

Replace the defect MCB

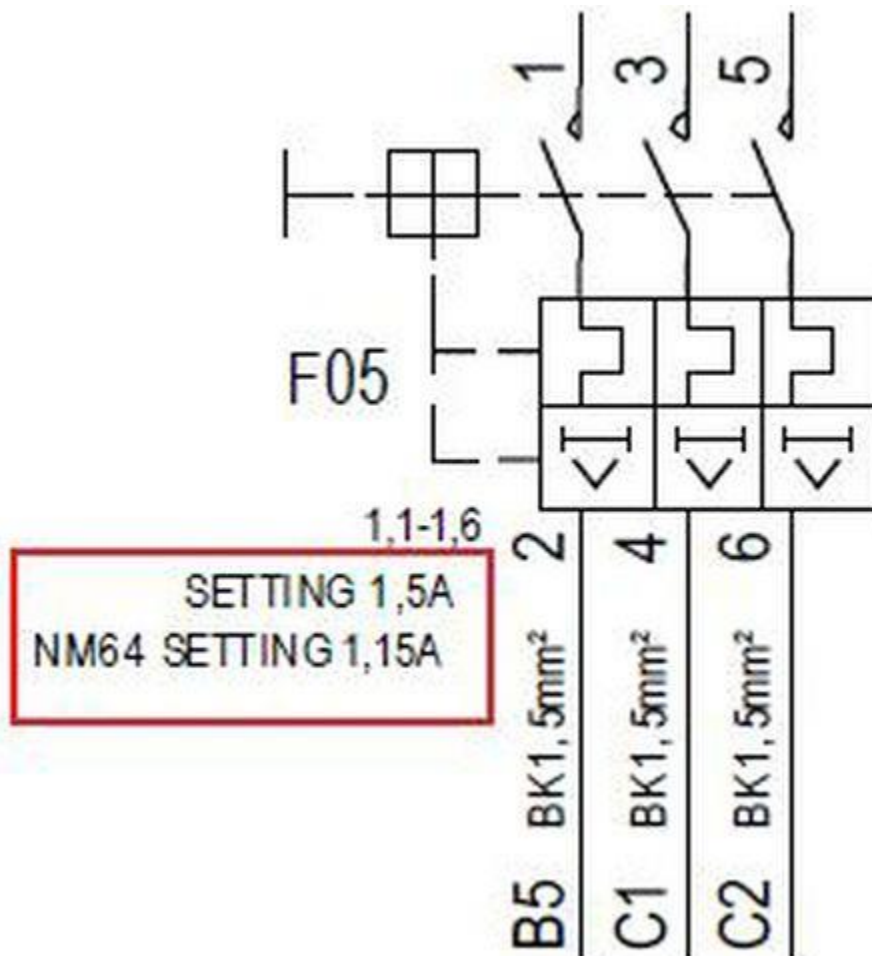
Does this solve the problem?

1] Yes

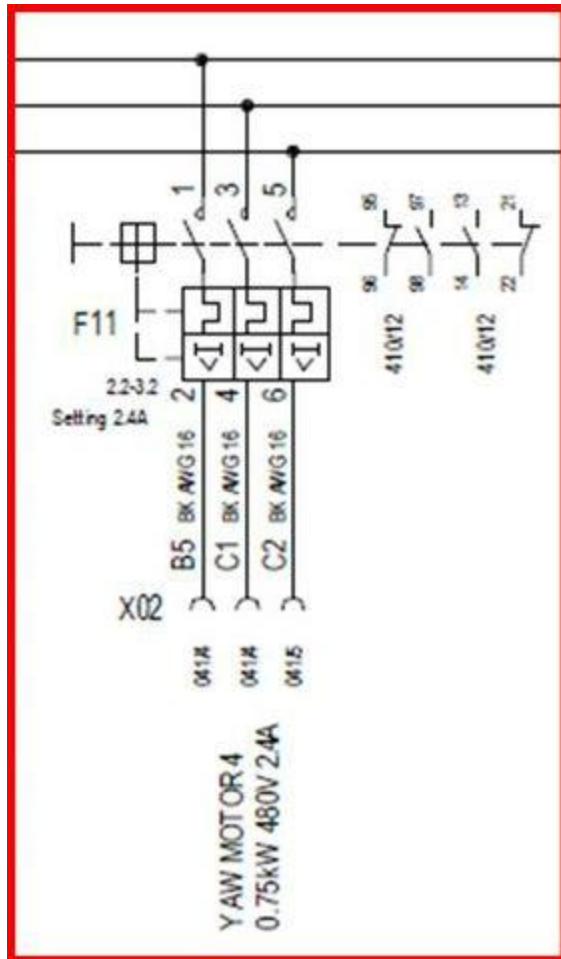
2] No

3] I don't know

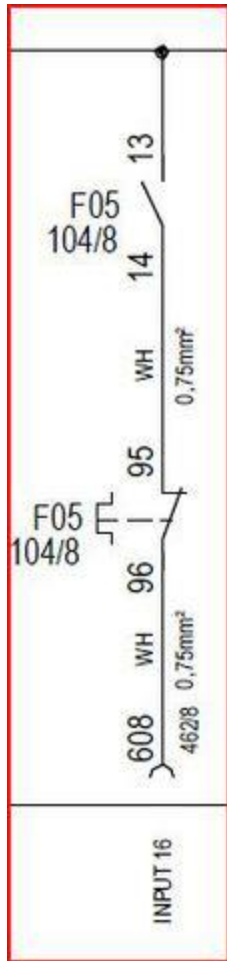
- **Explanation**
50 Hz



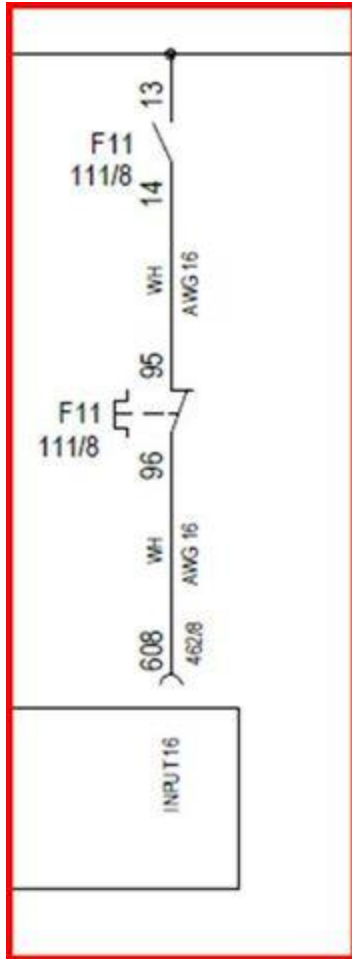
60 Hz



50 Hz



60 Hz



IN THE AT2 CABINET:

- Check the INPUT/ OUTPUT voltage(F05/F11)
- Check the MCB function.
- Check the MCB continuity.
- Check the required current setting in the MCB
- Check for loose connection in the terminals and cable condition.
- Check the Auxiliary relay function input

to TOI.

Relevant documentation	
Description	DMS No.
Replacement of Electrical parts in Control Panels	0001-8388

Risk Assessment(Replacement of Electrical parts in Control Panels)

[0001-8390](#)

Relevant spare parts

Description	Item No.
Item no for MCB	60004746
Item no for MCB	60004749
Item no for auxiliary Relay	60004778

Components View in AT2 Panel:



Replace yaw motor / Replace yaw motor magnetic coil

Does this solve the problem?

1] Yes

2] No

3] I don't know

• **Explanation**

- Check for any loose connection in the terminal box:
- Remove the STAR/ DELTA connections and check the Winding /coil resistance value

Yaw motor



Yaw motor connection:



Remove the Yaw brake magnetic coil connection

And Measure the resistance value of the motor windings and magnetic coil.

Measure phase to phase and phase to earth on all windings.



The resistance value should be $>1\text{M}\Omega$.

- Check the supply voltage R,Y ,B Winding
- To ensure operate the Motor and listen abnormal noise of any kind.
- If magnetic coil failure, we can replace coil only.

Relevant documentation	
Description	DMS No.
Service Work Instruction for Yaw Lock	0002-8965
Yaw motor replacement	0011-5166

Service Work Instruction for Yaw System	1000686
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Relevant spare parts	
Description	Item No.
YAW MOTOR BONFIGLIOLI 0,75/0,9	60091176
AC BRAKE TYPE FA (Yaw motor magnetic coil)	60120682
YAW LOCK MAIN ASSEMBLY	VT735237

Yaw motor magnetic coil



Check & adjust the yaw magnetic brake –Refer the Service Work Instruction for Yaw System 1000686

Replace the defective cable

Does this solve the problem?

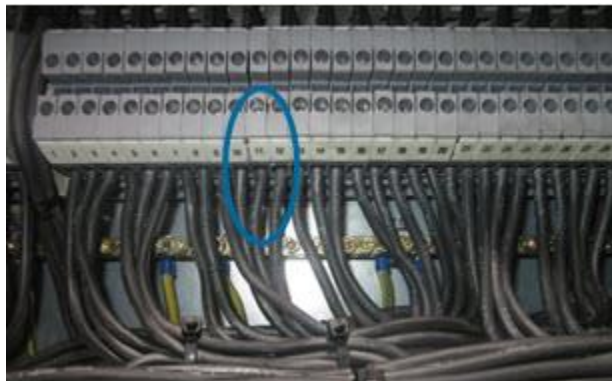
- 1] Yes
- 2] No
- 3] I don't know

- **Explanation**

Cable coming from +AN4 to yaw motor4 terminal box



- Check the incoming cable from Control panel (+AT2) to motor box (+AN4)
- Check the cable connection from motor box(+AN4) to Yaw motor 4 terminal box (W303)



To replace the yaw gear unit

Does this solve the problem?

1] Yes

2] No

3] I don't know

- **Explanation**
IN THE NACELLE:

- Remove the yaw motor with connection

Relevant documentation	
Description	DMS No.
Mounting Hat on Yaw Motor 6	0004-5922
V82/NM82 Replacement of Yaw Motors	0011-5166
Replacement of Yaw Gear Unit	0010-5073

Keep the yaw motor safely

- Check the oil level in gears. If necessary, top up yaw gears with correct type of oil.
- Master Reset the WTG and Switch on yaw controller.
- To make ensure yaw gear rotate or not.
- To ensure rotate the yaw gear unit and listen abnormal noise of any kind.
- If not rotate the yaw gear unit or create abnormal noise, change the yaw gear unit as per WKI.
- To ensure yaw gear unit bed bolt torque value as per I & S data

Relevant spare parts	
Description	Item No.
Yaw gear Bonfiglioli 709T4F 0	60103371

Picture view yaw gear:



Replace the defect Tower TOI unit.

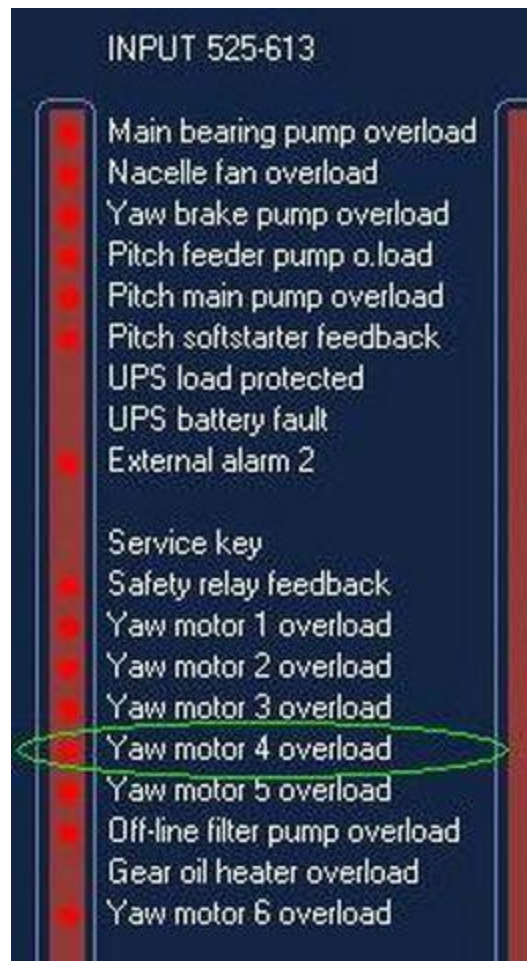
Does this solve the problem?

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

• **Explanation**

Observation Points:

- Change the TOI if no signal from TOI
- To check tightness of the connection.



TOI Controller:



[illegible]

Relevant documentation	
Description	DMS No.
Replacement of Electrical parts in Control Panels	0001-8388
Replacement of Electrical parts in Control Panels	0001-8390

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

