Check for 230V going into the G05 and G06

Does this solve the problem?

1] Yes

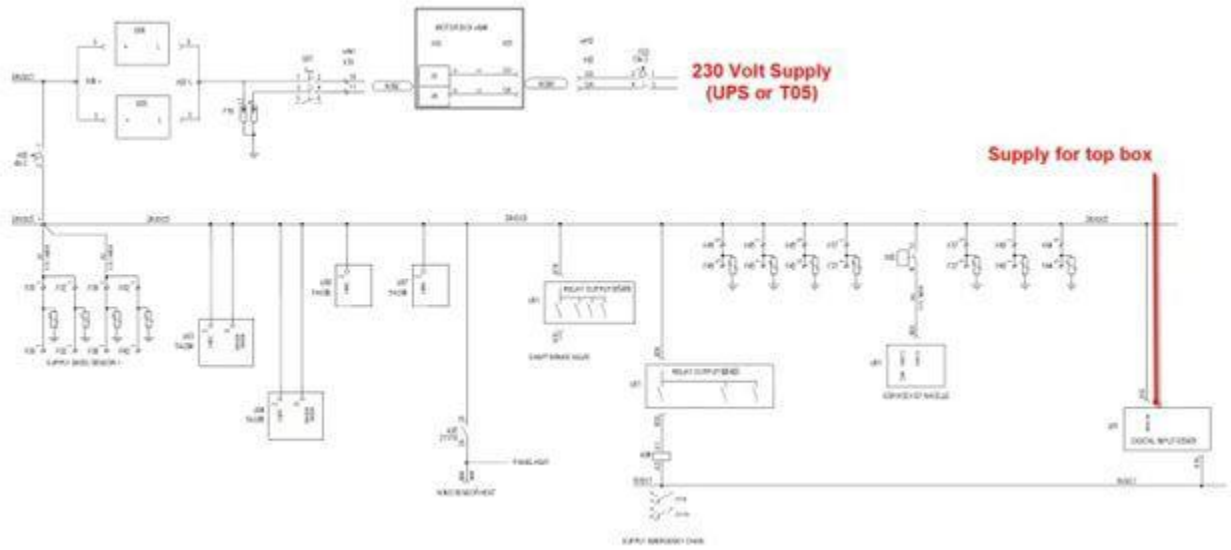
2] No

3] I don't know

- **Explanation**

Check the power supply from the AT2. If there is not 230VAC at both the G05 and the G06 (In the AN01) then you need to troubleshoot the supply circuit.

Wiring diagram labelled with MkIII components



- Check the Q01 switch on the side of the AN01.
- Check the Amphenol plugs on the AN4 and the AT2 cabinets.
- Check the F22 in the AT2

When the 230 volt supply has been restored, check for 24VDC output on the G05 and G06

Check the 24 volt power supply in the AN1

Does this solve the problem?

1] Yes

2] No

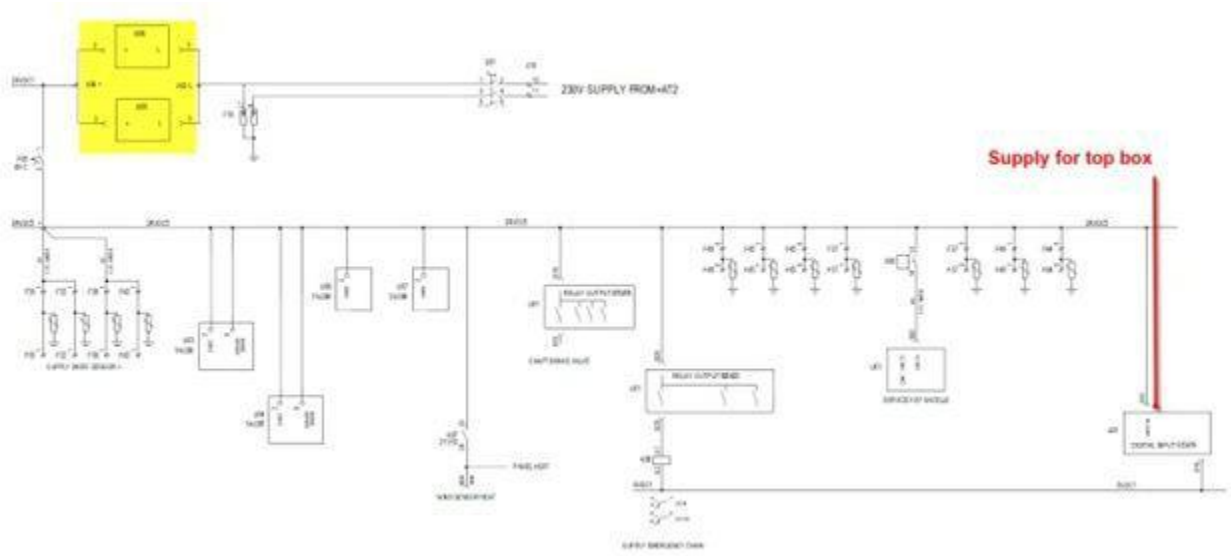
3] I don't know

- **Explanation**

The G05 and G06 are the 230VAC to 24VDC PowerNet transformers in the AN1. Check them to verify they have 24VDC on terminal 3 and 230VAC on the line in. You may need to adjust the output of the PowerNets to make them produce exactly 24VDC.

The LEDs on the PowerNets will indicate their condition but check with a digital multimeter to be sure.

Wiring diagram labelled with MkIII components



Reset the F05 circuit breaker in the AN1

Does this solve the problem?

1] Yes

2] No

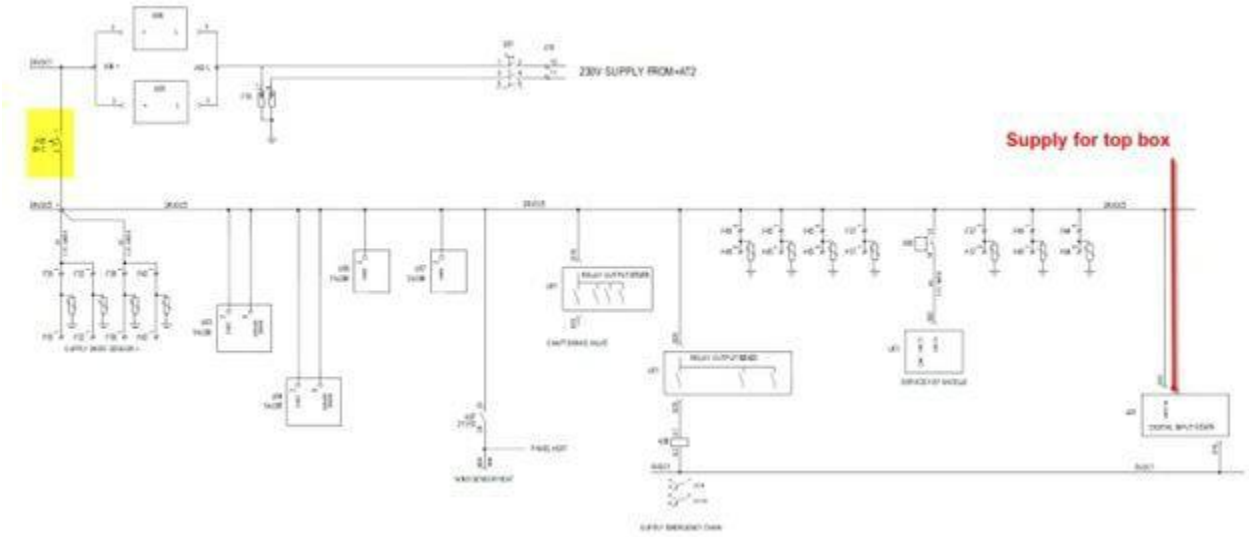
3] I don't know

- **Explanation**

If the F05 is tripped, find and repair the cause. Once the F05 can be reset, double check that 24VDC makes it to input

616 on the TOI.

Wiring diagram labelled with MkIII components



Check the varistors in the circuit for a short to ground

Does this solve the problem?

1] Yes

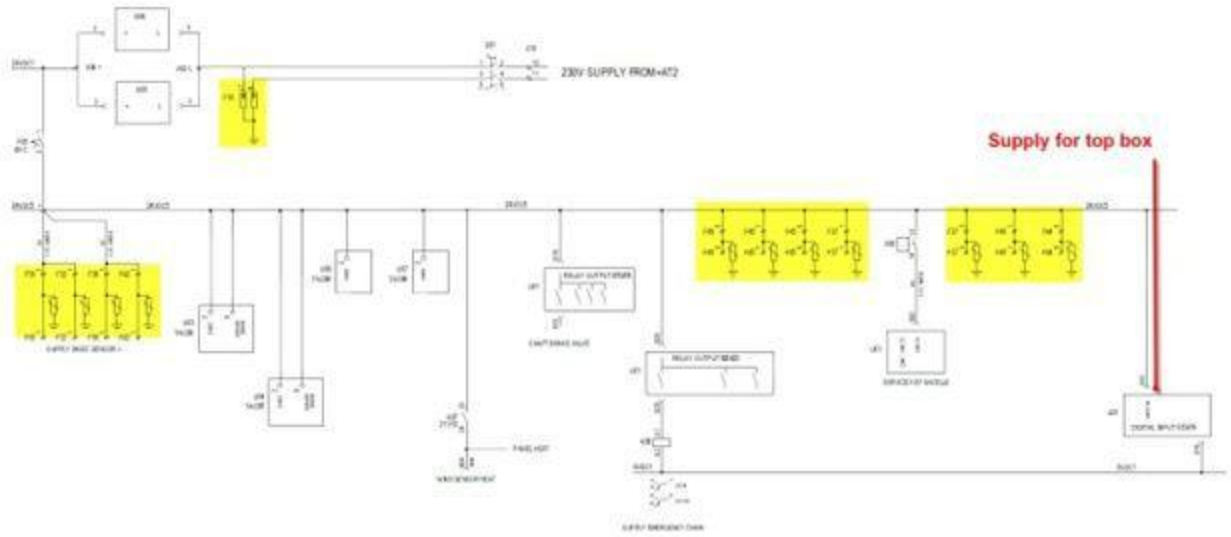
2] No

3] I don't know

- **Explanation**

If the F05 is tripped and won’t reset, check the circuit protection, the green varistors can cause a short when they fail.

Wiring diagram labelled with MkIII components



Check for continuity from line to ground to check the varistors.

Check the 24 volt circuit for opens

Does this solve the problem?

1] Yes

2] No

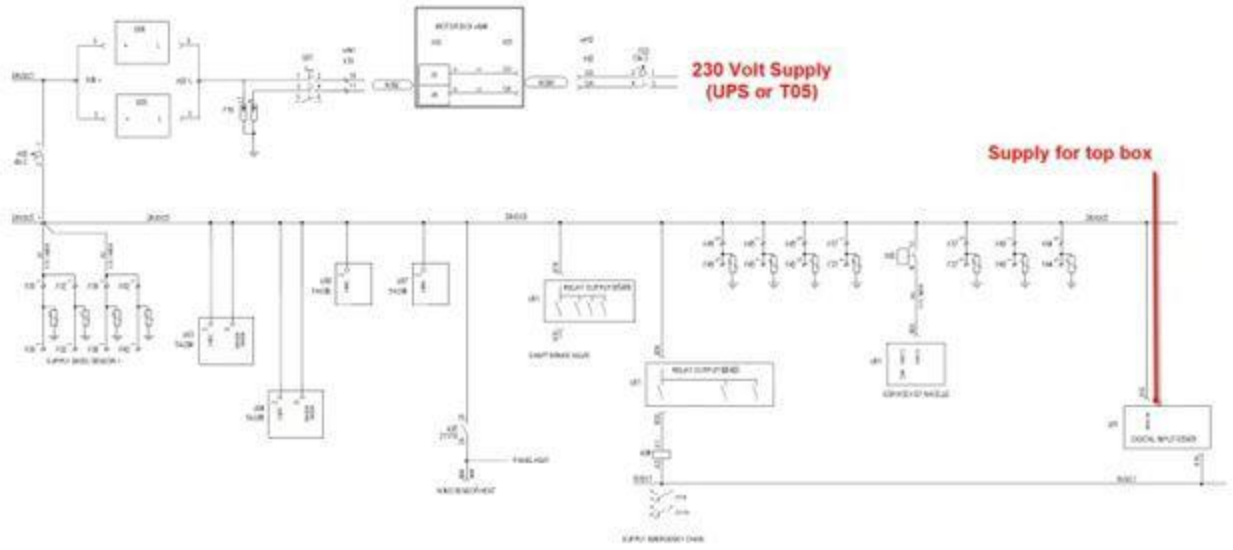
3] I don't know

- **Explanation**

  If you have power coming out of the F05 but are not seeing it at the TOI, then there may be an open due to a loose connection.

  With the F05 open and your digital multimeter set to continuity check, track down where the open is and fix or replace the loose connector.

Wiring diagram labelled with MkIII components



Make sure the G05 and G06 are set for 230 volt supply voltage

Does this solve the problem?

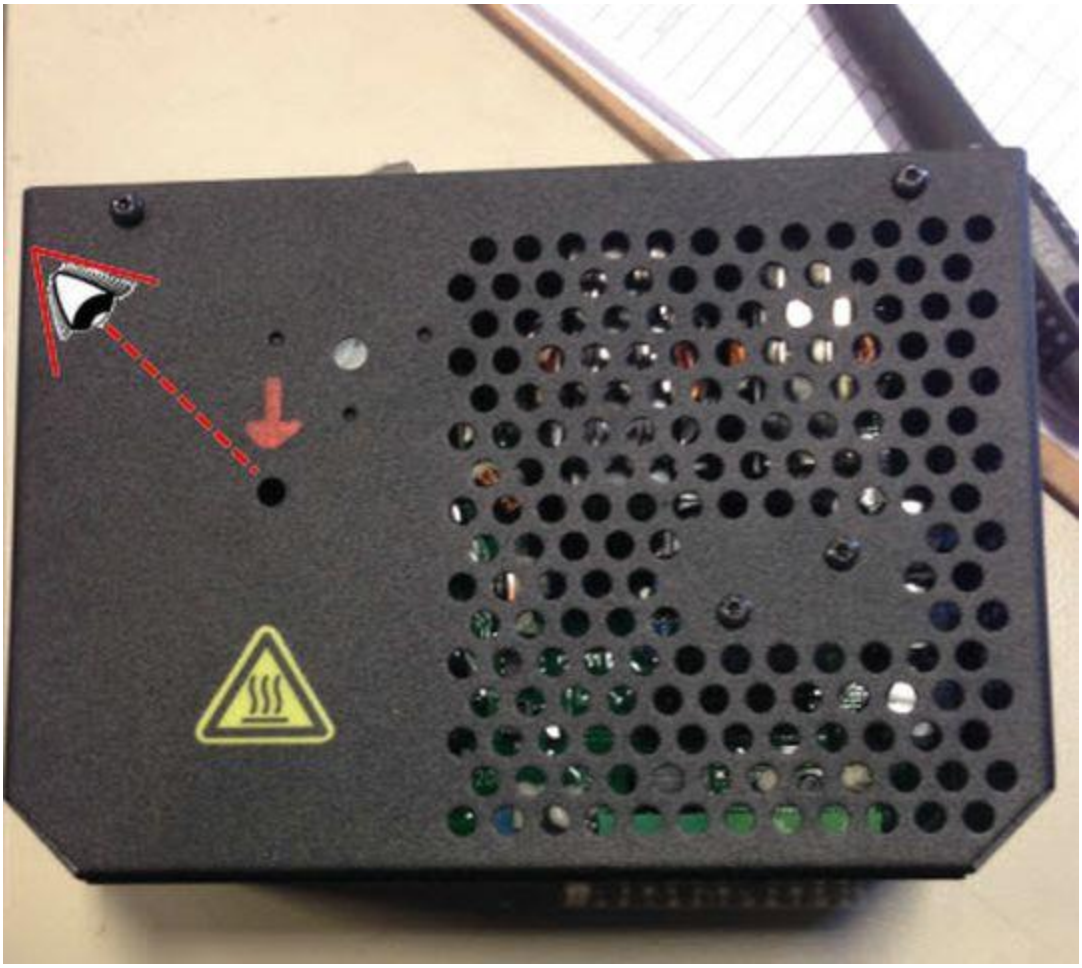
1] Yes

2] No

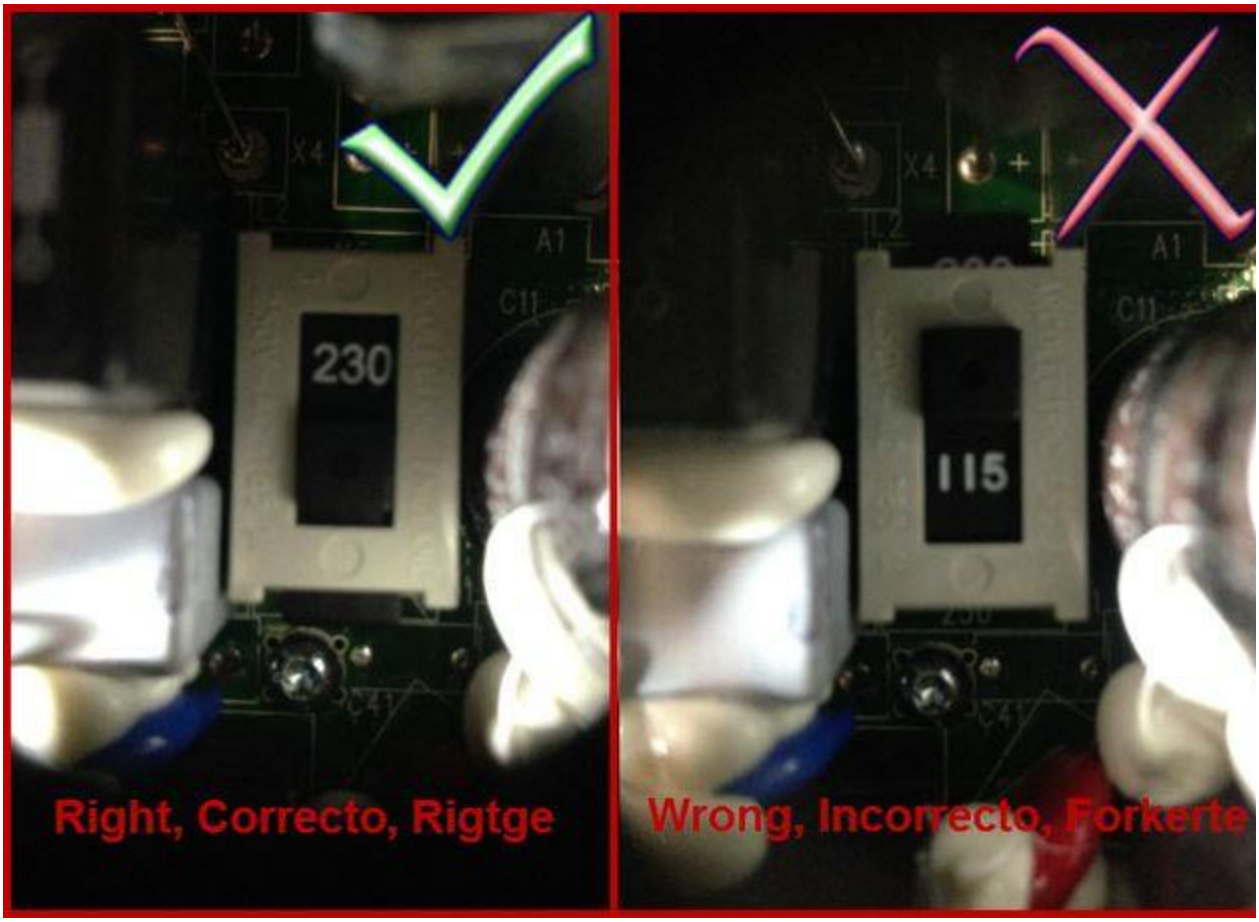
3] I don't know

- **Explanation**

  If the G05 or the G06 are new off-the-shelf parts and this problem occurs, check to make sure they are not configured to 115 supply voltage.



The supply voltage selector switch can be seen by looking through the small hole on the top of the power supply. Check the switch position, it should be set to 230.



Check and replace the sensor

Does this solve the problem?

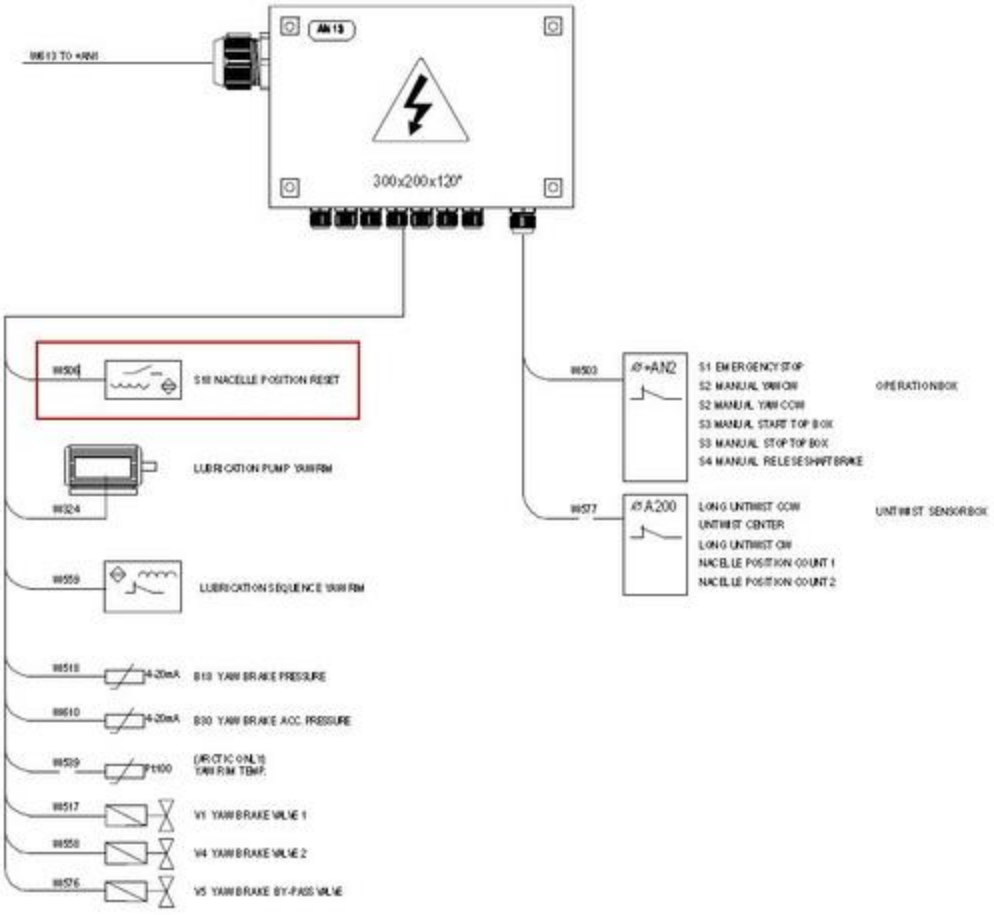
1] Yes

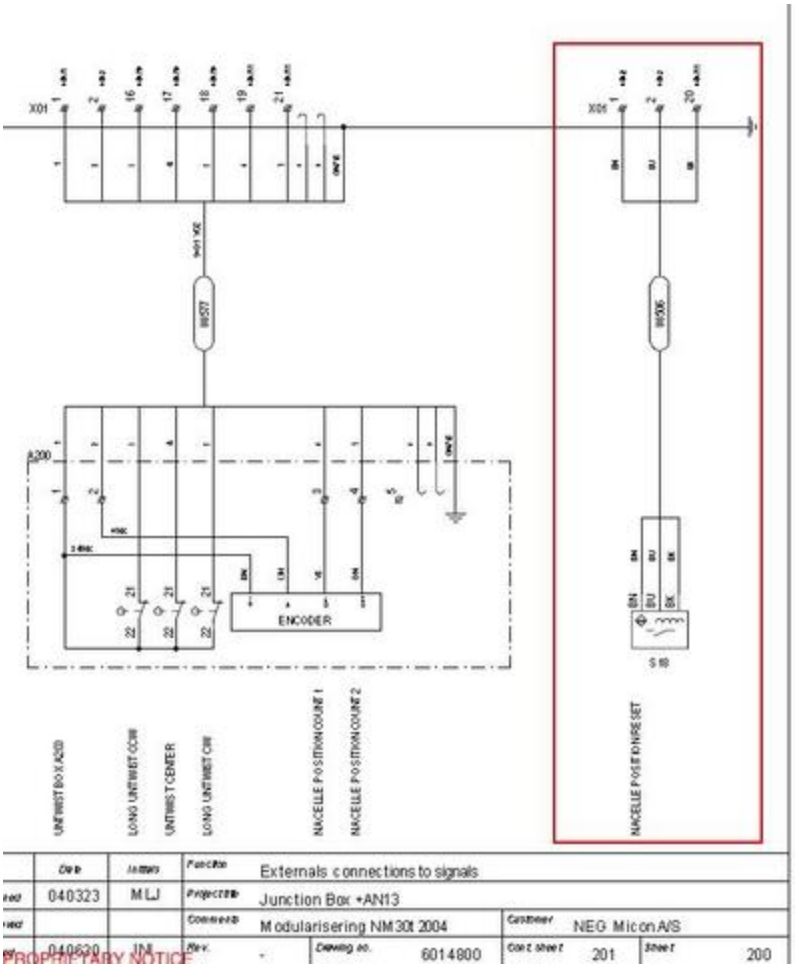
2] No

3] I don't know

- **Explanation**

  Check and replace the sensor, if sensor or cable is found damage.


-AN13
300x200x120
-S8 NACELLE POSITION RESET
LUBRICATION PUMP YAW RIM
LUBRICATION SEQUENCE YAW RIM
4-20mA
B10 YAW BRAKE PRESSURE
4-20mA
B30 YAW BRAKE ACC. PRESSURE
PT100
(ARCTIC ONLY)
YAW RIM TEMP.
V1 YAW BRAKE VALVE 1
V4 YAW BRAKE VALVE 2
V5 YAW BRAKE BY-PASS VALVE
-A2
S1 EMERGENCY STOP
S2 MANUAL YAW CW
S2 MANUAL YAW CCW
S3 MANUAL START TOP BOX
S3 MANUAL STOP TOP BOX
S4 MANUAL RELESE SHAFT BRAKE
OPERATIONBOX
-A200
LONG UNTWIST CCW
UNTWIST CENTER
LONG UNTWIST CW
NACELLE POSITION COUNT 1
NACELLE POSITION COUNT 2
UNTWIST SENSORBOX



	Date	Initials	Function	Externals connections to signals			
Prepared	040323	MLJ	Project title	Junction Box +AN13			
Checked			Comments	Modularisering NM30t 2004	Customer	NEG Micon A/S	
Approved	040620	JM	Rev. -	Drawing no. 6014800	Cont sheet 201	Sheet 200	

Relevant spare parts	
Description	**Item No.**
PROXI SWITCH I1808PPOS1531 Ø18	60009270

Check the 24V cable for damage. Replace the cable if defect

Does this solve the problem?

1] Yes

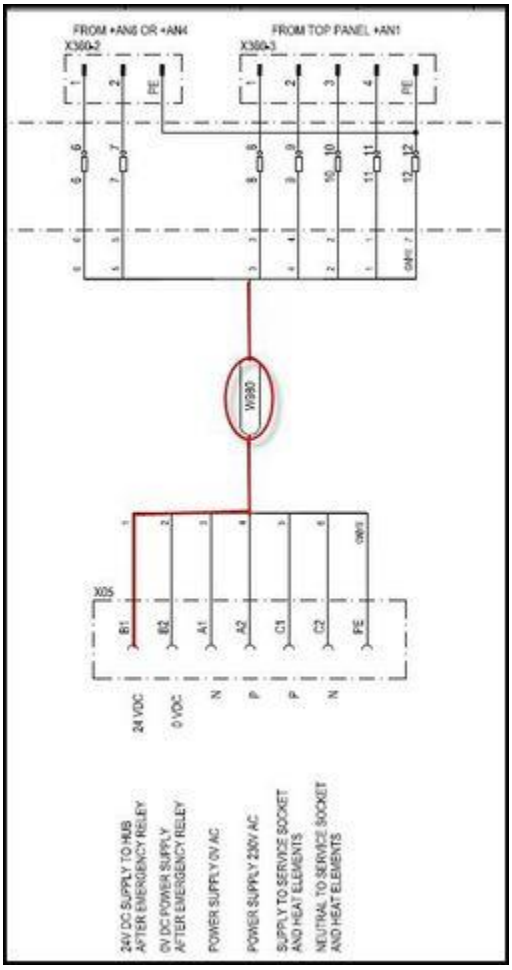
2] No

3] I don't know

- **Explanation**

AT NACELLE

Check the cable continuity between AN1 cabninet X05 connector to slip ring which carries 24V after emergency circuit. If found cable damaged. Repacle the cable



Relevant spare parts	
Description	**Item No.**

CABLE W980 IEC Supply	60021557

Check the input voltage to the TOI

Does this solve the problem?

1] Yes

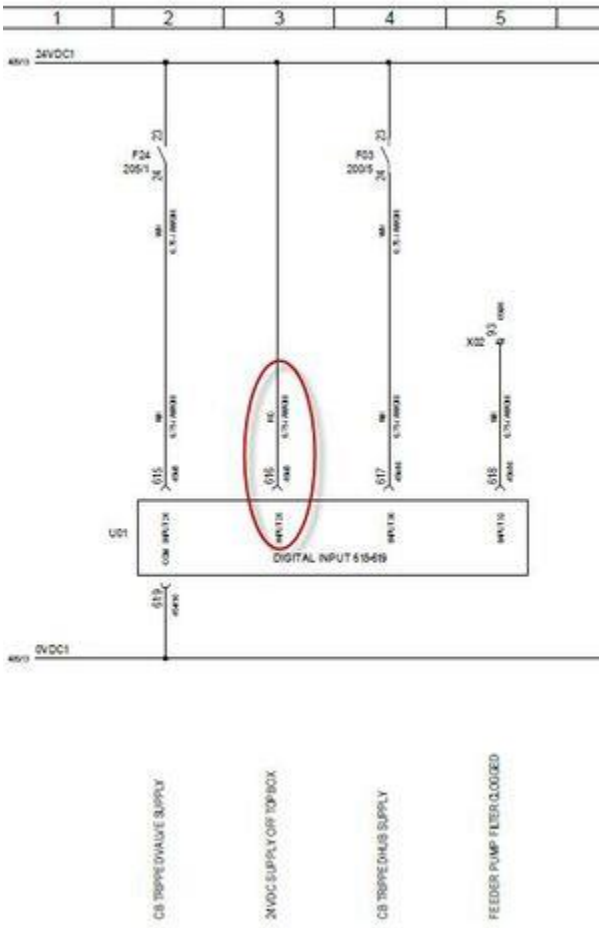
2] No

3] I don't know

- **Explanation**

AT NACELLE

Panel AN1 check the TOI input voltage(24V DC) on the teriminal 616. If the voltage measured at the point and input LED signal" 24VDC SUPPLY OFF TOP BOX" not glown, TOI interface unit failed. Change the TOI



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