Replace the B13 Pt-100

Does this solve the problem?

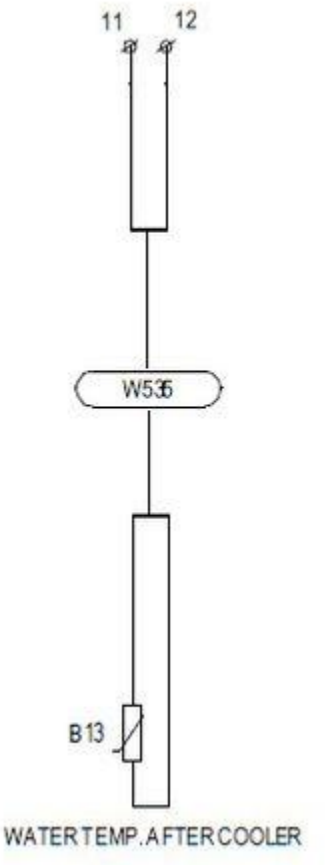
1] Yes
2] No
3] I don't know

- **Explanation**

Check the Pt100 temperature sensor. Use the resistance chart to verify your readings.

If the temp is -40°C, you should troubleshoot a line to line short.
If the temp is 200°C, you should troubleshoot an open.

Perform a pull test on the wires to ensure any opens are not due to loose connections.



Pt100 resistance/temp chart Doc.number: 0039-6203
AN1 wiring diagram Doc.number: 6015601
AN14 wiring diagram Doc.number: 6015818

PT100 180-4-10M Ø6x60mm Part number: 60009283

Replace the F43 varistor

Does this solve the problem?

1] Yes
2] No

3] I don't know

- **Explanation**

Check the F43 with a multimeter set to diode test. There should be no continuity from line to ground.
Replace the F43 if it is damaged.

Replace the TOI

Does this solve the problem?

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

- **Explanation**

Measure the Pt-100 resistance with a meter and look up the corresponding temperature on the Pt-100 temp chart. If the temperature reading on the TOI is wrong, then it is probably defective.

Alternatively, you can swap the leads with another Pt-100 in the nacelle and check to see if the TOI gives you the correct temperature through the water after cooler circuit.

Pt100 resistance/temp chart Doc.number: 0039-6203

TOI part number: 60015648

Test the W535 cable

Does this solve the problem?

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

- **Explanation**

Check the W535 cable going from the AN1 to the AN14. Check connections on both sides of the cable. Pull test the wires and ohm out the each wire. Replace the cable if it is damaged.