SKYJACK™

MAINTENANCE & PARTS MANUAL



SJIII Series

The Conventionals

Models 3220 And 3226

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		All Options	FIGURE 3.4-4.	22
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Serial Range	Models	Options	Diagram Location	Page
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		All Options	FIGURE 3.5-2.	28
	ANSI/CSA EE-Rated	No Options	FIGURE 3.5-3.	29
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Table 2-3. Owner's Annual Inspection Record

Model Number_____				Serial Number_____				
Recording Date								
Recording Year #	1	2	3	4	5	6	7	8
Owner's Name								
Inspected By								

60141AA

As described earlier in this section, this decal is located on the scissor assembly. It must be completed after an annual inspection has been completed. Do not use the aerial platform if an inspection has not been recorded in the last 13 months.

Table 2-4. Maximum Platform Capacities (Evenly Distributed)

MODEL	With 3' Powered Extension Platform				With Powered Extension Platform			
	Main Platform		Extension Platform		Main Platform		Extension Platform	
3215	250 lbs (113kg)	1 Person	250 lbs (113kg)	1 Person	N/A	N/A	N/A	N/A
3219	250 lbs (113kg)	1 Person	250 lbs (113kg)	1 Person	N/A	N/A	N/A	N/A
3220 3220 M	600 lbs (272 kg)	1 Person	300 lbs (136 kg)	1 Person	500 lbs (227 kg)	1 Person	300 lbs (136 kg)	1 Person
3226 3226 M	250 lbs (113 kg)	1 Person	250 lbs (113 kg)	1 Person	N/A	N/A	N/A	N/A
4620	800 lbs (362 kg)	2 Person	300 lbs (136 kg)	1 Person	700 lbs (317 kg)	2 Person	300 lbs (136 kg)	1 Person
4626	550 lbs (249 kg)	2 Person	300 lbs (136 kg)	1 Person	450 lbs (204 kg)	2 Person	300 lbs (136 kg)	1 Person
4832	400 lbs. (181 kg)	1 Person	300 lbs (136 kg)	1 Person	N/A	N/A	N/A	N/A
6826 (ANSI&CSA)	900 lbs (408 kg)	2 Person	300 lbs (136 kg)	1 Person	700 lbs (317 kg)	2 Person	300 lbs (136 kg)	1 Person
6826 (CE)	700 lbs* (317 kg)	2 Person	300 lbs (136 kg)	1 Person	700 lbs (317 kg)	2 Person	300 lbs (136 kg)	1 Person
6832	550 lbs** (249 kg)	2 Person	300 lbs (136 kg)	1 Person	550 lbs** (249 kg)	2 Person	300 lbs (136 kg)	1 Person

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

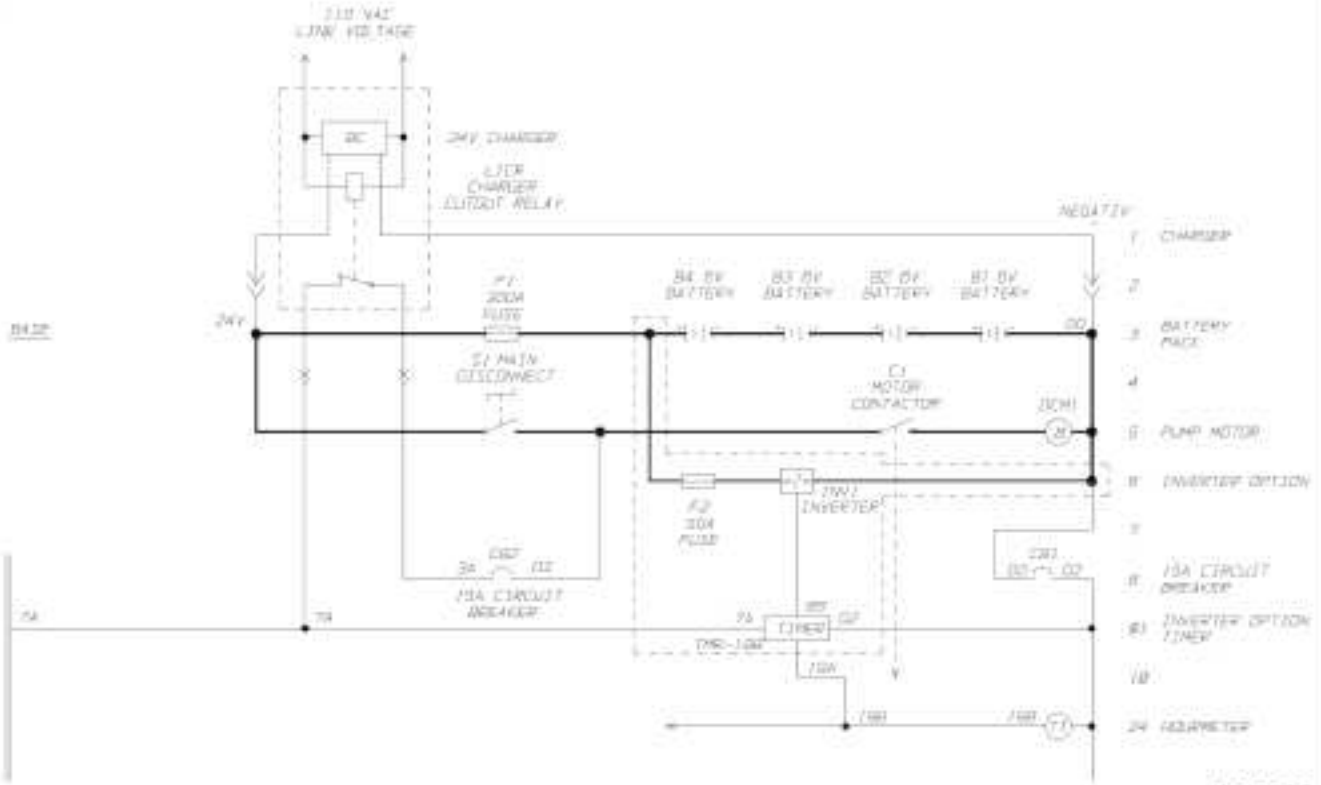
Warning

This aerial platform is equipped with a Overload 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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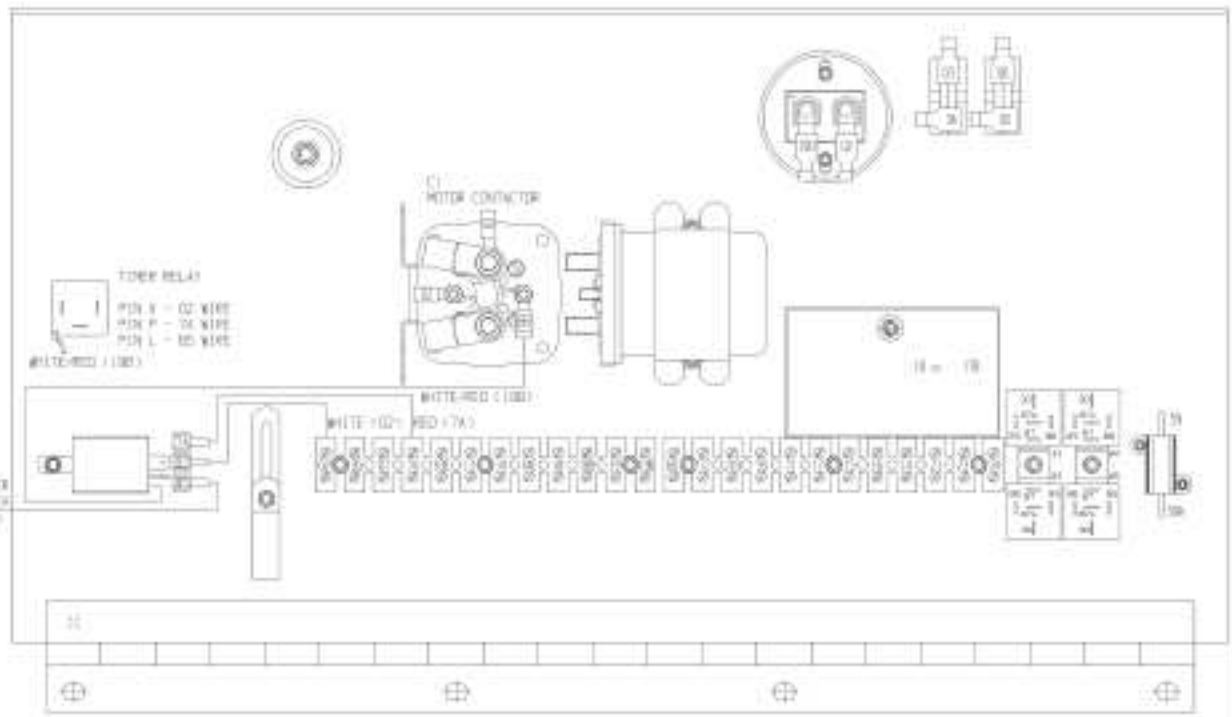
Figure 3.3-5. Electrical Inverter Option: Schematic & Panel Diagram - CE with Load Sensing System (Equipped with Timer Cut-out Relay)

Electrical Schematic



50222AA

Electrical Panel Diagram



Note: ***Refer to Figure 3.4-1 for Parts Listing***

11155AB

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Troubleshooting Information - Hydraulic System

Probable Cause	Remedy
4.2-9. Platform Does Not Steer	
1. Right Steer Valve (4H-23) or Left Steer Valve (4H-24A) 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.
4.2-10. 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.
4.2-11. 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.
4.2-12. 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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1-5. Safety Precautions

Know And Understand The Safety Precautions Before Going On To Next Section.

⚠ Warning

Failure to heed the following safety precautions could result in tip over, falling, crushing, or other hazards leading to death or serious injury

- **KNOW** all Federal, State, Provincial and local rules which apply to your MACHINE and JOBSITE.
- **DO NOT** leave the aerial platform unattended with the key in the key switch.
- **WEAR** all the protective clothing and personal safety devices issued to you or called for by job conditions.
- **DO NOT** wear loose clothing, dangling neckties, scarves, rings, wristwatches or other jewelry while operating this lift.



- **AVOID** entanglement with ropes, cords or hoses.



- **AVOID** falling. Stay within the boundaries of the guardrails.



- **DO NOT** raise the aerial platform in windy or gusty conditions.



- **DO NOT** increase the lateral surface area of the platform. Increasing the area exposed to the wind will decrease machine stability.



- **DO NOT** drive or elevate the aerial platform if it is not on firm level surfaces. Do not drive elevated near depressions or holes of any type, loading docks, debris, drop-offs and surfaces that may affect the stability of the aerial platform.



- **If Operation In Areas With Holes Or Drop-offs Is Absolutely Necessary,** elevated driving shall not be allowed. Position the aerial platform horizontally only with the platform fully lowered. After ensuring that all 4 wheels or outriggers have contact with level firm surface, the aerial platform can be elevated. After elevation, the drive function must not be activated.



- **Elevated driving** must only be done on a firm level surface.



- **DO NOT** Ascend or descend a grade steeper than 23% (3215, 3219), 25% (3220, 3226), 20% (4832) or 25% (4620, 4626, 6826 & 6832). Ascend or descend grades only when fully lowered and then only to the maximums noted above.

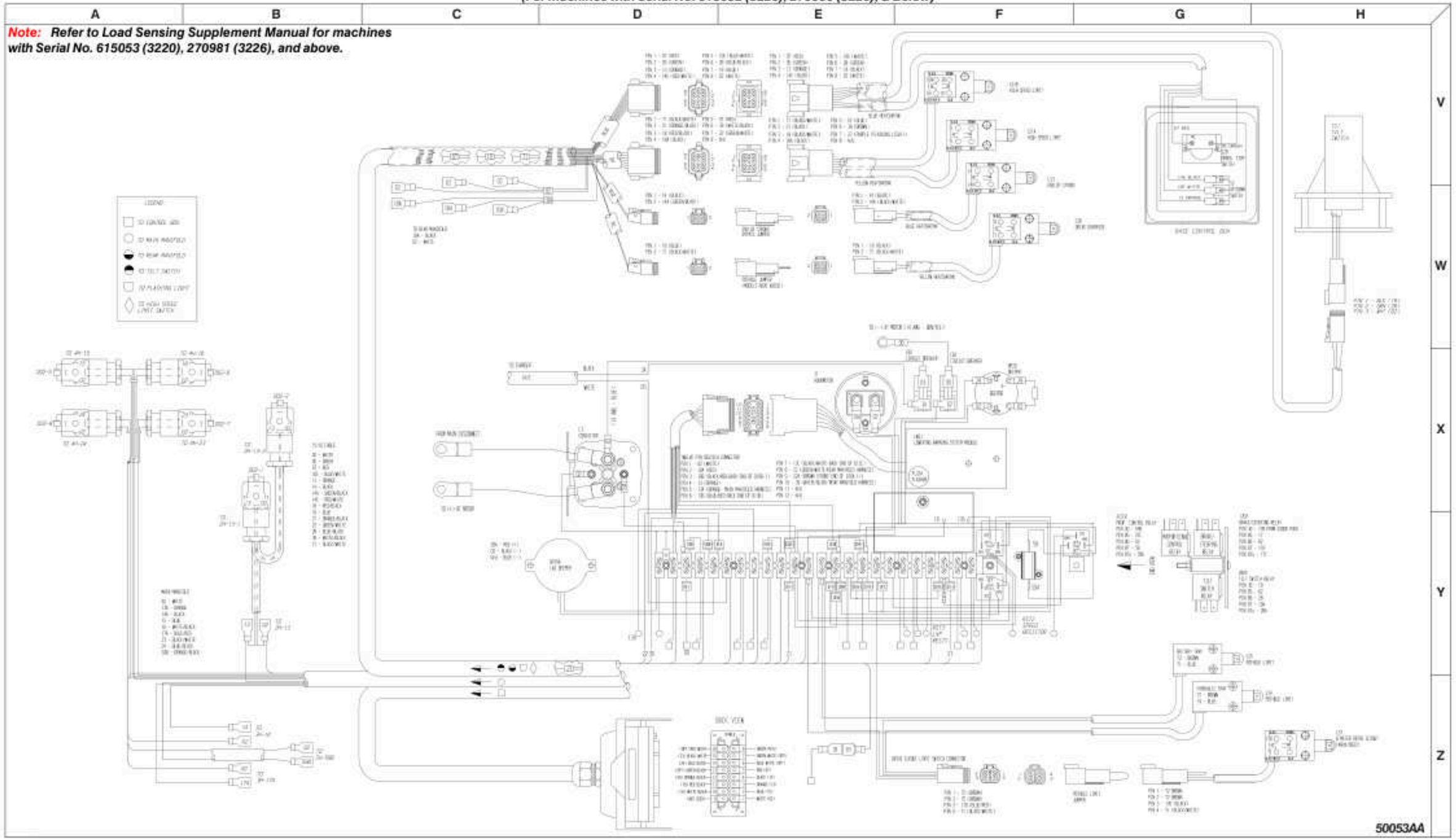


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Figure 3.5-4. Electrical Panel Diagram - CE Models Equipped With All Options - Model 32XX
(For machines with Serial No. 615052 (3220), 270980 (3226), & Below)

A	B	C	D	E	F	G	H

Note: *Refer to Load Sensing Supplement Manual for machines with Serial No. 615053 (3220), 270981 (3226), and above.*



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