

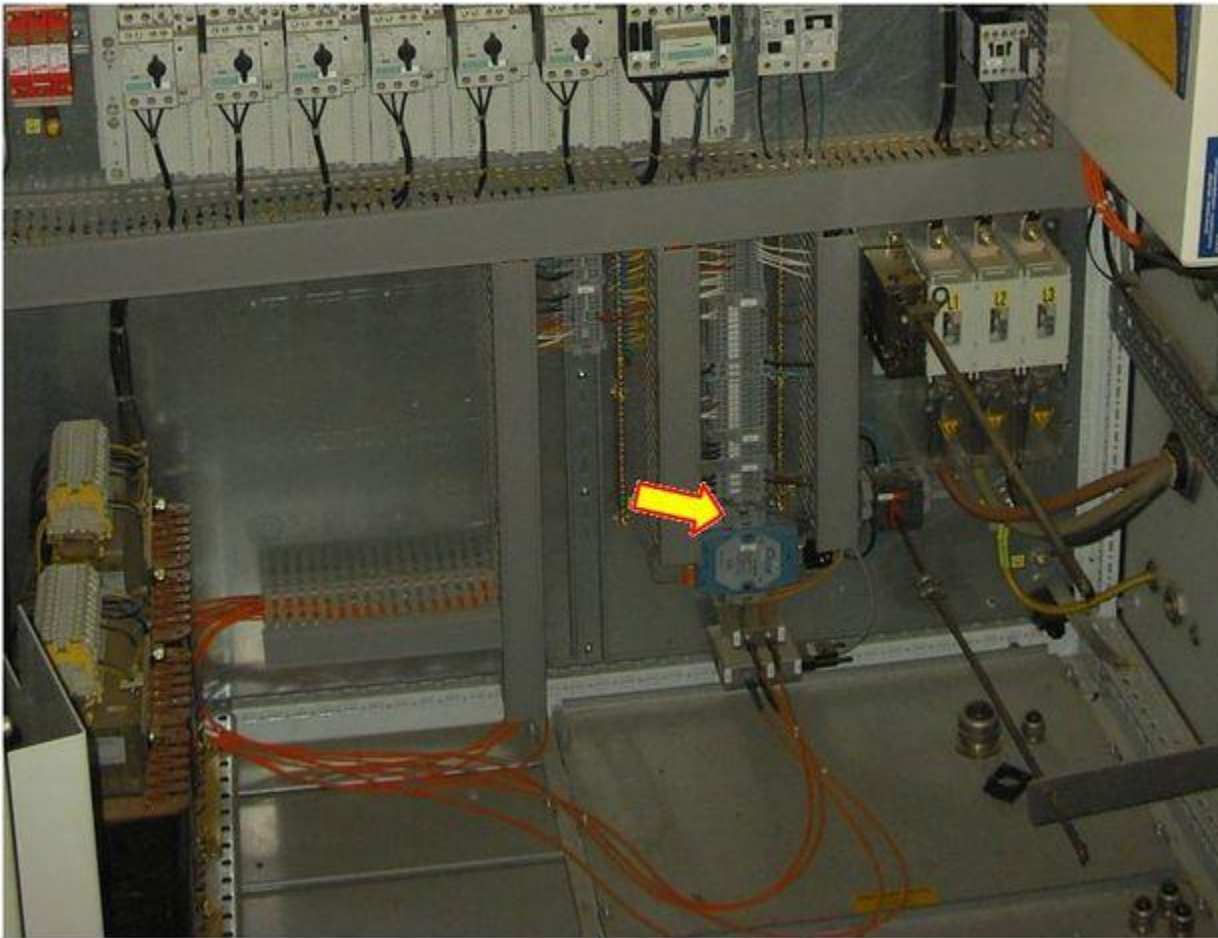
Replace the defective converter  
**Does this solve the problem?**

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

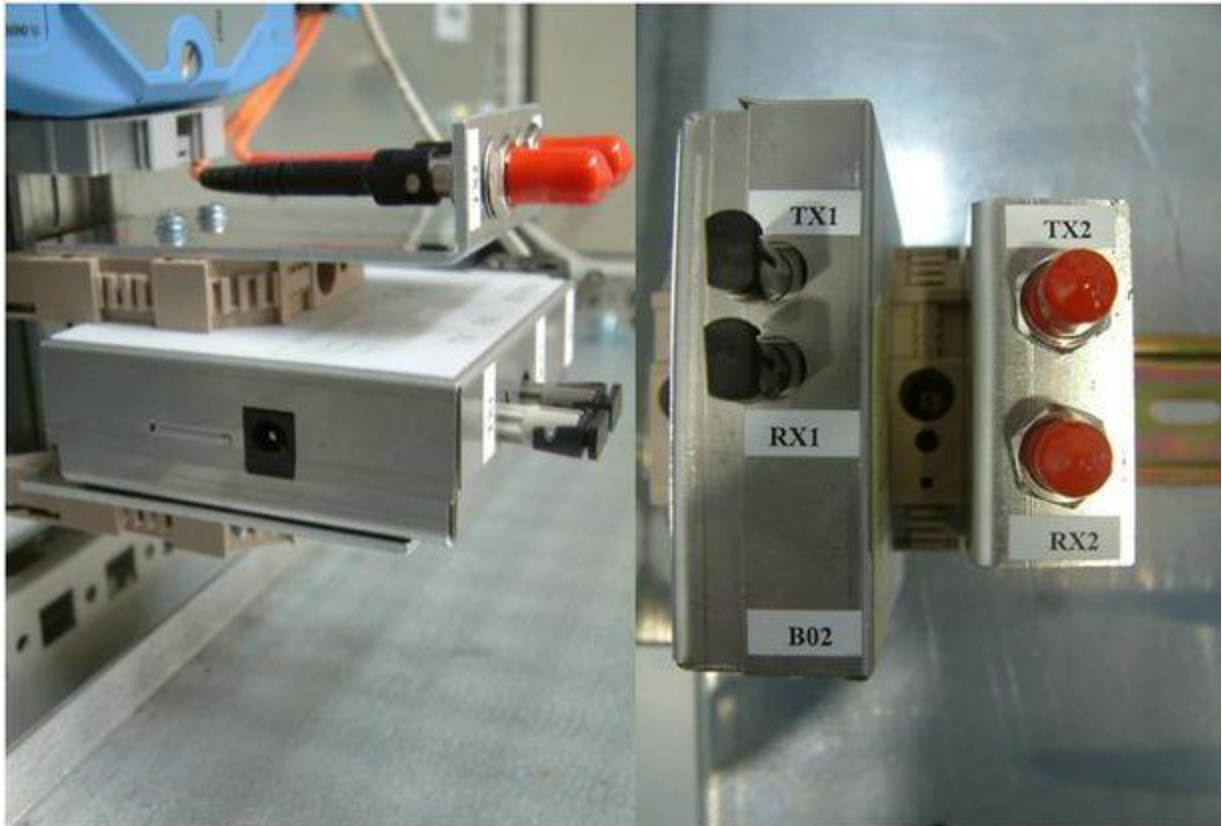
- [Explanation](#)

**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	<a href="#">51700301</a>



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	<a href="#">188453</a>

#### Relevant CIM case

CIM case	Task list	SWI
<a href="#">1390</a>		

Replace the defective nacelle TOI

**Does this solve the problem?**

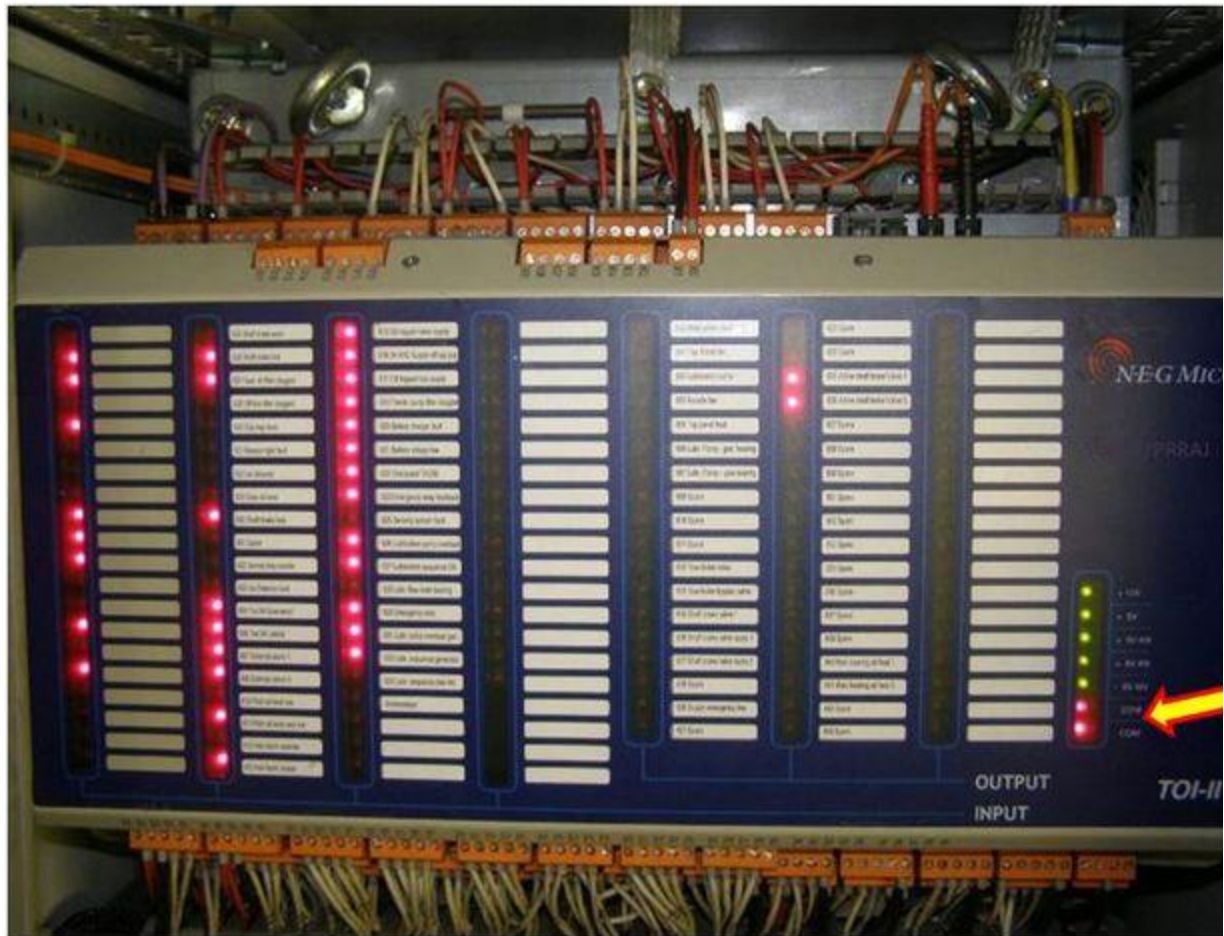
- 1) Yes
- 2) No
- 3) I don't know

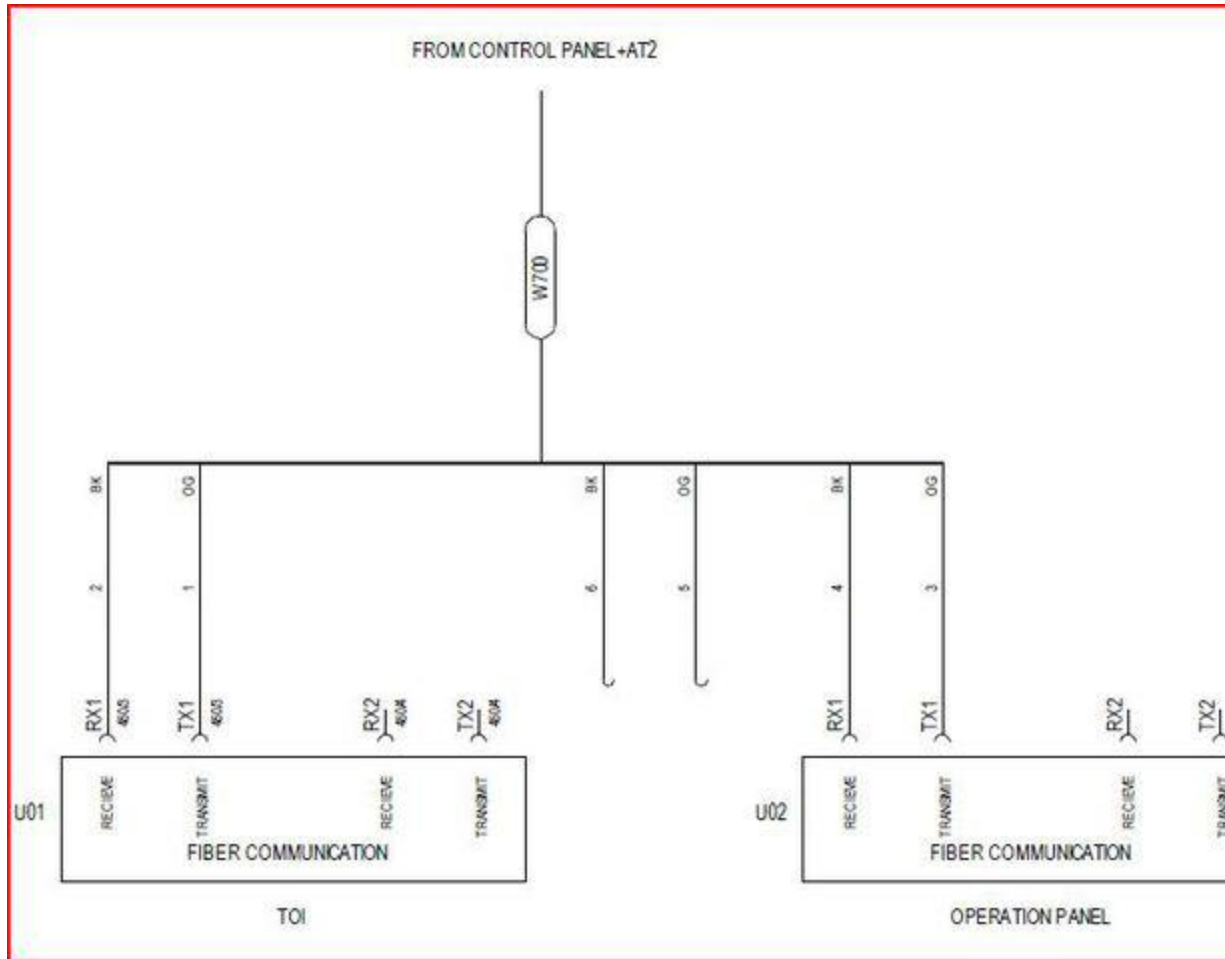
- [Explanation](#)

#### IN THE +AN1 PANEL:

Check the top TOI communication signal RX/TX.





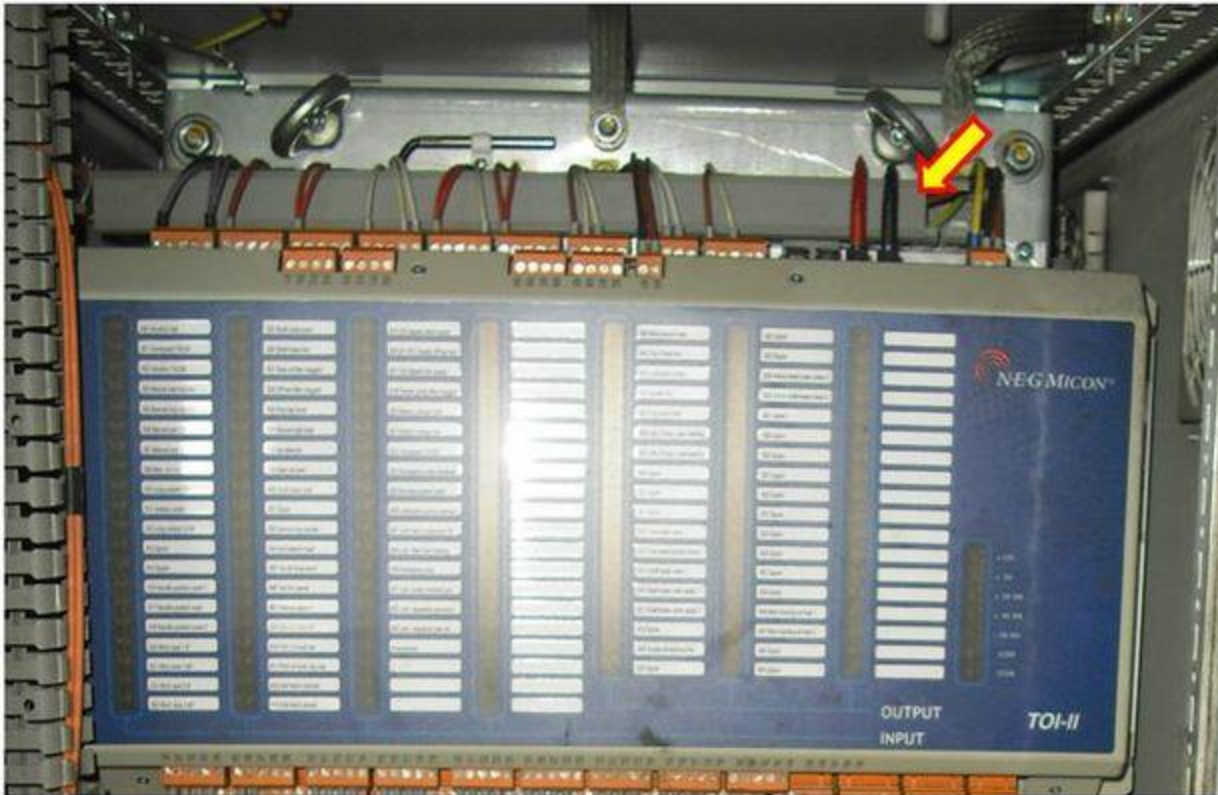


Ensure that the fiber optical (W700) cable is properly connected.

Check the fiber optic cable for damage.



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



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	<a href="#">60020886</a>
CABLE W700 FIB optic L=70m	<a href="#">60020887</a>
CABLE W700 FIB optic L=84m	<a href="#">60020888</a>
Cable W700 fibre optic L=96m	<a href="#">60022225</a>
CABLE W700 8 CONDUCTER 110m	<a href="#">60021517</a>

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



Replace the defect nacelle TOI  
**Does this solve the problem?**

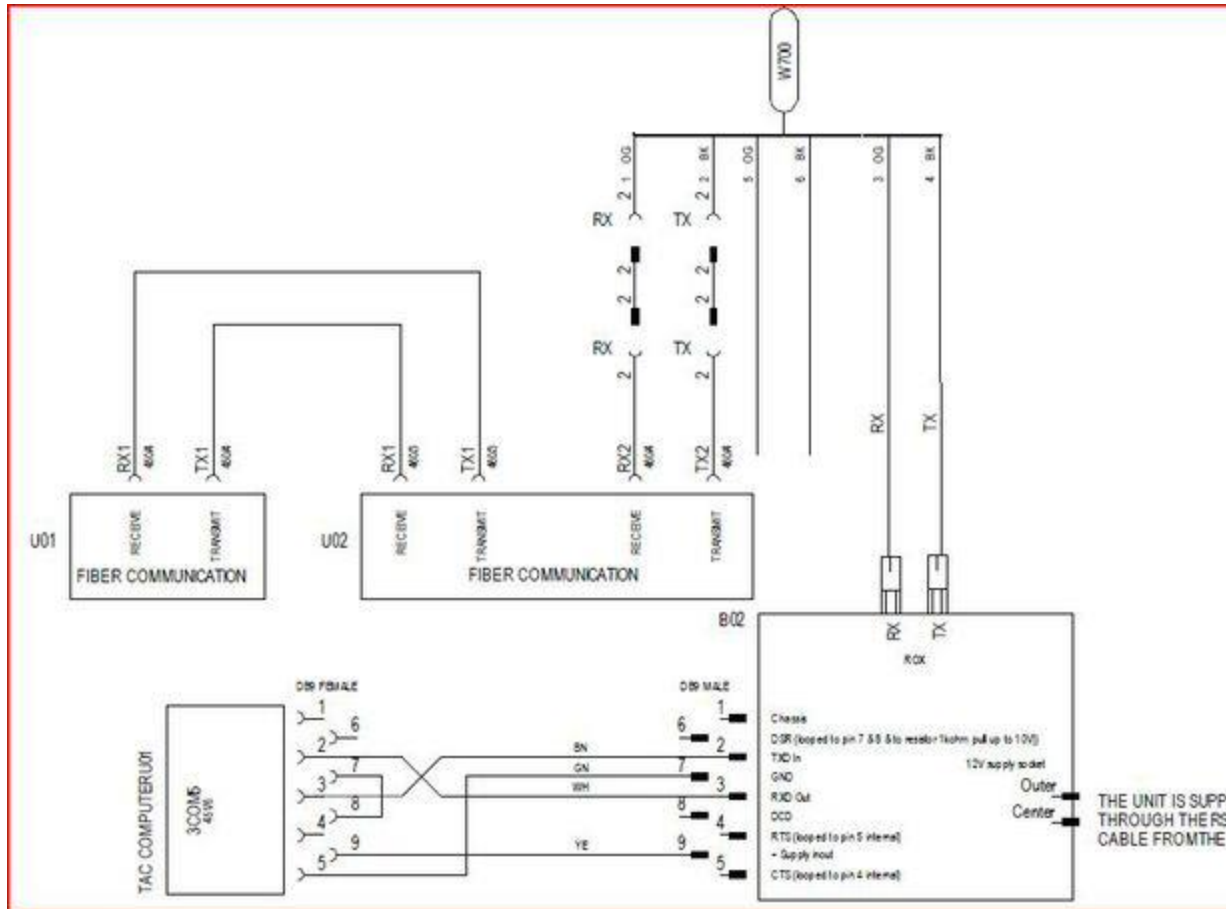
- 1] Yes
- 2] No
- 3] I don't know

- [Explanation](#)

**IN THE +AT2 PANEL:**

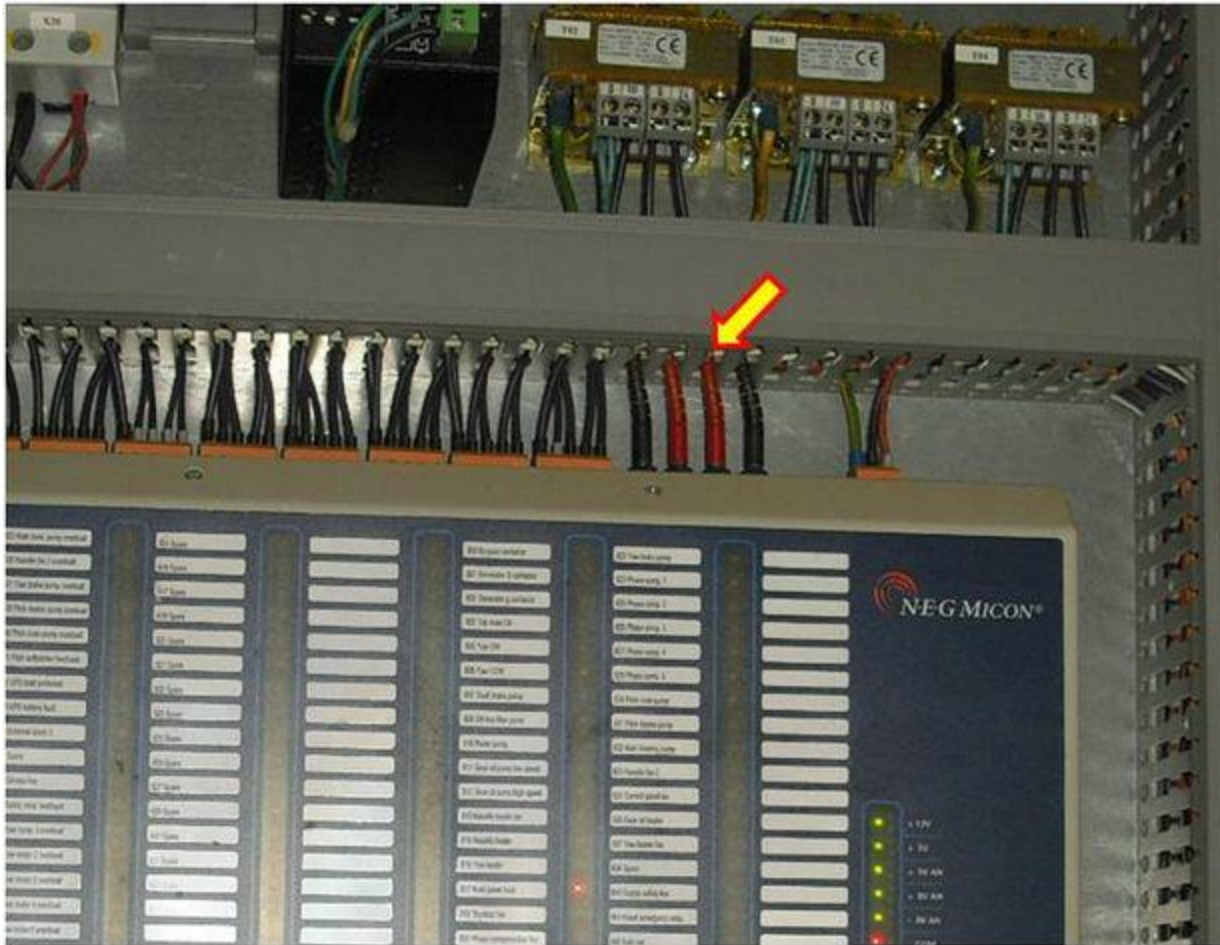
Check the Tower TOI communication signal RX/TX.





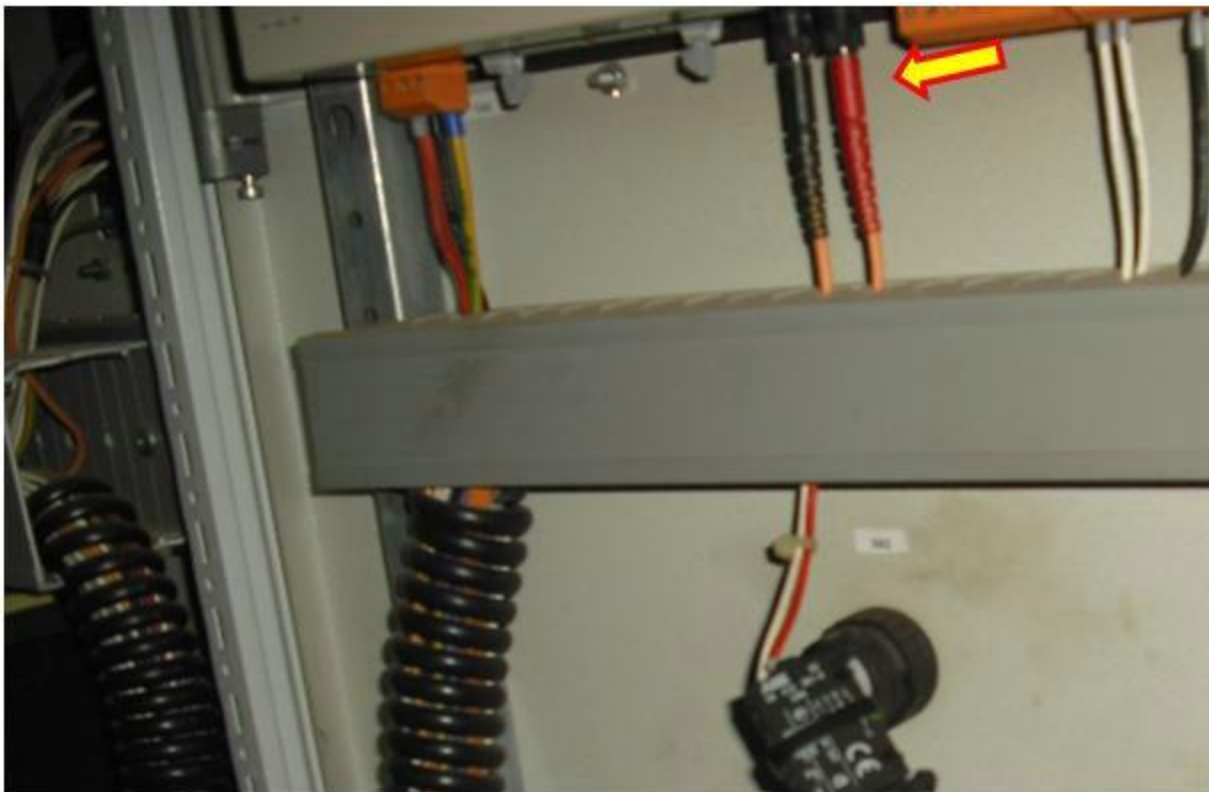
Check the Fiber optic cable for any damage.

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	<a href="#">51701501</a>

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	<a href="#">51707301</a>

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

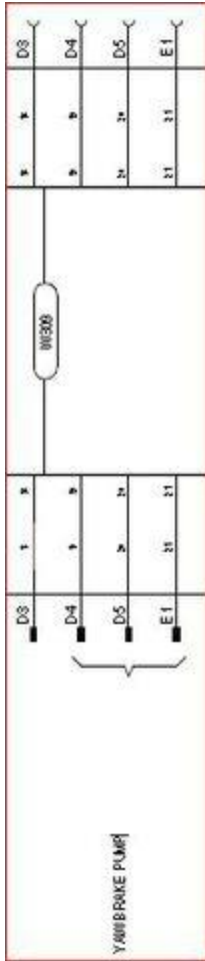
- [Explanation](#)

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

The diagram illustrates the electrical connections for the control panel (AT2). Key components and their connections include:

- Top Panel (AT1):** Dimensions 500x1600x600. It features a terminal block with connections for X04, X01, X02, X03, X04, X05, X06, X07, X08, X09, X10, X11, X12, X13, X14, X15, X16, X17, X18, X19, X20, X21, X22, X23, X24, X25, X26, X27, X28, X29, X30, X31, X32, X33, X34, X35, X36, X37, X38, X39, X40, X41, X42, X43, X44, X45, X46, X47, X48, X49, X50, X51, X52, X53, X54, X55, X56, X57, X58, X59, X60, X61, X62, X63, X64, X65, X66, X67, X68, X69, X70, X71, X72, X73, X74, X75, X76, X77, X78, X79, X80, X81, X82, X83, X84, X85, X86, X87, X88, X89, X90, X91, X92, X93, X94, X95, X96, X97, X98, X99, X100.
- Motor Box:** Dimensions 600x200x120. It contains a motor (M) and a safety switch (QND1). The motor is connected to X01 and X02. The safety switch is connected to X03 and X04.
- Control Panel (AT2):** Dimensions 1200x2200x600. It features a terminal block with connections for X04, X05, X06, X07, X08, X09, X10, X11, X12, X13, X14, X15, X16, X17, X18, X19, X20, X21, X22, X23, X24, X25, X26, X27, X28, X29, X30, X31, X32, X33, X34, X35, X36, X37, X38, X39, X40, X41, X42, X43, X44, X45, X46, X47, X48, X49, X50, X51, X52, X53, X54, X55, X56, X57, X58, X59, X60, X61, X62, X63, X64, X65, X66, X67, X68, X69, X70, X71, X72, X73, X74, X75, X76, X77, X78, X79, X80, X81, X82, X83, X84, X85, X86, X87, X88, X89, X90, X91, X92, X93, X94, X95, X96, X97, X98, X99, X100.
- Sensors and Switches:**
  - W600:** Connected to X04.
  - W601:** Connected to X05.
  - W602:** Connected to X06.
  - W603:** Connected to X07.
  - W604:** Connected to X08.
  - W605:** Connected to X09.
  - W606:** Connected to X10.
  - W607:** Connected to X11.
  - W608:** Connected to X12.
  - W609:** Connected to X13.
  - W610:** Connected to X14.
  - W611:** Connected to X15.
  - W612:** Connected to X16.
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  - W619:** Connected to X23.
  - W620:** Connected to X24.
  - W621:** Connected to X25.
  - W622:** Connected to X26.
  - W623:** Connected to X27.
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  - W691:** Connected to X95.
  - W692:** Connected to X96.
  - W693:** Connected to X97.
  - W694:** Connected to X98.
  - W695:** Connected to X99.
  - W696:** Connected to X100.





Relevant spare parts	
Description	Item No.
CABLE-W309 91m IEC	<a href="#">60111770</a>