

SERVICE MANUAL (ANSI/CSA)

ROUGH TERRAIN SCISSORS

MODELS SJ9250 RT

163766AD April 8, 2024

SKYJACK

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Section 1
SCHEDULED MAINTENANCE

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Table 2.2a Maximum Platform Capacities (Evenly Distributed)

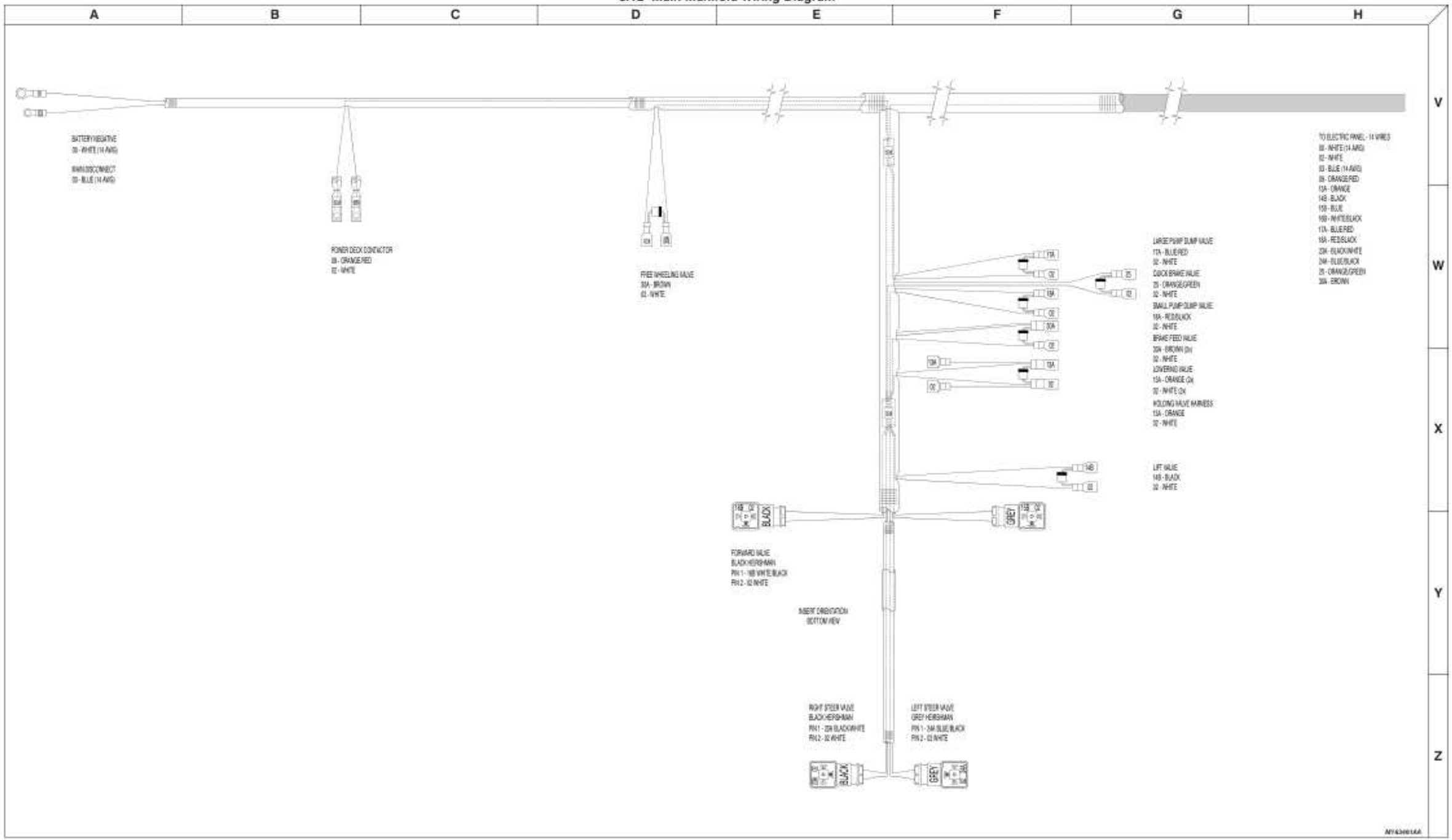
MODEL		Total		First Extension		Second Extension		Maximum Wind Speed	Tilt Cutout Setting (Degrees)
		Capacity	Number of Occupants	Capacity	Number of Occupants	Capacity	Number of Occupants		
7127	One Extension Platform	1500 lb. 681 kg	5	500 lb. 227 kg	2	Not Available		12.5 m/s	2 x 4
7135	One Extension Platform	1000 lb. 454 kg	4	350 lb. 159 kg	1	Not Available		12.5 m/s	2 x 4
8831	No Extension Platform	2500 lb. 1134 kg	6	Not Available				12.5 m/s	2.5 x 4.5
	One Extension Platform	2000 lb. 908 kg	6	500 lb. 227 kg	2	Not Available			
	Two Extension Platforms	1700 lb. 771 kg	6	500 lb. 227 kg	2	500 lb. 227 kg	2		
8841	No Extension Platform	1700 lb. 771 kg	5	Not Available				12.5 m/s	2.5 x 4.5
	One Extension Platform	1500 lb. 681 kg	5	500 lb. 227 kg	2	Not Available			
	Two Extension Platforms	1500 lb. 681 kg	5	500 lb. 227 kg	2	500 lb. 227 kg	2		
9250	No Extension Platform	2000 lb. 907 kg	5	Not Available				12.5 m/s	2.5 x 4.5
	One Extension Platform	1500 lb. 681 kg	5	500 lb. 227 kg	2	Not Available			
	Two Extension Platforms	1500 lb. 681 kg	5	500 lb. 227 kg	2	500 lb. 227 kg	2		

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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.

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3.12 Main Manifold Wiring Diagram



Rough Terrain Scissor Lift
Model 9250
163766

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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 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 2.6 Torque Specifications

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

COILS	
Torque	Size
	All coils
Lb-ftt (max)	4 to 5
Lb-in (max)	48 to 60
Nm (max)	5.42 to 6.78

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

BOLTS		
Type of Bolt	Torque (ft-lb)	Torque (Nm)
Directional valve mounting bolts	2.33 (28-32 in-lb)	3.16 - 3.61
Wheel mounting bolts	140	189.8
Center drive sprocket mounting bolts	110 - 115 (242 Loctite)	149 -156
Hydraulic drive motor mounting bolts	120 (242 Loctite)	162
Positive battery post cable/fuse nut	7.5 (90 in-lb)	10.2
Newton-meter = Nm	Foot-Pound Force = ft-lb	Inch-Pound Force = in-lb

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Section 4
TROUBLESHOOTING INFORMATION

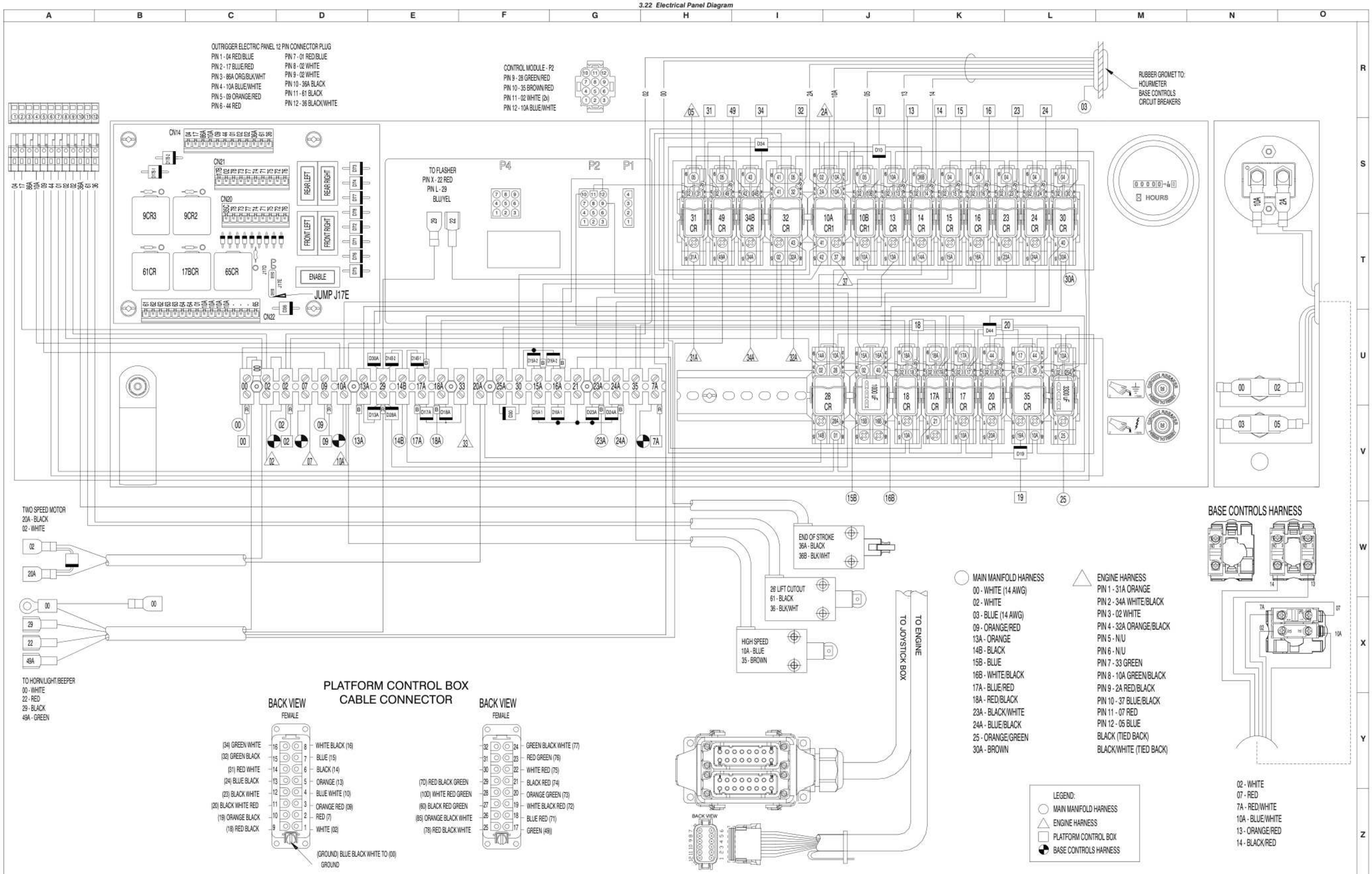
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