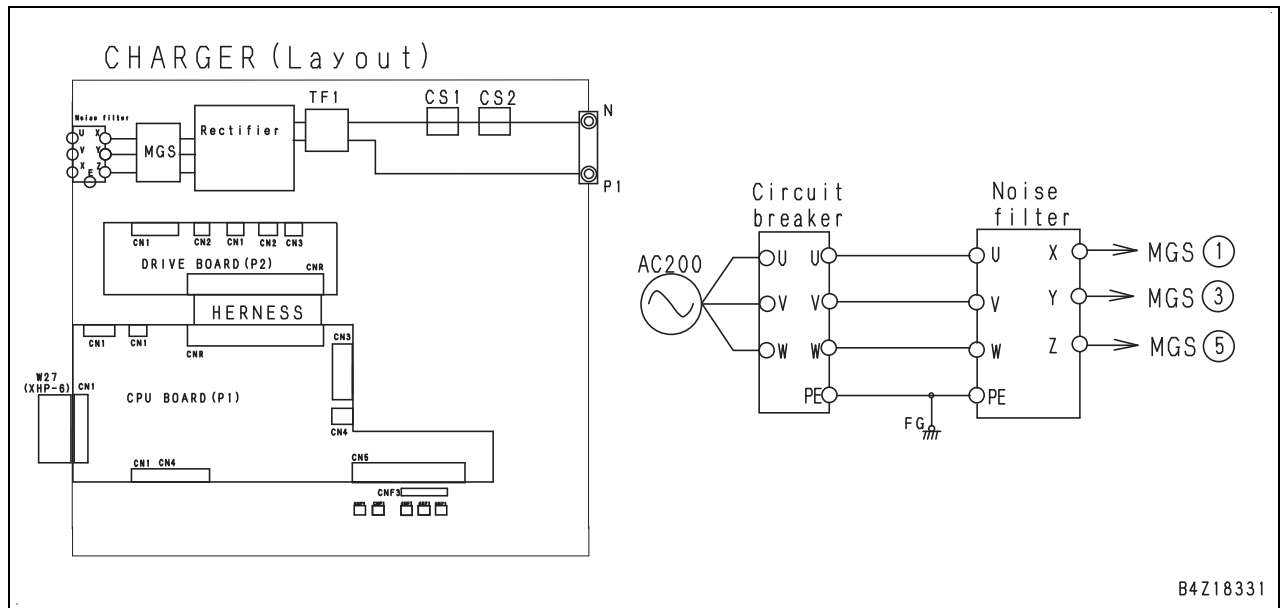


Failure code [GFA3MA] MISMATCH) POWER CURRENT (CHGR) (Serial number: 300001 to 304911)

Action level	Failure code	Failure	Abnormal charging current (Charger system)
L03	GFA3MA		
Detail of failure	The charging current does not flow as specified by the current command.		
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	Dropped AC power voltage	1. Unplug the charger plug, and turn OFF the breaker of AC power breaker. 2. Make sure that other devices are not loaded, and turn ON the AC power breaker. 3. Measure the AC power voltage ⚠ When you measure the AC voltage, be careful not to receive an electric shock.		
		Voltage	Between U and V terminals of AC power breaker	AC182 to 222V
			Between V and W terminals of AC power breaker	AC182 to 222V
			Between W and U terminals of AC power breaker	AC182 to 222V
2	Open circuit in wiring harness	1. Unplug the charger plug, and turn OFF the breaker of AC power breaker. When 10 minutes or more have passed, open the charger cover.) 2. Measure the resistance of wire harness.		
		Resistance	Between noise filter U terminal and plug U terminal	Max. 1Ω
			Between noise filter V terminal and plug V terminal	Max. 1Ω
			Between noise filter W terminal and plug W terminal	Max. 1Ω
			Between noise filter PE terminal and plug PE terminal	Max. 1Ω
3	Defective CPU board (P1)	If no failure is found by the above checks, the CPU board (P1) of the charger is defective. (Since this is an internal defect, troubleshooting cannot be performed.)		
4	Defective charger	If no failure is found by the above checks, the charger is defective. (Since this is an internal defect, troubleshooting cannot be performed.)		

Circuit diagram related to charger charging current



Failure code [GFA3MA] MISMATCH) POWER CURRENT (CHGR) (Serial number: 304912 and up)

Action level	Failure code	Failure	Abnormal charging current (Charger system)
L03	GFA3MA		
Detail of failure	The charging current does not flow as specified by the current command.		
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	Dropped AC power voltage	1. Unplug the charger plug, and turn OFF the breaker of AC power breaker. 2. Make sure that other devices are not loaded, and turn ON the AC power breaker. 3. Measure the AC power voltage ⚠ When you measure the AC voltage, be careful not to receive an electric shock.		
		Voltage	Between U and V terminals of AC power breaker	AC182 to 222V
			Between V and W terminals of AC power breaker	AC182 to 222V
			Between W and U terminals of AC power breaker	AC182 to 222V
2	Open circuit in wiring harness	1. Unplug the charger plug, and turn OFF the breaker of AC power breaker. When 10 minutes or more have passed, open the charger cover.) 2. Measure the resistance of wire harness.		
		Resistance	Between noise filter U terminal and plug U terminal	Max. 1Ω
			Between noise filter V terminal and plug V terminal	Max. 1Ω
			Between noise filter W terminal and plug W terminal	Max. 1Ω
			Between noise filter PE terminal and plug PE terminal	Max. 1Ω
3	Defective CPU board (P1)	If no failure is found by the above checks, the CPU board (P1) of the charger is defective. (Since this is an internal defect, troubleshooting cannot be performed.)		
4	Defective charger	If no failure is found by the above checks, the charger is defective. (Since this is an internal defect, troubleshooting cannot be performed.)		

Circuit diagram related to charger charging current

