Replace the defective PT100 sensor

Does this solve the problem?

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

- Explanation

IN THE +AN14 CABINET:

Check PT100 connections and tightness in the +AN14 panel.
Check the input in TOI U01 terminals 403 and 405

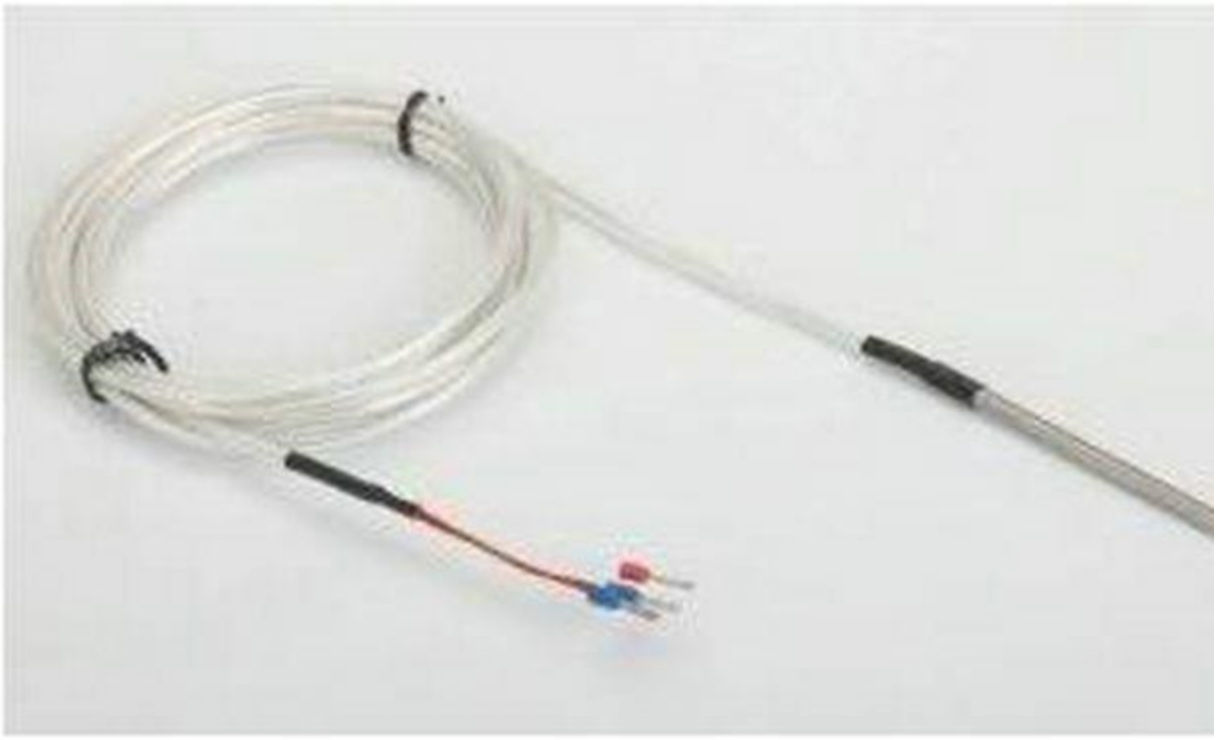
Use a multimeter set to read Ω and measure the resistance across the leads of the PT100.
Use the resistance/temperature conversion chart to determine the actual measured value.

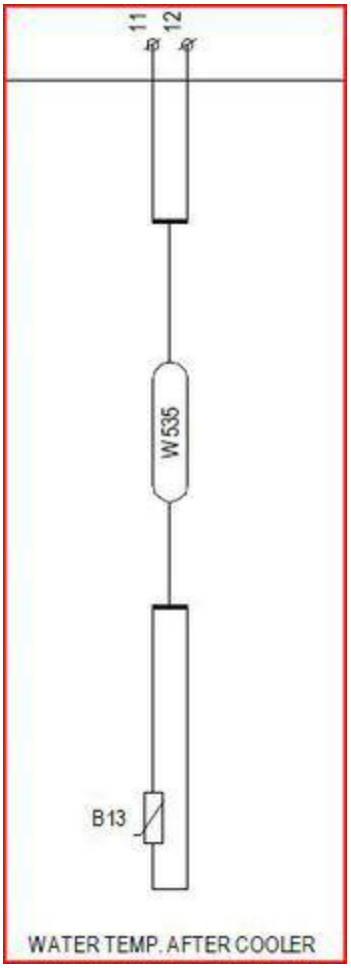
Relevant documentation	
Description	**DMS No.**
PT100 Resistance/Temperature chart	0039-6203

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 and must be replaced.

Relevant spare parts	
Description	**Item No.**
PT100 180-4-7M Ø6x60mm	60009281




11
12
W535
B13
WATER TEMP. AFTER COOLER

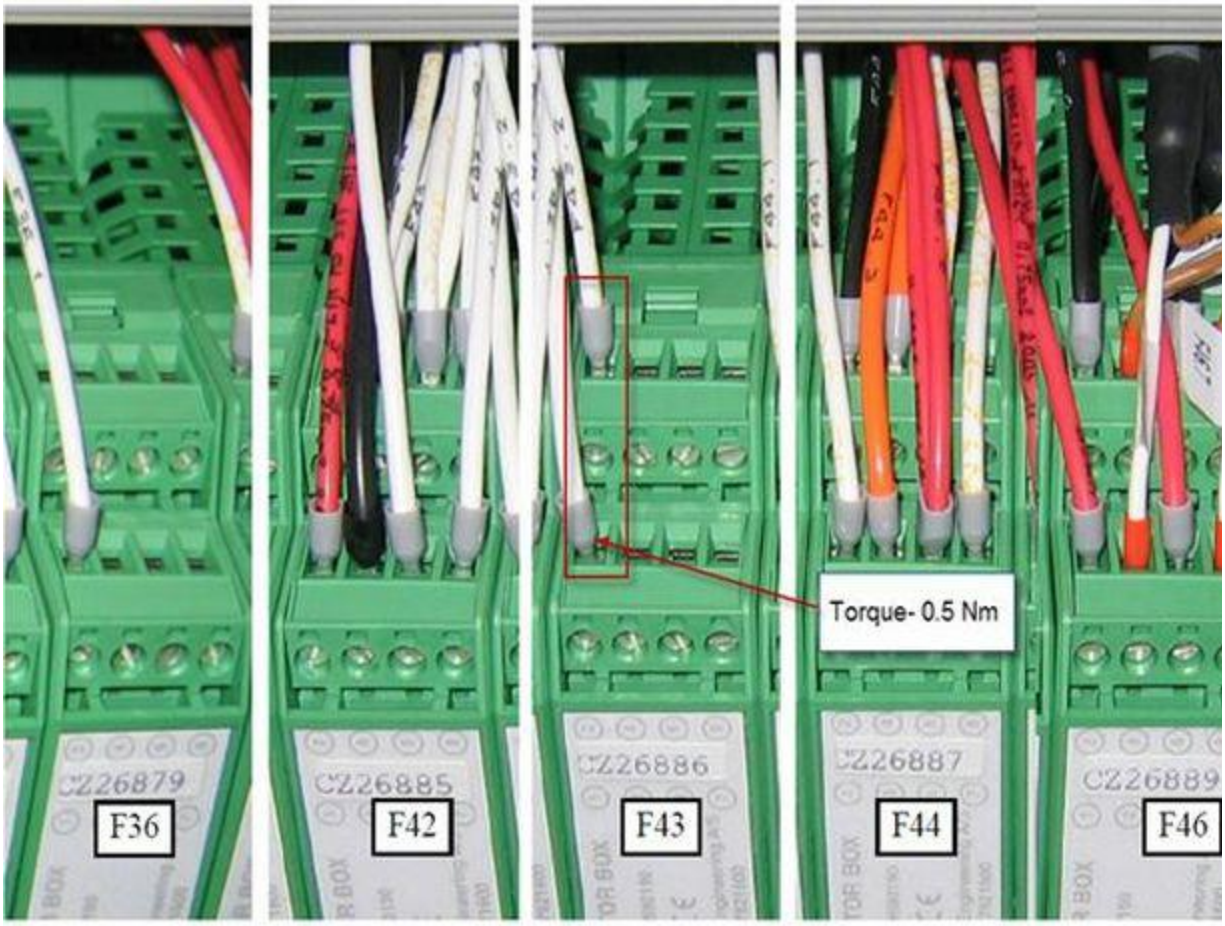
881 - PT100 fault water after cooler - V82

Replace the defective varistor
Does this solve the problem?
1] Yes
2] No
3] I don't know

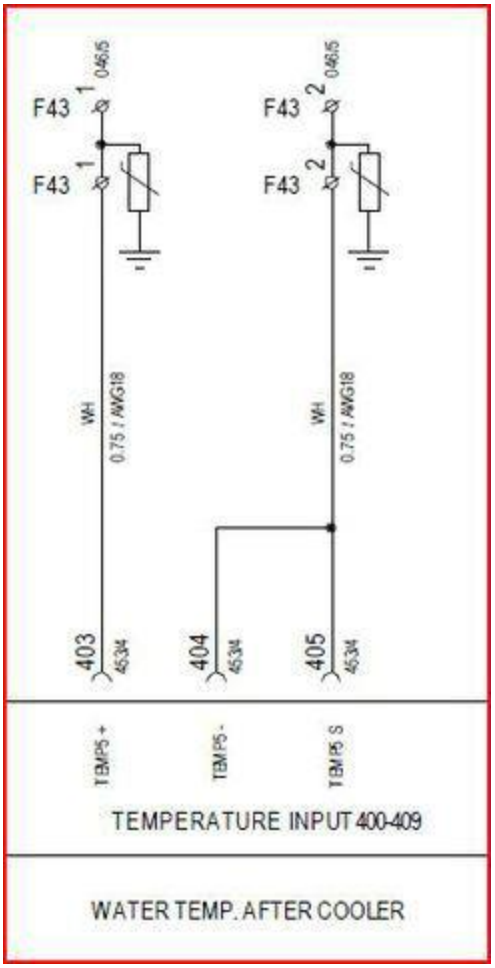
- Explanation

IN THE +AN1 CABINET:

Check the Varistors incoming /outgoing PIN terminals for any loose connections.



Varistors (F43 (MKIII+) / F11 (MKII-) can be tested individually by placing a multimeter (set to measure Ω) lead on the common (earth) side of the varistors 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.


F43 1
046/5
F43 1
F43 2
046/5
F43 2
WH
0.75 / AWG18
WH
0.75 / AWG18
403
453/4
404
453/4
405
453/4
TEMP5 +
TEMP5 -
TEMP5 S
TEMPERATURE INPUT 400-409
WATER TEMP. AFTER COOLER

Relevant spare parts	
Description	**Item No.**
VARISTOR BOX X8	51706201

Varistor box F43/F11:
Press clip on top and bottom of varistor box and remove varistor assembly from housing:

Replace the defective TOI

Does this solve the problem?

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

- Explanation

IN THE +AN1 CABINET:

If the value does not match that taken from the TAC Temperature menu, then the cause is likely a faulty Nacelle TOI (check other panel temperature alarms, as these will likely be affected as well).

Relevant spare parts	
Description	**Item No.**

TOI-II INTERF EXT POC	51701601

Check the temperature value in the TAC menu.


Water temp. after cooler 41 °C
Water temp. after cooler 2 ---- °C
Gear oil temp. after exchanger 47 °C
Gear oil temperature 49 °C
7 8 9 RESET START STOP
4 5 6
1 2 3
CLEAR 0 , -
PREV ENTER