Replace the defect pitch position sensor

Does this solve the problem?

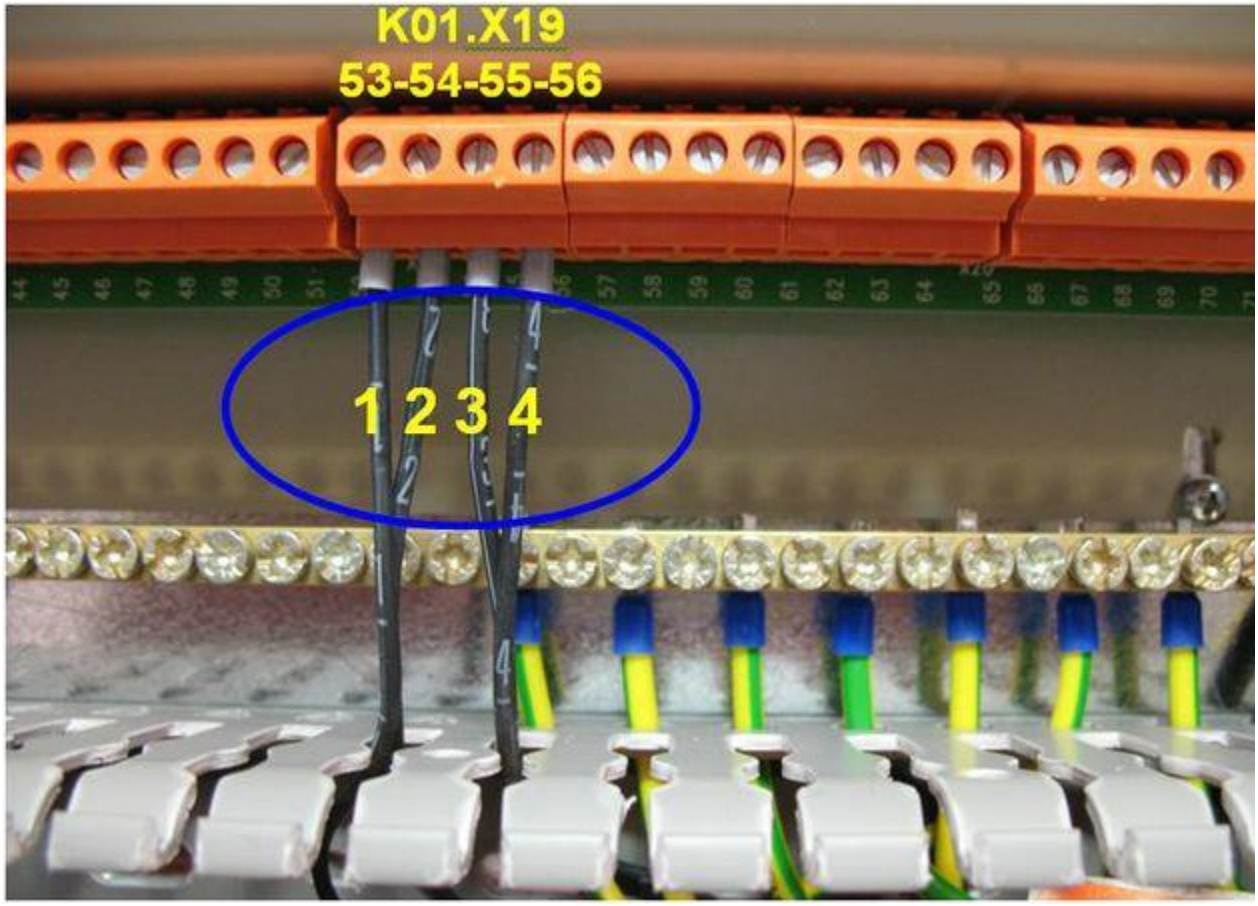
1] Yes

2] No

3] I don't know

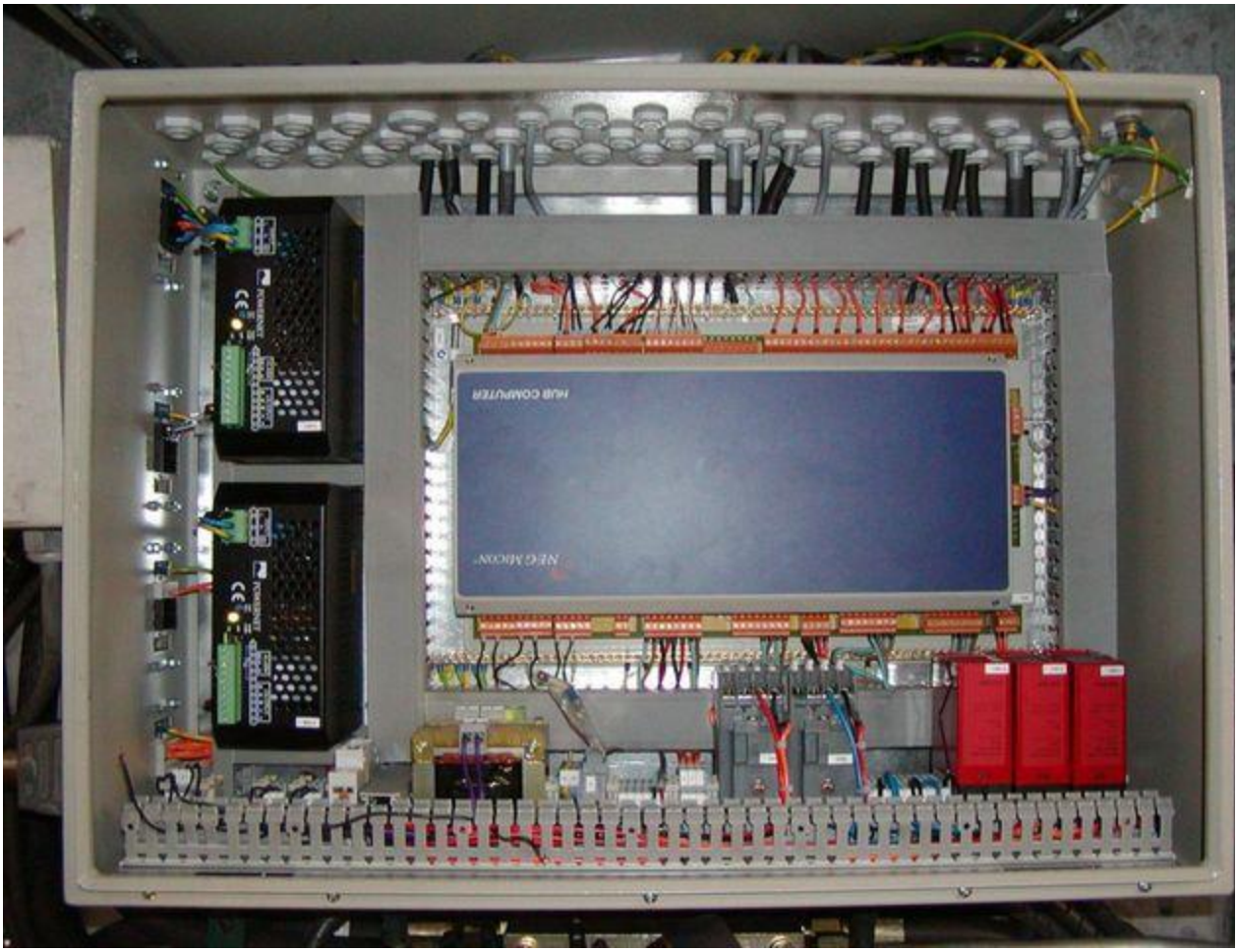
- **Explanation**
  IN THE HUB PANEL +AK4:

  Check if any loose connection in the hub computer terminal X19

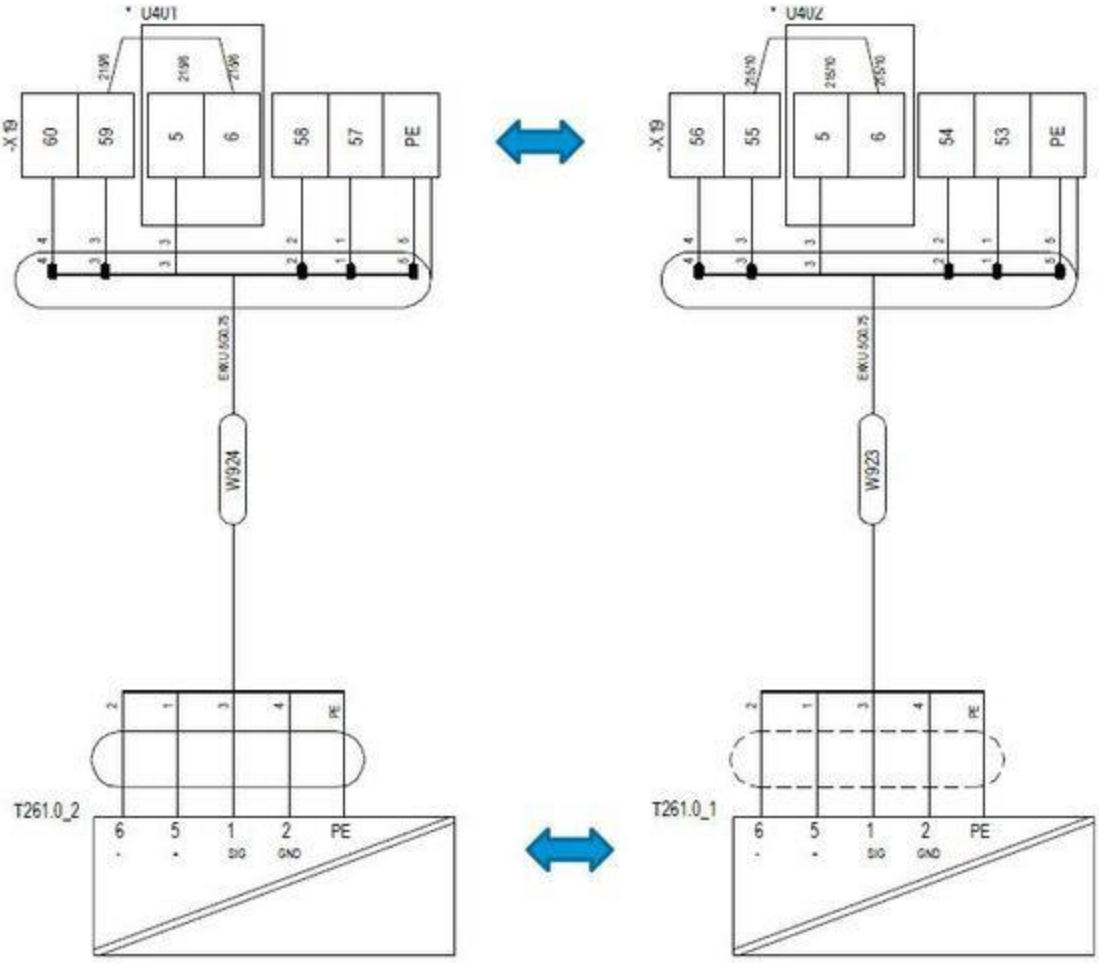


Check if any loose connection for Blade A position sensor.

Swap the signal wire to the position transducer (Balluff) on the hub computer. If the fault follows to the new blade then the fault is either in the position transducer or one of the cables.



In the example below, we are swapping the plugs between blades B and A.



Place the cables back to their original position and then swap pitch position sensor from affected blade to another working blade.

If the alarm follows the component to the other blade, the pitch position sensor is defective.

If it does not, the pitch position sensor is likely not the cause.

Pitch position sensor Item number :

60098816 - TRANSDUCER BTL5-E10-M0950-A-S

Service Module Item Number :

60102394 - SERVICEMODUL, BTL5 - E10

Pitch position sensor cable Item Number:

60101018	Cable W 923	Pos.transducer1 Std
60101148	Cable W 924	Pos.transducer 2 Std
60101149	Cable W 925	Pos.transducer 3 Std

Perform blade position calibration as per the WKI

Does this solve the problem?

1] Yes

2] No

3] I don't know

- **Explanation**
  IN THE Nacelle:

  Perform the blade calibration. Original calibration may be altered after component replacement. Like 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 Blade Pitch System Test DMS :0002-0467

Replace the defective power net

Does this solve the problem?

1] Yes

2] No

3] I don't know

- **Explanation**
  IN THE HUB:

Check for loose connections in the powernet (Pos: G401)

Check input and output voltage 230VAC/24VDC

If defective, replace the power net.

Part number for power net:

188453 PS ADC 5483R-3 10A-27,4 NM PIN

Replace the defect Hub Computer

Does this solve the problem?

1] Yes

2] No

3] I don't know

- **Explanation**

IN THE HUB:

If after the blade calibration, there continue to be any pitch angle deviations, or the angle values show constant when pitching the blades, the hub computer may be defective.

Hub Computer Part Number: 51701801