Replace faulty component

Does this solve the problem?

1] Yes

2] No

3] I don't know

- **Explanation**

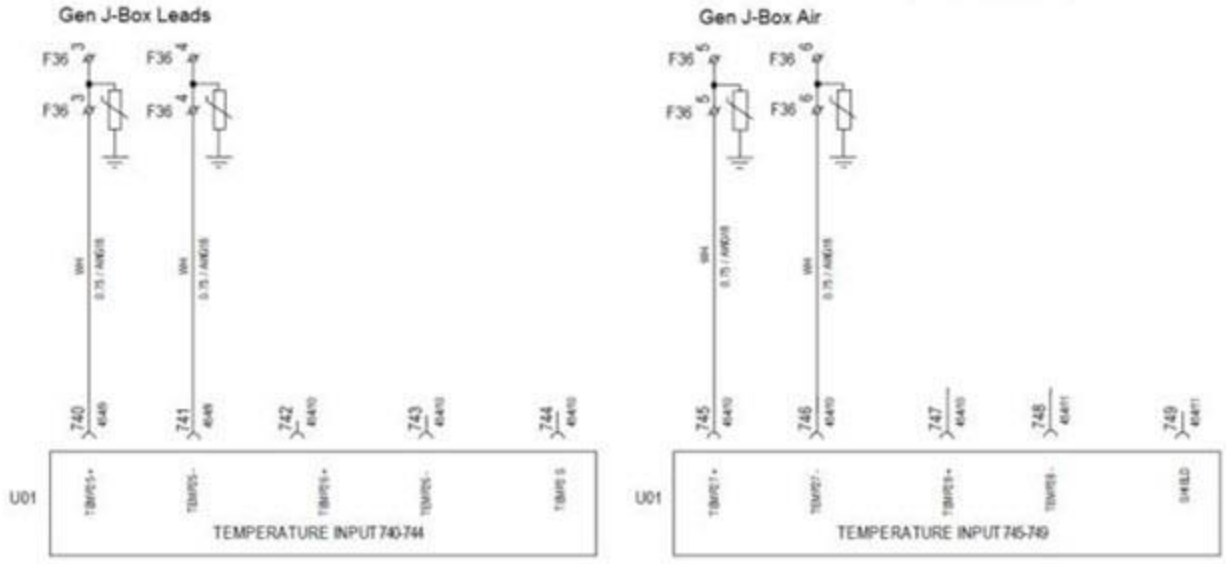
Check that the PT100 measurement is accurate.

1. If the sensor is suspected to be reading inaccurately, check the resistance of the PT100.
    1. Disconnect the wires of the Pt100 sensor from terminals 740 & 741 on the AN1 TOI.
    2. Measure the resistance of the PT100 across the leads.
    3. Using the PT100 Ohm-Temp chart, determine if the sensor is operating within range.
    4. If the sensor is good, Check for faulty connections in the rest of the circuit.
2. If connections are good and the PT100 is working then check the TOI.
    1. Remove wires from TOI terminal 740 & 741 and switch them with another temperature input (e.g. 745 and 746).
    2. Observe temperature with the wires in the new input. If it is the same as it was with the wires in 740 and 741 then the TOI is likely working.
    3. If temperature is different, TOI is defective.

1. If both the PT100 and TOI are working then inspect the varistor F36 in the AN1 cabinet.
    1. Remove PT100 wires from the top and bottom terminals 3 and 4 of the F36 varistor and place them in a spare set of terminals.
    2. If temperature returns to normal then the varistor was defective and must be replaced.

PT100 Item number: 60009282
TOI Item number: 60015648

Varistor Item number: 51706201



This guide is valid for all V82 1.65 MW turbines with CIM 2438 installed