SKYJACK™

MAINTENANCE & PARTS MANUAL



SJIII Series

The Conventionals

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Table 2.3a Maximum Platform Capacities (Evenly Distributed) - ANSI/CSA

MODEL	Manual Extension Platform				Powered Extension Platform			
	Total Capacity		Extension Capacity		Total Capacity		Extension Capacity	
3215	600 lb. 272 kg	2 Persons	250 lb. 113 kg	1 Person	N/A			
3219	550 lb. 249 kg	2 Persons	250 lb. 113 kg	1 Person	N/A			
3220	900 lb. 408 kg	2 Persons	300 lb. 136 kg	1 Person	800 lb. 363 kg	2 Persons	300 lb. 136 kg	1 Person
3226	500 lb. 227 kg	2 Persons	250 lb. 113 kg	1 Person	N/A			
4620	1300 lb. 590 kg	3 Persons	300 lb. 136 kg	1 Person	1300 lb. 590 kg	3 Persons	300 lb. 136 kg	1 Person
4626	1000 lb. 454 kg	3 Persons	300 lb. 136 kg	1 Person	1000 lb. 454 kg	3 Persons	300 lb. 136 kg	1 Person
4632	700 lb. 318 kg	2 Persons	250 lb. 113 kg	1 Person	N/A			
6826	1200 lb. 544 kg	3 Persons	300 lb. 136 kg	1 Person	1000 lb. 454 kg	3 Persons	300 lb. 136 kg	1 Person
6832	850 lb. 386 kg	3 Persons	300 lb. 136 kg	1 Person	850 lb. 386 kg	3 Persons	300 lb. 136 kg	1 Person

60315AG-ANSI

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





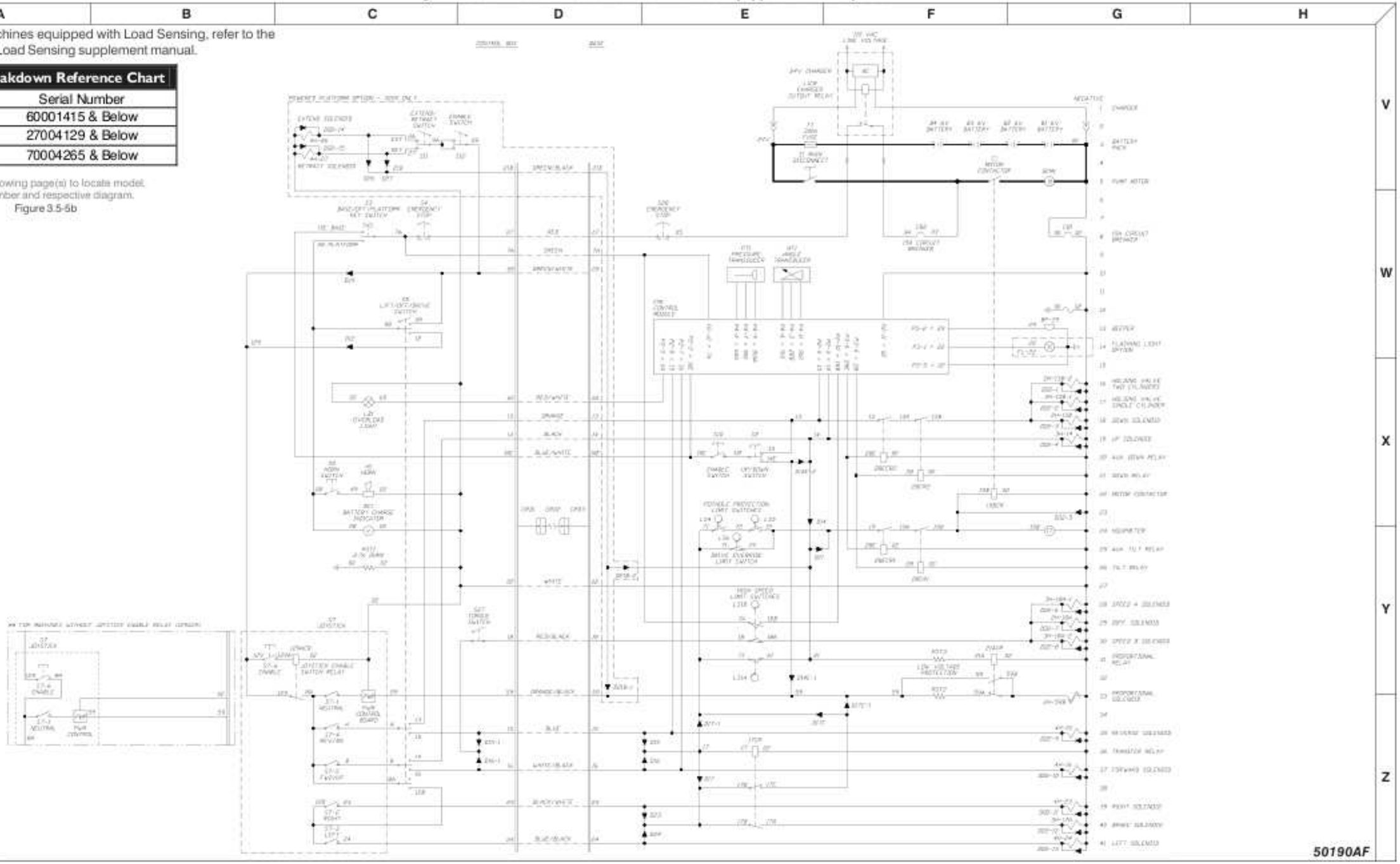
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Figure 3.5-5a. Electrical Schematic - CE Models Equipped With All Options

Note: For machines equipped with Load Sensing, refer to the Load Sensing supplement manual.

Serial Breakdown Reference Chart	
Model	Serial Number
3220	60001415 & Below
3226	27004129 & Below
46XX	70004265 & Below

Refer to following page(s) to locate model serial number and respective diagram.
Figure 3.5-5b



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Probable Cause	Remedy
4.2-9. Brake(s) Will Not Release (Machines with Integral Brakes)	
1. Stuck or defective auto reset value (V3).	1. Check valve operation. Clean valve. Replace if defective.
2. Stuck or defective hand pump (P2).	2. Check pump operation. Clean pump. Replace if defective.
3. Defective internal brake piston seals.	3. Check brake pack will maintain pressure. If pressure is not maintained replace seals.
4.2-10. Machine Will Not Hold on a Grade (Machined with Integral Brakes)	
1. Worn or damaged brake discs.	1. Inspect brake discs for wear. Replace if worn or damaged.
2. Broken or damaged brake compression springs.	2. Check springs. Replace if defective.
4.2-11. Platform Does Not Steer	
1. Right Steer Valve (4H-23) or Left Steer Valve (4H-24) defective or sticking.	1. Clean valve. Replace if defective.
2. Steer Cylinder (C3) seals leaking.	2. Rebuild cylinder(s). Replace if damaged.
3. Mechanical binding in King Pins.	3. Check for binding. Repair as needed.
4. Orifices (03) plugged.	4. Clean Orifices, and reinstall.
4.2-12. All Systems Sluggish	
1. System Relief Valve defective or not adjusted properly.	1. Adjust valve. Replace if defective.
2. Hydraulic pump (P1) worn.	2. Check pump. Replace if defective.
3. Compensator Valve (CMP1) defective.	3. Clean. Replace if defective.
4. Proportional Valve (2H-59B) contaminated or defective.	4. Clean, replace if defective.
4.2-13. Power Extension Platform Will Not Extend Or Retract	
1. Platform Extend Valve (4H-26) or Platform Retract Valve (4H-27) defective or is sticking.	1. Clean valve. Replace if defective.
2. Powered Platform Cylinder (C5) seals defective.	2. Rebuild cylinder. Replace if damaged.
3. Mechanical binding in powered platform mechanism.	3. Check for binding. Repair as needed.
4.2-14. High/Low Torque Inoperative	
1. Stuck Speed Valve (3H-18A-1).	1. Clean valve. Replace if defective.
2. Stuck Speed Valve (3H-18A-2).	2. Clean valve. Replace if defective.

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Table 2.3c Maximum Platform Capacities (Evenly Distributed) - CE

MODEL	Manual Extension Platform				Powered Extension Platform			
	Total Capacity		Extension Capacity		Total Capacity		Extension Capacity	
3215	227 kg 500 lb.	2 Persons	113 kg 250 lb.	1 Person	N/A			
3219	227 kg 500 lb.	2 Persons	113 kg 250 lb.	1 Person	N/A			
3220/3220M	408 kg 900 lb.	2 Persons	136 kg 300 lb.	1 Person	363 kg 800 lb.	2 Persons	136 kg 300 lb.	1 Person
3226/3226M	227 kg 500 lb.	2 Persons	113 kg 250 lb.	1 Person	N/A			
4620	590 kg 1300 lb.	3 Persons	136 kg 300 lb.	1 Person	590 kg 1300 lb.	3 Persons	136 kg 300 lb.	1 Person
4626	454 kg 1000 lb.	3 Persons	136 kg 300 lb.	1 Person	454 kg 1000 lb.	3 Persons	136 kg 300 lb.	1 Person
4632 *	317 kg 699 lb.	2 Persons	113 kg 250 lb.	1 Person	N/A			
6826	454 kg 1000 lb.	3 Persons	136 kg 300 lb.	1 Person	N/A			
6832	454 kg 1000 lb.	3 Persons	136 kg 300 lb.	1 Person	N/A			

60315AO-CE

* 4632 model is rated for wind Beaufort Scale 5, wind speed 8 – 10.8 m/s, wind pressure 72 N/m².

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.

60338AC

WARNING

This aerial platform 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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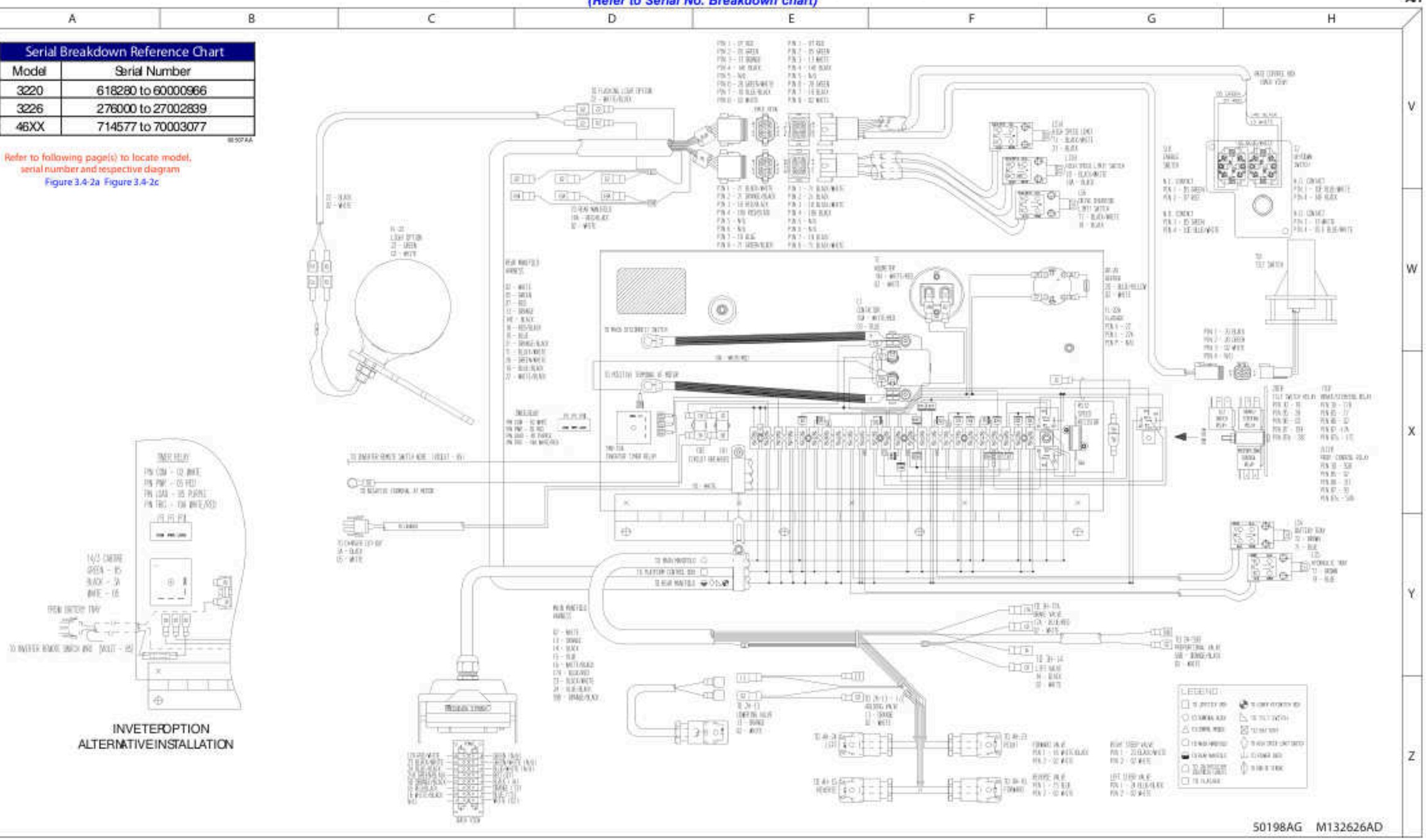
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Figure 3.4-2b. Electrical Panel Diagram - ANSI/CSA Models Equipped With All Options
(Refer to Serial No. Breakdown chart)

AH

Serial Breakdown Reference Chart	
Model	Serial Number
3220	618280 to 60000966
3226	276000 to 27002839
46XX	714577 to 70003077

Refer to following page(s) to locate model, serial number and respective diagram
Figure 3.4-2a Figure 3.4-2c



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