**Replace the defect components**

**Does this solve the problem?**

1] Yes

2] No

3] I don't know

- **Explanation**

**IN THE +AN1 CABINET:**

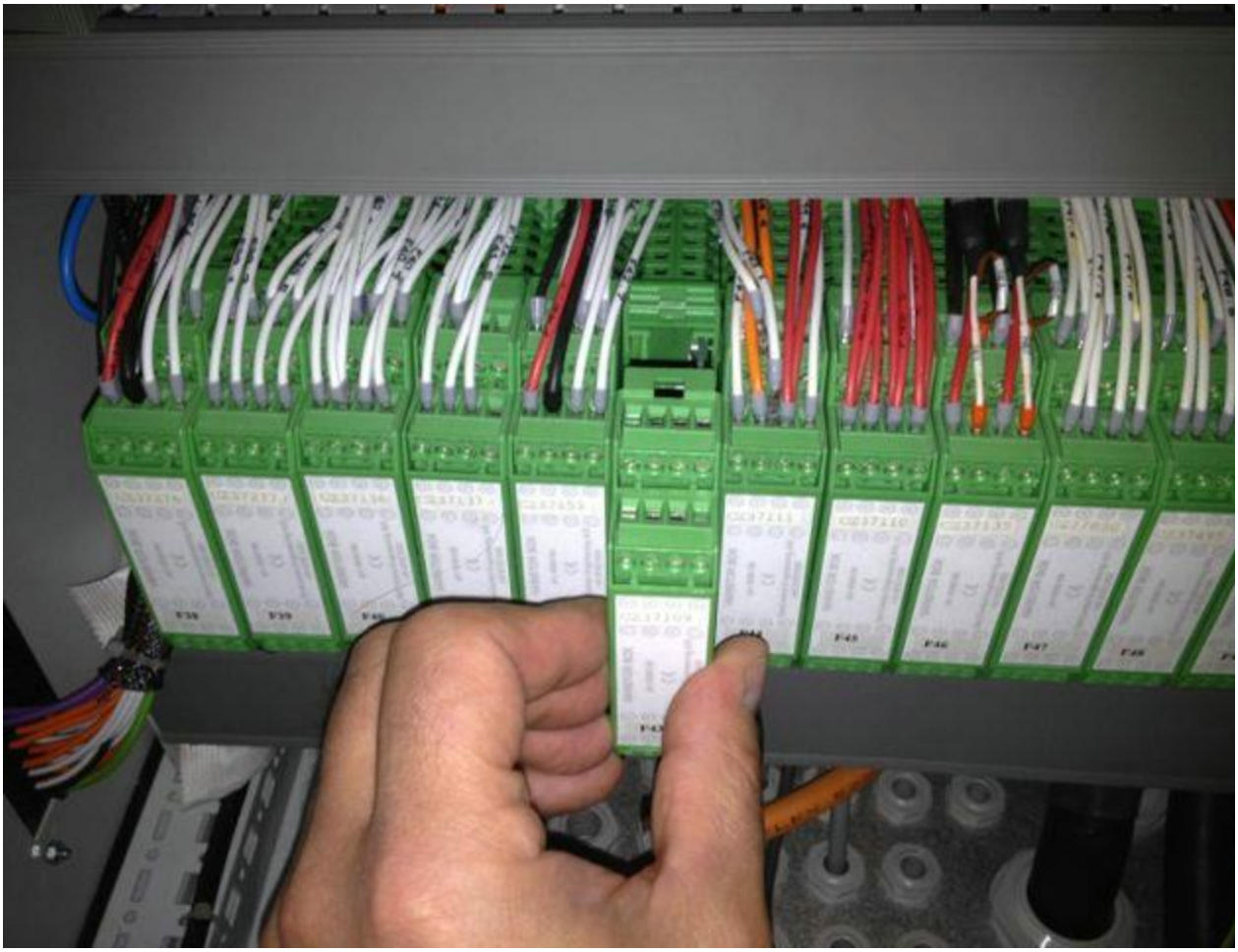
Varistor (F47-MkIII+/F12&F13-MkII-) can be tested individually by placing a multimeter (set to measure Ω) lead on the common (earth) side of the varistor and the other on the individual varistor terminals. The resistance value over the varistor should be ∞ or in the high MΩ range. If the resistance is lower, the varistor has been damaged by an over voltage in the circuit and must be replaced

**Part number for Varistor:**

51706201 - VARISTOR BOX X8

**Varistor box F47:**


To replace the varistor, press the clip on top and bottom of the varistor box and remove the varistor assembly from housing.



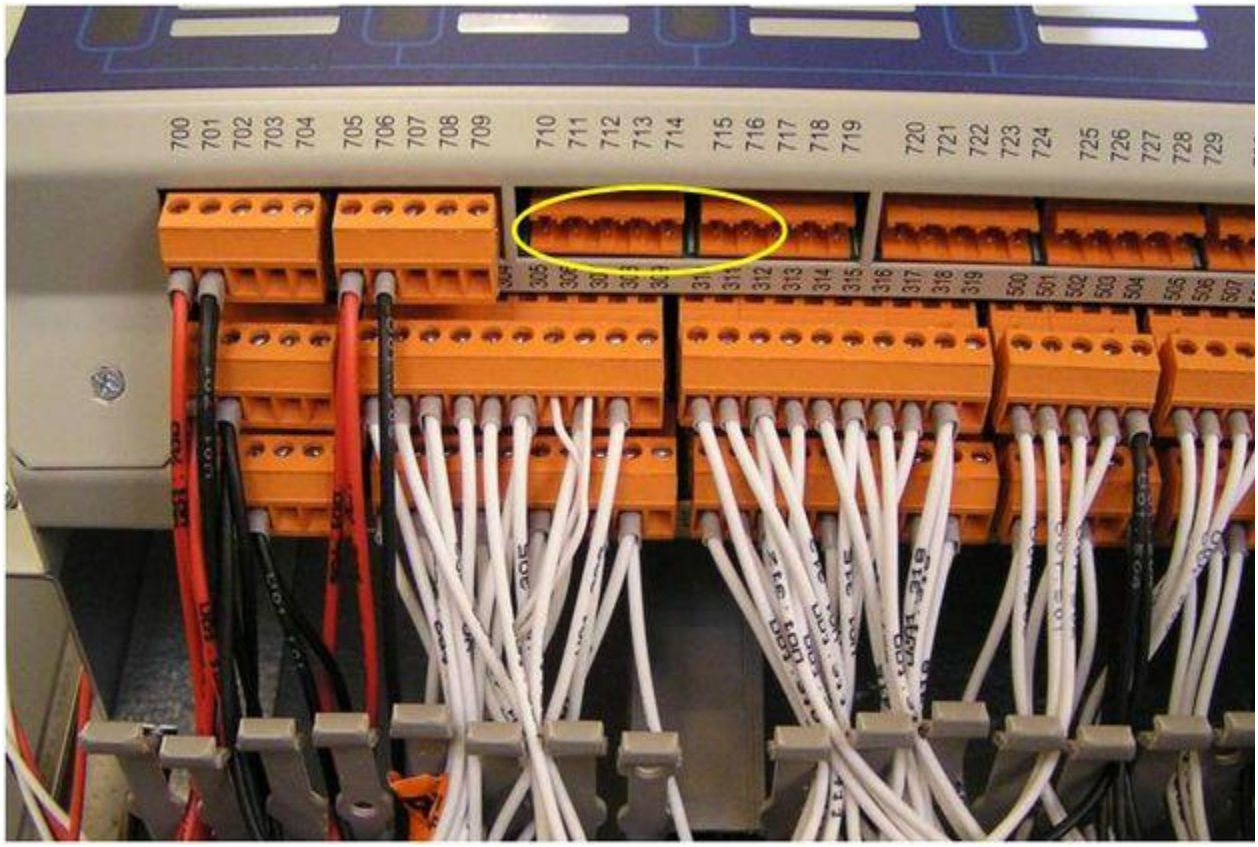
The varistor box is made up of eight varistors and has provisions for 16 wire connections (protection for 8 signals).

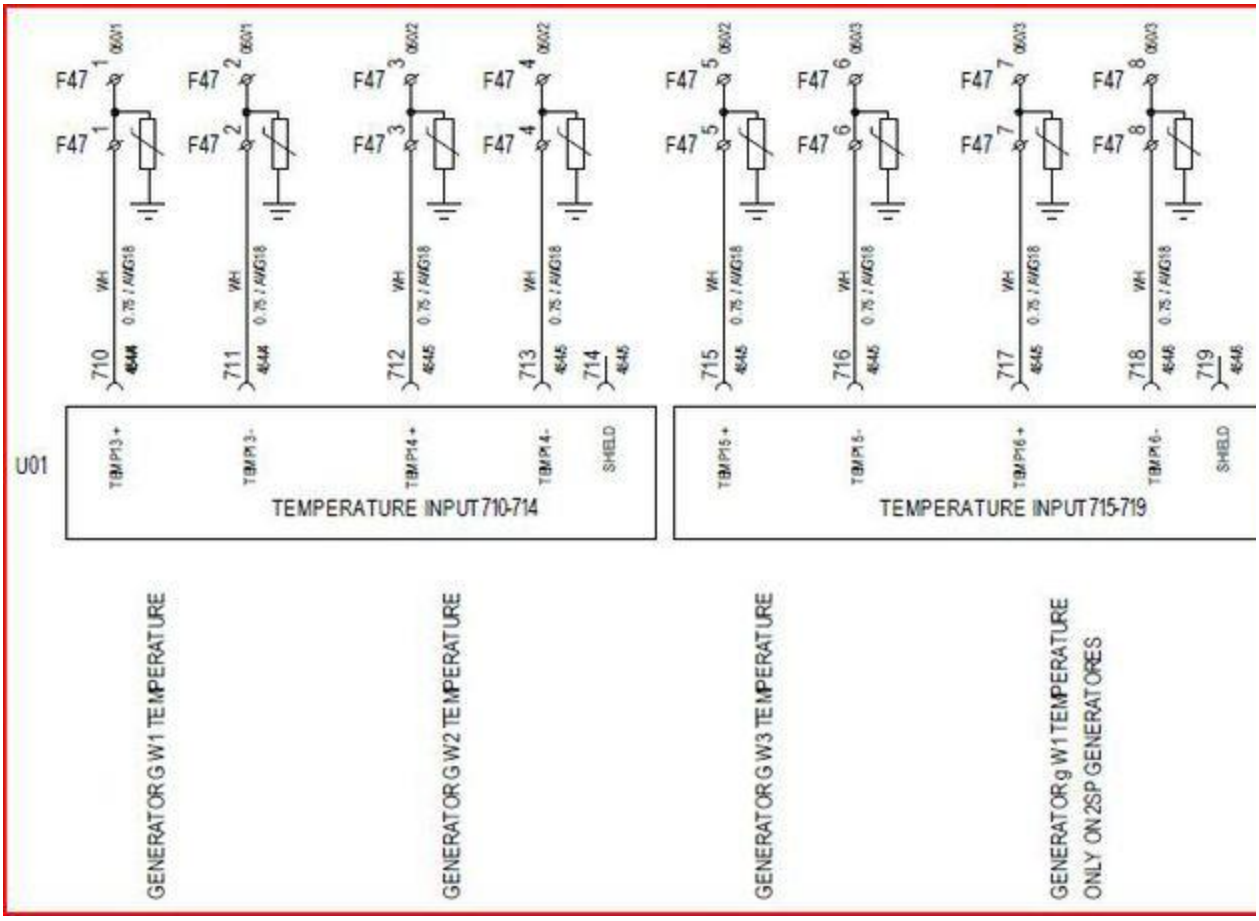
**IN THE +AN1 CABINET:**

Check the connections in the TOI unit, If the value does not match that taken from the TAC Temperature menu, then the cause is likely a faulty Nacelle TOI

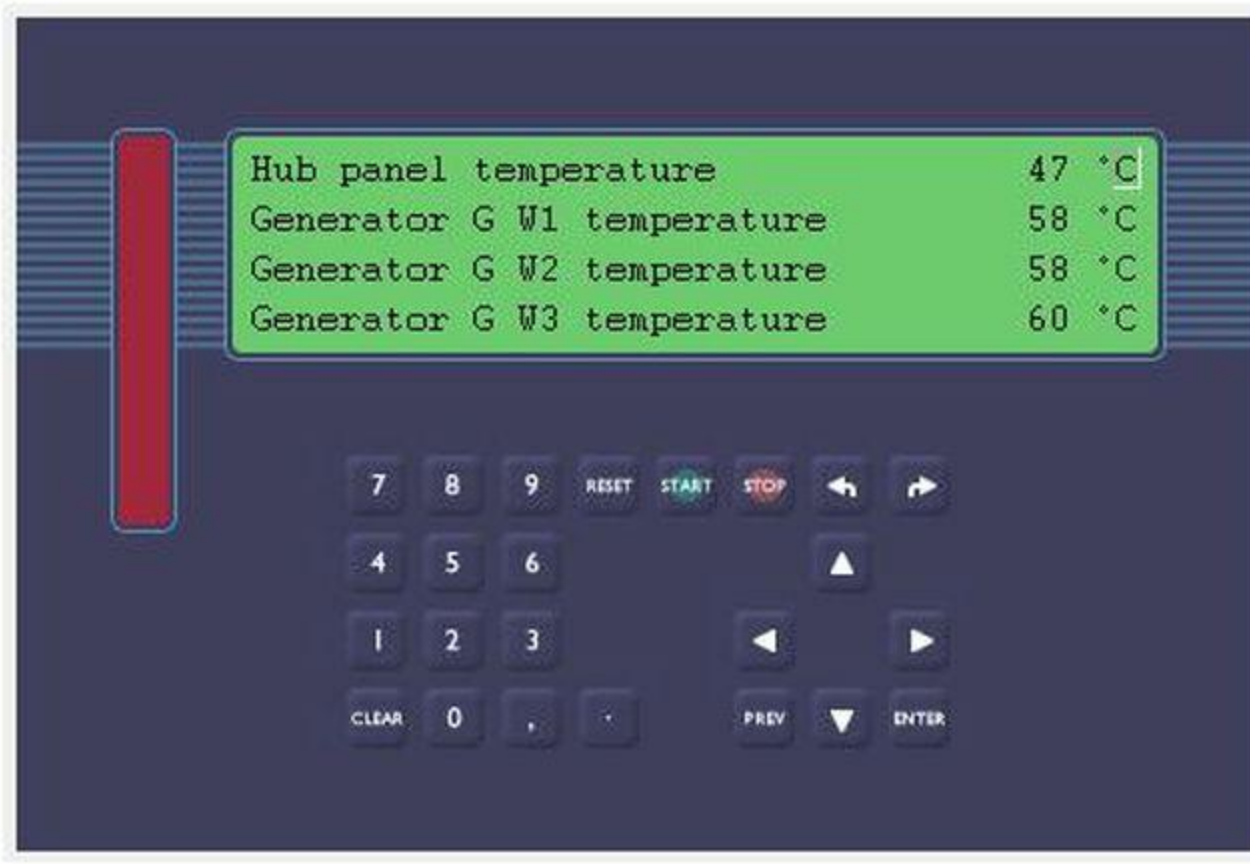
**Part number for TOI unit:**

51701601- TOI-II INTERF EXT POC






Check that the temperature value matches the  TAC Temperature menu:




**Replace the defective PT100 sensor**

**Does this solve the problem?**

1] Yes

2] No

3] I don't know

- **Explanation**

**IN THE GENERATOR TERMINAL BOX:**

Check PT100 for any loose connections and tightness ,

Use a multimeter set to read Ω and measure the resistance across the leads of the PT100.

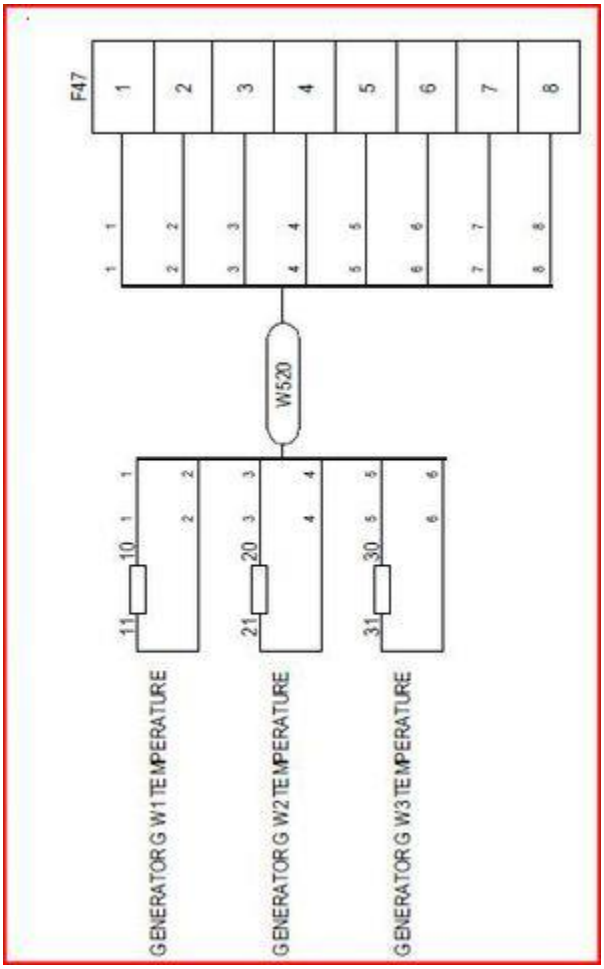
Use the resistance/temperature conversion chart to determine the actual measured value.

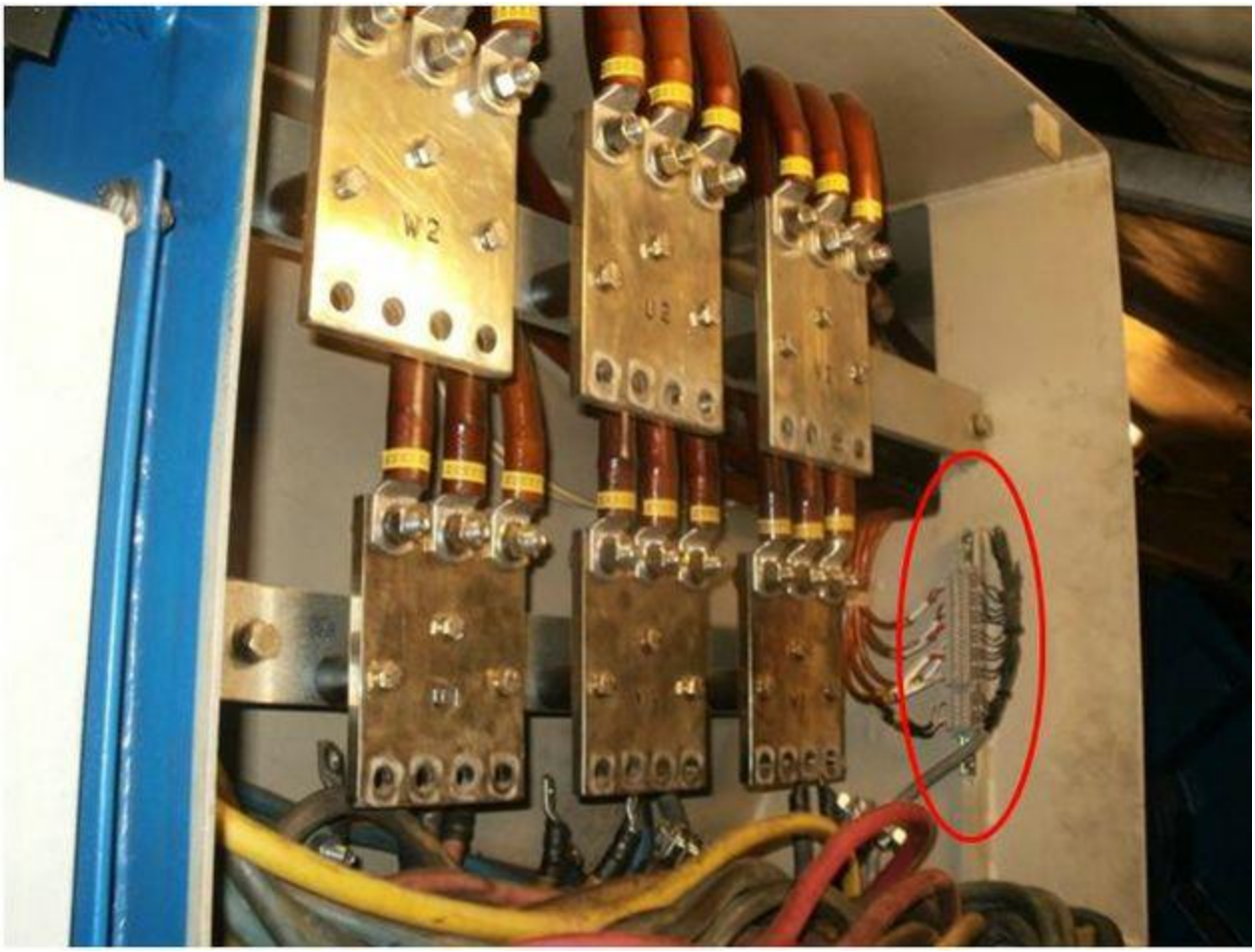
0039-6203 - PT100 Resistance/Temperature chart

If the value matches that taken from the TAC Temperature menu, then the circuit is working as designed.

If the value is unreal (-40 to 200 °C), then the PT100 is faulty

Use spare PT100 sensor in the generator.




W2
U2
V2
U1
V1