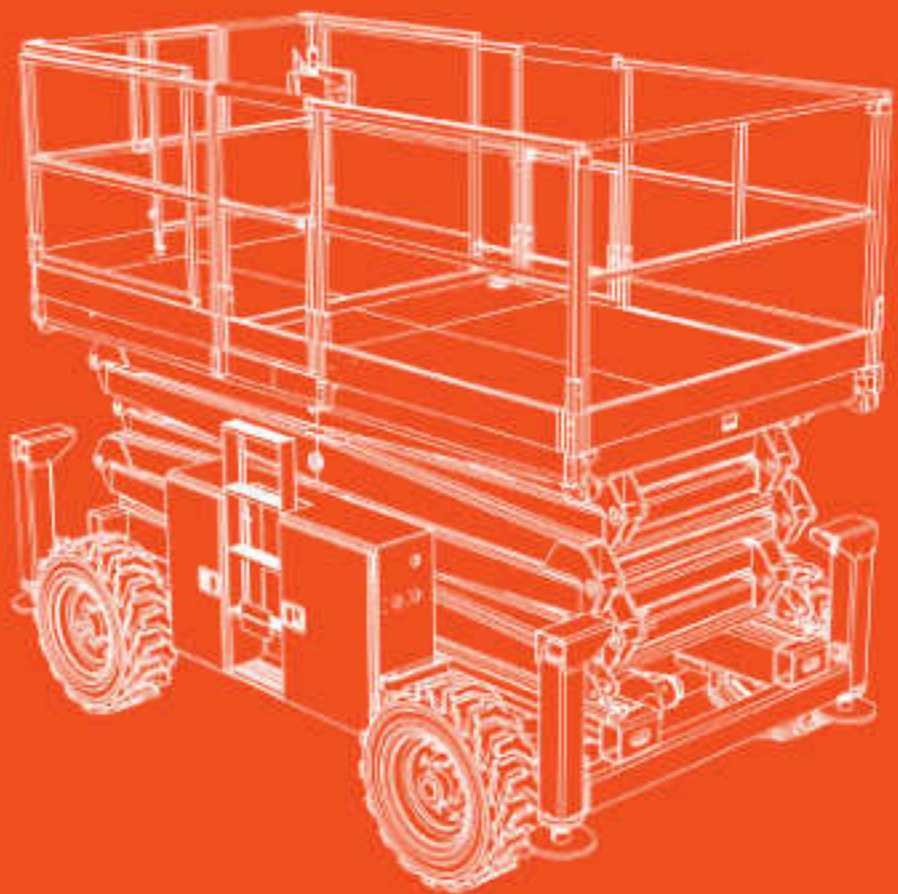
SKYJACK

SERVICE MANUAL

SJ8831 RT, SJ8841 RT

ROUGH TERRAIN SCISSORS



163762AIA
March 31 2025
ANSI/CSA

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Table 2.2 Maximum Platform Capacities (Evenly Distributed)

Model		Total		First Extension		Second Extension		Maximum Wind Speed	Tilt Cutout Setting (Degrees)	Tilt Cutout Setting (Outriggers) (Degrees)
		Capacity	Number of Occupants	Capacity	Number of Occupants	Capacity	Number of Occupants			
8831	Two Extension Platforms	681 kg (1500 lb)	5	227 kg (500 lb)	2	227 kg (500 lb)	2	12.5 m/s (28 mph)	2.5 x 4.5	1.5 x 1.5
8841	Two Extension Platforms	681 kg (1500 lb)	5	227 kg (500 lb)	2	227 kg (500 lb)	2	12.5 m/s (28 mph)	2.5 x 4.5	1.5 x 1.5
9241	Two Extension Platforms	681 kg (1500 lb)	5	227 kg (500 lb)	2	227 kg (500 lb)	2	12.5 m/s (28 mph)	2.5 x 4.5	1.5 x 1.5
9250	Two Extension Platforms	681 kg (1500 lb)	5	227 kg (500 lb)	2	227 kg (500 lb)	2	12.5 m/s (28 mph)	2.5 x 4.5	1.5 x 1.5

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NOTE

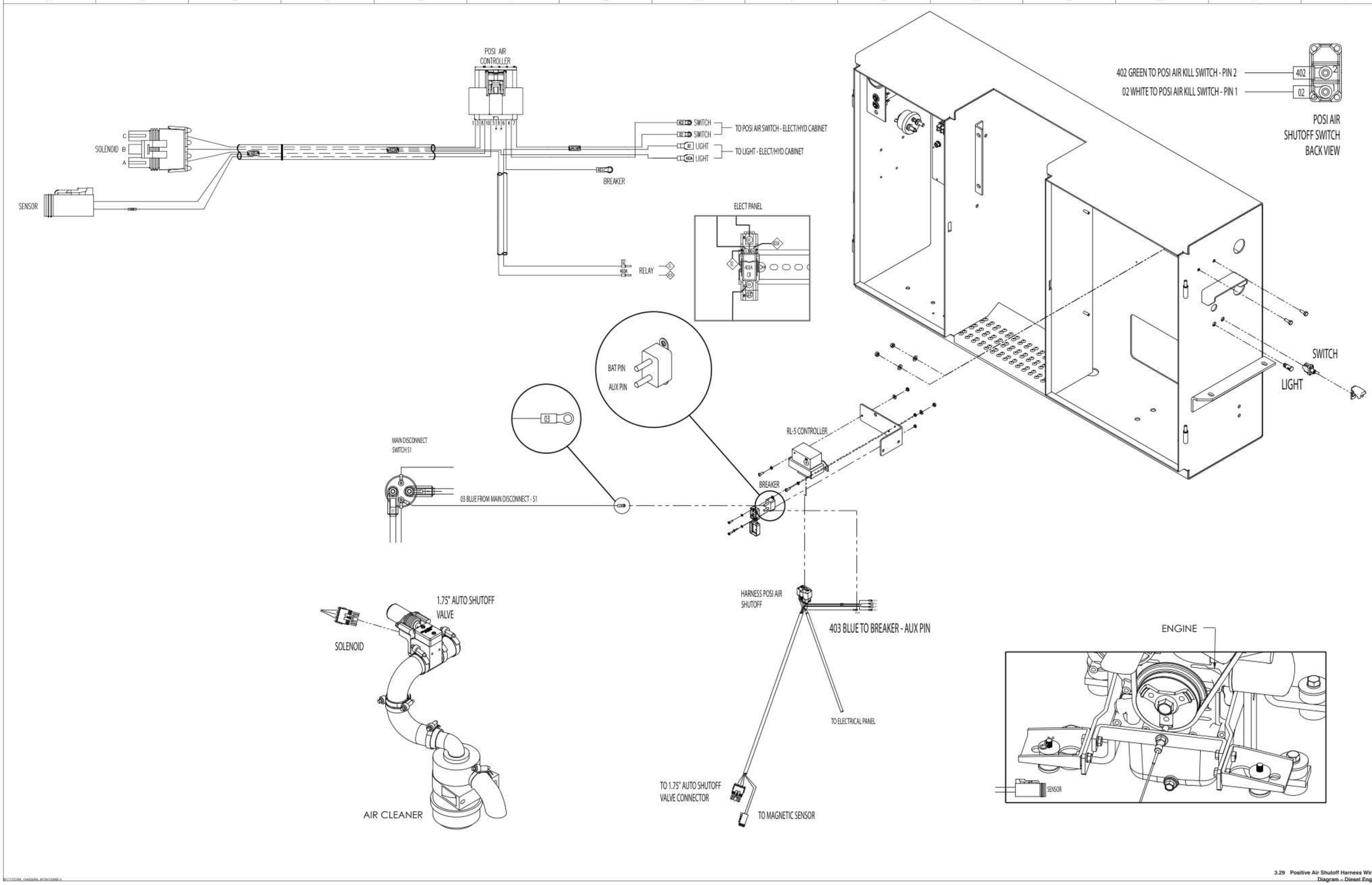
Occupants and materials are not to exceed rated load.
Capacities listed are for standard machines equipped with #6 tires

Refer to capacity label at sides of platform for additional information and for models equipped with options.

WARNING

Maximum Wind Speed = 12.5 m/sec

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3.29 Positive Air Shutoff Harness Wiring Diagram – Diesel Engine

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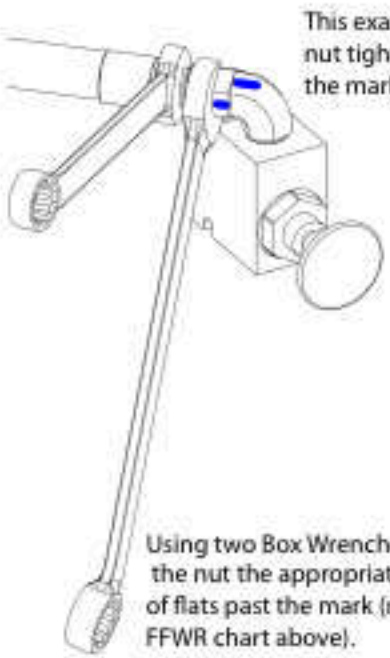
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6. Referencing the chart below, use a second box wrench to tighten the nut the appropriate number of flats past the mark. Do NOT over tighten.

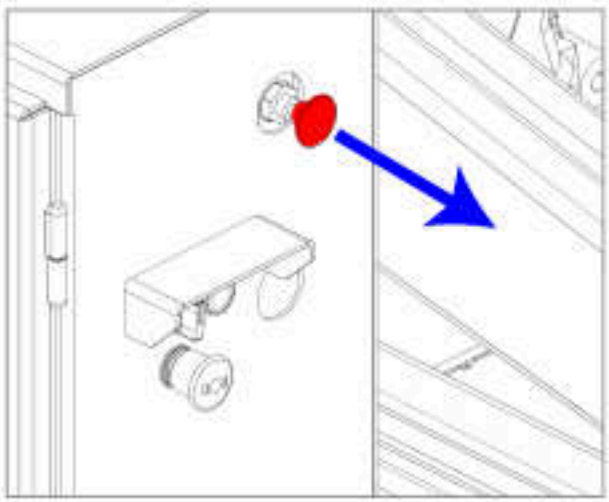
FLATS FROM WRENCH RESISTANCE CHART for JIC Hose Ends			
Size		FFWR	
Dash	Frac. (in.)	37° Tube Nut	Swivel Nut
-4	1/4"	2	1.5
-5	5/16"	2	2
-6	3/8"	1.5	1.5
-8	1/2"	1.5	1.25
-10	5/8"	1.5	-
-12	3/4"	1.25	-
-16	1"	1	-
-20	1 1/4"	1	-
-24	1 1/2	1	-
-32	2"	1	-



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

5.6-2 Check the holding valve

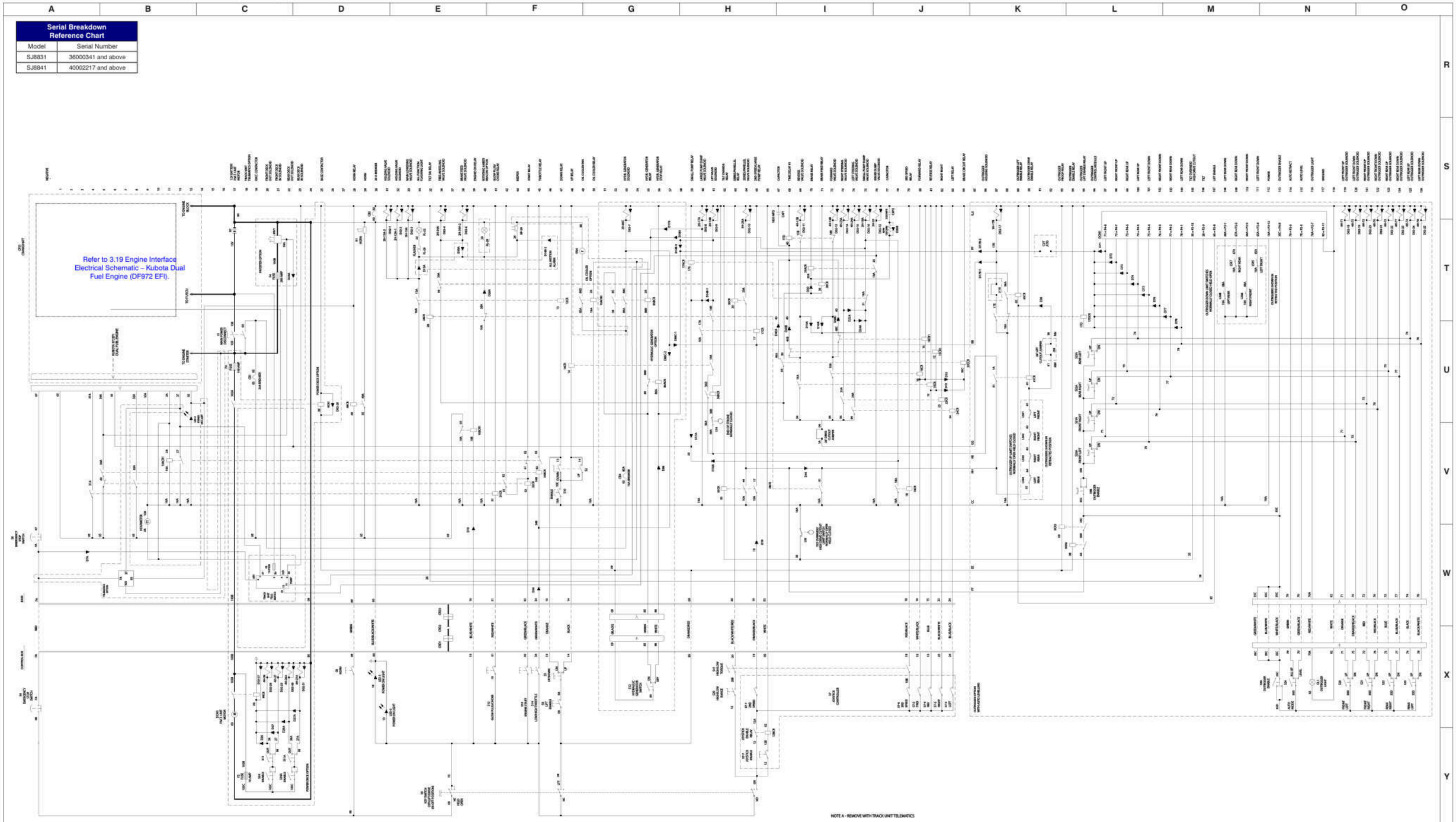
1. Raise the platform to an approximate height of 13 ft (4 m).
2. Locate the emergency lowering valve knob on the end of the hydraulic cabinet.
3. While watching the cylinders, pull the knob out, and hold it. If the cylinders do not lower with the knob pulled out, the holding valves are in good working condition. If one or both cylinders do lower, the holding valve on the cylinder that lowered must be replaced.



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3.33 Electrical Schematic – Dual Fuel – All Options (ANSI/CSA)

Serial Breakdown Reference Chart	
Model	Serial Number
SJ8831	36000341 and above
SJ8841	40002217 and above



3.33 Electrical Schematic – Dual Fuel – All Options (ANSI/CSA)

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