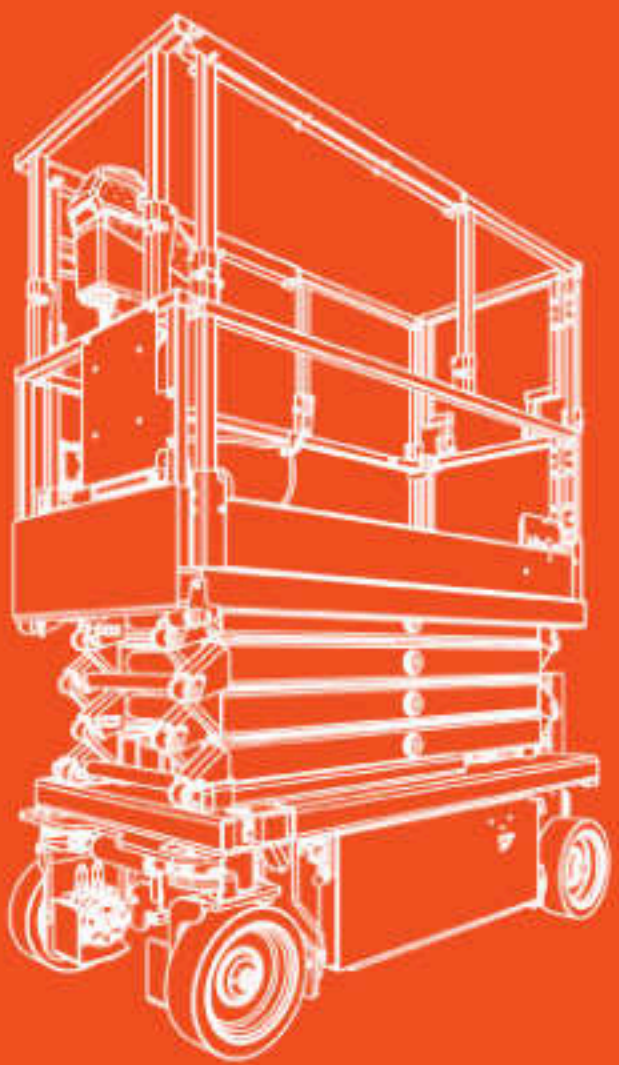
SKYJACK

SERVICE MANUAL

SJ3215, SJ3219

DC ELECTRIC SCISSORS



212508AGA
July 08 2026
ANSI/CSA, CE, AS, KC

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Table 2.8 Specifications & features - SJ3215

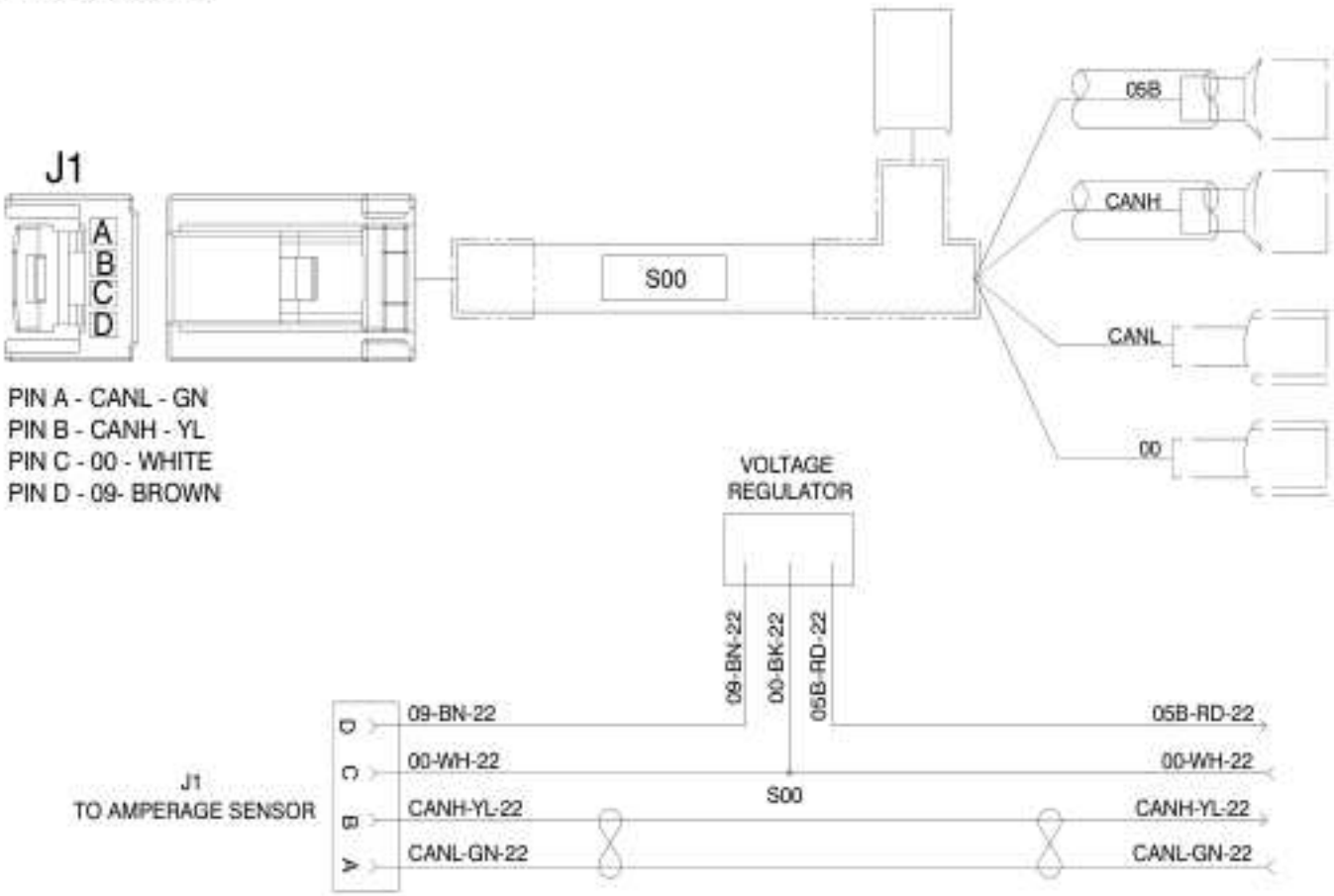
	SJ3215		ANSI/CSA		CE	AS	KC
Weight & Dimensions	Weight*		2531 lb	1148 kg	1148 kg	1148 kg	1148 kg
	Overall width		32.28 in	0.82 m	0.82 m	0.82 m	0.82 m
	Overall length (Platform Retracted)		70.87 in	1.80 m	1.80 m	1.80 m	1.80 m
	Overall Length (Platform Extended)		N/A	N/A	2.64 m	2.64 m	2.64 m
	Platform Size Inside (Platform Retracted)		25.59 in x 60.63 in	0.65 m x 1.54 m	0.65 m x 1.54 m	0.65 m x 1.54 m	0.65 m x 1.54 m
	Platform Size Inside (Platform Extended)		25.59 in x 94.09 in	0.65 m x 2.39 m	0.65 m x 2.39 m	0.65 m x 2.39 m	0.65 m x 2.39 m
Height	Working Height		21 ft 2 in	6.27 m	6.44 m	N/A	6.44 m
	Platform Elevated Height		14 ft 4 in	4.44 m	4.44 m	4.44 m	4.44 m
	Stowed Height (Railings Down)		65.75 in	1.67 m	1.67 m	N/A	N/A
	Stowed Height (Railings Up)		79.92 in	2.03 m	2.03 m	1.88 m	1.92 m
	Elevated Drive Speed Trip Height		84 in	2.13 m	2.13 m	2.13 m	2.13 m
	Pothole Drive Cutout Height		86.5 in	2.20 m	2.20 m	2.20 m	2.20 m
	Drive Height		Full	Full	Full	Full	Full
Speed & Gradeability	Lift Time (No Load)		15 s		16 s	15 s	15 s
	Lift Time (Rated Load)		17 s		17 s	17 s	17 s
	Lower Time (No Load)		22 s		25 s	22 s	22 s
	Lower Time (Rated Load)		16 s		18 s	16 s	16 s
	Normal Drive Speed		2.1 mph	3.38 km/h	3.38 km/h	3.38 km/h	3.38 km/h
	Elevated Drive Speed (max)		0.7 mph	1.13 km/h	1.13 km/h	1.13 km/h	1.13 km/h
	Gradeability (Ramp Angle)		25%				
Tilt	Tilt Switch Setting - Front to Rear		3.5°				
	Tilt Switch Setting - Side to Side		1.5°				
Attributes	Hydraulic Oil Type		ATF Dexron III, Shell Naturelle HF-E 32				
	Hydraulic Tank Capacity	*S/N A100 026 027 & above*	2.1 gal	8 L			
		S/N A100 026 026 & below	2.6 gal	10 L			
	System Pressure**		3250 psi	224 bar			
	Lift Pressure**		2100-2200 psi	145-152 bar			
	Battery Pack Voltage		24 V				
	Tires (Solid Rubber)		12 x 4 x 8				
	Sound pressure level at platform (max)		70 db(A)				

** Weight with standard 0.9 m extension platform. Refer to serial nameplate for specific applications.* 2207AF-1
***Refer to Section 5 for the adjustment procedure.*

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3.14 Battery management system harness

BMS Harness



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5.4-4 Charger troubleshooting

The IC Series charger is continuously monitoring itself and its environment for unusual conditions. There are a few indications that may require the attention of the user.

Symptom	Recommended Action
No Indicator Lights	Check AC voltage and connection to wall power.
Only Blue AC Light On	Charger is connected to AC and is waiting for a battery to be connected, or for CAN remote control commands. Battery voltage must rise over 0.1V/cell before charging will begin. Some charging algorithms require a higher battery voltage to begin.
Solid Red Fault/Error Indicator	Read fault code (e.g., F-0-0-1) number on the Charge Algorithm/Error Display and refer to the fault code table.
Flashing Amber Fault/Error Indicator	Read error code (e.g., E-0-0-1) number on the Charge Algorithm/Error Display and refer to the error code table.

5.4-5 Charger fault codes

Fault Code	Description	Troubleshooting/Customer Actions
F-0-0-1	DC-DC Failure: LLC excessive leakage fault.	Internal charger fault. Disconnect AC and battery from charger for a minimum of 30 seconds. If it fails again, contact Skyjack service.
F-0-0-2	Power Factor Correction (PFC) Failure: PFC excessive leakage fault.	
F-0-0-3	PFC has taken too long to boost.	
F-0-0-4	The charger has been unable to calibrate the current offset.	
F-0-0-5	The voltage drop across the DC relay is too high while the relay is closed.	
F-0-0-6	Large difference between internal DC-DC and battery sense currents.	

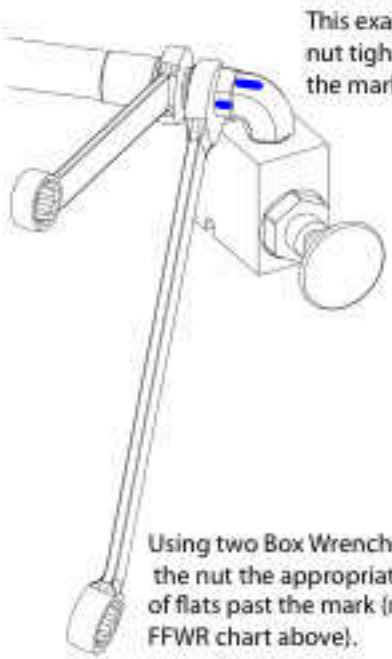
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6. Referencing the chart below, use a second box wrench to tighten the nut the appropriate number of flats past the mark. Do NOT over tighten it.

FLATS FROM WRENCH RESISTANCE CHART for JIC Hose Ends			
Size		FFWR	
Dash	Frac. (in.)	37° Tube Nut	Swivel Nut
-4	1/4"	2	1.5
-5	5/16"	2	2
-6	3/8"	1.5	1.5
-8	1/2"	1.5	1.25
-10	5/8"	1.5	-
-12	3/4"	1.25	-
-16	1"	1	-
-20	1 1/4"	1	-
-24	1 1/2	1	-
-32	2"	1	-



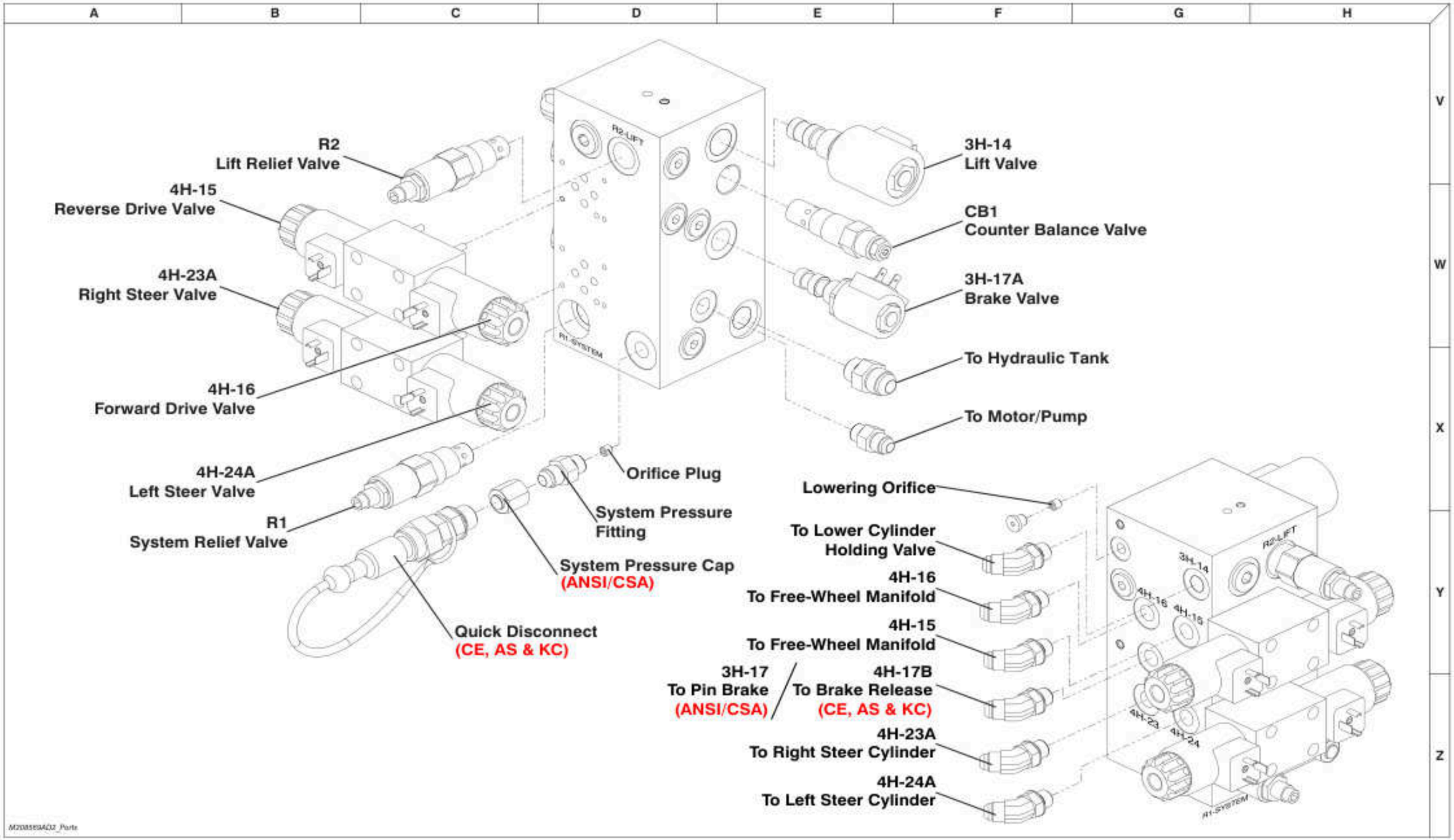
This example shows the nut tightened 1 flat past the mark.

Using two Box Wrenches, tighten the nut the appropriate number of flats past the mark (refer to the FFWR chart above).

7. Apply a drop of torque seal to the connection.

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3.22 Main manifold MB1



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