

Replace the defective pressure transmitter

Does this solve the problem?

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

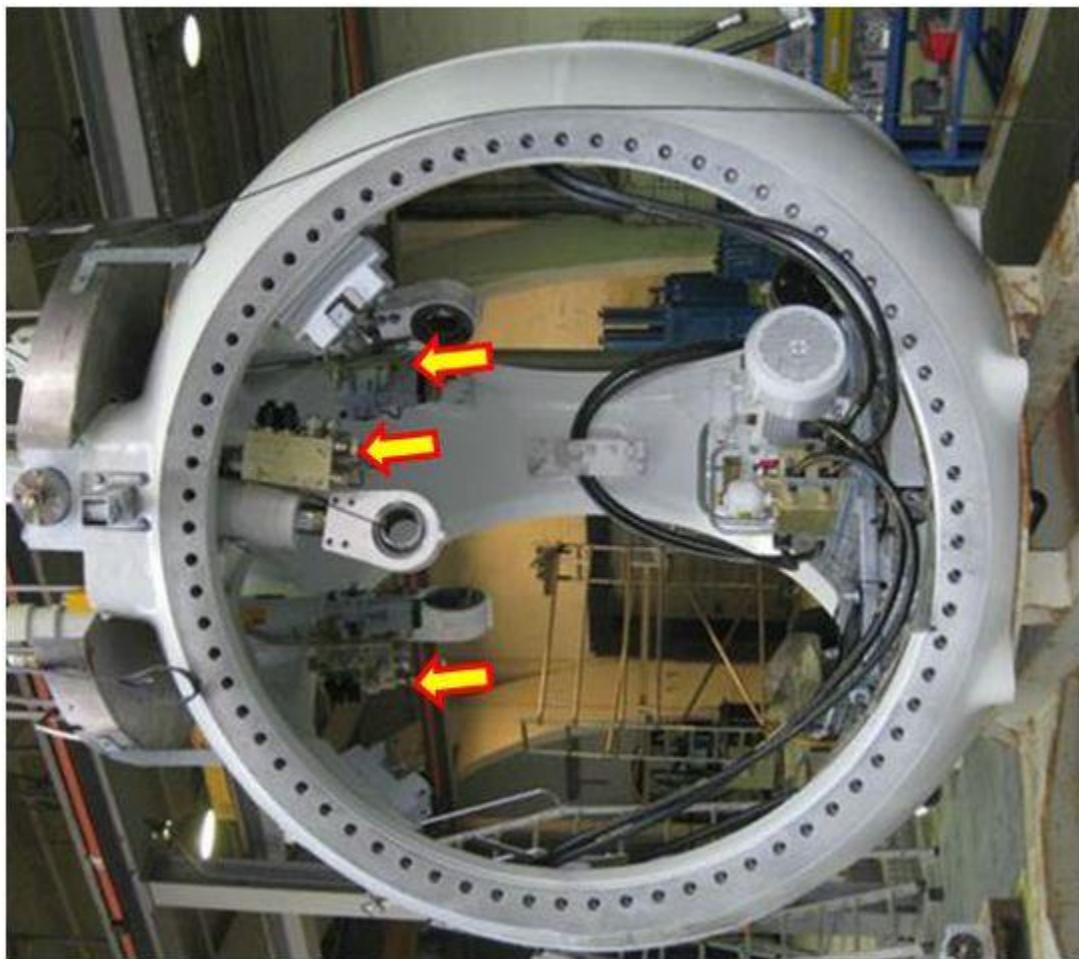
- **Explanation**
IN THE HUB:

Check the affected blade pressure transmitter cable connection.

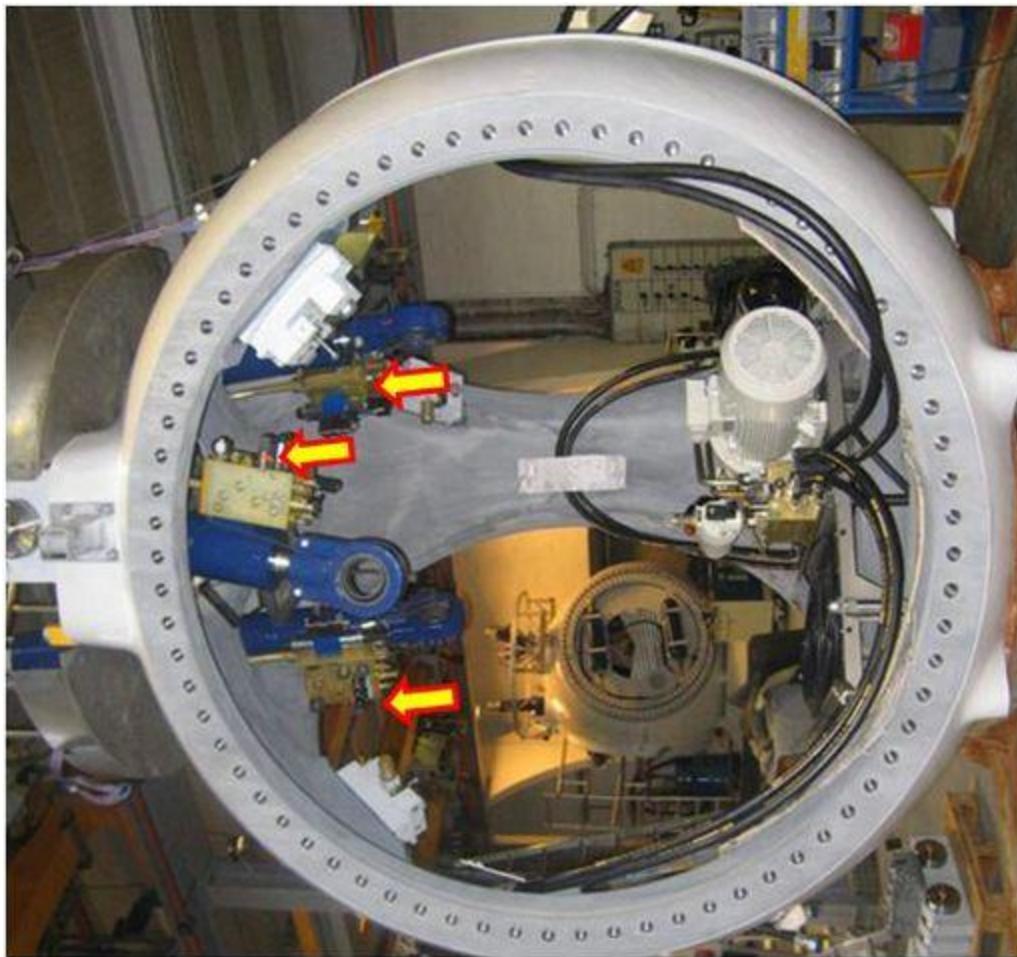
Check that the sensor is properly connected at the manifold and that it is not loose.



PARKER system pressure transmitter position:



REXROTH system pressure transmitter position:



If the pressure sensor is defective, replace with new.

Relevant spare parts	
PRESSURE TRANSDUCER MBS3000-36	60096497



Replace the defective pressure transmitter

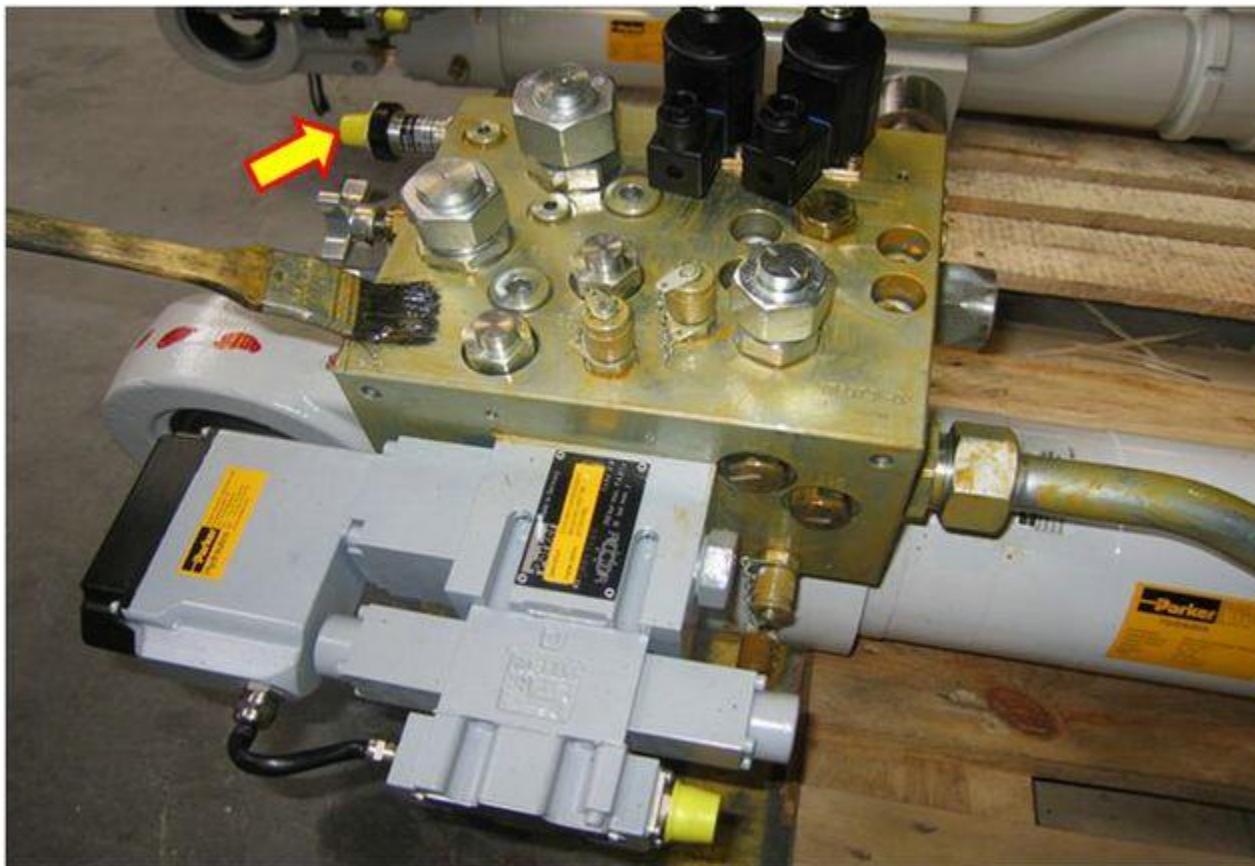
Does this solve the problem?

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- 3] I don't know

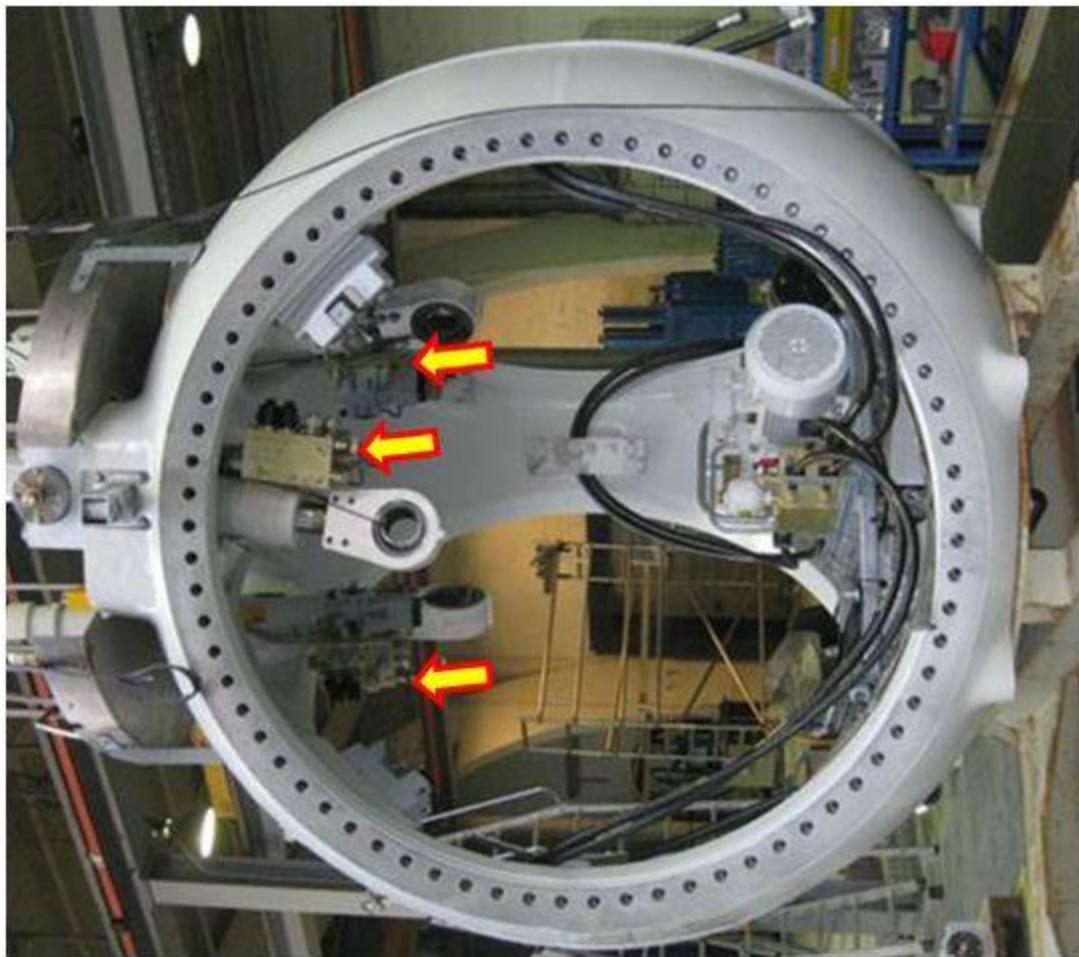
- **Explanation**
IN THE HUB:

Check the affected blade pressure transmitter cable connection.

Check that the sensor is properly connected at the manifold and that it is not loose.



PARKER system pressure transmitter position:



REXROTH system pressure transmitter position:



If the pressure sensor is defective, replace with new.

Relevant spare parts	
PRESSURE TRANSDUCER MBS3000-36	60096497



Replace the defective cable and check the connections

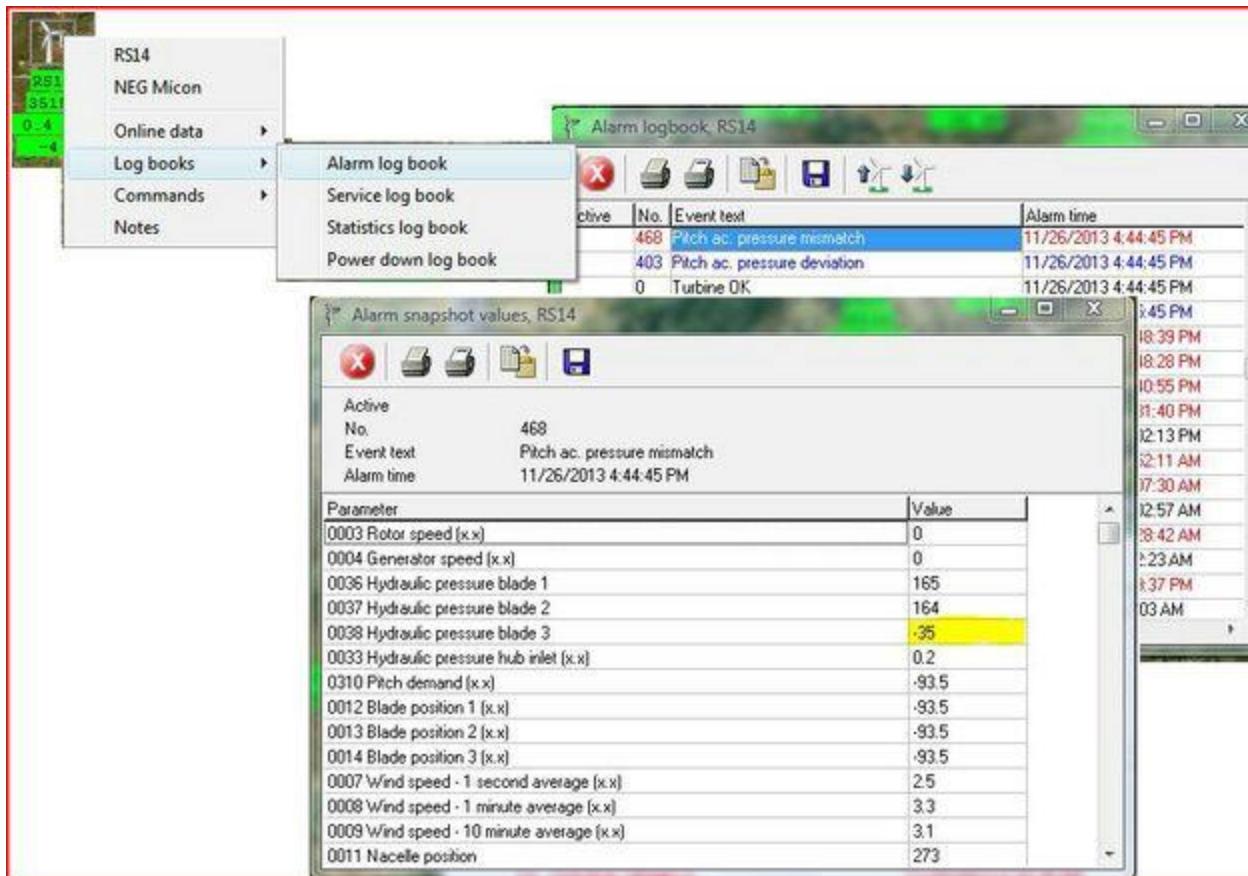
Does this solve the problem?

- [1\] Yes](#)
- [2\] No](#)
- [3\] I don't know](#)

• **Explanation**

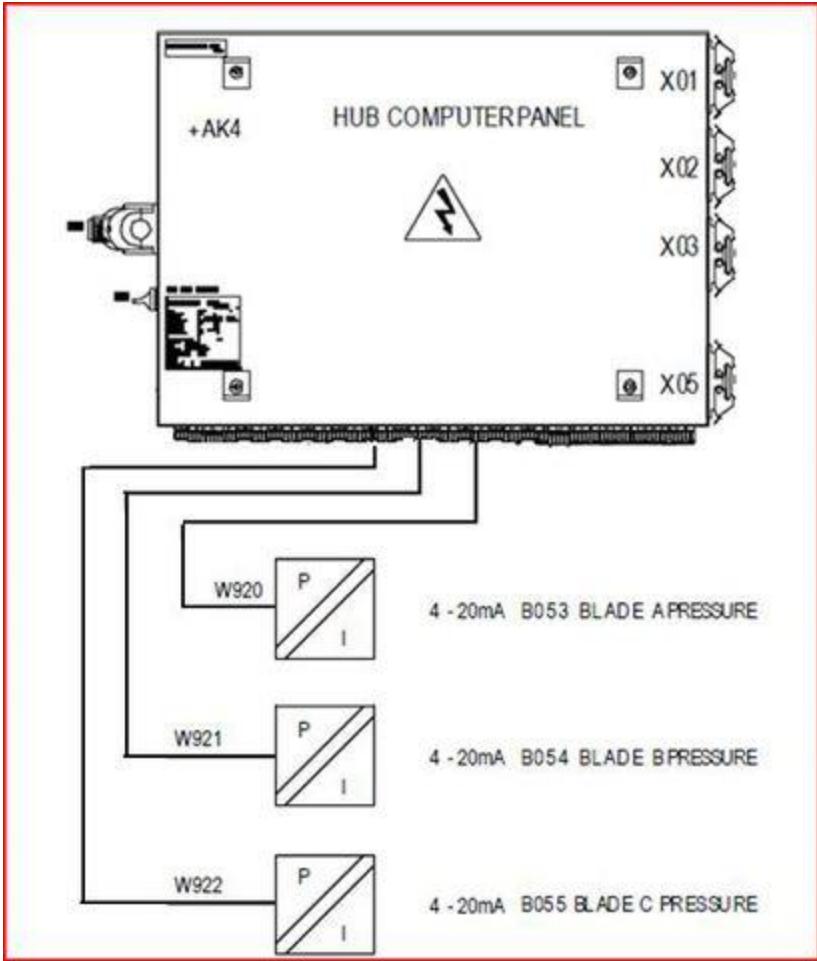
Check the Alarm snapshot to identify the affected blade.

Through the TAC computer, double click the alarm it will show the snapshot values.



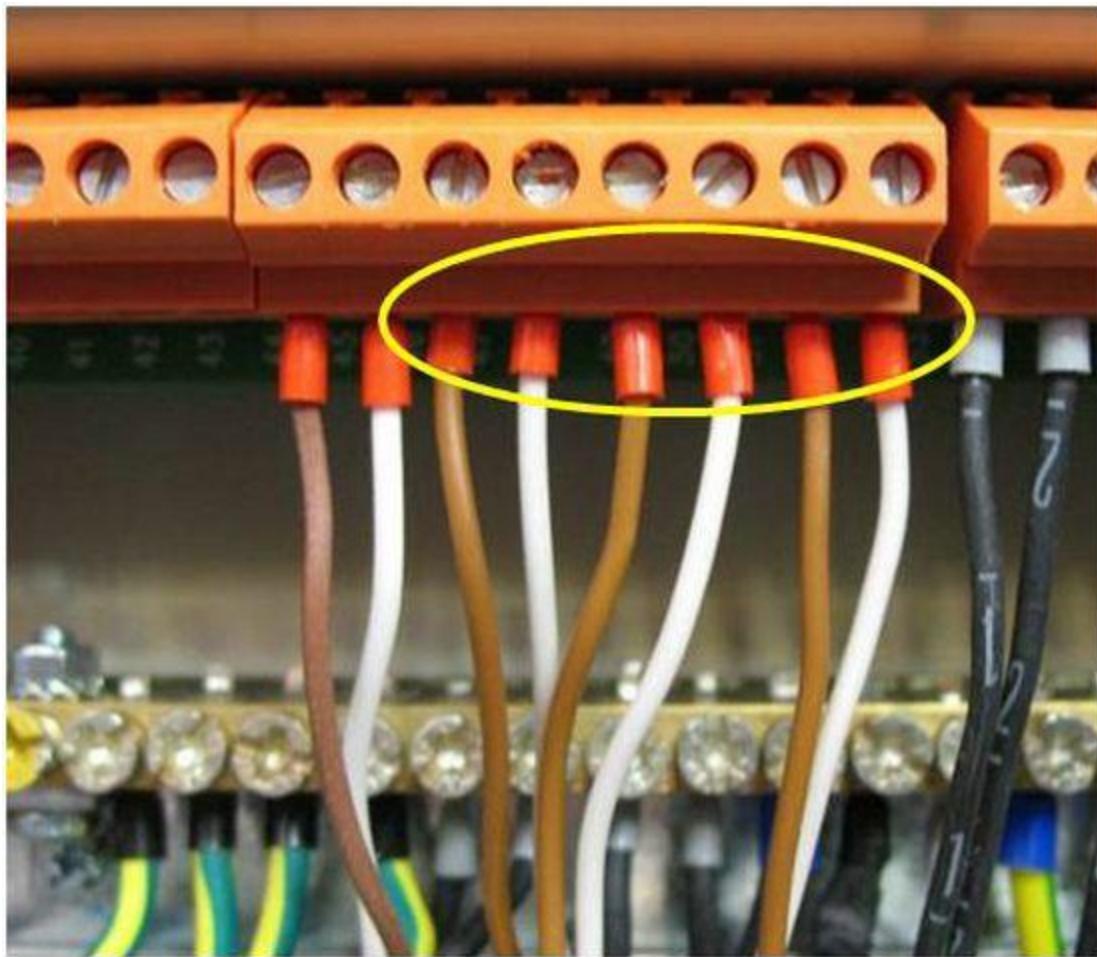
IN THE HUB:

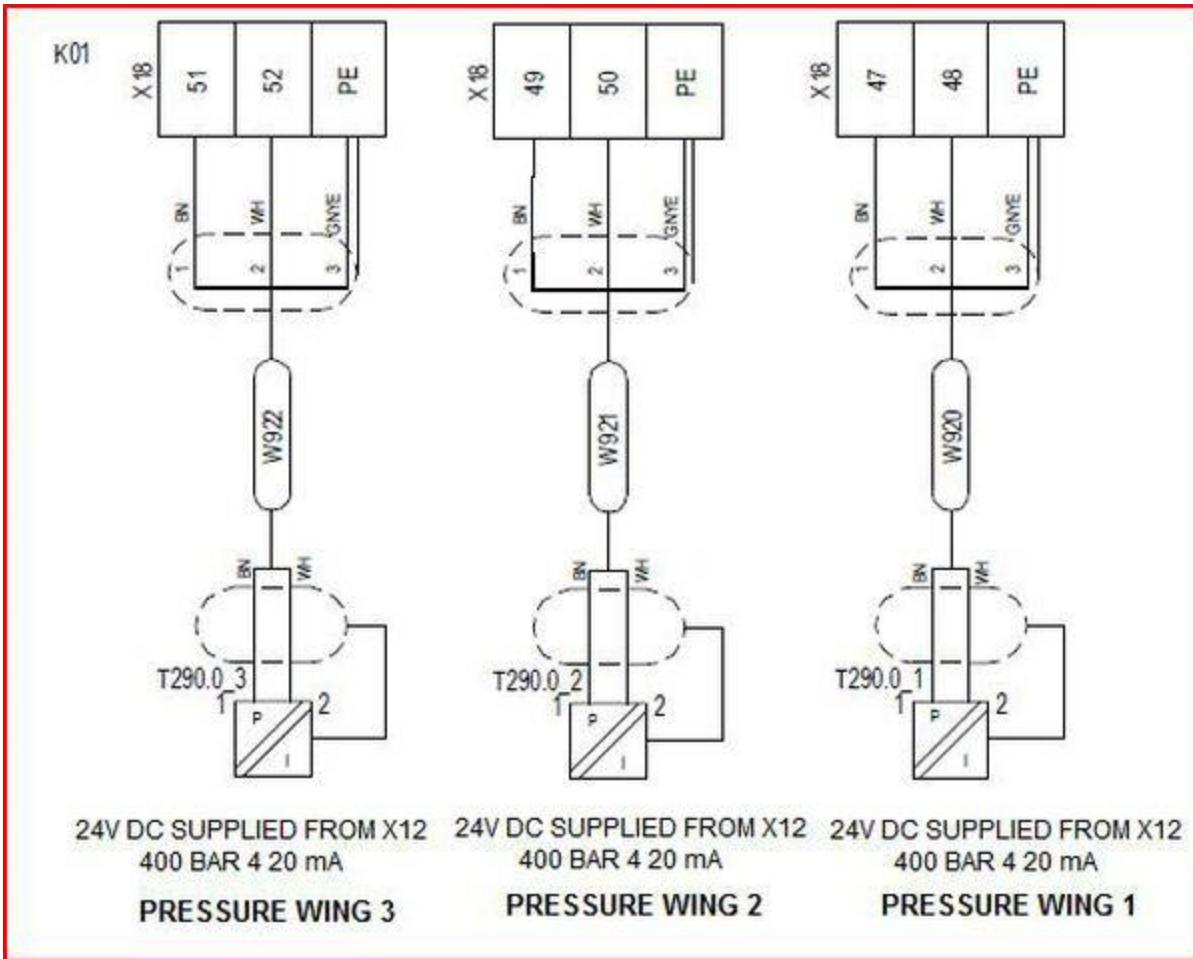
Pitch accumulator pressure transmitter connections in the AK4 hub computer:



Check the hub computer terminal numbers 47, 48, 49, 50, 51, 52 for damage or loose connections.

Check the cable for any wear or cracks and verify continuity.





If the pressure transmitter cable is found to be defective, replace with new.

Relevant spare parts	
Cable W 920-T290-1 pressure transducer W	60021524
Cable W 921-T290-2 pressure transducer W	60021525
Cable W 922-T290-3 pressure transducer W	60021526

Other cable problems also lead to this alarm, so check below cables too.

Check that all of the hub computer connection plugs are properly seated.

Check the solenoid valve connections from the hub computer.

Check hydraulic valve cables for any damage.

Check for any loose connections in the hub system or any 24V DC short in Hub

Examples of defect cable:





30/03/2015 21:16

Replace the defective Hub Computer

Does this solve the problem?

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

- **Explanation**
IN THE HUB:

If after checking all related cables and sensors the fault persists, there is likely a faulty hub computer that has caused this alarm.

If the Hub computer is found to be defective, replace it with new.

Relevant spare parts	
SIF HUB COMPUTER CABINET EVOII	51701801



Relevant CIM case		
CIM case	Task list	SWI
1594		

Check for surge protector upgrade in the powernet as per Document: 0013-3681 or 0033-3872

Relevant documentation	
Description	DMS No.
Test Proj_Adnl Elec Prot_V82	0013-3681
Add_Elec_Protec_V82	0033-3872
Commissioning instructionV82 -1.65-Mk4	0000-9925
Blade Pitch System Test	0002-0467

After replacement of Hub computer perform the pitch calibration:

Original calibration may be altered during any components replacement e.g. position sensors (Balluf), cables, proportional valves and hub computer.

DMS: 0000-9925 section 5.10.9 Blade Position Calibration during manual pitching in the Nacelle Mode.

Also refer to Blade Pitch System Test **DMS: 0002-0467**

Check and Replace the Defective Power Supply unit

Does this solve the problem?

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

- **Explanation**

Check for loose connections in the power supply units (Pos: G400 & G401)

Check input and output voltage 230VAC/24VDC

If defective, replace the power supply unit.

Check for the surge protector upgrade in Power Net as per Doc **0013-3681** or **0033-3872**.

Relevant documentation	
Description	DMS No.
0013-3681_Test Proj_Adnl Elec Prot_V82	<u>0013-3681</u>
Add_Elec_Protec_V82	<u>0033-3872</u>

Relevant spare parts	
Description	Item No.
PS ADC 5483R-3 10A-27,4 NM PIN	<u>188453</u>