

Replace the Pt-100 sensor in pos. B13

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.



WATER TEMPERATURE AFTER COOLER2

Pt100 resistance/temp chart Doc.number: [0039-6203](#)

AN1 wiring diagram Doc.number: [0003-2029](#)

PT100 180-4-10M Ø6x60mm Part number: [60009283](#)

PT100 180-4-7M Ø6x60mm Part number: [60009281](#)

Test the F50

Does this solve the problem?

- 1] Yes
- 2] No

3] I don't know

• **Explanation**

Test the F50 varistor with a multimeter set to diode test. If there is continuity to ground, then the varistor should be replaced

AN1 wiring diagram Doc.number: [0003-2029](#)



Replace the TOI

Does this solve the problem?

1] Yes

2] No

3] I don't know

• **Explanation**

Measure the resistance of the B27 sensor from the AN1:U01 connections 737 and 738 (with wires disconnected).

If the temperature given by the controller doesn't match your readings, then a faulty TOI could be the cause.

AN1 wiring diagram Doc.number: [0003-2029](#)

Pt100 resistance/temp chart Doc.number: [0039-6203](#)

TOI Part number: [60015648](#)