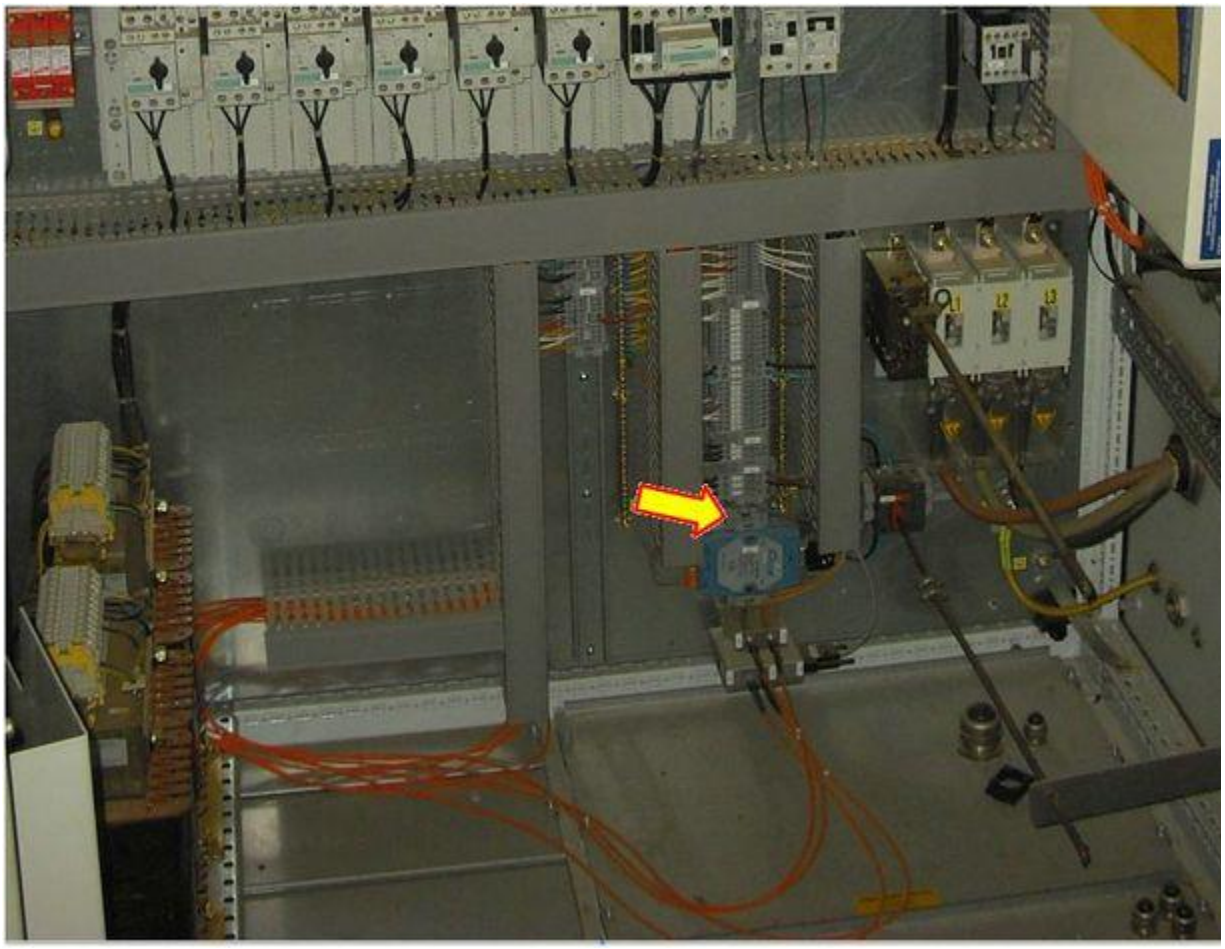
Replace the defective converter
Does this solve the problem?
1] Yes
2] No
3] I don't know

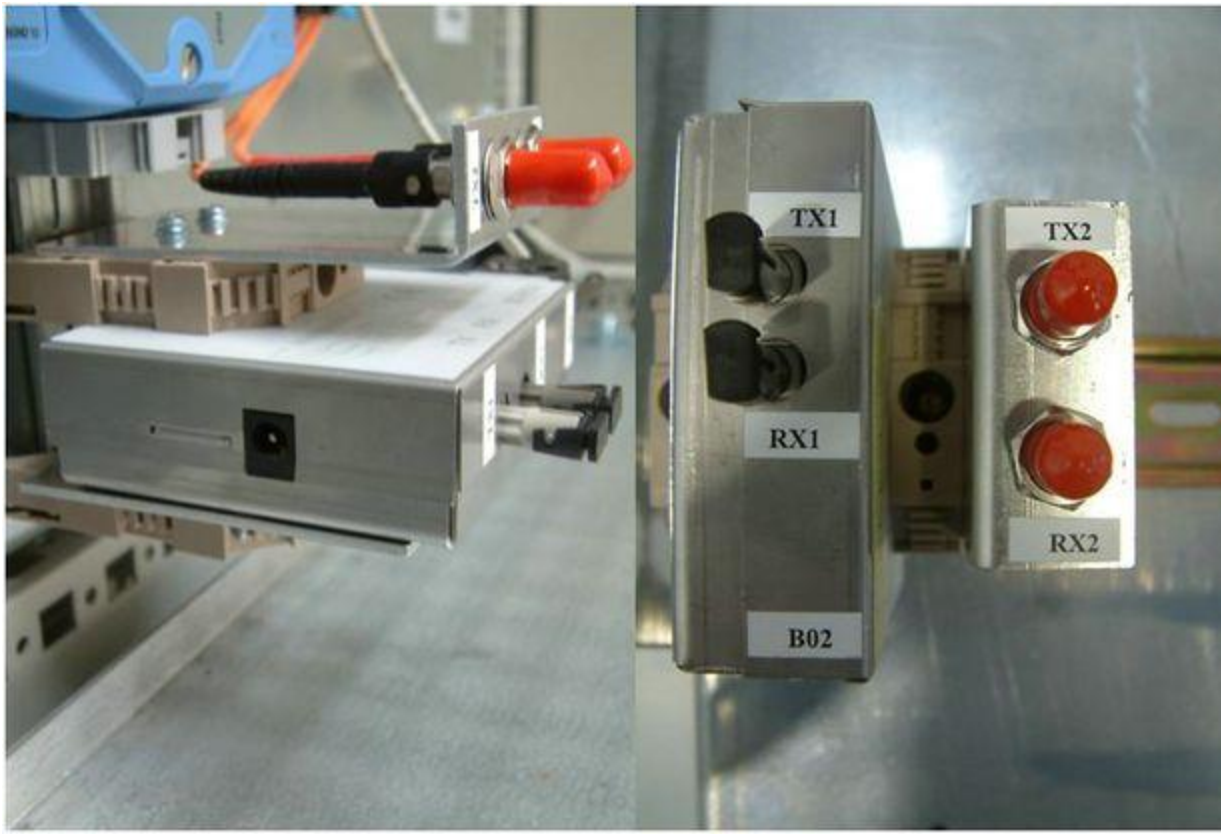
- Explanation

IN THE +AT2 PANEL:

Check the fibre optic cable for any visual damage.
Ensure that the cable is properly connected.



Ensure that the RS232 converter connections are tight and undamaged.
Replace the converter if it is found to be defective.



Relevant spare parts	
Description	**Item No.**
ST-ROX RS232/50A CONVERTER	51700301

Replace the defective power net

Does this solve the problem?

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

- Explanation

IN THE +AN1 PANEL:

Check the power net (G06) for any loose connections.

Check the input and output voltage 230/115VAC => 24VDC.

Replace the power net if it is defective.

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

Relevant CIM case		
CIM case	**Task list**	**SWI**
1390		

Replace the defective nacelle TOI

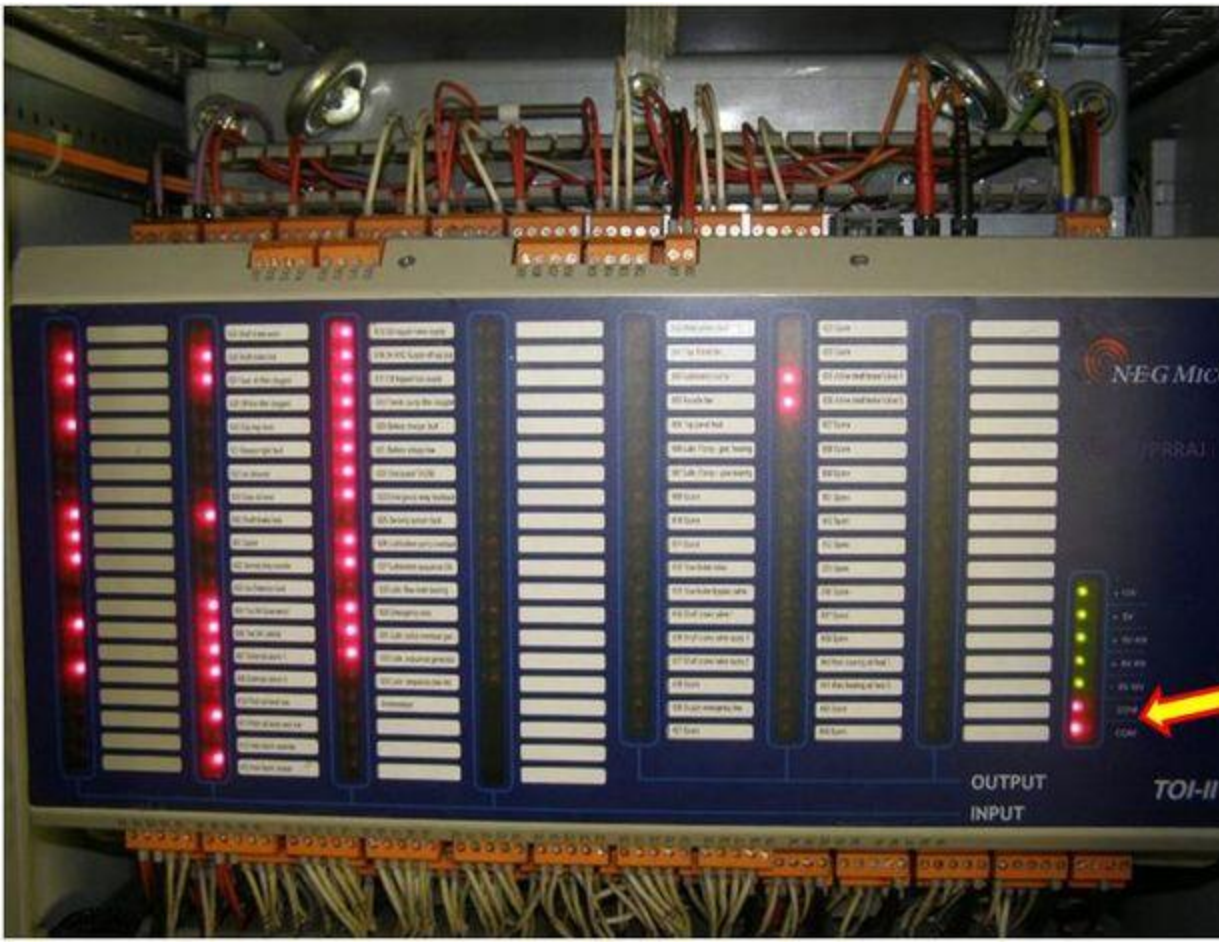
Does this solve the problem?

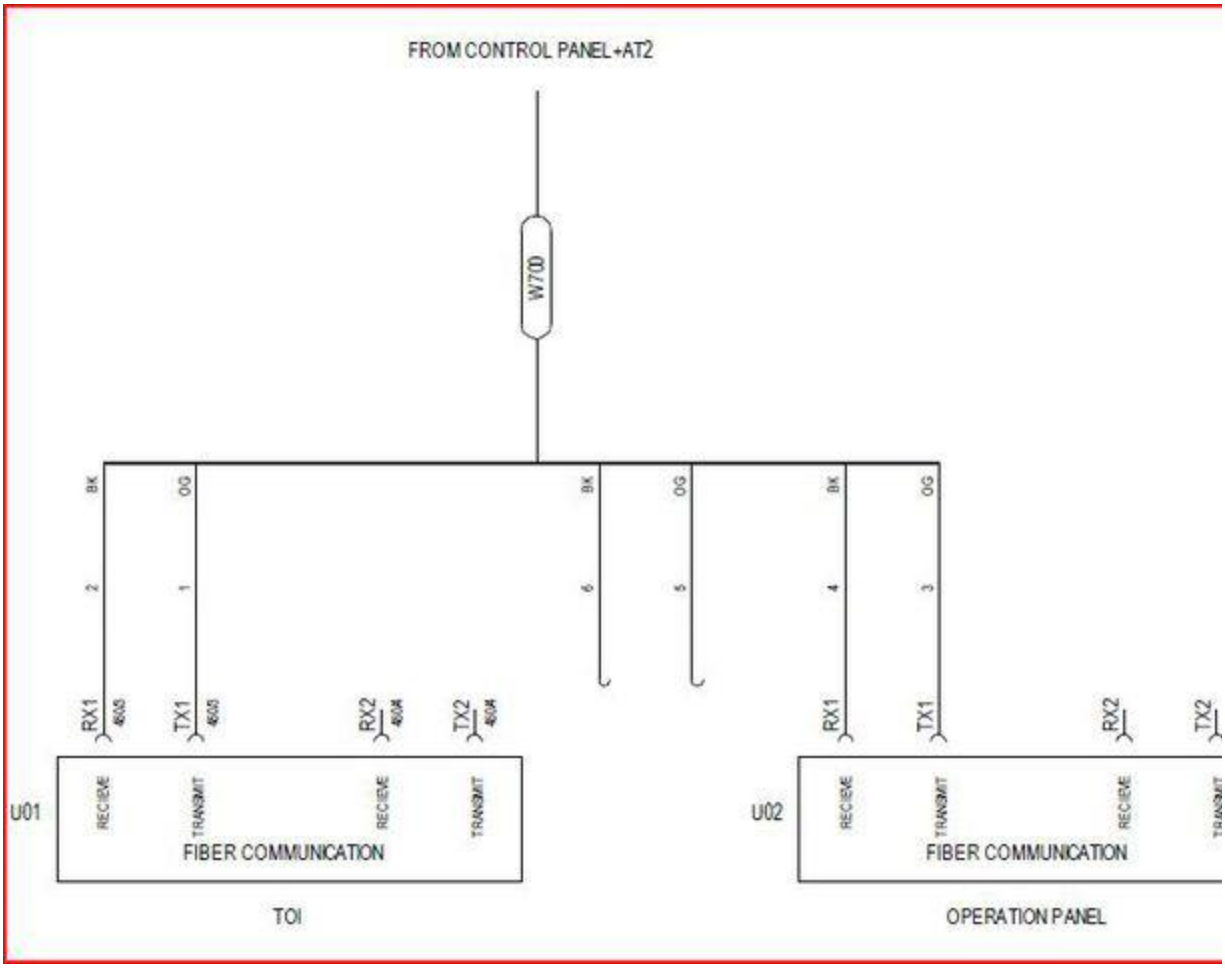
1] Yes
2] No
3] I don't know

- Explanation

IN THE +AN1 PANEL:

Check the top TOI communication signal RX/TX.


NEG Mic
OUTPUT
INPUT
TOI-II



Ensure that the fiber optical (W700) cable is properly connected.

Check the fiber opric cable for damage.

Ensure the fiber optic cable at the TOI is properly connnected.

If all connections are ok but the communication is not working then the cause is likely a faulty nacelle TOI.

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

Replace the defective fiber optic cable
Does this solve the problem?
1] Yes
2] No
3] I don't know

- Explanation

IN THE +AT2 PANEL:
Check the fiber optic cable (W700) through VT715619- OFC Visual Fault locator instrument.

Replace the cable if it is found to be defective.

Relevant spare parts	
Description	**Item No.**

CABLE W700 FIB optic L=65m	60020886
CABLE W700 FIB optic L=70m	60020887
CABLE W700 FIB optic L=84m	60020888
Cable W700 fibre optic L=96m	60022225
CABLE W700 8 CONDUCTER 110m	60021517

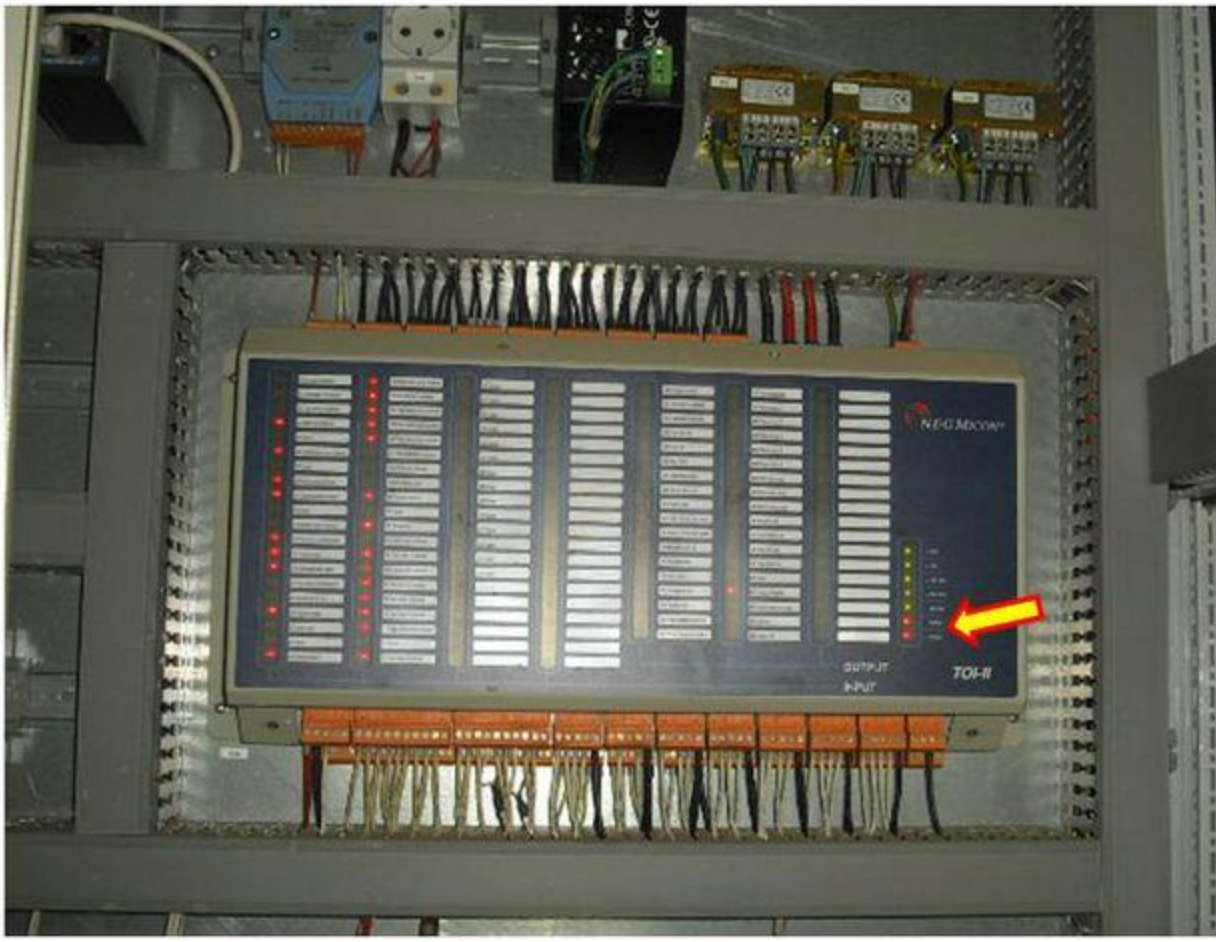
NOTE: W700 cable length will vary depends on tower/HH.

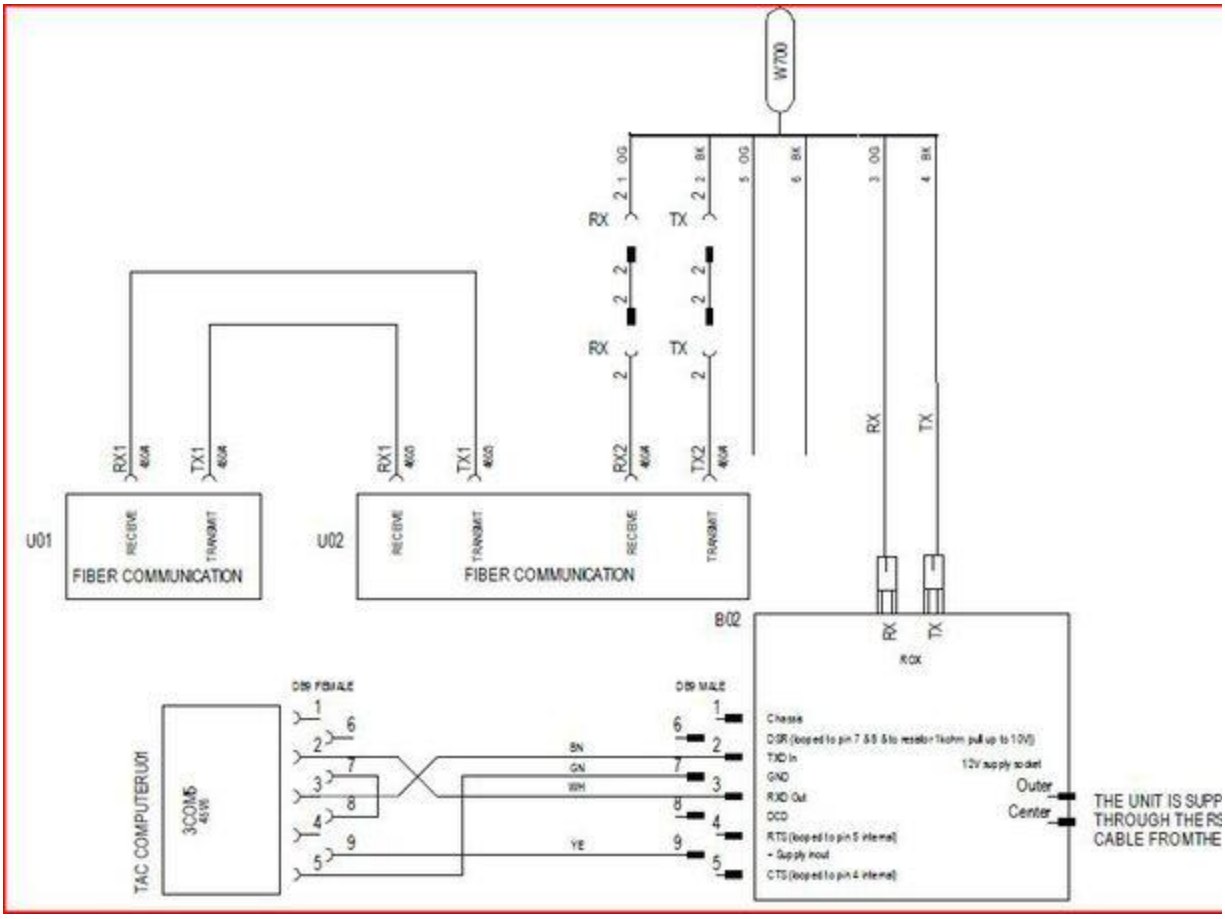
Replace the defect nacelle TOI
Does this solve the problem?
1] Yes
2] No
3] I don't know

- Explanation

IN THE +AT2 PANEL:

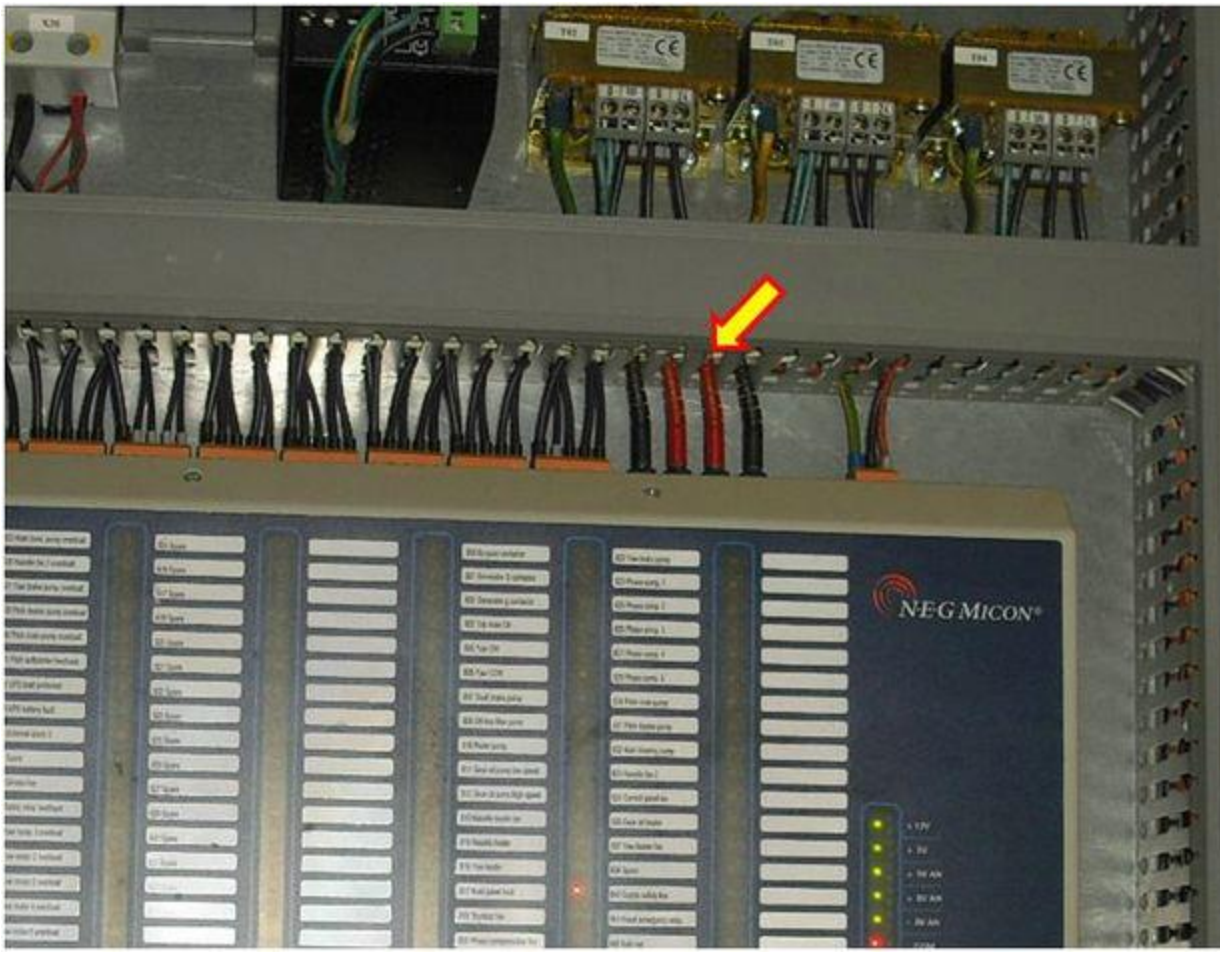
Check the Tower TOI communication signal RX/TX.


NEC Micom
OUTPUT
INPUT
TOI-II

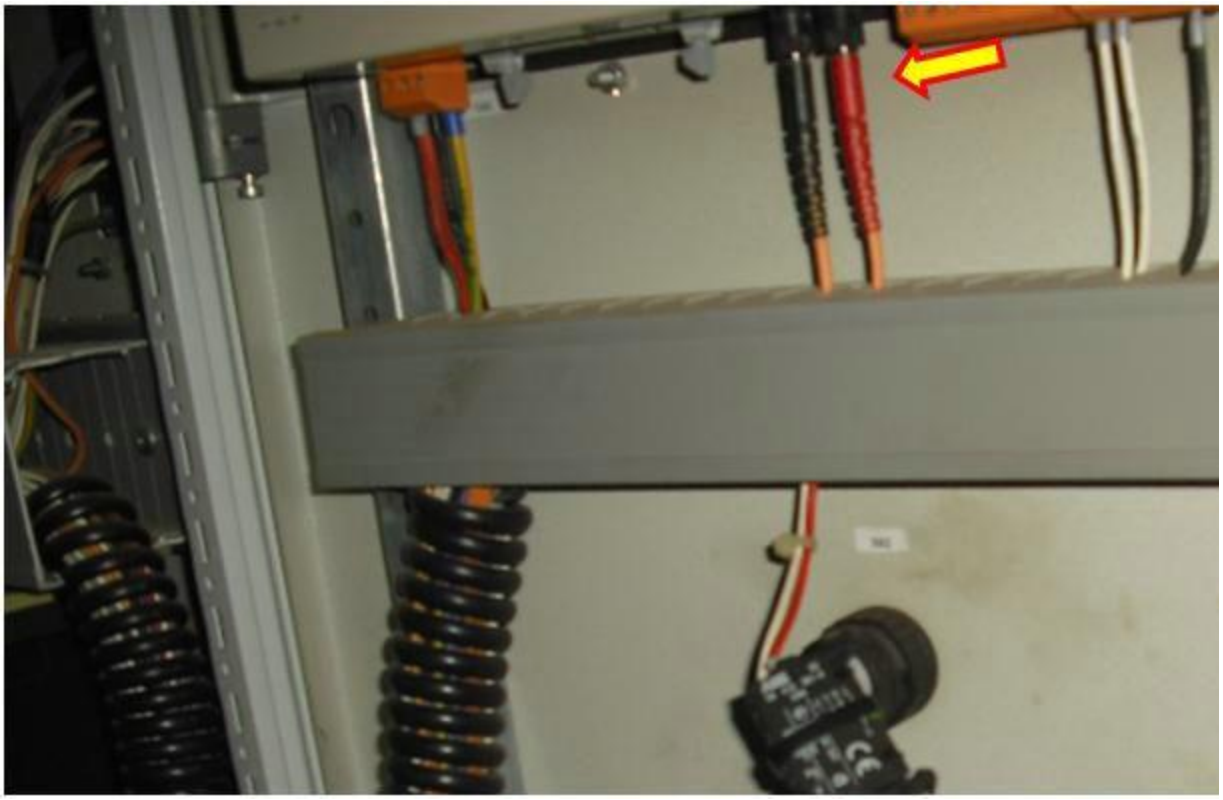


Check the Fiber optic cable for any damage.

Ensure that the fiber optic cable is properly connected.



Ensure the fiber optical cable is properly connected to the TAC computer.



If all connections are ok but communication is not working, the cause is likely a faulty Tower TOI.

Relevant spare parts	
Description	**Item No.**
TOI-II INTERF NM1500 TOWER	51701501

If after replacement of the TOI, communication is not present, the likely cause is the TAC computer.

Relevant spare parts	
Description	**Item No.**
TAC-II/F NEGM NM1500C/72/82	51707301

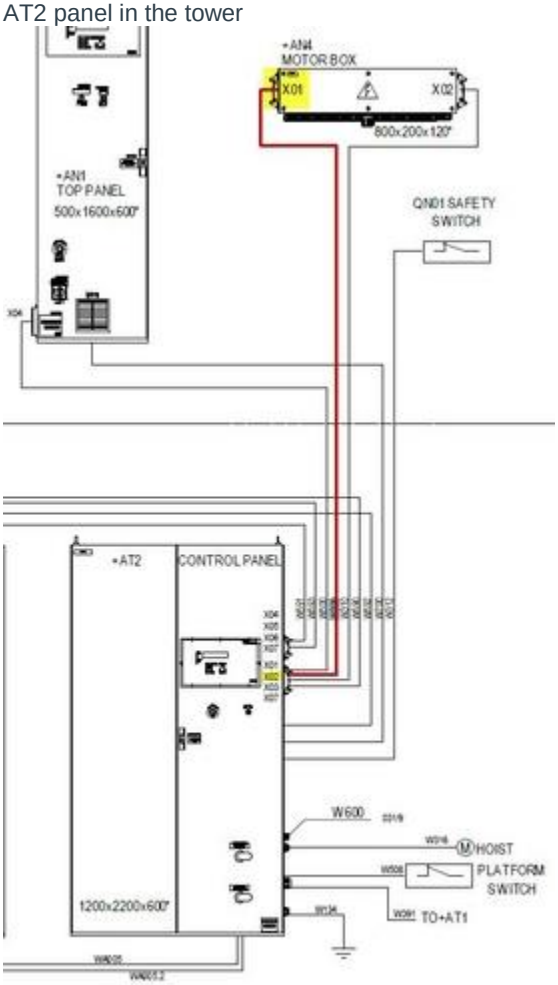
993 - TOI number 2 comm. Fault - V82

Retighten or Replace the Cable
Does this solve the problem?
1] Yes
2] No
3] I don't know

- Explanation

Check the condition of W309 Cable - Plugs X01 on AN4 Panel in the nacelle and plug X02 on.

AT2 panel in the tower



Also check for loose connections and continuity from AT2 to AN4 cable W309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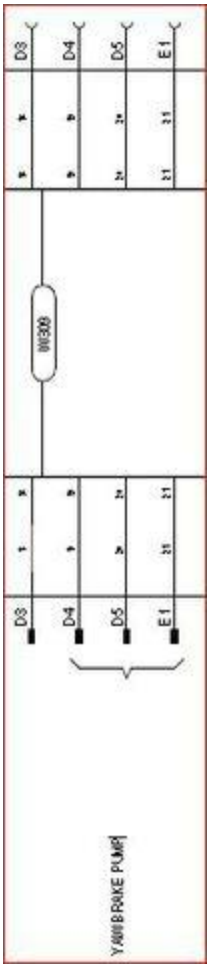

Relevant spare parts	
Description	**Item No.**
CABLE-W309 91m IEC	60111770