

Replace the defect sensor

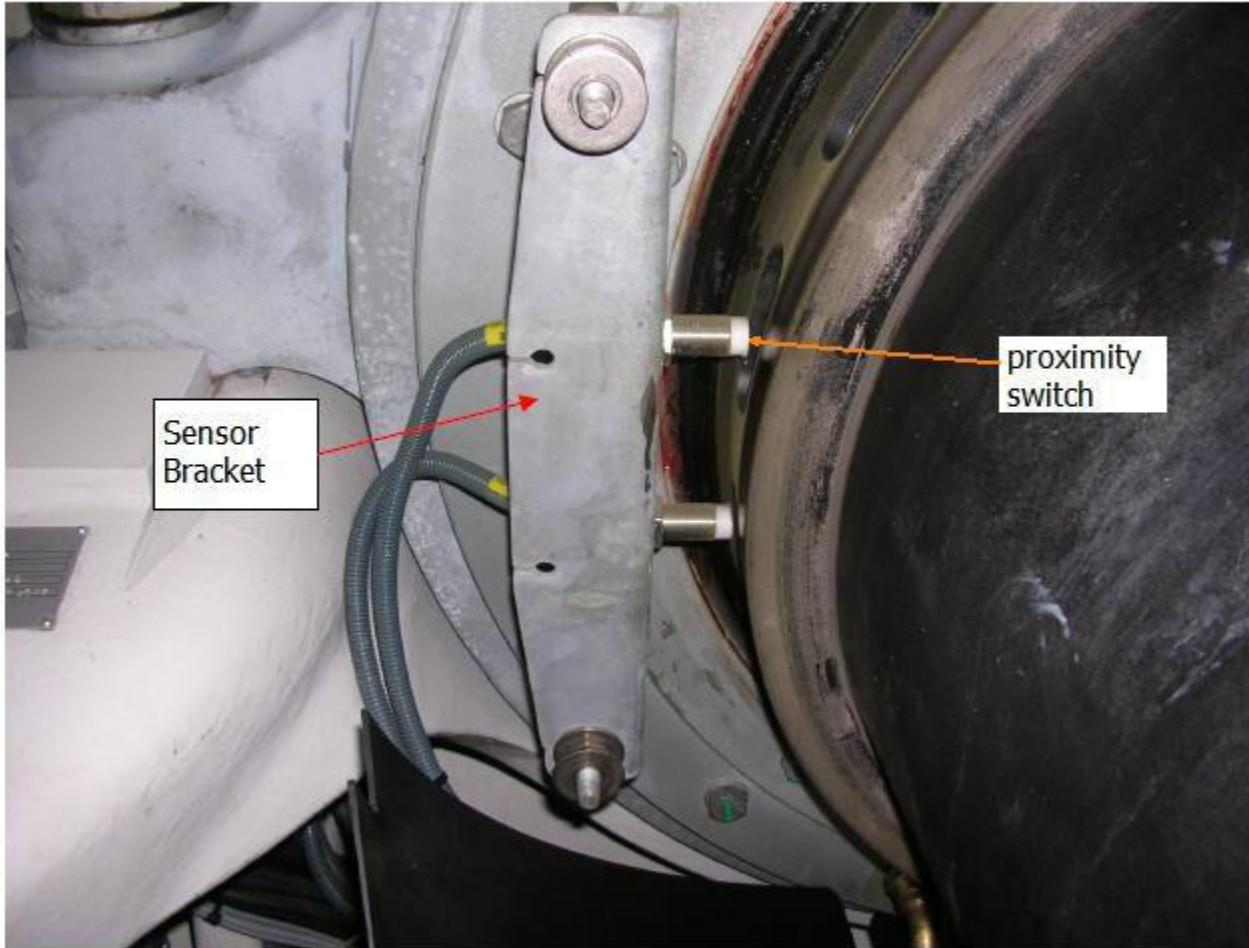
Does this solve the problem?

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

- **Explanation**

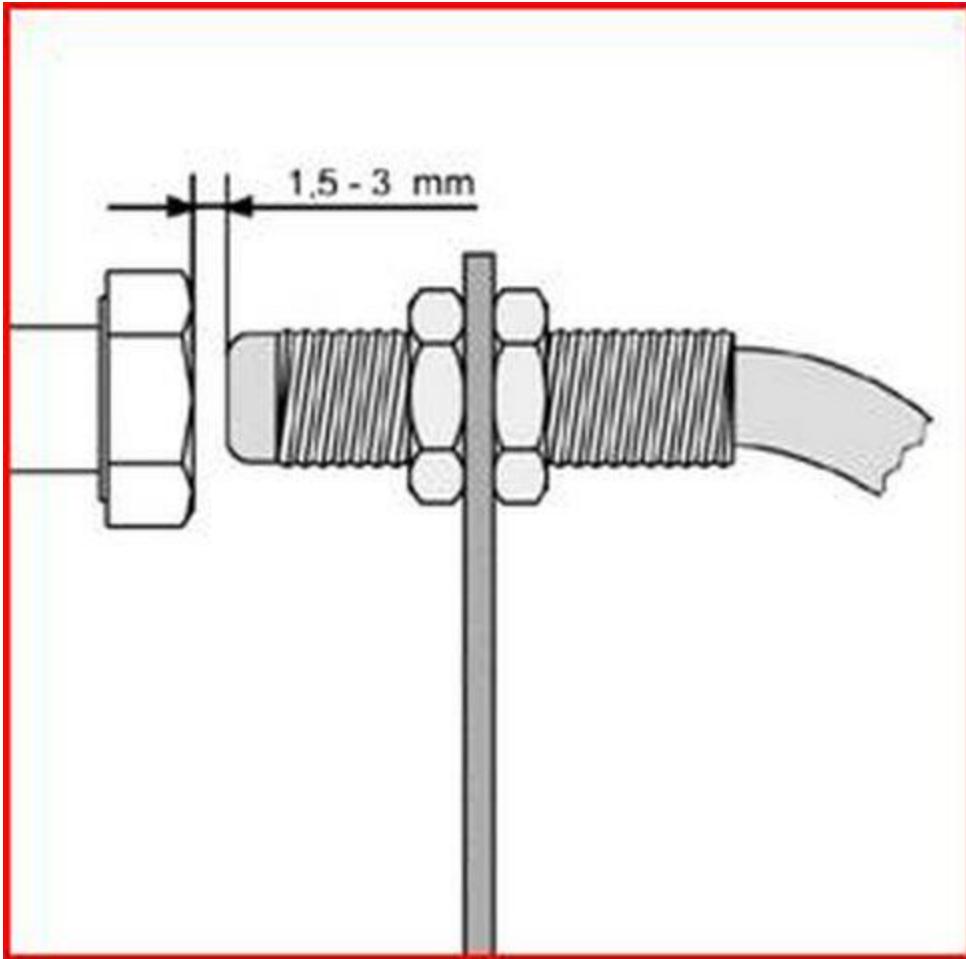
IN THE NACELLE:

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 Installation & 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



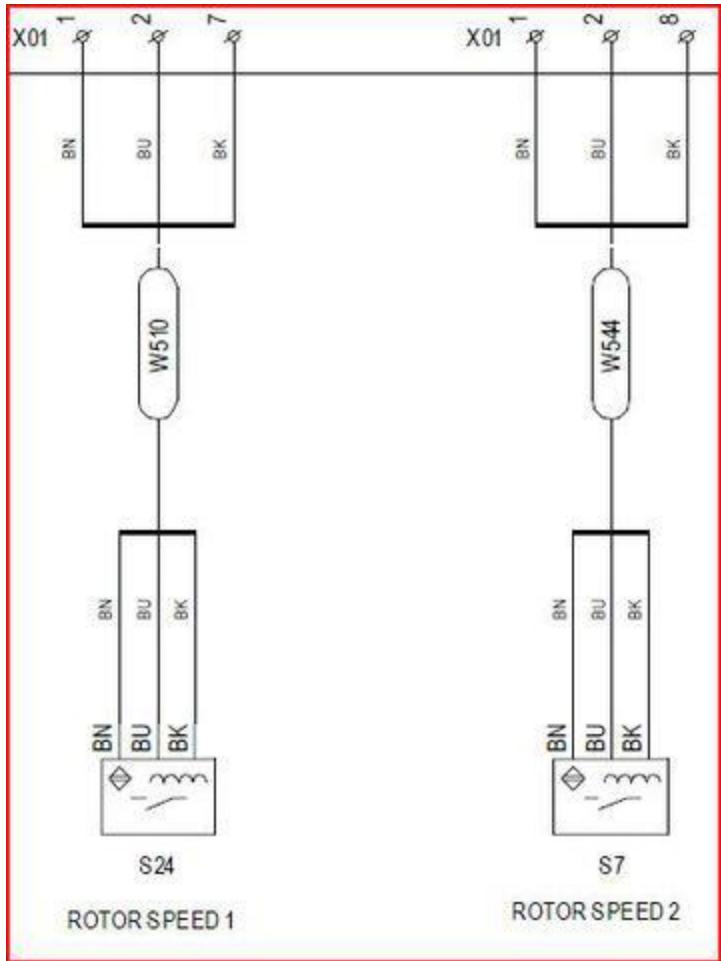
Shield Sensor part numbers:

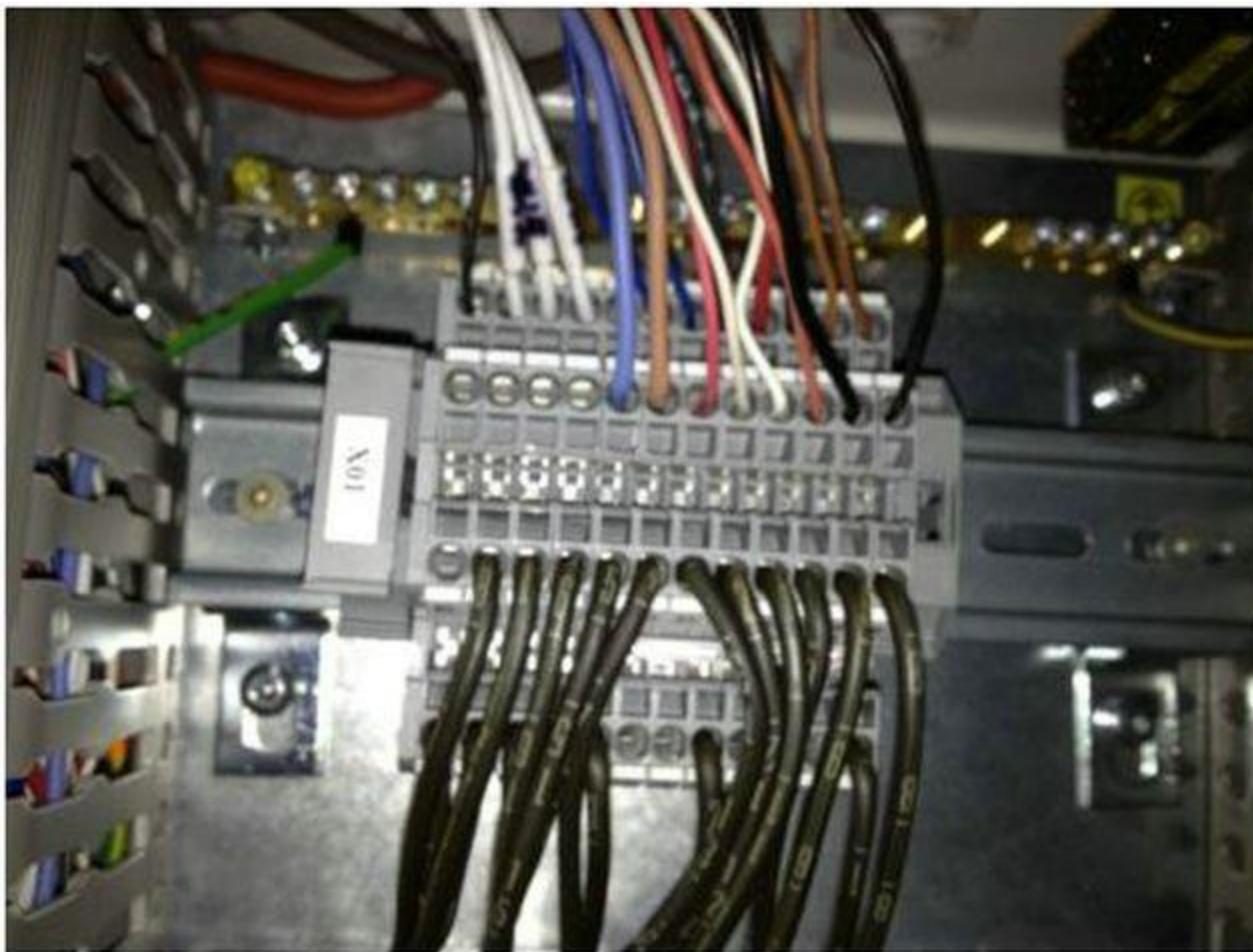
60009264 PROXI 1A18DLF05PO Ø18
60009263 PROXI S 1A18DLF05PO Ø18



IN THE +AN11 CABINET:

Check the sensor wiring connections





IN THE GENERATOR:

Check the Generator RPM sensor if any physical damage or dirt,

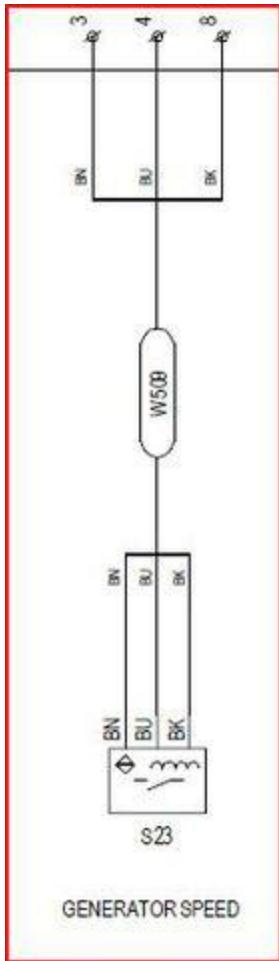
Sensor part number:

60009270 - PROXI SWITCH I1808PPOS1531 Ø18



Adjust the distance between the Inductive sensor and the scanning points as per Instalation and service data DMS
[: 5003033](#)

If defect replace the new sensor



Replace the defect direction Guard

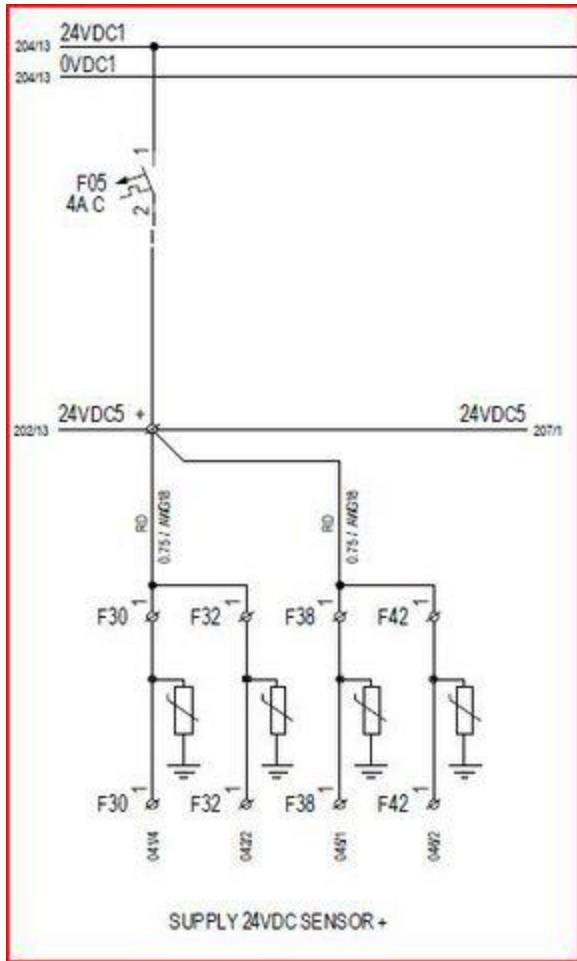
Does this solve the problem?

- 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

CIM case: [1390](#)

Replace the Defect TAC-II or Defect TOI

Does this solve the problem?

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

• **Explanation**

IN THE NACELLE:

Check wiring connection and controller If found TAC II or Nacelle TOI failure replace with new one.

Remember to download and restore stored data as per procedure when replacing the TAC-II and Check for software version in new TAC-II computer.

Part Number for TAC-II

51707301 TAC-II/F NEGM NM1500C/72/82

Part Number for Nacelle TOI:

51701601 TOI-II INTERF EXT POC