Replace the defect direction Guard

Does this solve the problem?

1] Yes

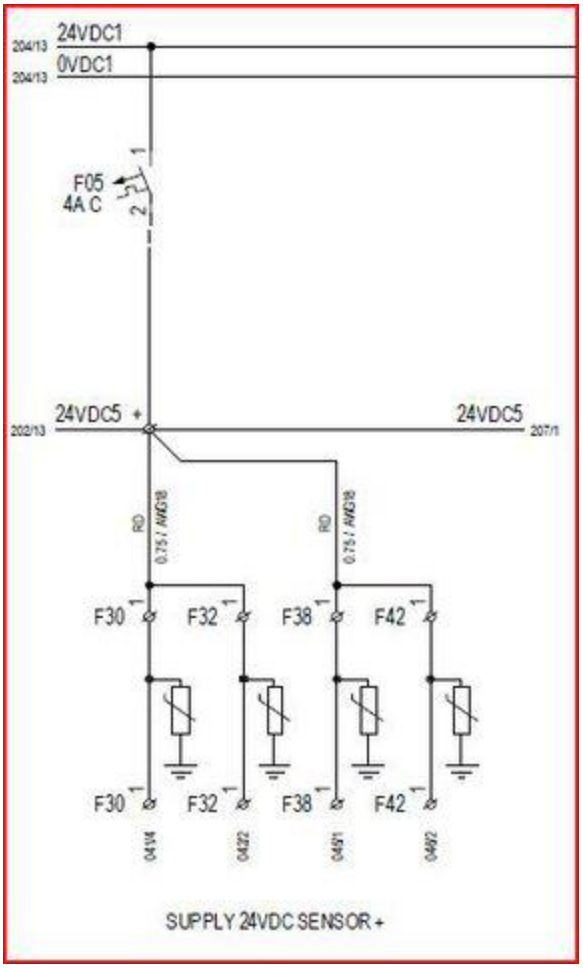
2] No

3] I don't know

- **Explanation**
  IN THE +AN1 CABINET:

If neither sensors light up, the cause could be an issue with the sensor supply via the TAC85 overspeed guard module (The TAC 85 rotor overspeed and direction guard shares 24VDC supply with other sensors (VDC5).

If other sensor faults are present, check the 24VDC5 circuit including power supplies G05 & G06 in the AN1 and F05 circuit breaker in the +AN1.



Part Number for TAC85 :

51700402 -TAC 85-1 DIRECTION GUARD VWS

Ensure the Settings for TAC 85 Over speed guard

DMS: **17000069**

Part Number for Powernet:

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

Replace the defect sensor

Does this solve the problem?

1] Yes

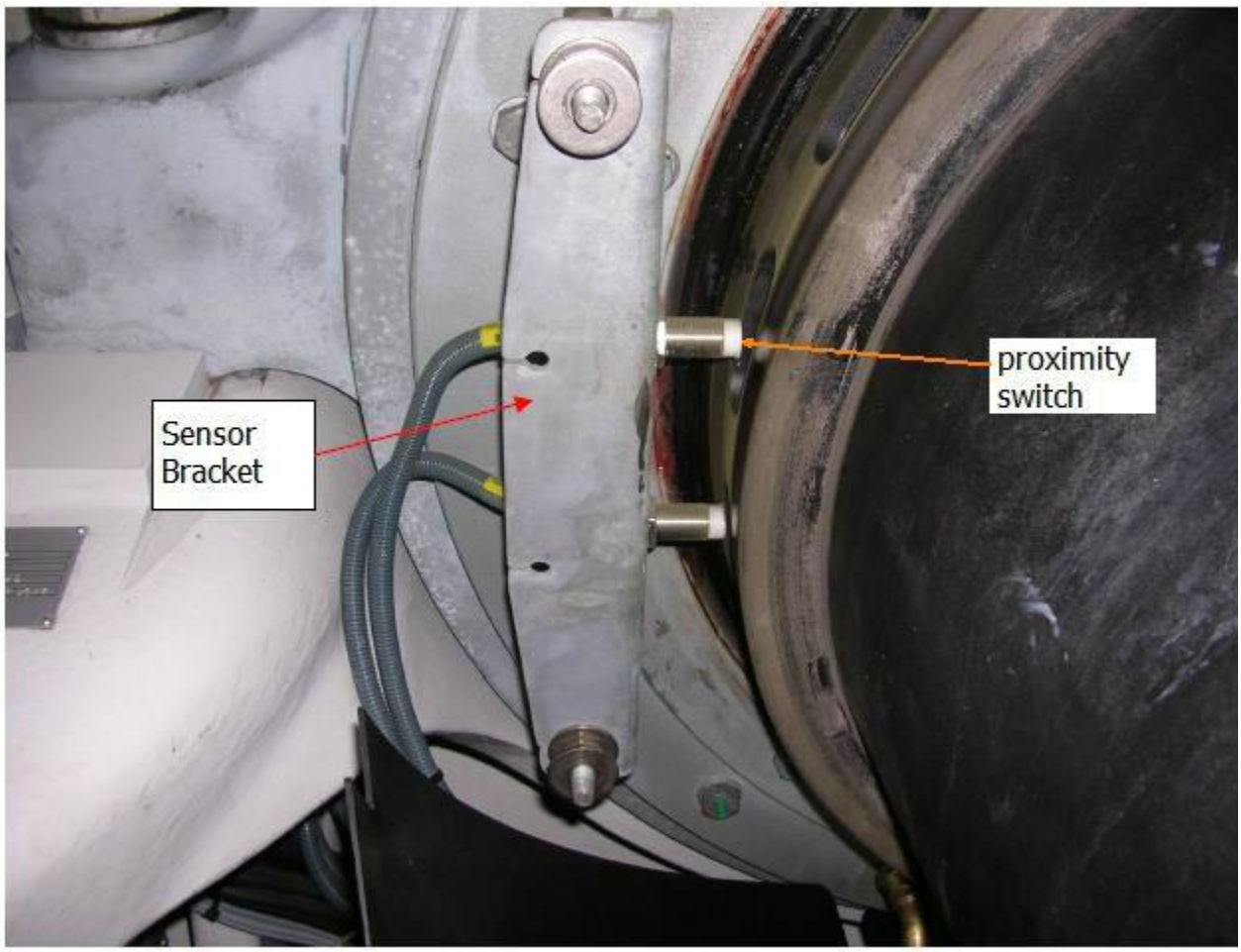
2] No

3] I don't know

- **Explanation**

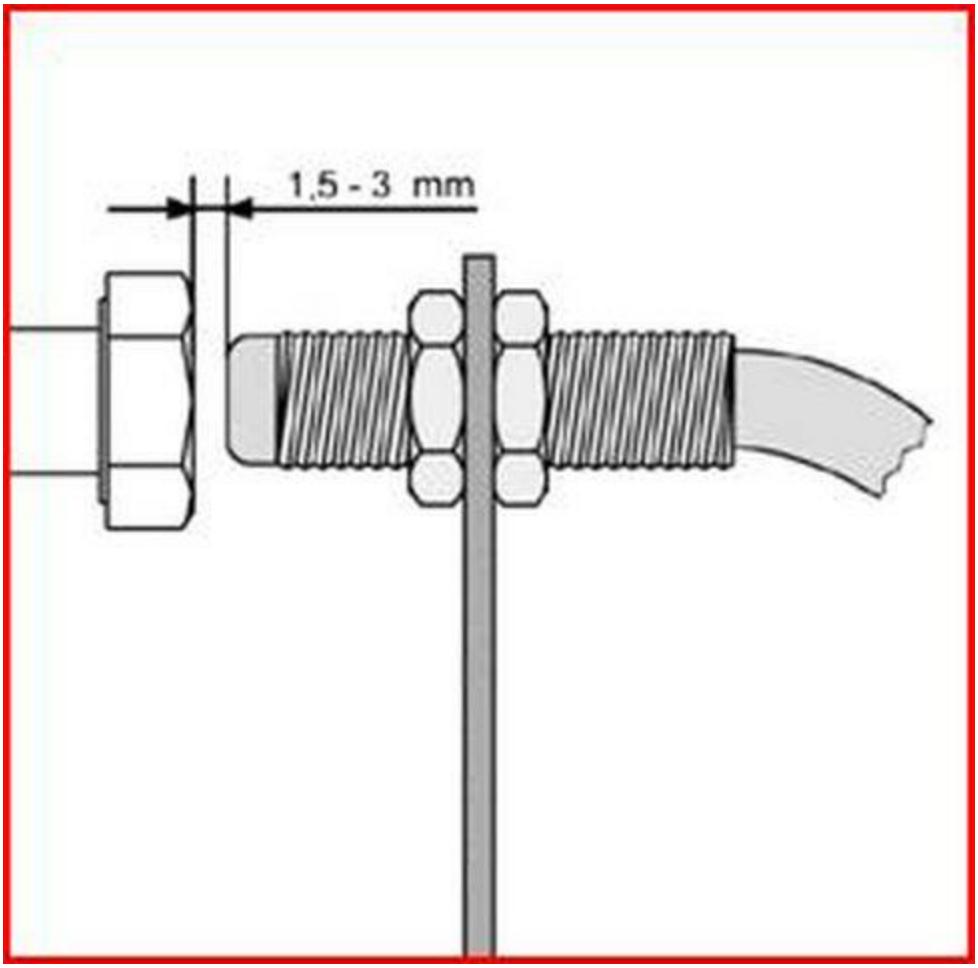
IN THE NACELLE:

Remove the outer FRP cover from the main bearing housing.



Check that the sensors are secure in the mounting bracket and are adjusted correctly,

Adjust the distance between the Inductive sensor and the scanning points as per Instalation & Service Data DMS : 5003033



Using a screwdriver, pass the metal portion past the inductive sensors. The sensors should light up at the moment the screwdriver is passed over them.

If they do not, ensure that the sensors are free of dirt and oil/grease. Retry passing the screwdriver over the sensors at varying distances.

If only one of the sensors emits a light, the other is likely faulty or has a faulty cable.

Unshield Sensor part number:

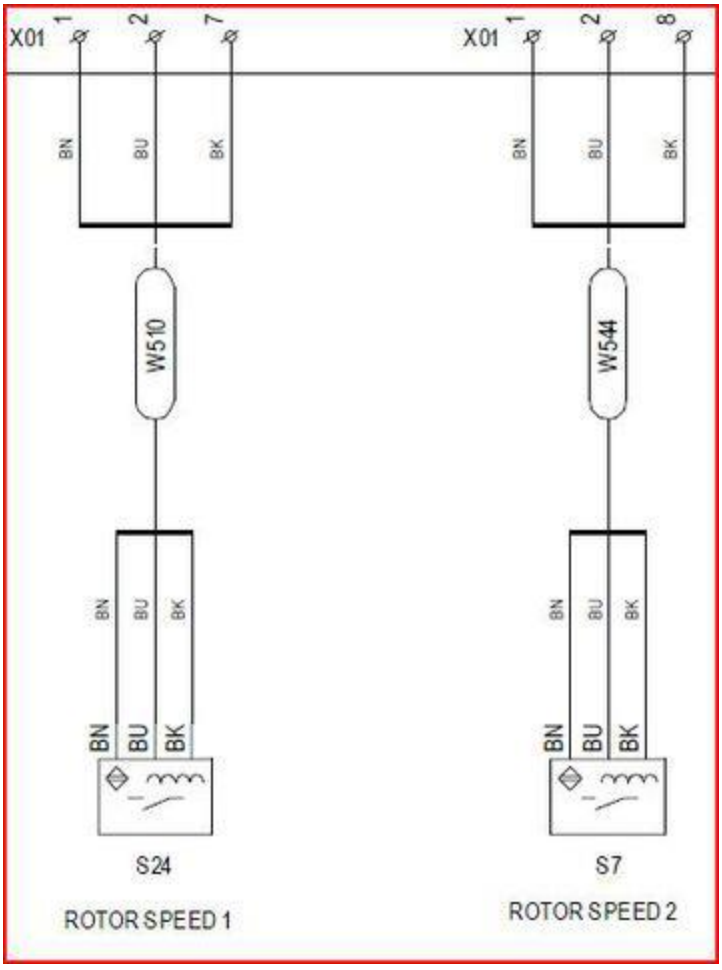
60009270 - PROXI SWITCH I1808PPOS1531 Ø18

Shield Sensor part numbers:

60009264	PROXI 1A18DLF05PO Ø18
60009263	PROXI S 1A18DLF05PO Ø18

IN THE +AN11 CABINET:

Check the sensor wiring connections


X01
1
2
7
X01
1
2
8
BN
BU
BK
BN
BU
BK
W510
W544
BN
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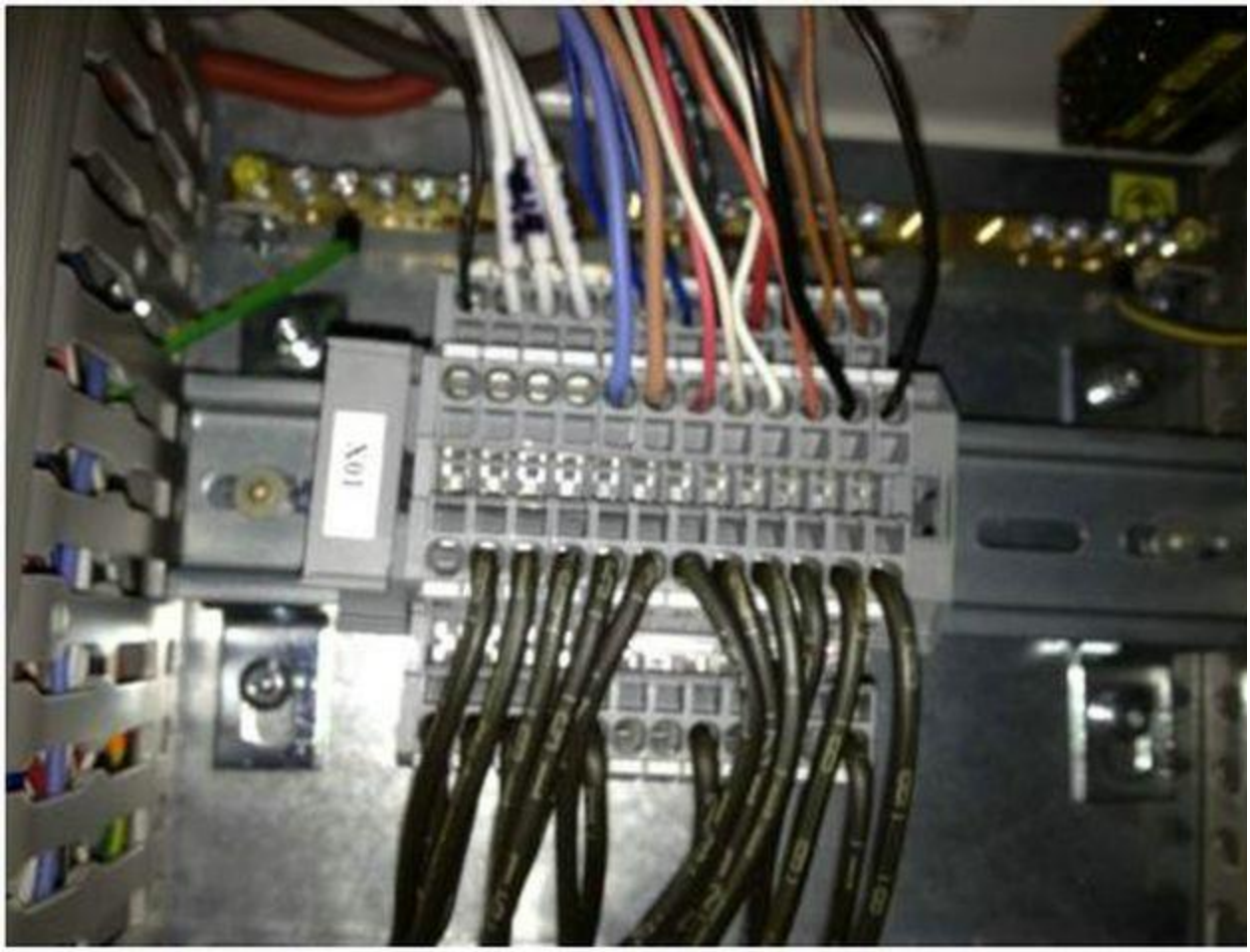
S24
S7
ROTOR SPEED 1
ROTOR SPEED 2



Perform the 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 a blade calibration. Original calibration may be altered during any components replacement for example, 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 the balance of blades

Does this solve the problem?

1] Yes

2] No

3] I don't know

- **Explanation**
  IN THE Blade:

Check the blades damper any leak.

AL Blades CIM case: 852

LM Blades CIM case: 3084, 2595

Ballast and damper tanks inspection and testing

DMS : 1001777

Check any mass unbalance with blades

LM Blades CIM case : 2204

Re-ballasting Blades **DMS : 1001772**