SKYJACK

SERVICE MANUAL

SJ3220, SJ3226, SJ4720, SJ4726, SJ4732

DC ELECTRIC SCISSORS



223198AFA
July 01 2026
ANSI/CSA, CE, AS, KC

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Table 2.12 Specifications & Features - SJ3220

	SJ3220		ANSI/CSA		CE	AS & KC
Weight & Dimensions	Weight*	with Rollout	3917 lb	1776 kg	1967 kg	1776 kg
		with Powerdeck	4304 lb	1952 kg	N/A	N/A
	Overall width		33 in	0.84 m	0.84 m	0.84 m
	Overall length (Platform etracted)	with Rollout	91.61 in	2.33 m	2.33 m	2.33 m
		with Powerdeck	7 ft 9.44 in	2.37 m	N/A	N/A
	Overall Length (Platform xtended)	with Rollout	124.81 in	3.17 m	3.17 m	3.17 m
		with Powerdeck	161.96 in	4.11 m	N/A	N/A
	Platform Size Inside (Platform Retracted)		27.56 in x 82.75 in	0.7 m x 2.10 m	0.70 m x 2.10 m	0.70 m x 2.10 m
	Platform Size Inside (Platform Extended)	with Rollout	27.56 in x 115.95 in	0.7 m x 2.95 m	0.70 m x 2.95 m	0.70 m x 2.95 m
		with Powerdeck	27.56 in x 151.88 in	0.70 m x 3.86 m	N/A	N/A
Height	Working Height		25 ft 6.1 in	7.78 m	7.95 m	7.95 m
	Platform Elevated Height		19 ft 6.1 in	5.95 m	5.95 m	5.95 m
	Stowed Height (Railings Down)		68.96 in	1.75 m	1.75 m	1.75 m
	Stowed Height (Railings Up)		82.85 in	2.10 m	2.10 m	2.10 m
	Elevated Drive Speed Trip Height		82 in	2.08 m	2.08 m	2.08 m
	Pothole Drive Cutout Height		80.5 in	2.04 m	2.04 m	2.04 m
	Drive Height		Full		Full	Full
Speed & Gradeability	Lift Time (No Load)		24 s		23 s	24 s
	Lift Time (Rated Load)		28 s		28 s	28 s
	Lower Time (No Load)		32 s		34 s	32 s
	Lower Time (Rated Load)		24 s		24 s	24 s
	Normal Drive Speed		2.4 mph	3.88 km/h	3.70 km/h	3.70 km/h
	Elevated Drive Speed (max)		0.6 mph	0.97 km/h	0.97 km/h	0.97 km/h
	Gradeability (Ramp Angle)		25%			
Tilt	Tilt Switch Setting - Front to Rear		3.5°			
	Tilt Switch Setting - Side to Side		1.5°			
Fluids	Hydraulic Oil Type		ATF Dexron III, Shell Naturelle HF-E 32			
	Hydraulic Tank Capacity		8 gal	30.3 L		
	Brake Hub Oil Type		SAE 20W			
	Brake Hub Oil Quantity		6.09 oz	180 mL		
Attributes	System Pressure*		3250 psi	224 bar		
	Lift Pressure*		1500-1700 psi	103-117 bar		
	Battery Pack Voltage		24 V			
	Tires (Solid Rubber)		16 x 5 x 12			
	Sound pressure level at platform (max)		70 db(A)			

**Refer to serial nameplate for specific applications.*
***Refer to Section 5 for the adjustment procedure.*

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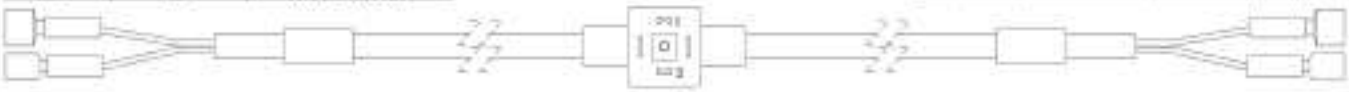
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3.16 Electrical Harnesses

Holding Valve Harness

LABEL	TERMINAL	COLOUR
13	1	BLACK (+12 VDC)
00C	2	WHITE (GND)

LABEL	TERMINAL	COLOUR
13	1	BLACK (+12 VDC)
00D	2	WHITE (GND)



Dual Holding Valve Harness

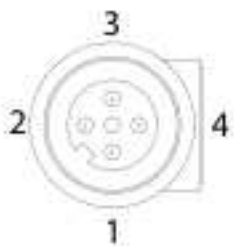
LABEL	TERMINAL	COLOUR
13	1	BLACK (+12 VDC)
00C	2	WHITE (GND)

LABEL	TERMINAL	COLOUR
13	1	BLACK (+12 VDC)
00D	2	WHITE (GND)

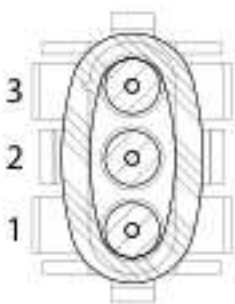


Pressure Transducer Harness





M12 CONNECTOR	MOLEX CONNECTOR	WIRE NUMBER	WIRE COLOUR
PIN 1	PIN 1	910	BROWN
PIN 2	NOT USED	-	-
PIN 3	PIN 3	902	BLUE
PIN 4	PIN 2	60A	BLACK



Prop Lowering Valve Harness (CE Only)

CIRCUIT #	COLOR	DESCRIPTION
00	WHITE	GROUND
13C	BLACK	+24 VDC PROP. LOWER



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Section 4 – Troubleshooting Information

4.1 Introduction

The following pages contain a table of Troubleshooting for locating and correcting most service trouble which can develop. Careful and accurate analysis of the systems listed in the table of Troubleshooting 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 in the left-hand column, preceded by a number, represents the "probable cause." The information in the right-hand column, in bold text, represents the "remedy" to the "probable cause" directly beside it. See the example below for clarification.

1. Probable cause	**Remedy**

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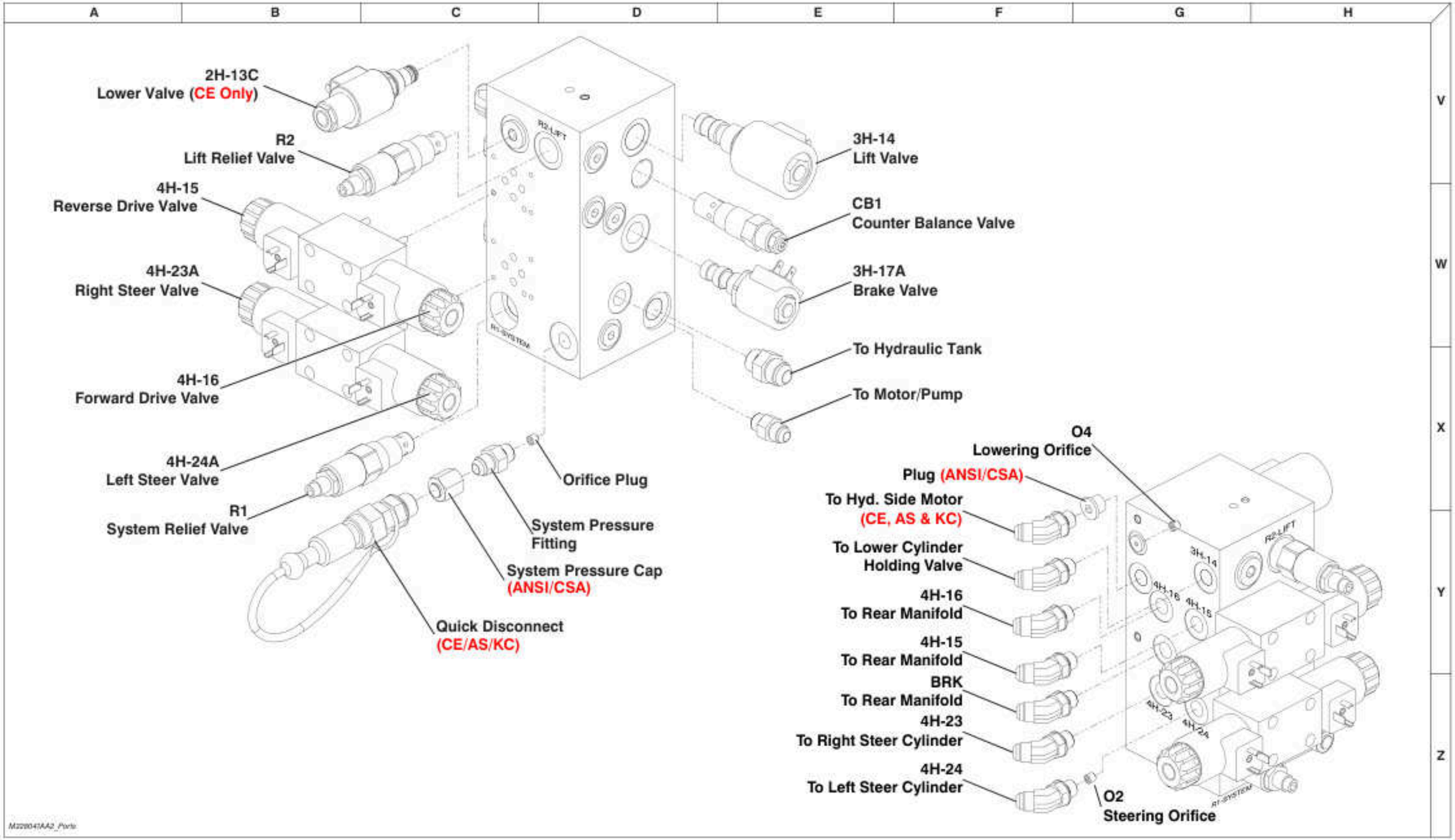
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3.4 Hydraulic Parts List

Index No.	Skyjack Part No.	Description
2H-13C-1	103655	VALVE, Upper
2H-13C-2	103655	VALVE, Lower
2H-13C	220950	VALVE, Lower *(CE Only)*
2H-18A	104132	VALVE, Differential
3H-14	106273	VALVE, Lift
3H-17A	103623	VALVE, Brake
3H-18A-1	103623	VALVE, Speed Valve B
3H-18A-2	103623	VALVE, Speed Valve A
4H-15	153334	VALVE, Reverse *(ANSI/CSA)*
	199986	VALVE, Reverse *(CE, AS & KC)*
4H-16	153334	VALVE, Forward *(ANSI/CSA)*
	199986	VALVE, Forward *(CE, AS & KC)*
4H-23A	153334	VALVE, Steer Right
4H-24A	153334	VALVE, Steer Left
4H-26	113953	VALVE, Powerdeck Cylinder Extend *(ANSI/CSA Only)*
4H-27	113953	VALVE, Powerdeck Cylinder Retract *(ANSI/CSA Only)*
C1	162715	CYLINDER, Steer
C2	220455	CYLINDER, Lower Scissor
C3	220455	CYLINDER, Upper Cylinder
C4	204005	CYLINDER, Pin Brake *(ANSI/CSA Only)*
C5	159239	CYLINDER, Powerdeck *(ANSI/CSA Only)*
CB1	147889	COUNTERBALANCE, Motors
F1	109568	FILTER, Return
	108628	FILTER, Return *(SJ4726 ACPP)*
FD1	103354	FLOW DIVIDER
M1	194615	MOTOR, Left *(SJ3220/26 ANSI/CSA)*
	134573	MOTOR/BRAKE, Left *(SJ3220/26 CE, AS, KC)*
	208918	MOTOR, Left *(SJ4720/26/32 ANSI/CSA)*
	162353	MOTOR/BRAKE, Left *(SJ4720/26/32 CE, AS, KC)*
M2	194615	MOTOR, Right *(SJ3220/26 ANSI/CSA)*
	134573	MOTOR/BRAKE, Right *(SJ3220/26 CE, AS, KC)*
	208918	MOTOR, Right *(SJ4720/26/32 ANSI/CSA)*
	162353	MOTOR/BRAKE, Right *(SJ4720/26/32 CE, AS, KC)*
MB1	228035	MANIFOLD, Main *(SJ3220/26 ANSI/CSA)*
	228037	MANIFOLD, Main *(SJ3220, SJ4720/32 CE)*
	228038	MANIFOLD, Main *(SJ3226, SJ4726 CE)*
	228039	MANIFOLD, Main *(SJ3220 AS, KC)*
	228040	MANIFOLD, Main *(SJ3226, SJ4720/26/32 AS, KC)*
	228036	MANIFOLD, Main - Powerdeck *(ANSI/CSA Only)*
MB2	199661	MANIFOLD, Rear *(SJ3220/26, SJ4720/26/32 ANSI/CSA)*
	204420	MANIFOLD, Rear *(SJ3220/26 CE, AS, KC)*
	211845	MANIFOLD, Rear *(SJ4720/26/32 CE, AS, KC)*

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3.29 Main Manifold MB1



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