Check the B57 Pt100, replace as needed

Does this solve the problem?

1] Yes

2] No

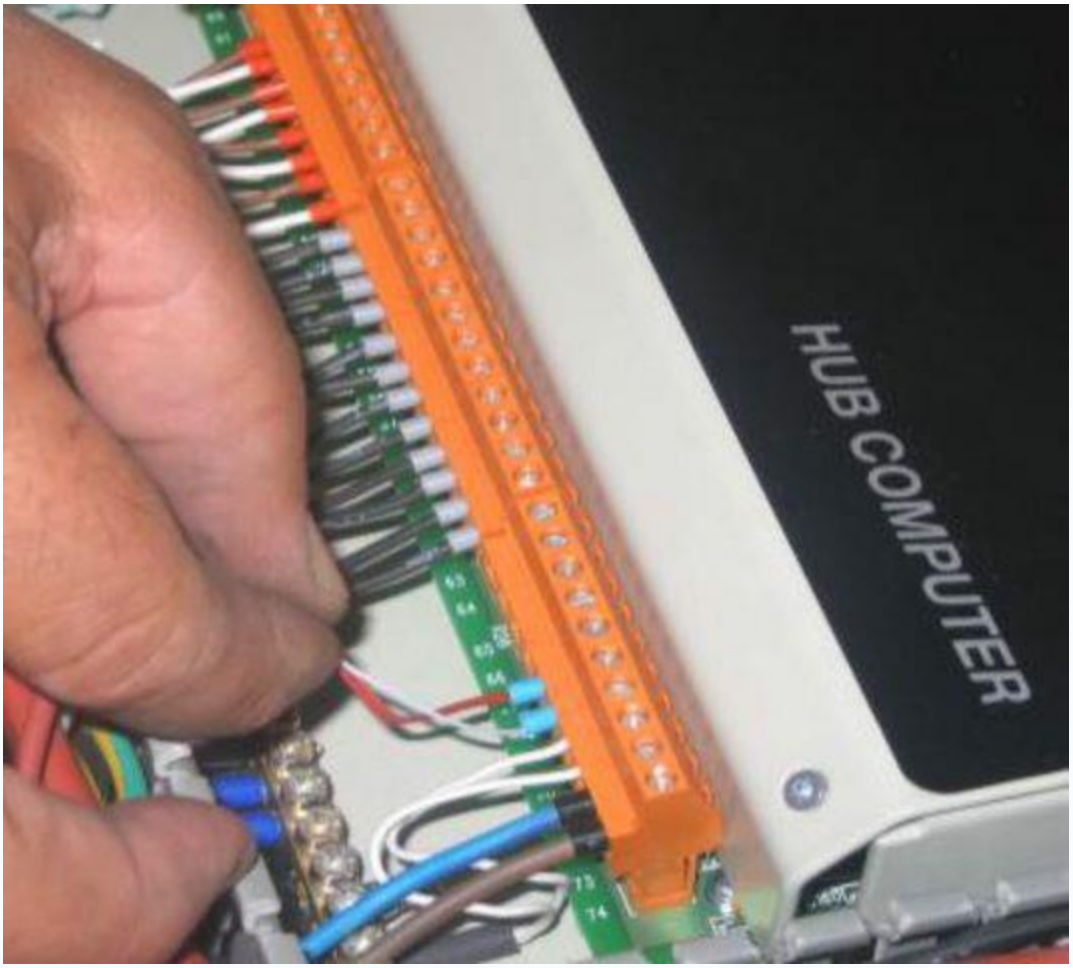
3] I don't know

- **Explanation**

This Alarm is referring to the *optional* Pt100 that is between the heat blankets and the outside surface of one of the accumulators on LT turbines. This alarm is only for a bad Pt100 signal, alarms 182 and 183 cover low and high temperature errors respectively.

To troubleshoot:

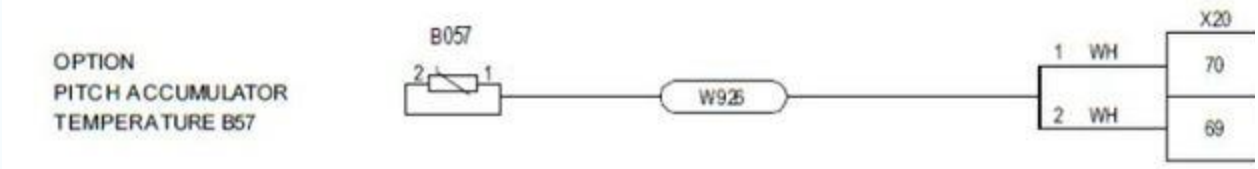
Disconnect the Pt100 from the terminal X20 on the Hub Computer and use your digital multimeter to check resistance. Use alligator clips to hold the wires so you don’t inadvertently complete the circuit with your body.



If you measure almost no resistance, check the circuit for a line to line short. A good Pt100 will measure about 92Ω at -20°C and 115Ω at 40°C. If the resistance is outside the span of 90 to 120 ohms, then that is probably a bad Pt100. Refer to Pt100 temp/resistance conversion table in Doc# 0039-6203.

If you measure OL or ‘infinite’ resistance, then you probably have break in the cable, in which case, you need to replace the cable.

If you measure the correct resistance for the current temperature, try shaking the cable to make sure you do not have an intermittent short or open. If you are certain that the Pt100 is functioning correctly replace the hub computer.



You can test the hub computer by replacing the B57 with a 100 Ohm resistor and check the accumulator temp on the service panel. It should read 0°C.

Spareparts:	
60009281	Pt100 180-4-7M (Pt100 w/o label)
60021530	Cable W926 (Pt100 with label)

Change the hub computer

Does this solve the problem?

1] Yes

2] No

3] I don't know

- **Explanation**

If the Pt100 functions properly and there are no hub communication issues that could possibly attribute to the alarm, then the Hub Computer is the last component to check.

Parts:

51701801 SIF HUB Computer EVOII