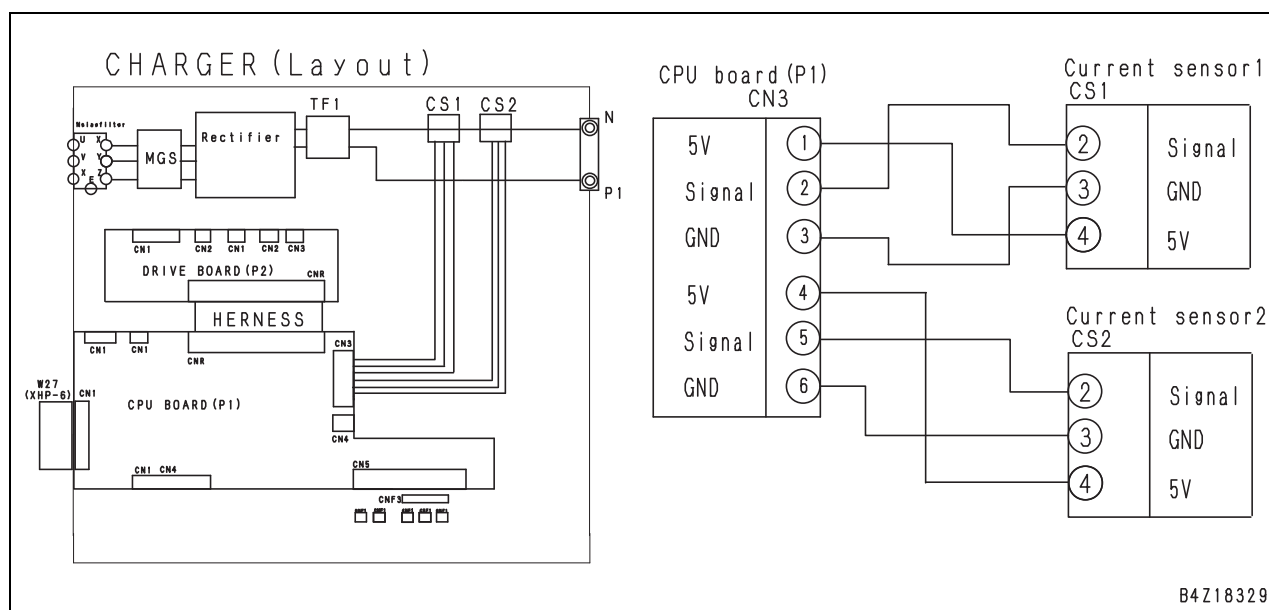


Failure code [DJK2MA] INIT) Charge Current SNSR (Serial number: 300001 to 304911)

Action level	Failure code	Failure	Charge current sensor calibration error (Charger system)
L03	DJK2MA		
Detail of failure	Calibration of charge current sensors (CS1, CS2) fails in the charger.		
Action of controller	- Stops charging. - The caution symbol is displayed on the monitor panel, and an alarm buzzer is activated.		
Problem on lift truck	Battery cannot be charged.		
Related information			

No.	Cause	Procedure, measuring location, criteria and remarks													
1	Poor contact of connectors, or wire harness disconnection	1. Turn the starting switch to OFF position. 2. Unplug the charger plug, and turn OFF the breaker of AC power breaker. (When 10 minutes or more have passed, open the charger cover.) 3. Measure the harness resistance between current sensors (CS1, CS2) and CPU board (P1). <table border="1"> <tr> <td rowspan="6">Resistance</td> <td>Between CS1-4 and CN3-1</td> <td>Max. 1Ω</td> </tr> <tr> <td>Between CS1-3 and CN3-3</td> <td>Max. 1Ω</td> </tr> <tr> <td>Between CS1-2 and CN3-2</td> <td>Max. 1Ω</td> </tr> <tr> <td>Between CS2-4 and CN3-4</td> <td>Max. 1Ω</td> </tr> <tr> <td>Between CS2-3 and CN3-6</td> <td>Max. 1Ω</td> </tr> <tr> <td>Between CS2-2 and CN3-5</td> <td>Max. 1Ω</td> </tr> </table>	Resistance	Between CS1-4 and CN3-1	Max. 1Ω	Between CS1-3 and CN3-3	Max. 1Ω	Between CS1-2 and CN3-2	Max. 1Ω	Between CS2-4 and CN3-4	Max. 1Ω	Between CS2-3 and CN3-6	Max. 1Ω	Between CS2-2 and CN3-5	Max. 1Ω
Resistance	Between CS1-4 and CN3-1	Max. 1Ω													
	Between CS1-3 and CN3-3	Max. 1Ω													
	Between CS1-2 and CN3-2	Max. 1Ω													
	Between CS2-4 and CN3-4	Max. 1Ω													
	Between CS2-3 and CN3-6	Max. 1Ω													
	Between CS2-2 and CN3-5	Max. 1Ω													
2	Abnormal current sensor	If no failure is found by the preceding checks, the current sensor is defective.													
3	Defective CPU board (P1)	If no failure is found by the above checks, the charging controller is defective. (Since this is an internal defect, troubleshooting cannot be performed).													

Circuit diagram related to charge current sensor



Failure code [DJK2MA] INIT) Charge Current SNSR (Serial number: 304912 and up)

Action level	Failure code	Failure	Charge current sensor calibration error (Charger system)
L03	DJK2MA		
Detail of failure	Calibration of charge current sensors (CS1, CS2) fails in the charger.		
Action of controller	- Stops charging. - The caution symbol is displayed on the monitor panel, and an alarm buzzer is activated.		
Problem on lift truck	Battery cannot be charged.		
Related information			

No.	Cause	Procedure, measuring location, criteria and remarks		
1	Poor contact of connectors, or wire harness disconnection	1. Turn the starting switch to OFF position.		
		2. Unplug the charger plug, and turn OFF the breaker of AC power breaker. (When 10 minutes or more have passed, open the charger cover.)		
		3. Measure the harness resistance between current sensors (CS1, CS2) and CPU board (P1).		
		Resistance	Between CS1-4 and CN3-1	Max. 1Ω
			Between CS1-3 and CN3-3	Max. 1Ω
			Between CS1-2 and CN3-2	Max. 1Ω
			Between CS2-4 and CN3-4	Max. 1Ω
Between CS2-3 and CN3-6	Max. 1Ω			
	Between CS2-2 and CN3-5	Max. 1Ω		
2	Abnormal current sensor	If no failure is found by the preceding checks, the current sensor is defective.		
3	Defective CPU board (P1)	If no failure is found by the above checks, the charging controller is defective. (Since this is an internal defect, troubleshooting cannot be performed).		

Circuit diagram related to charge current sensor

