SKYJACK

MAINTENANCE & PARTS MANUAL



ANSI/CSA, CE, AS
129930AH September 5 2024

SJ-1000 Series

Engine Powered

Models: ROUGH TERRAIN SERIES
SJ9250

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Introduction

The following pages contain a table of troubleshooting information for locating and correcting most service trouble which can develop. Careful inspection 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 and a greater indentation represents the "remedy" to the "probable cause" directly above it. See example below for clarification.

1. Probable Cause
   -Remedy

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5.9 Rough Terrain Scissor Fluids (Continued) AE

ENGINE OIL					
Engine Type	*Qty. (Liters)	*Qty. (Gallons)	Oil Type, Viscosity	Skyjack Part No.	Recommended Equivalent Oil (Viscosity - API Service Designation)
Kubota D902	3.9	1.03	Engine Oil, SAE 10W-30	106287	10W30 - API Service Designation CG-4, CF-4, CF, CD, SH.
Kubota D1105	5.1	1.35			
Kubota DF972	3.4	0.9			
Nissan A15	3.5	0.96			
GM 1.6				142454	10W30 - API Service Designation SF/CC.

*All fuel capacity quantities are in standard liter or US gallons (liquid).

**Use distilled water and 50/50 mix of anti-freeze/water.

ENGINE COOLANT				
Component Type	*Qty. (Liters)	*Qty. (Gallons)	**Coolant Type	Skyjack Part No.
Kubota D902	3.1	0.82	Anti-freeze / Water	125985
Kubota D1105				
Kubota DF972				
Nissan A15	11.4	3.01		
GM 1.6			Extended life anti-freeze / Water	142208

*All fuel capacity quantities are in standard liter or US gallons (liquid).

**Use distilled water and 50/50 mix of anti-freeze/water.

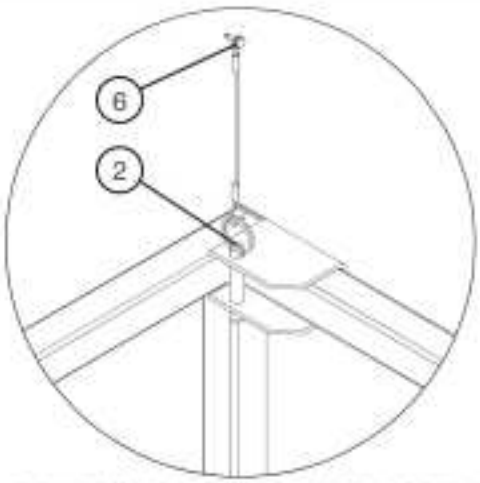
ENGINE FUEL							
Model	Tank		Diesel		Gasoline / Liquid Propane		
	*Qty. (Liters)	*Qty. (Gallons)	Kubota D902	Kubtoa D1105	Kubota DF972	GM 1.6	Nissan A15
SJRT-68xx	86.88	22.95	✓	N/A	✓	N/A	
SJRT-7127	80.48	21.26	N/A	✓			
SJRT-7135							
SJRT-8243							
SJRT-8850					N/A	✓	
SJRT-8831	49.21	13					
SJRT-8841							
SJRT-9250	64.35	17					

*All fuel capacity quantities are in standard liter or US gallons (liquid).

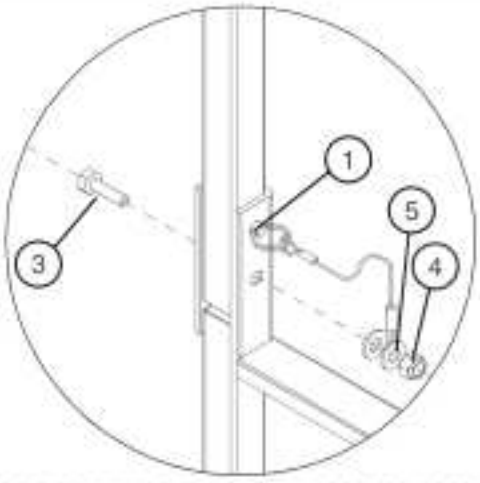
**Use distilled water and 50/50 mix of anti-freeze/water.

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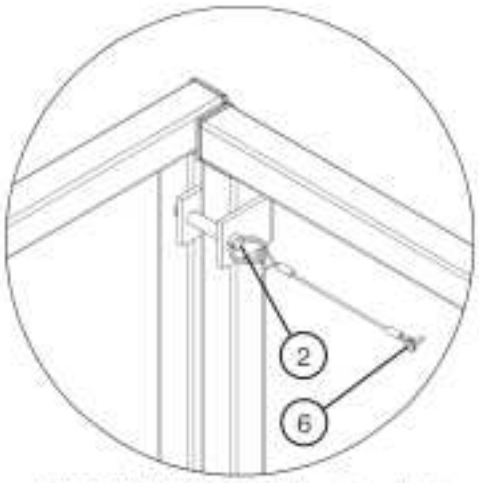
6.1-4 Quick Release Pin Assemblies



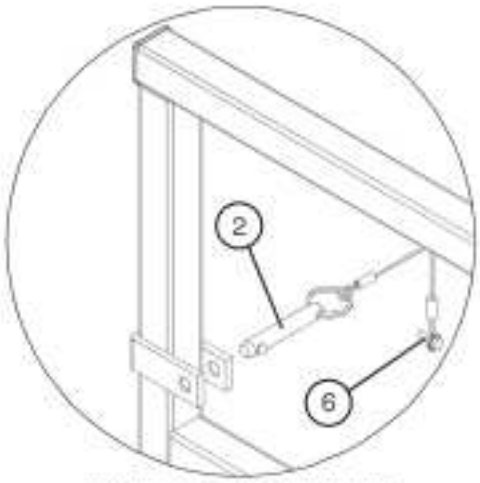
EXTENSION PLATFORM TOP/MIDDLE



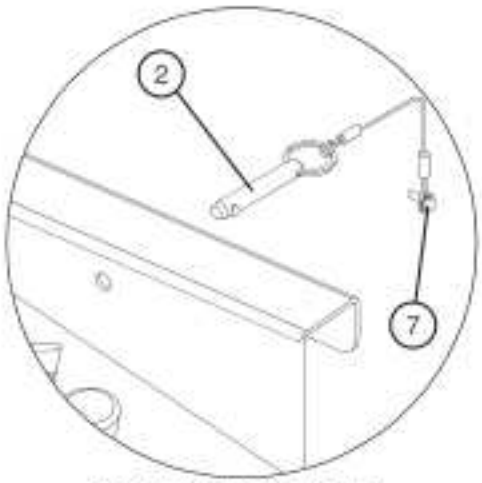
SIDE RAILINGS/END RAILINGS BOTTOM



END RAILINGS TOP (No extension)



CONTROL BOX HARNESS



CONTROL BOX MOUNT

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5.7 Torque Specifications

Cartridge						
Torque	Size					
	8	38	58	10	12	16
Lbf.ft (max)	20			25	35	50
Lbf.in (max)	240			300	420	600
Nm (max)	27.12			33.9	47.46	67.8

Coils	
Torque	Size
	All coils
Lbf.ft (max)	4 to 5
Lbf.in (max)	48 to 60
Nm (max)	5.42 to 6.78

SAE Plugs								
Torque	Size							
	2	4	5	6	8	10	12	16
Lbf.ft (max)	3	10	15		25		30	35
Lbf.in (max)	36	120	180		300		360	420
Nm (max)	4.07	13.56	20.34		33.9		40.68	47.46

Type of Bolt	Torque (ft-lb)	Torque (Nm)
Directional valve mounting bolts	2.33 (28-32 in-lb)	3.16 - 3.61

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2.14 Tire Specifications - AS

WARNING

Air pressure can affect stability. Temperature changes can affect air pressure. It is important to visually inspect all tires for proper tire inflation prior to use. Tires should be checked by end user on a daily basis. Tire inflation pressures must be checked weekly with a calibrated gauge. If the measured pressure is less than the specification, reinflate to the pressure specified below. Tires must not be inflated above the recommended specification. Do not intermix tires of different types on one aerial platform. Use only tires of type originally supplied.

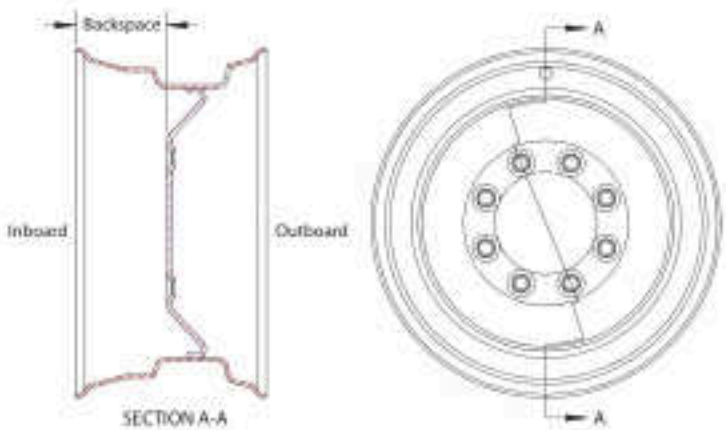
Tire Size		Fill Specification			Usage†				
		Fill Type	Ply Rating	Pressure (Factory)	MID SIZE		FULL SIZE		
				Psi (kPa)	7127	7135	8831	8841	9250
#6A	10-16.5 CARLISLE US LOADER	Air	10	75* (517.1)*	S	S	S	S	S
#6A	10-16.5 OTR OUTRIGGER (Non-Marking)		10	75* (517.1)*	O	O	O	O	O
#6F	10-16.5 CARLISLE US LOADER	Foam	10	N/A	O	O	O	O	O
#7F	31-15.5-15 GOODYEAR TERRA XTRAC		8	N/A	O	O	O	O	O

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- Factory preset @ 20°C, **Check pressures regularly as tires can lose pressure over time and over different ambient temperatures even under normal conditions.**

† Usage: (**S**)tandard Or (**O**)ptional
(N/A) Not Available

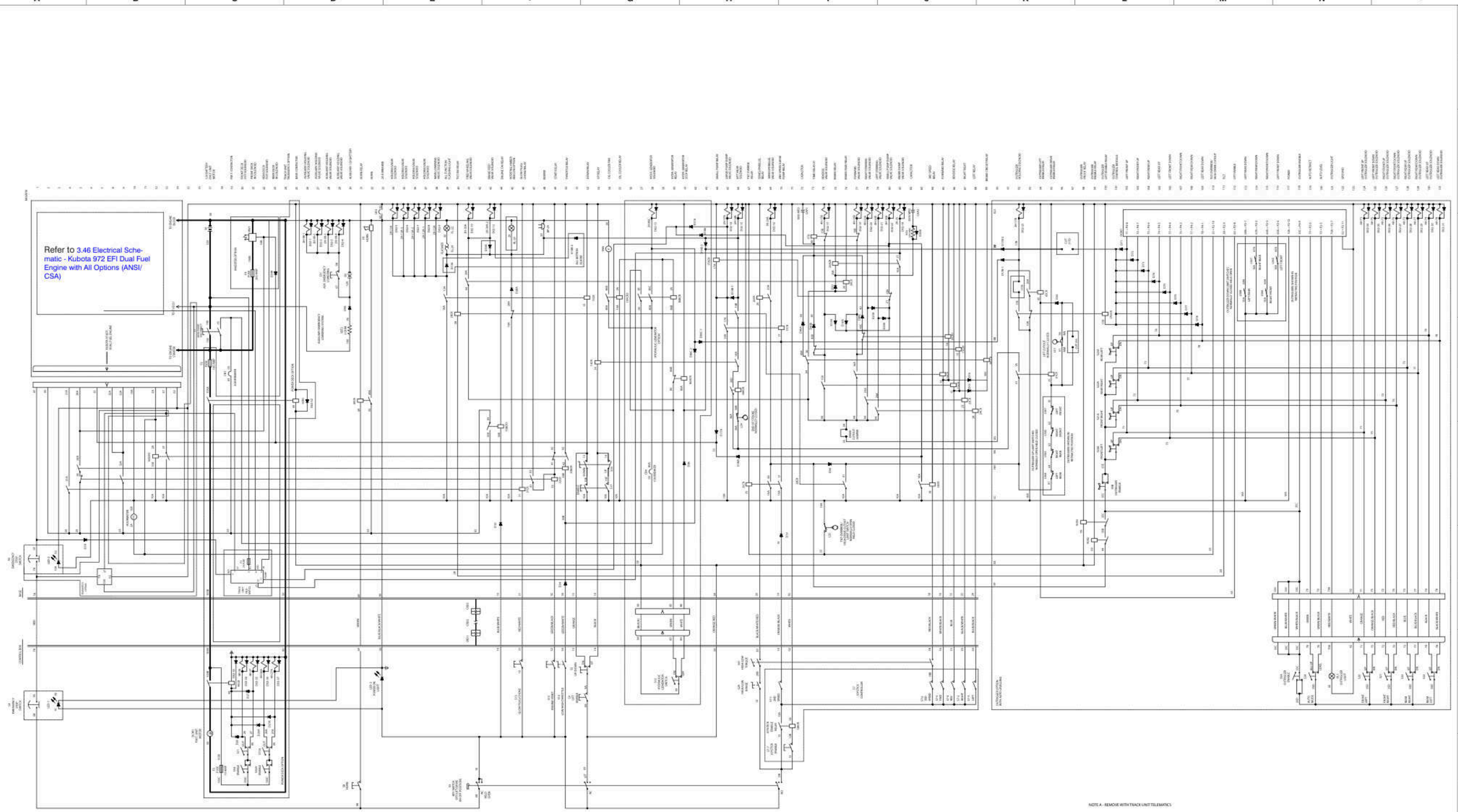
Rim Backspace Diagram



Rim Size	Backspace					
	7127		7135	8831	8841	9250
Serial Number	Contact Skyjack Service Department					
#6A & #6F	121mm	95 mm	95 mm	121mm	121mm	95 mm
	4.75 in.	3.75 in.	3.75 in.	4.75 in.	4.75 in.	3.75 in.
#7F	All models are 135 mm					

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