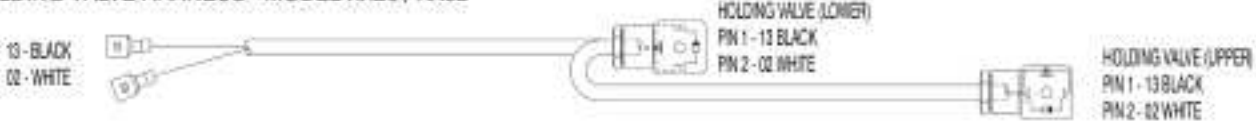
CHARGER CUTOUT HARNESS - EE RATED MODELS



HOLDING VALVE HARNESS - MODEL XX20



HOLDING VALVE HARNESS - MODEL XX26 / XX32



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Introduction - Troubleshooting

The following pages contain a table of Troubleshooting Information for locating and correcting most service trouble which can develop. Careful and accurate analysis of the systems listed in the table of Troubleshooting Information will localize the trouble more quickly than any other method. This manual cannot cover all possible troubles and deficiencies that may occur. If a specific trouble is not listed, isolate the major component in which the trouble occurs, isolate whether the problem is electrical or hydraulic, and then isolate and correct the specific problem.

The content of this section is separated into "probable cause" and "remedy." The information preceded by a number represents the "probable cause." The following line, noted by a dash represents the "remedy" to the "probable cause" directly above it. See example below for clarification.

1. Probable Cause
   - Remedy

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Table 2.7 Torque Specifications for Hydraulic Couplings & Hoses

HYDRAULIC COUPLING TORQUE CHART O-Ring Port Connectors				
SAE Size	Steel Ports		Non-ferrous Ports	
	ft-lb	Nm	ft-lb	Nm
4	14-16	20-22	9-10	12-13
6	24-26	33-35	15-16	20-21
8	50-60	68-78	30-36	41-47
10	72-80	98-110	43-48	60-66
12	125-135	170-183	75-81	102-110
16	200-220	270-300	120-132	162-180
20	210-280	285-380	126-168	171-228
24	270-360	370-490	162-216	222-294
32	-	-	-	-

HOSE END TORQUE CHART for JIC									
Size		Steel				Brass			
Dash	Frac.	ft-lb		Nm		ft-lb		Nm	
		Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
-4	1/4"	10	11	13	15	5	6	6.75	9
-6	3/8"	17	19	23	26	12	15	17	20
-8	1/2"	34	38	47	52	20	24	27.66	33
-10	5/8"	50	56	69	76	34	40	46.33	55
-12	3/4"	70	78	96	106	53	60	72.33	82
-16	1"	94	104	127	141	74	82	100.5	111
-20	1 1/4"	124	138	169	188	75	83	101.5	113
-24	1 1/2	156	173	212	235	79	87	107	118
-32	2"	219	243	296	329	158	175	214	237

HOSE END TORQUE CHART for Flat-Face O-Ring Seal (Steel)					
Size		Torque Specification			
Dash	Frac.	ft-lb		Nm	
		Min.	Max.	Min.	Max.
-4	1/4"	10	12	14	16
-6	3/8"	18	20	24	27
-8	1/2"	32	40	43	54
-10	5/8"	46	56	60	75
-12	3/4"	65	80	90	110
-14	1"	65	80	90	110
-16	1 1/4"	92	105	125	240
-20	1 1/2	125	140	170	190
-24	2"	150	180	200	245

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Electrical System

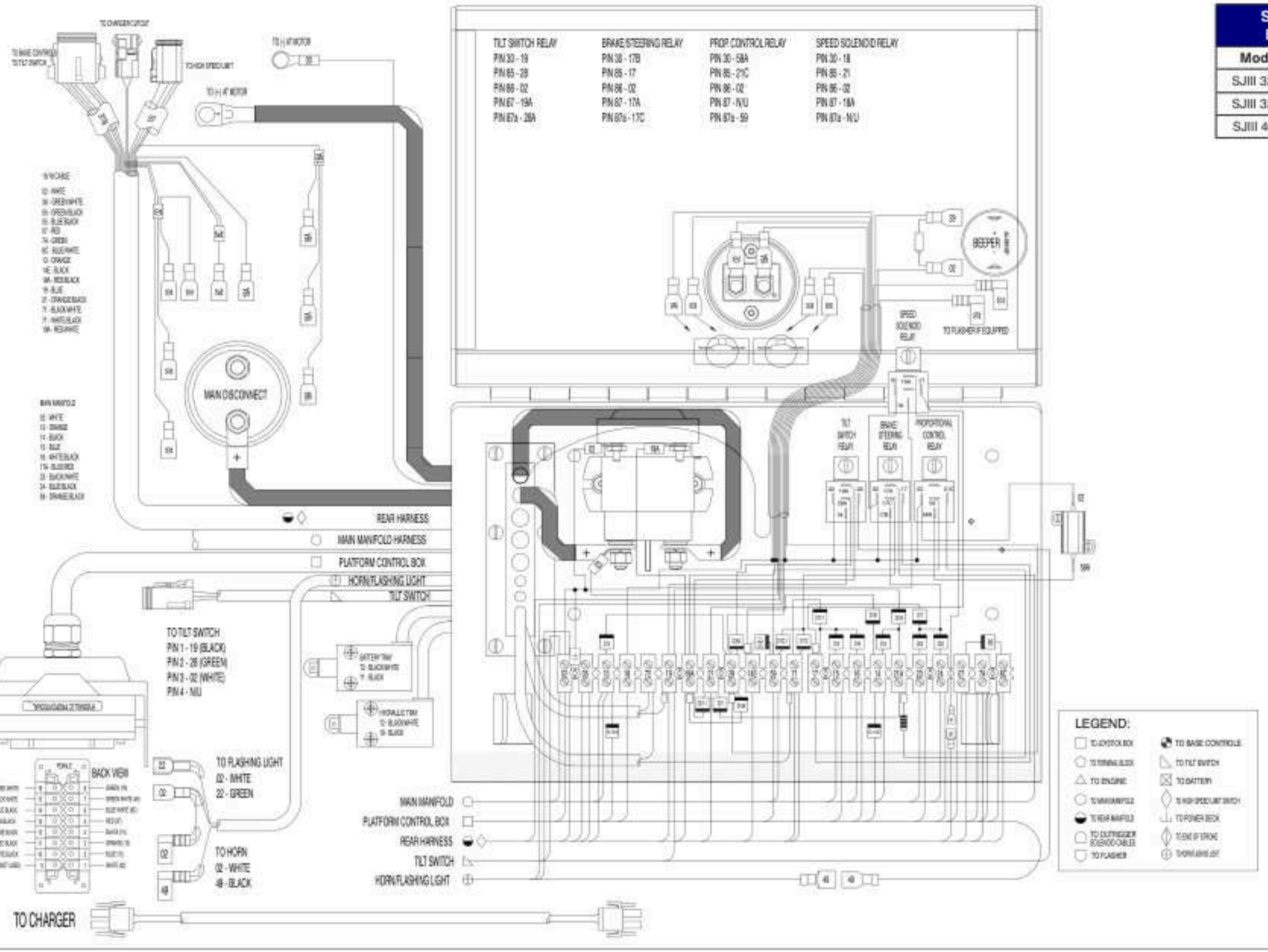
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3.23c Electrical Panel Diagram (EE Rated)

A	B	C	D	E	F	G	H

Serial Breakdown Reference Chart	
Model	**Serial Number**
SJIII 3220	60007078 & Above
SJIII 3226	27032455 & Above
SJIII 46xx	70032134 & Above



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