MODELS | SJIII 3220 SJIII 3226 SJIII 4620 SJIII 4626 SJIII 4632



Service Manual

SJIII Conventional Series

Part No. 143911AF October 2025

SKYJACK

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Table 2.3c Maximum Platform Capacities (Evenly Distributed) (AS)

MODEL	Max. Side Force (N)	Max. Wind (m/s)	Manual Extension Platform				Powered Extension Platform			
			Total Capacity		Extension Capacity		Total Capacity		Extension Capacity	
3215	400	0	227 kg	2 Persons	113 kg	1 Person	N/A			
	200	12.5	227 kg	1 Person	227 kg					
3219	400	0	249 kg	2 Persons	113 kg	1 Person	N/A			
	200	12.5	120 kg	1 Person	120 kg					
3220	400	0	408 kg	2 Persons	136 kg	1 Person	N/A			
	200	12.5	227 kg	1 Person	227 kg					
3226*	400	0	227 kg	2 Persons	113 kg	1 Person	N/A			
	200	12.5	120 kg	1 Person	120 kg					
4620	400	12.5	590 kg	3 Persons	136 kg	1 Person	590 kg	3 Persons	136 kg	1 Person
4626	400	12.5	454 kg	3 Persons	136 kg	1 Person	454 kg	3 Persons	136 kg	1 Person
4632	400	12.5	317 kg	2 Persons	113 kg	1 Person	N/A			

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* SJIII3226 shall have extension retracted when used outdoor.

NOTE: Overall Capacity - Occupants and materials not to exceed rated load.

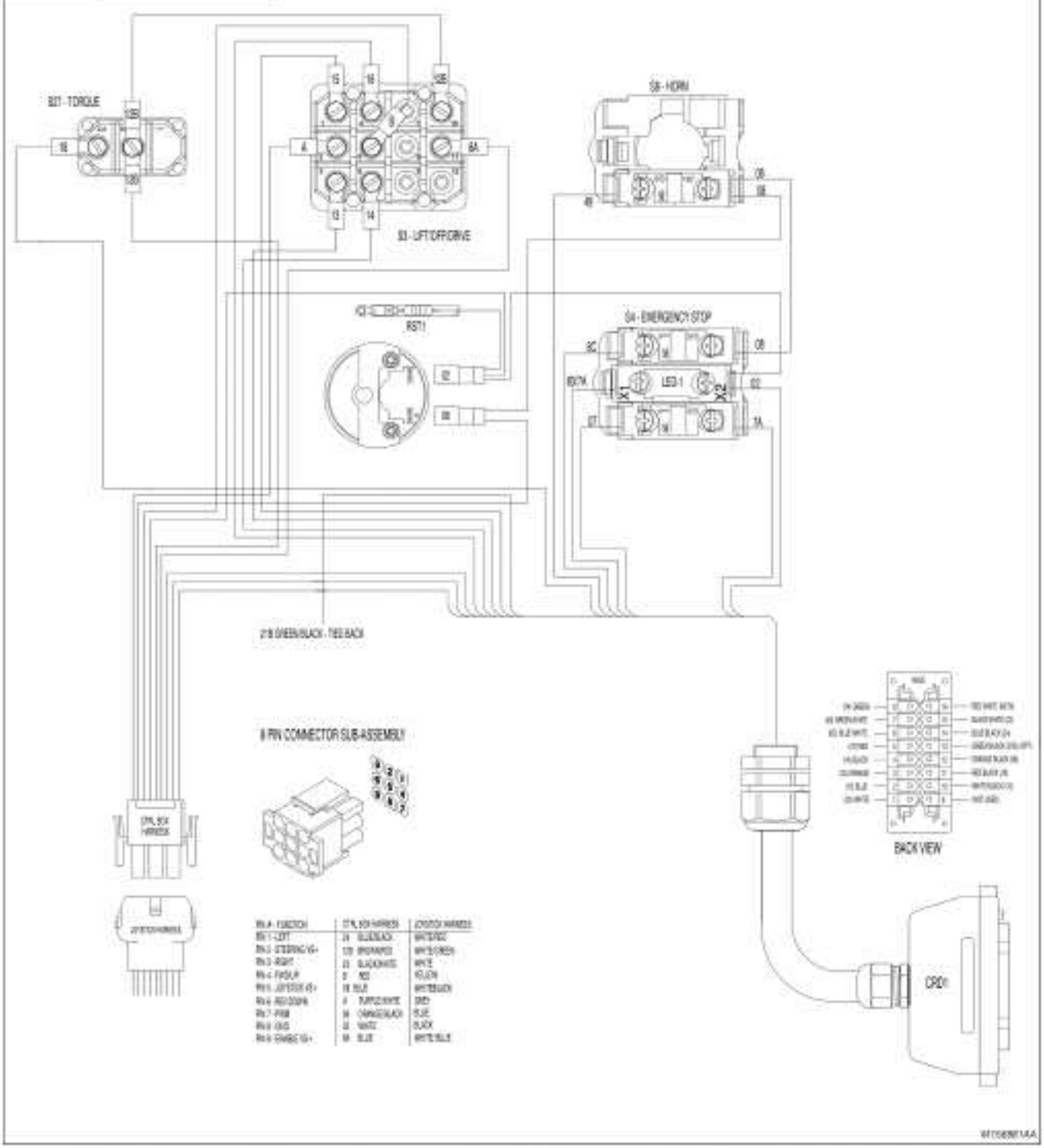


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3.7a Platform Control Console Diagram (with Toggle Switch) AC

Serial Breakdown Reference Chart	
Model	Serial Number
SJ3 3220	60002136 & above
SJ3 3226	27006059 & above
SJ3 46XX	70006694 & above

View Parts List



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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 2.3b Maximum Platform Capacities (Evenly Distributed) (CE)

MODEL	Manual Extension Platform				Powered Extension Platform				Maximum Wind Speed	Tilt Cutout Setting
	Total Capacity		Extension Capacity		Total Capacity		Extension Capacity			
3215	227 kg	2 Persons	113 kg	1 Person	N/A				No Wind	1.5 x 3.5
3219	227 kg	2 Persons	113 kg	1 Person	N/A				No Wind	1.5 x 3.5
3220	408 kg	2 Persons			363 kg	2 Persons			No Wind	1.5 x 3.5
3226	227 kg	2 Persons			N/A				No Wind	1.5 x 3.5
4620	590 kg	3 Persons	136 kg	1 Person	590 kg	3 Persons	136 kg	1 Person	12.5 m/s	1.5 x 3.5
4626	454 kg	3 Persons	136 kg	1 Person	454 kg	3 Persons	136 kg	1 Person	12.5 m/s	1.5 x 3.5
4632	317 kg	2 Persons	113 kg	1 Person	N/A				10.8 m/s	1.5 x 3.5

603ISAJ-CE-R-S

NOTE: Overall Capacity - Occupants and materials not to exceed rated load.

BEAUFORT SCALE	Wind Speed				Ground Conditions
	m/s	km/h	ft/s	mph	
3	3.4 – 5.4	12.5 – 19.4	11.5 – 17.75	5 – 12.0	Papers and thin branches move, flags wave
4	5.4 – 8.0	19.4 – 28.8	17.75 – 26.25	12.0 – 18	Dust is raised, paper whirls up, and small branches sway.
5	8.0 – 10.8	28.8 – 38.9	26.25 – 35.5	18 – 24.25	Shrubs with leaves start swaying. Wave crests are apparent in ponds or swamps.
6	10.8 – 13.9	38.9 – 50.0	35.5 – 45.5	24.5 – 31	Tree branches move. Power lines whistle. It is difficult to open an umbrella.
7	13.9 – 17.2	50.0 – 61.9	45.5 – 65.5	31 – 38.5	Whole trees sway. It is difficult to walk against the wind.

603SBAC

WARNING

The aerial is equipped with a Load Sensing System. Do not exceed the rated capacity of the aerial platform. Failure to avoid this will prevent operation of all normal controls/functions of the aerial platform. To resume normal operation remove the additional loads.

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Table 1.2 MAINTENANCE AND INSPECTION CHECKLIST

Serial Number: _____

Model: _____

Hourmeter Reading: _____ Name (Printed): _____

Date: _____

Time: _____ Signature: _____

Each item shall be inspected using the the appropriate section of the Skyjack operating manual.
As each item is inspected, write the apropriate grade in the box.

INSPECTION FREQUENCY

- ❑ DAILY
- ❑ FREQUENTLY
- ❑ ANNUALLY
- ❑ BI-ANNUALLY

P - PASS
F - FAIL
R - REPAIRED

Inspection Schedule	
Daily	A
Frequently*†	A + B
Annually†	A + B + C
Bi-annually†	A + B + C + D

Schedule		P	F	R
Schedule Maintenance Inspections				
Labels	A			
Limit Switches	A, B			
Entrance Side				
Main Power Disconnect Switch	A, B			
Base Control Switches	A, B			
Free-wheeling Valve Knob (Compacts - Front Side)	A, B			
Brakes	A, B, C			
AC Outlet Receptacle	A, B			
Ladder	A, B			
Battery Tray Side				
Pothole Protection Device	A, B			
Battery Tray	A, B			
Battery Charger	A, B			
Battery	A, B			
Steer Cylinder Assembly	A, B			
Wheel/Tire Assembly	A, B			
Tie Rod (Conventionals)	A, B			
Greasing Points	A, B, C			
Hydraulic/Electric Tray Side				
Pothole Protection Device	A, B			
Hydraulic Tank	A, B, C			
Hydraulic Oil	A, B, C			
Hydraulic Pump and Motor	A, B			
Electrical Panel	A, B			
Proportional and Main Manifolds	A, B			
Tilt Sensor - ANSI/CSA	A, B			
Load/Tilt Sensor - CE	A, B			
Emergency Lowering Access Rod (If Equipped)	A, B			

Schedule		P	F	R
Platform Assembly				
Lanyard Attachment Anchors	A, B			
AC Outlet on Platform	A, B			
Platform Control Console	A, B			
Manuals	A, B			
Powered Extension Control Console (If Equipped)	A, B			
Lift Mechanism				
Maintenance Support	A, B			
Scissor Assembly	A, B			
Scissor Bumpers	A, B			
Rollers	A, B			
Lift Cylinder(s)	A, B			
Function Tests				
Test Main Power Disconnect Switch	A, B			
Base Control Console				
Test Base Emergency Stop	A, B			
Test Off/Platform/Base	A, B			
Test Lower/Neutral/Raise Switch	A, B			
Test Emergency Lowering	A, B			
Test Free-wheeling	A, B			
Platform Control Console				
Test Platform Emergency Stop	A, B			
Test Enable Trigger Switch	A, B			
Test Steering	A, B			
Test Driving	A, B			
Test Brakes	A, B			
Test Platform Raising/Lowering	A, B			
Test Lowering Warning - CE	A, B			
Test Horn	A, B			
Test Pothole Sensor	A, B			
Test Elevated Drive Speed	A, B			
Test Tilt Sensor - ANSI/CSA	A, B			

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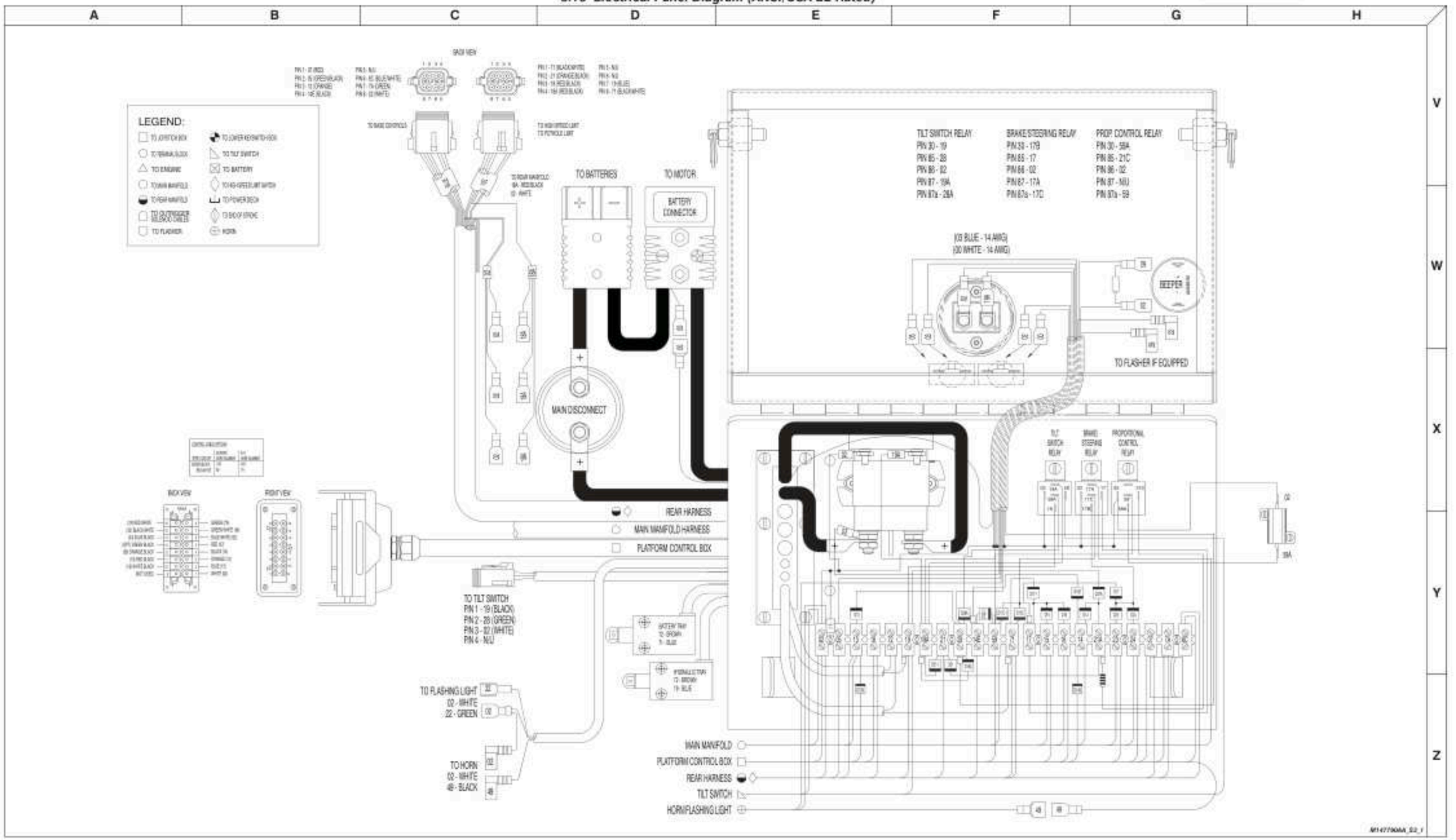
A - Perform Visual and Daily Maintenance Inspections & Functions Test. Refer to Section 2.7 of the Operating Manual.
B - Perform Scheduled Maintenance Inspection every three months or 150 hrs. Refer to Section 1 of this manual.
C - Perform Scheduled Maintenance Inspection every year. Refer to Section 1 of this manual.
D - Perform Scheduled Maintenance Inspection every 2 years. Refer to Section 1 of this manual.
* Perform scheduled inspection every three months or 150 hours.
† - Refer to Skyjack's website @ www.skyjack.com for latest service bulletins porior to performing quarterly or yearly inspection.

Note: Make a copy of this page or visit the Skyjack web site:www.skyjack.com for a printable copy.



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3.18 Electrical Panel Diagram (ANSI/CSA EE Rated)



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