

Check the circuit for any loose/ bad connection

Does this solve the problem?

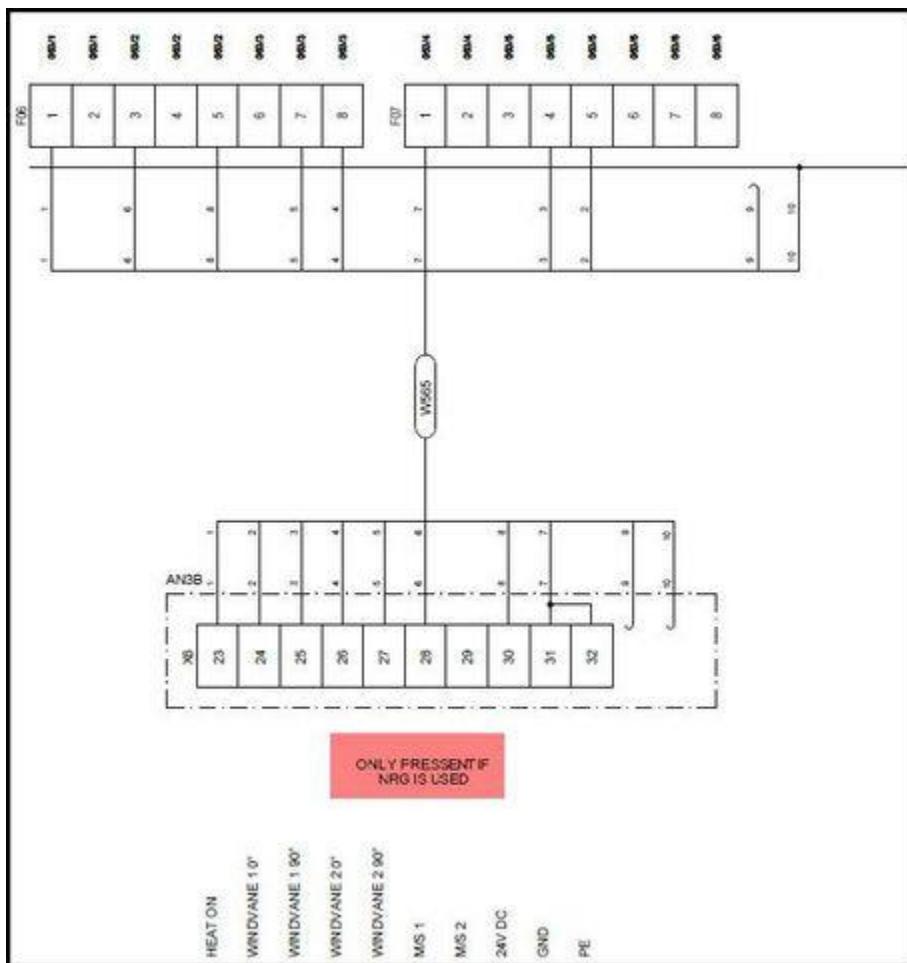
1] Yes

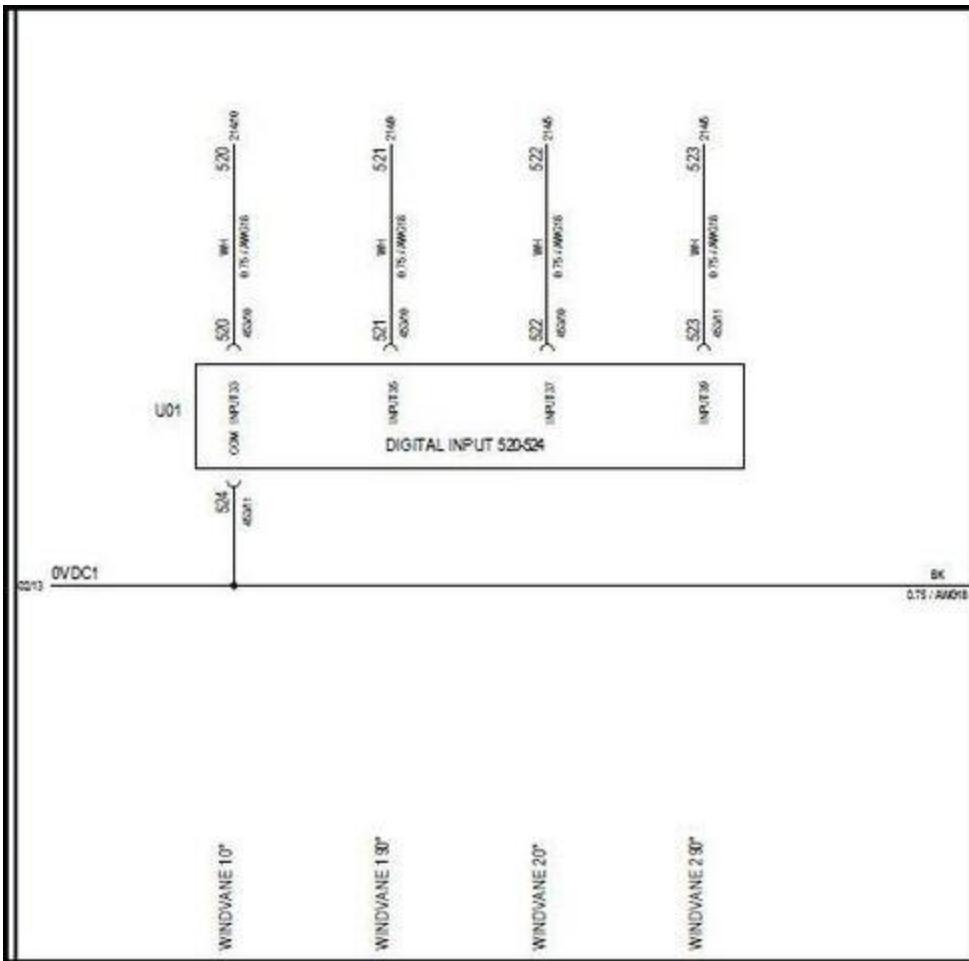
2] No

3] I don't know

- **Explanation**
AT NACELLE

Check LED signals at TOI. If the signal is not toggling while wind vane rotates, Check the entire circuit from Wind vane to junction box connectors, varistor connection and TOI.





Inspect the wind vane and replace as needed

Does this solve the problem?

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

• **Explanation**

If the wind vane no longer spins resistance free, it needs to be serviced or replaced.

The cartridge bearing in the wind vane can be replaced with another of the same size, if your service site has access to replacement bearings (purchased outside Vestas supply chain).

After replacing or repairing the wind vane, align the wind vane according to the correct work instruction.

Relevant documentation	
Description	DMS No.
Alignment of Carlo Gavazzi wind vanes	1001337
Alignment of NRG wind vanes	1001339

Relevant spare parts	
Description	Item No.
WINDVANE NRG 2 ICEFREE, ARCTIC	60009349/60009349REN
WVA HEATED DWS-D-DAC-13	60092777/60092777REN
NRG INTERFACE 2VF+2VH	51705201

Return defective sensors as 60009349DEF and 600992777DEF as these will be repaired and entered into the supply chain.

Replace the defective varistor

Does this solve the problem?

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

- **Explanation**
AT NACELLE

Check the LED Wind vane signal at TOI.

Check the input and output at varistor, If there is input and no output than change the varistor



Relevant spare parts

Description	Item No.
VARISTOR BOX X8 (Discontinue)	<u>60015847</u>
VARISTOR BOX X8 (New)	<u>51706201</u>
Mounted PCB VARISTOR BOX X8	<u>60015268</u>

Replace the defective TOI-II

Does this solve the problem?

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

- **Explanation**
AT NACELLE

Check the LED Wind vane signal at TOI. Check the input at TOI terminal if there is voltage and LED not glow TOI input channel might be faulty so it has to be replaced.



Relevant spare parts	
Description	Item No.
TOI-II INTERF EXT POC	51701601