

Replace the defect temperature sensor

Does this solve the problem?

1] Yes

2] No

3] I don't know

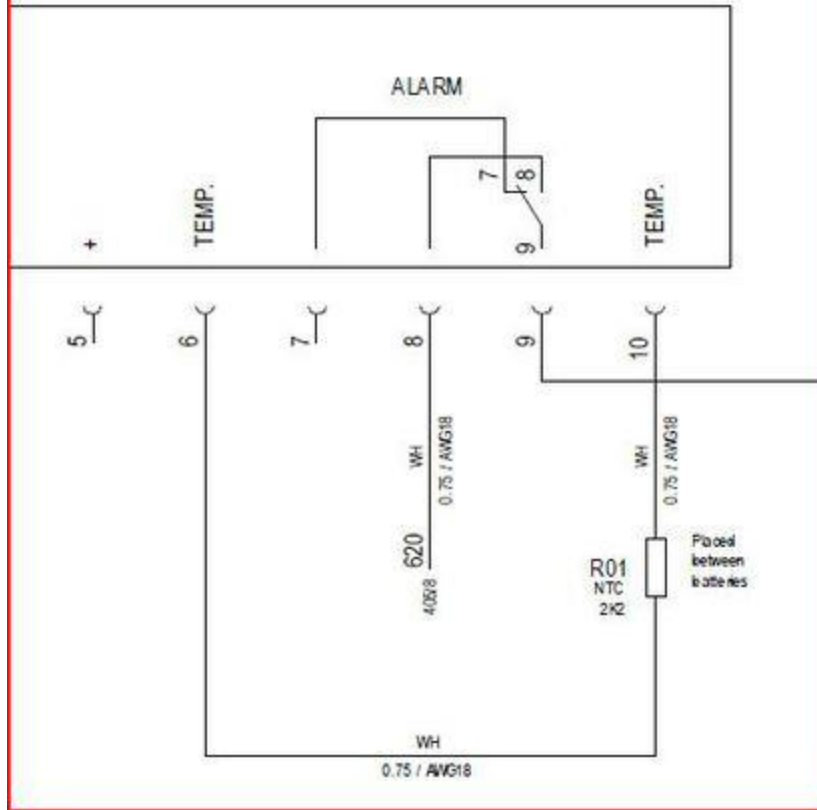
- **Explanation**
IN THE +AN1 PANEL:

Check the temperature sensor (thermistor) (POS : R01) which is place in-between batteries. Replace the sensor if defective.

Part number for temperature sensor:

60000720 - TEMP SEN BAT CHARGER ADC5483

JUMPER FOR TEMP. COMP.
SETTING = ON





Replace the defective power net

Does this solve the problem?

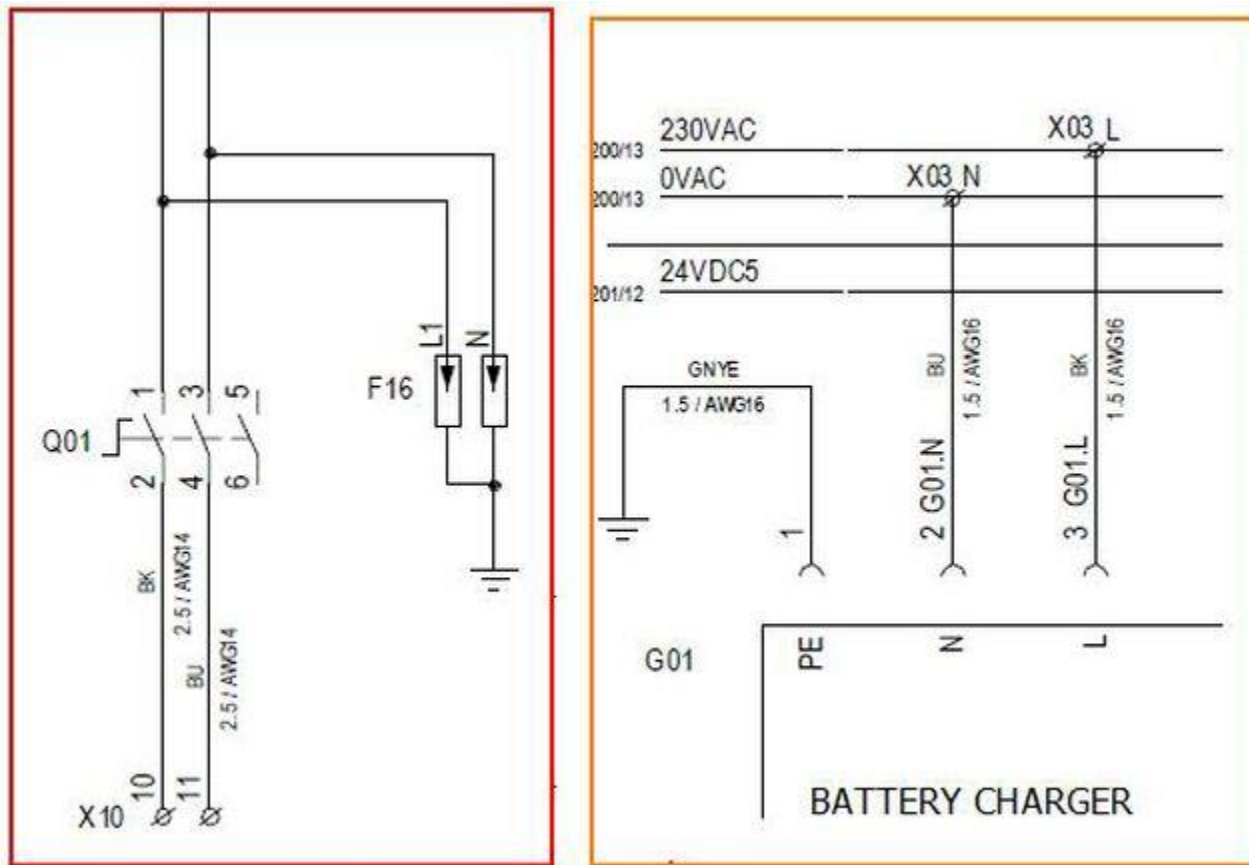
- 1] Yes
- 2] No
- 3] I don't know

- **Explanation**
IN THE +AN1 PANEL:

Check the power net for any loose or damaged electrical connections.

Check the INPUT /OUTPUT voltage; if the 230/115V supply is present, but the DC output is low or not present, it is likely a defective power net. If the output voltage is low, adjust the rheostat on the power net accordingly to increase the output.

If defect power net replace with new.





Part number for Power net:

188453 - PS ADC 5483R-3 10A-27,4 NM PIN

CIM [1390](#)

Replace the defective batteries

Does this solve the problem?

- 1] Yes
- 2] No
- 3] I don't know

- **Explanation**
IN THE +AN1 PANEL:

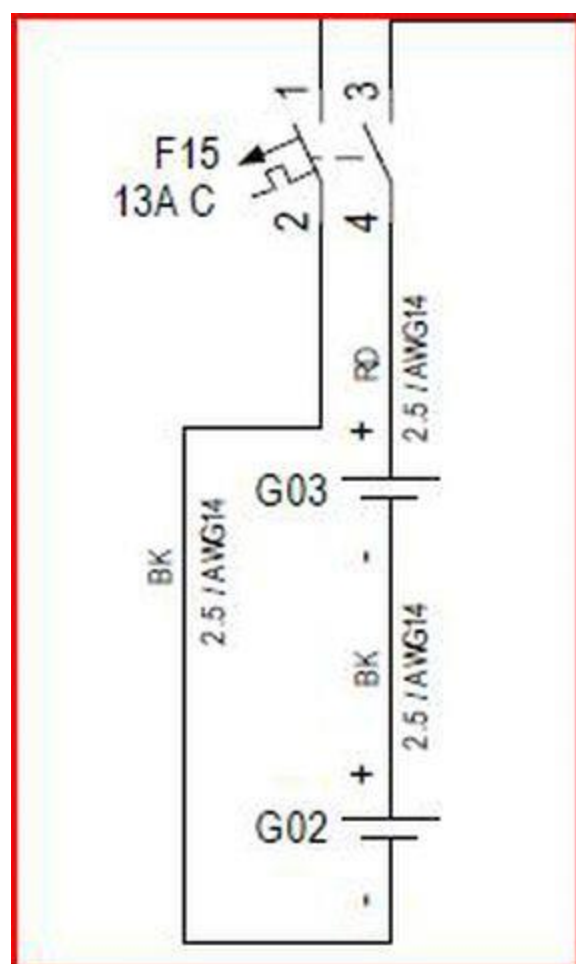
Visually inspect the batteries, look for bulging sides, leaking or corroded terminals. Check the voltage displayed on the charger. If the voltage is low, and the charging circuit has been verified, the batteries are likely failing and should be replaced. If the batteries are operational, yet have corrosion on the terminals, clean the terminals and apply dielectric grease to prevent further corrosion.

If defective, replace the batteries (G02, G03).

Check for any loose terminal connections. Repair as necessary.

Part number for 12V battery:

60000711 - BAT H4 12V 32Ah





Cleaned terminals with dielectric grease applied:



Replace the defective components

Does this solve the problem?

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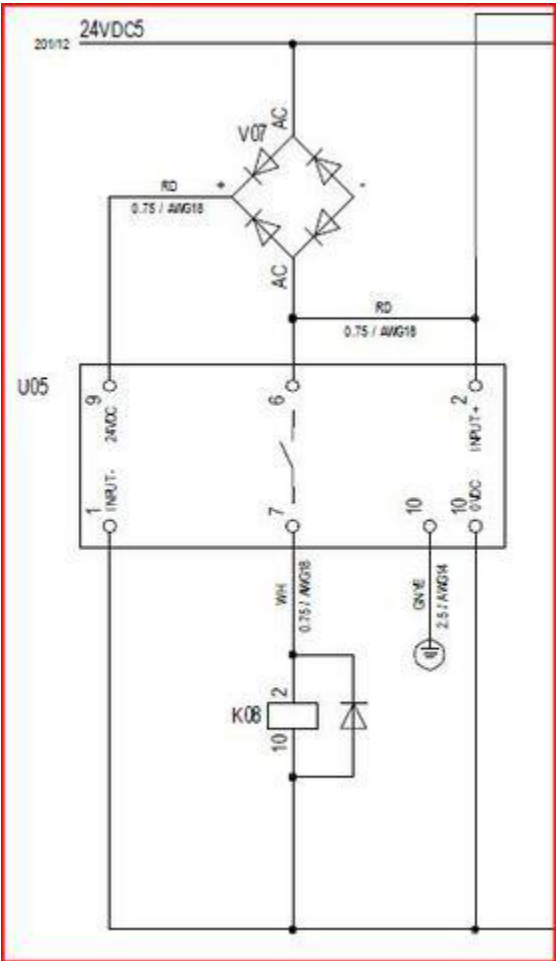
- **Explanation**
IN THE +AN1 PANEL:

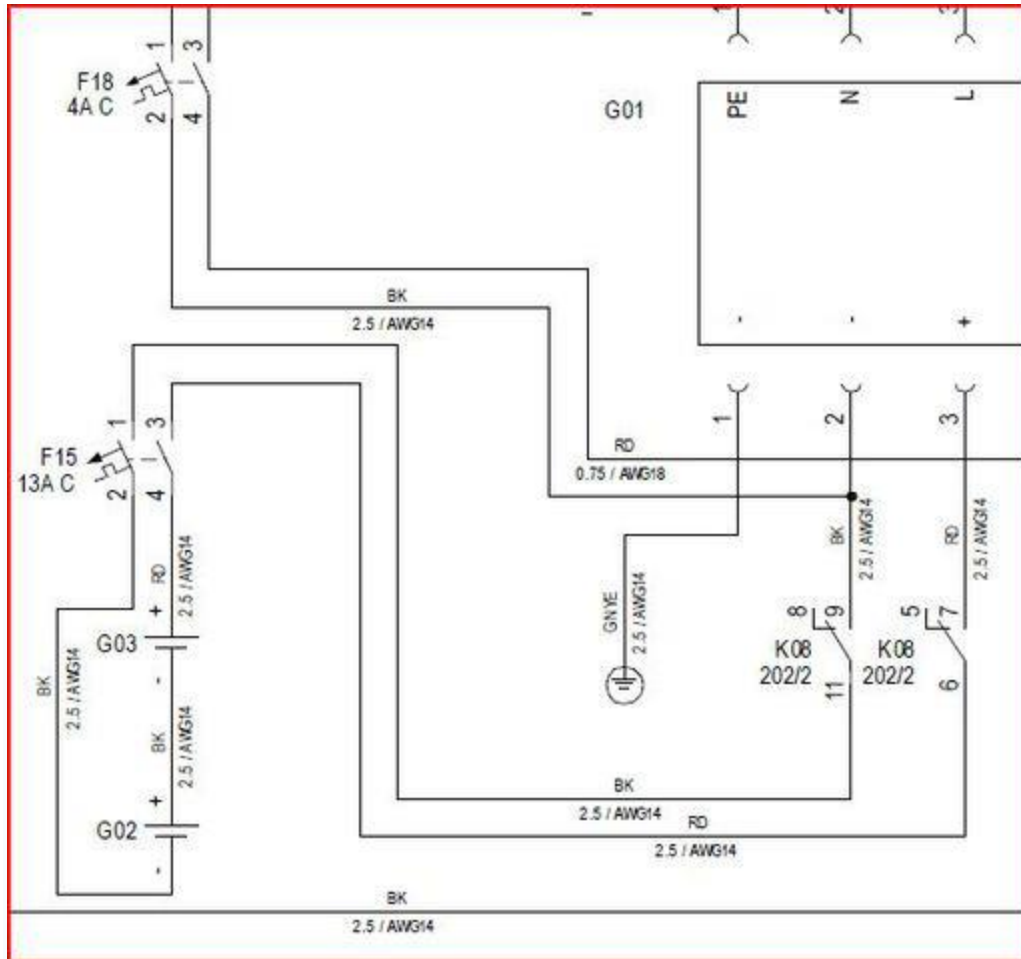
Check the K08 relay operation and INPUT/OUTPUT voltage.

Check the Trip amplifier and Bridge rectifier.

Check for any loose connections in the circuit.

Replace any defective components that are discovered.





Part numbers:

Position- U05 → 60004924 - TRIP AMPLIFIER 2231D-1050

Position- V07 → 60000980 - DIODE BRID KBPC3506G 600V 35A

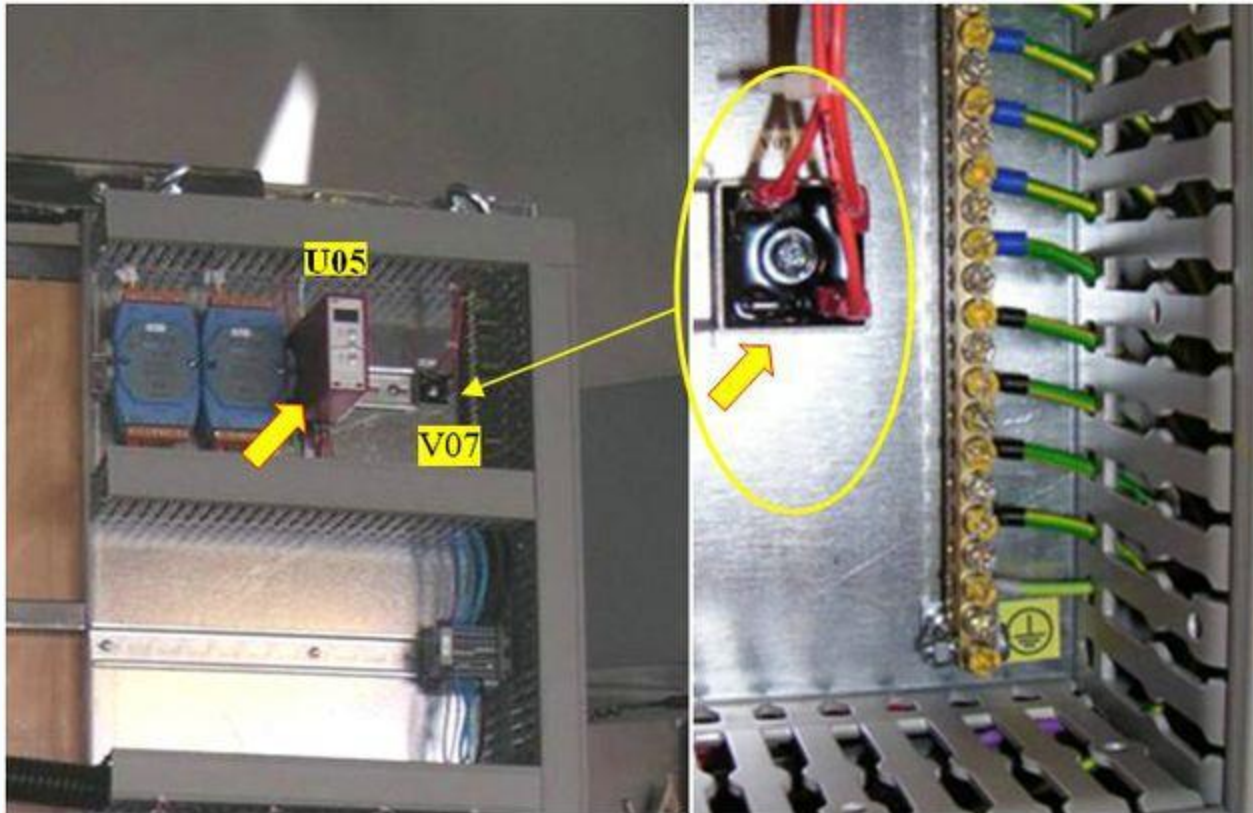
Position- K08 → 60004532 - RELAY MT3230C4 10A 24V 3P

NOTE:

While replacing the bridge rectifier apply the cooling compound to the surface, this will increase the cooling efficiency.

60014555 - COOLING COMPOUND HTS35SL 35ml





Replace the defect TOI

Does this solve the problem?

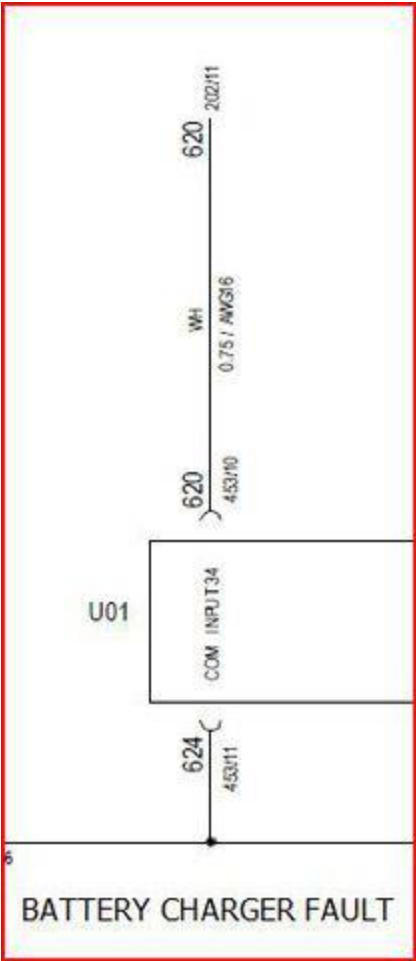
- 1] Yes
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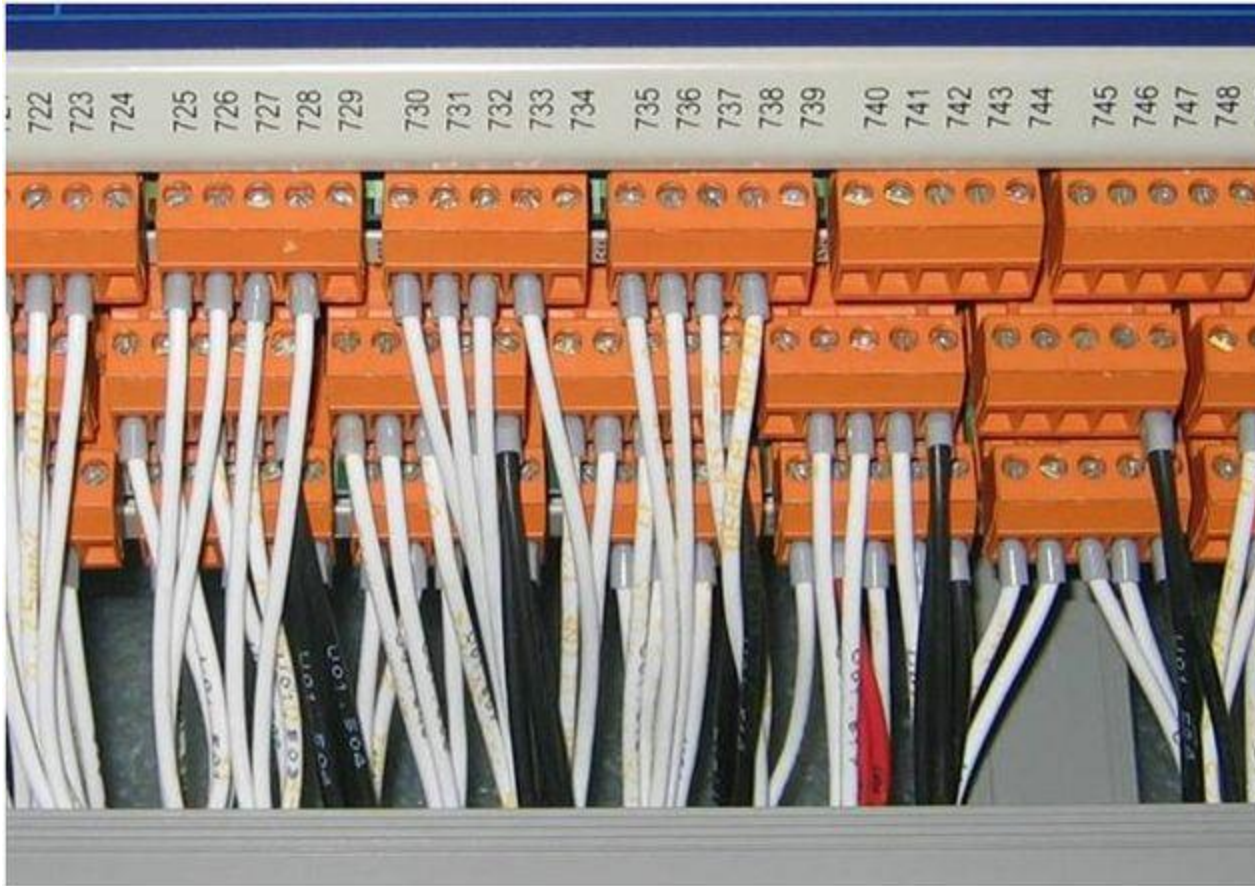
- **Explanation**
IN THE +AN1 PANEL:

Check for the input signal for Battery Charger Fault.

If the signal is not present the cause is likely a defective TOI.

Check for any loose/damaged connections on the TOI.





Part number for TOP TOI:

51701601 - TOI-II INTERF EXT POC