

Check the connections and restore the supply

Does this solve the problem?

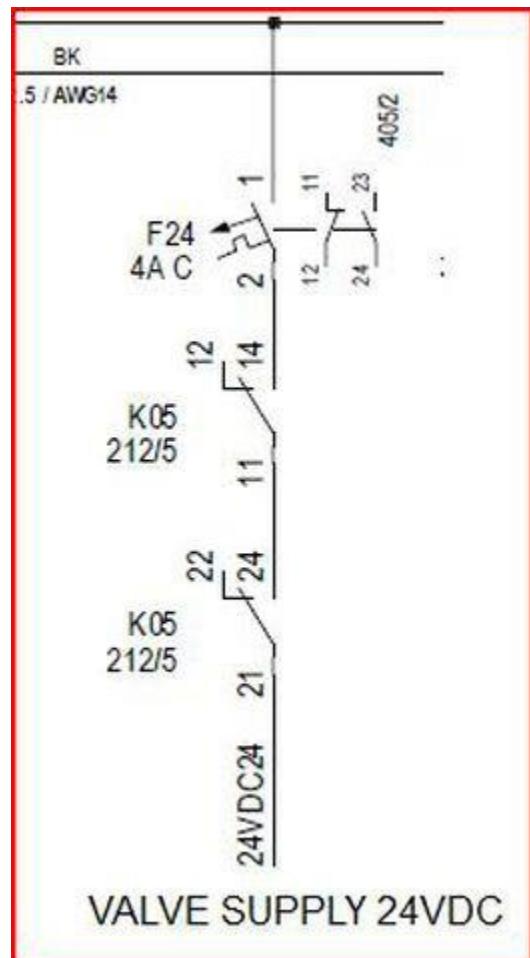
- 1] Yes
 - 2] No
 - 3] I don't know

- **Explanation
IN THE NACELLE:**

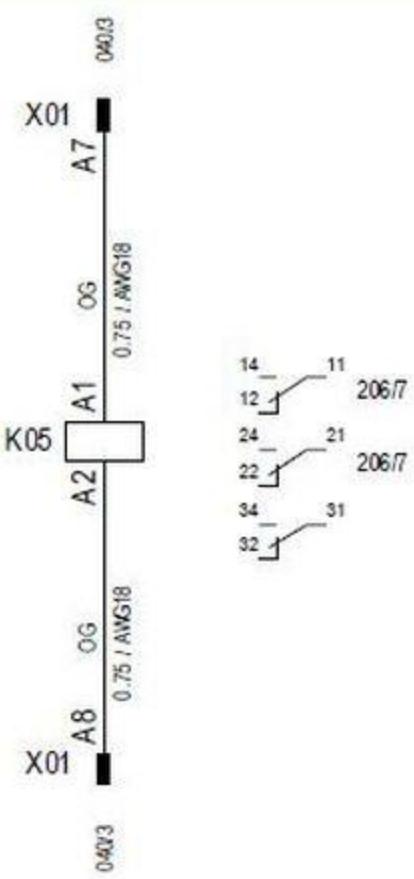
Check the K05 relay input supply from the safety line.

If the supply is not present, check for loose connections in the circuit.

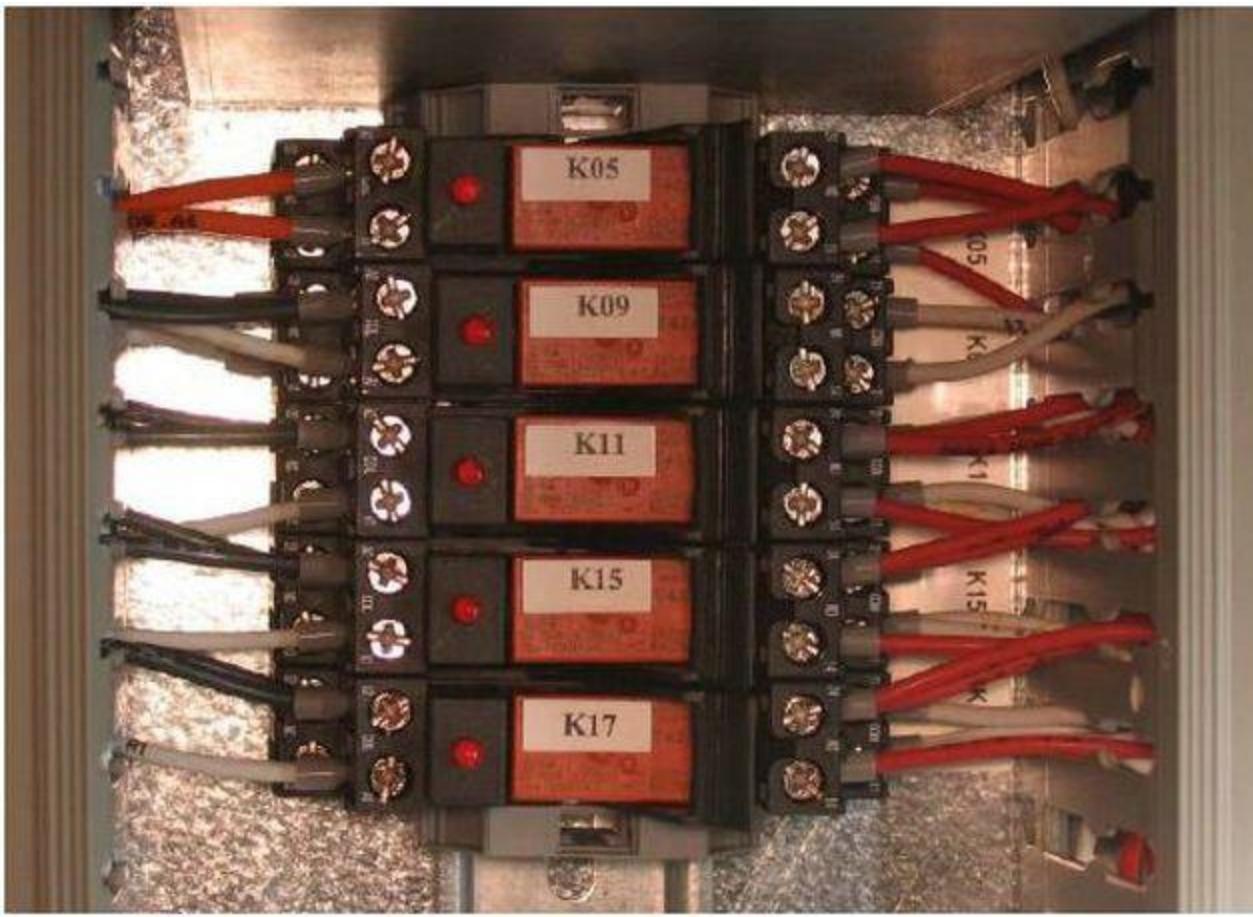
If K05 relay is found to be defective, replace with new.



SAFETY STOP



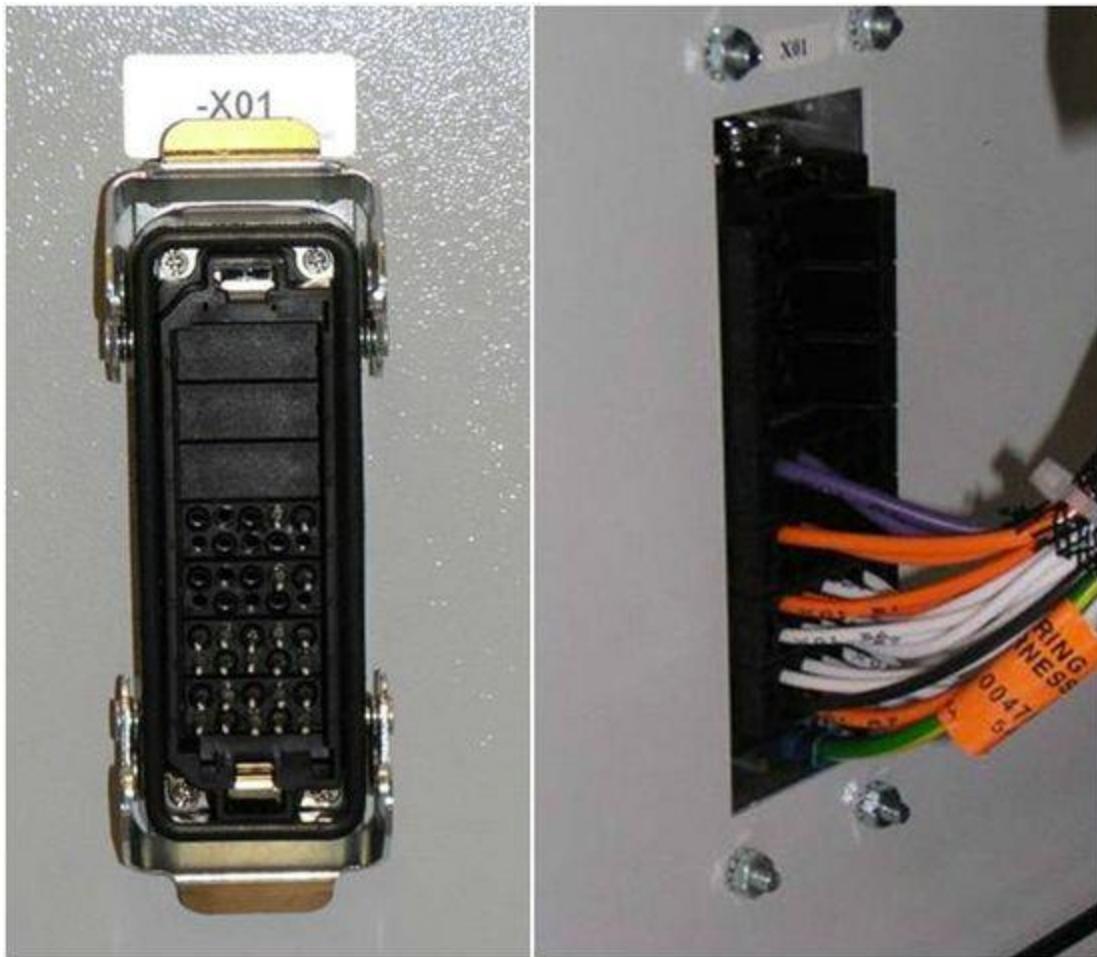
14 11
12 206/7
24 21
22 206/7
34 31
32 31



Relevant spare parts

Description	Item No.
RELAY RT424024 8A 24V 2P	60004513

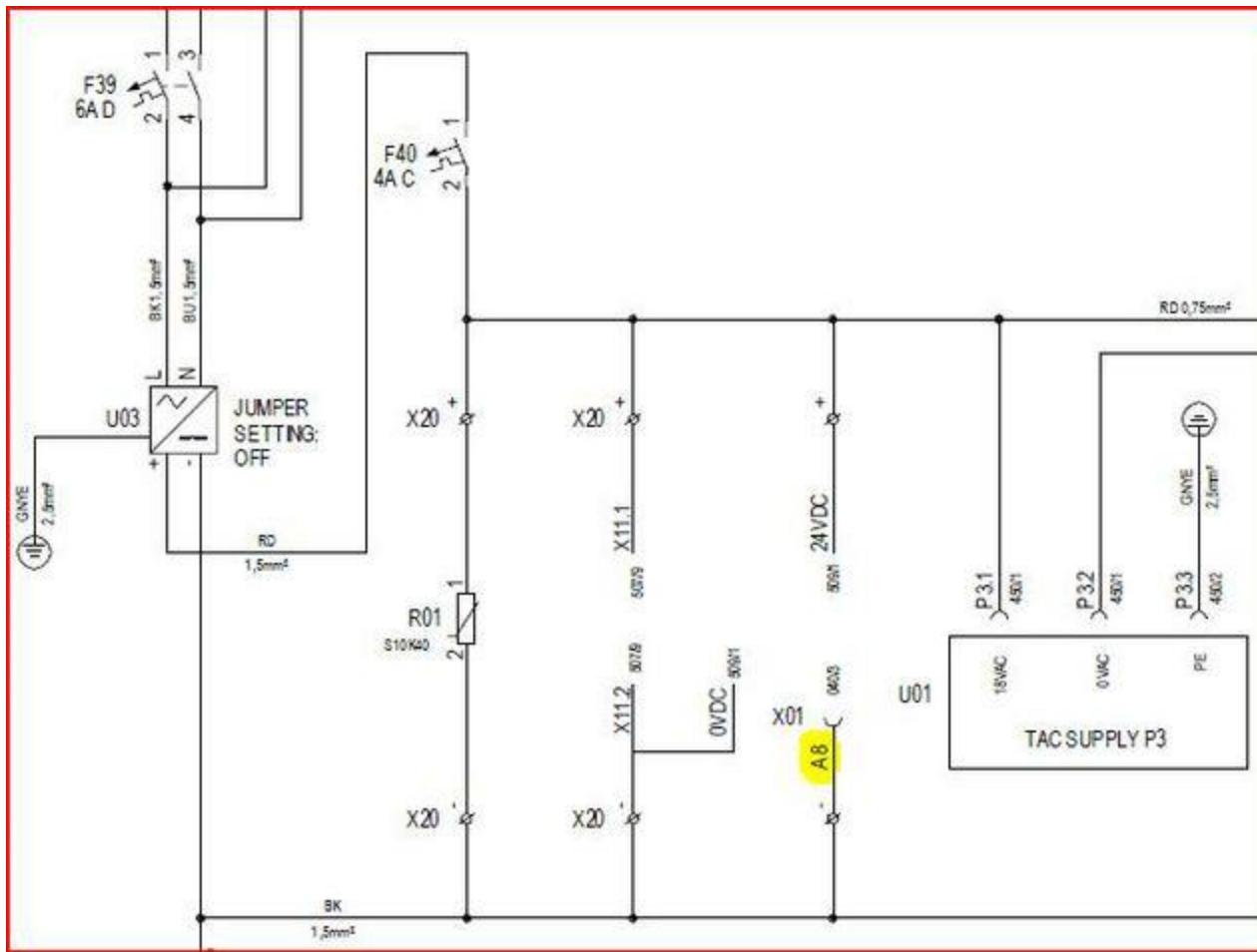
Check the panel input supply cable from the tower.

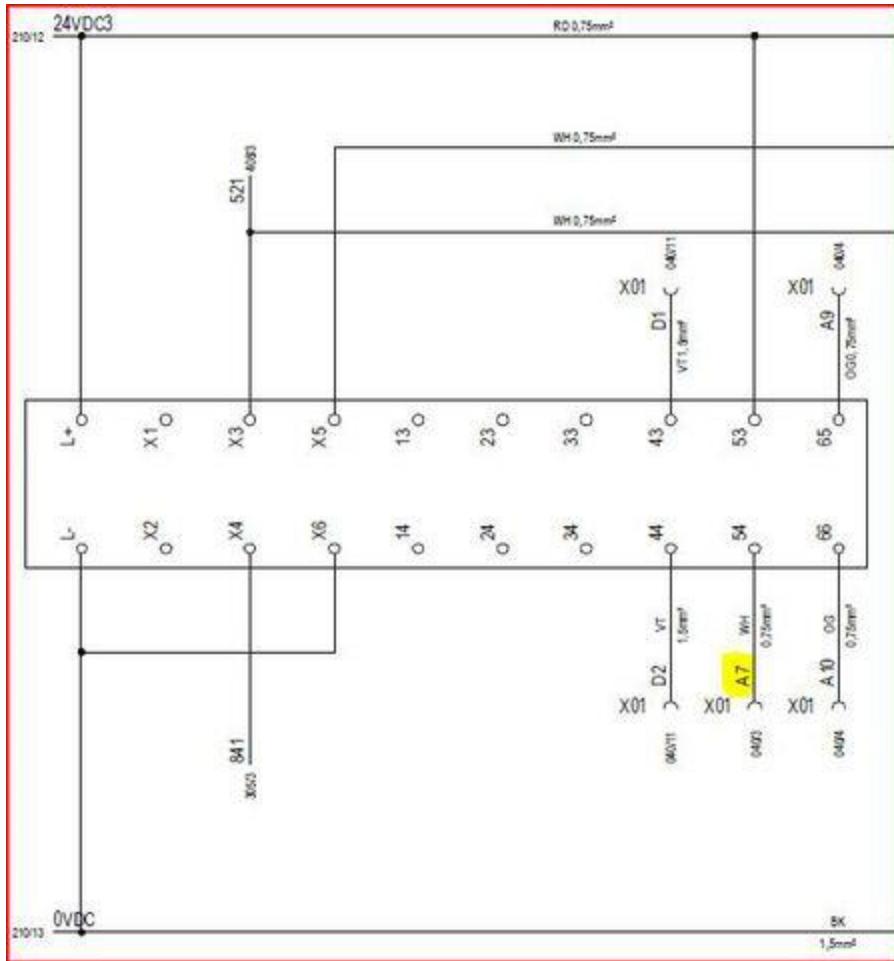


Check the relay input supply (A7, A8) from +AT2 panel.

Check for any loose connections.

Check the K01 relay operation and 54, 53 terminals for loose connections.





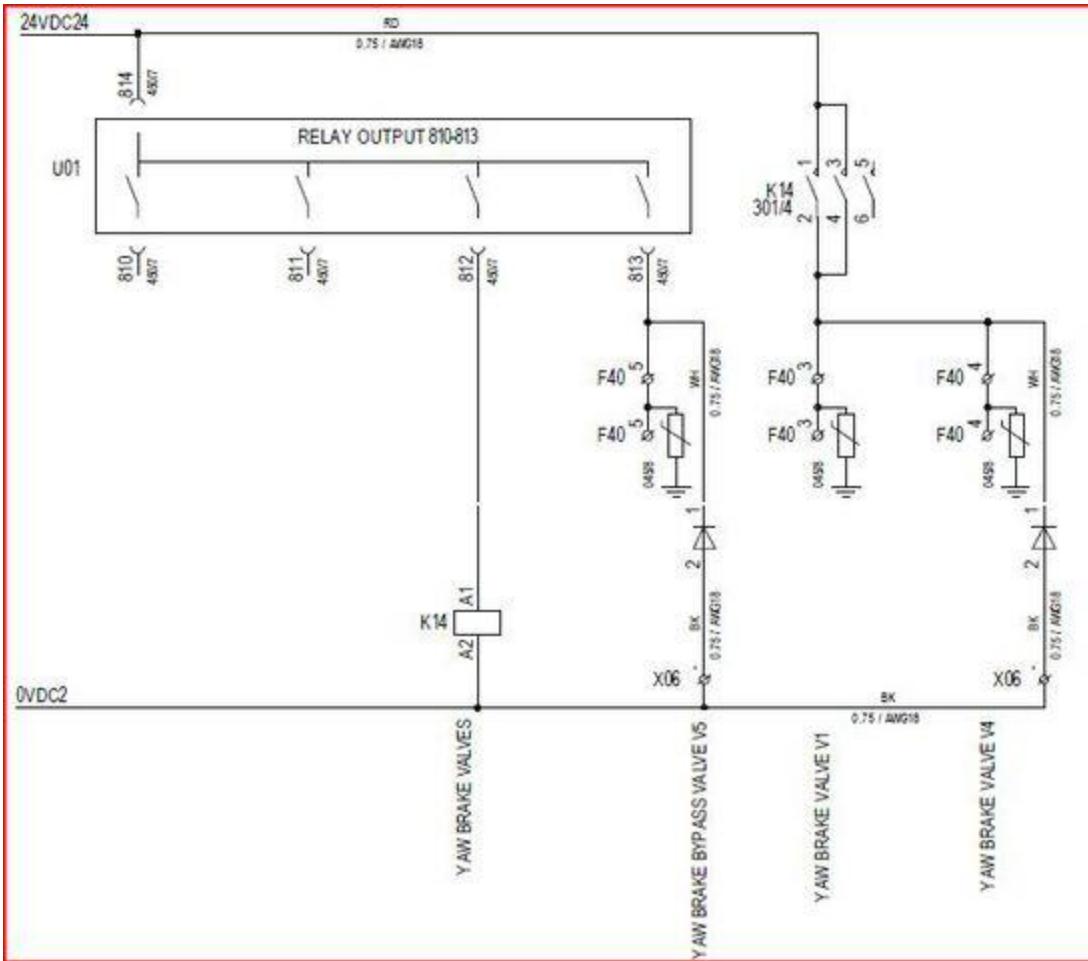
Check the valve supply and restore the supply

Does this solve the problem?

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

- **Explanation**
IN THE NACELLE:

Check the K14 contactor for any loose connections and function.



K14 Contactor:



If contactor is found to be defective, replace with new.

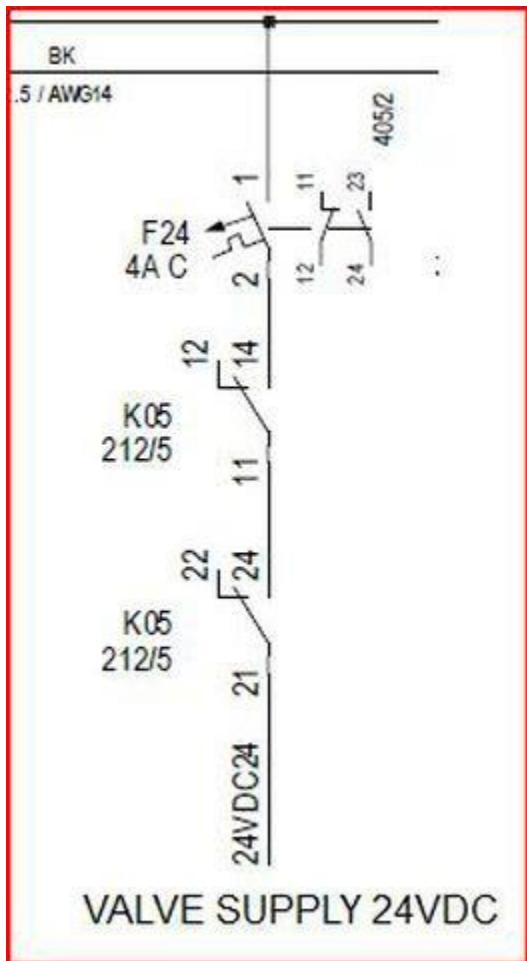
Relevant spare parts	
Description	Item No.
DIODE 3RT1916-1LM00 24-70V	60004452
CONT 3RT1016-1BB41 24V DC	60004391

K05 Relay:

Check the K05 relay, input and output supply.

Check the F24 MCB for any problems.

If the relay is found to be defective, replace with new.

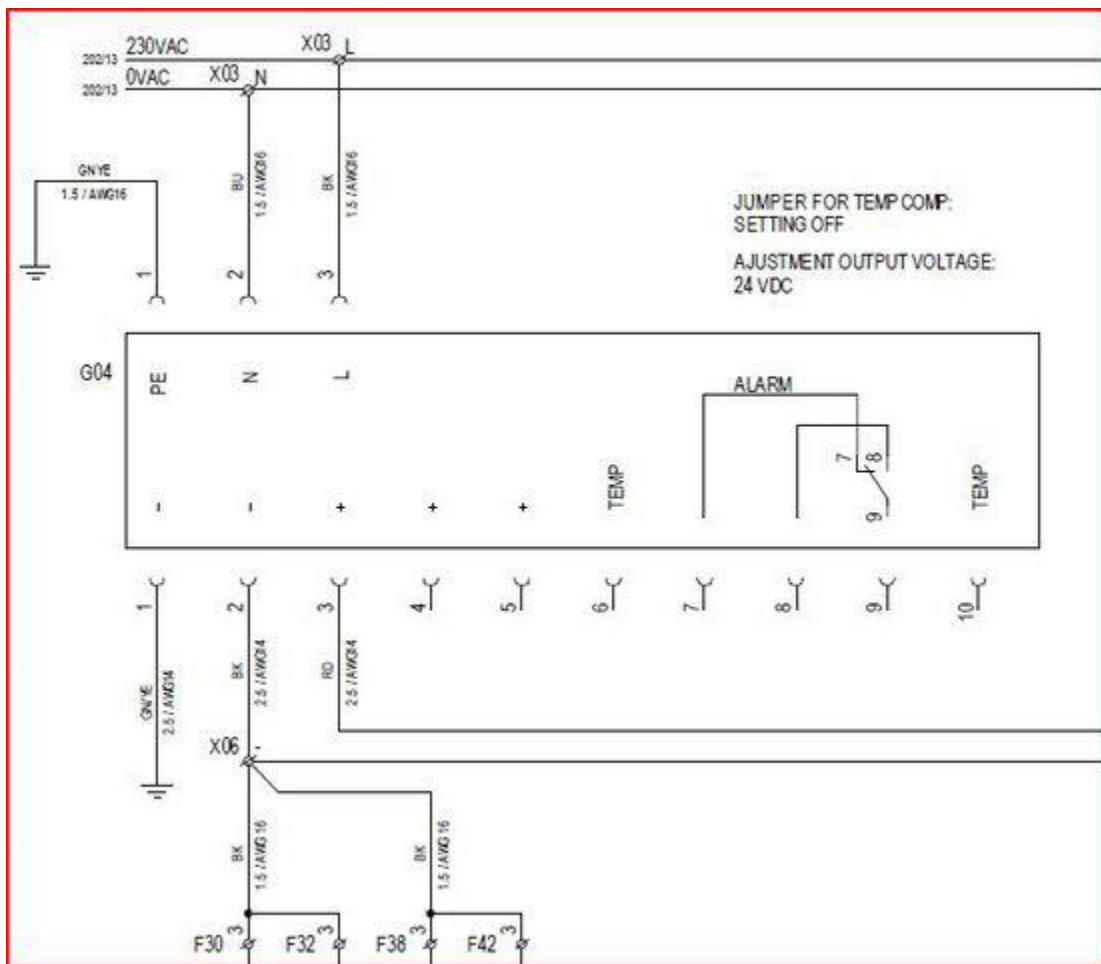


Relevant spare parts	
Description	Item No.

RELAY RT424024 8A 24V 2P [60004513](#)

Power net G04:

Check the power nut G04 INPUT/OUTPUT supply







Relevant spare parts

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

Relevant CIM case

CIM case	Task list	SWI

<u>1390</u>		
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Check the filter and replace dirty filters

Does this solve the problem?

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

- **Explanation**

IN THE NACELLE – PARKER:

Check in-line filters for any physical damage.

Check the filter cleanliness, if the filter is found to be dirty, replace with new.

Relevant spare parts – Online Filter	
Description	Item No.
FILTER ELEMENT 928935Q	<u>60104029</u>



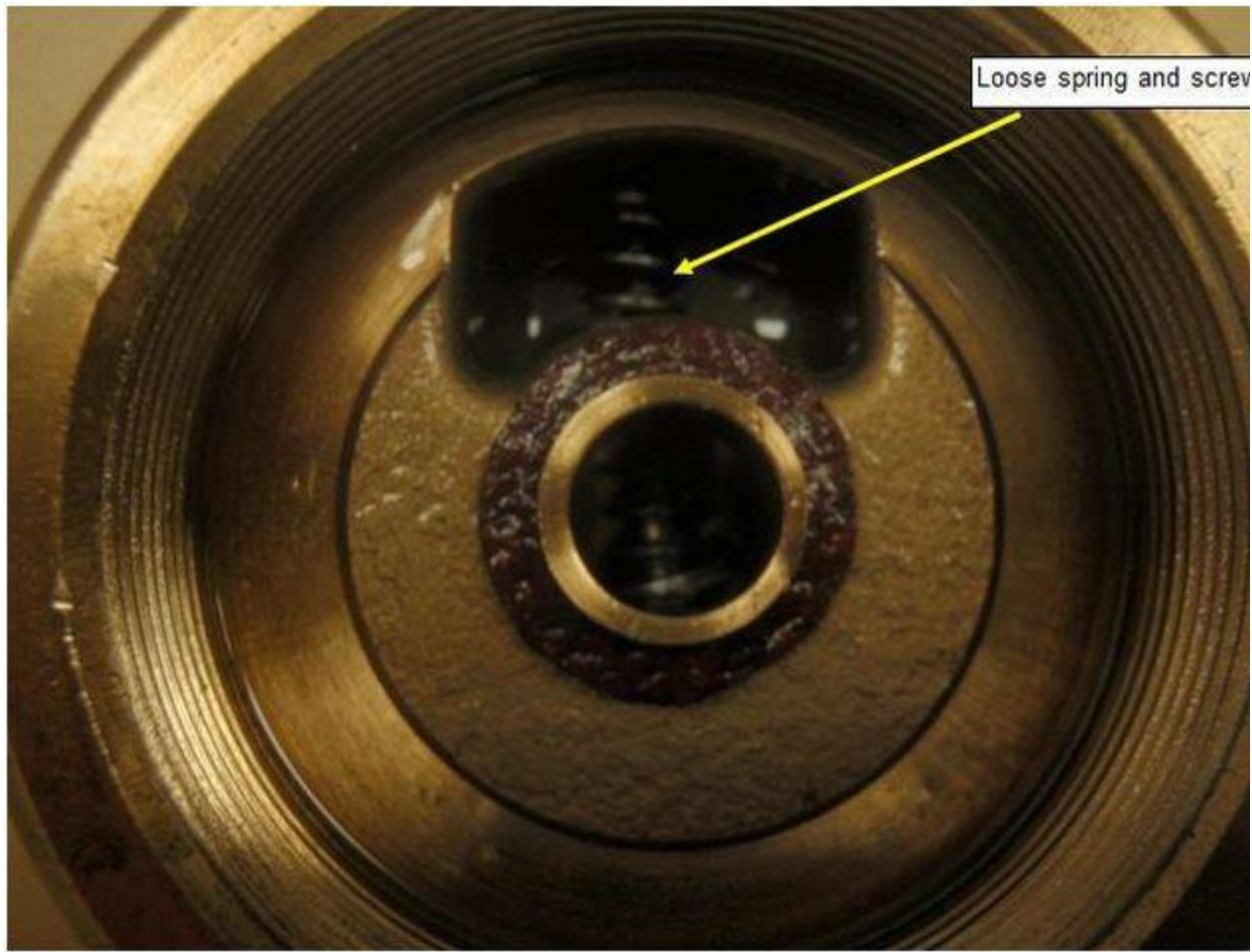
Relevant spare parts – Return line Filter

Description	Item No.
FILTER ELEMENT HPR.1619 (filter alone)	60111969

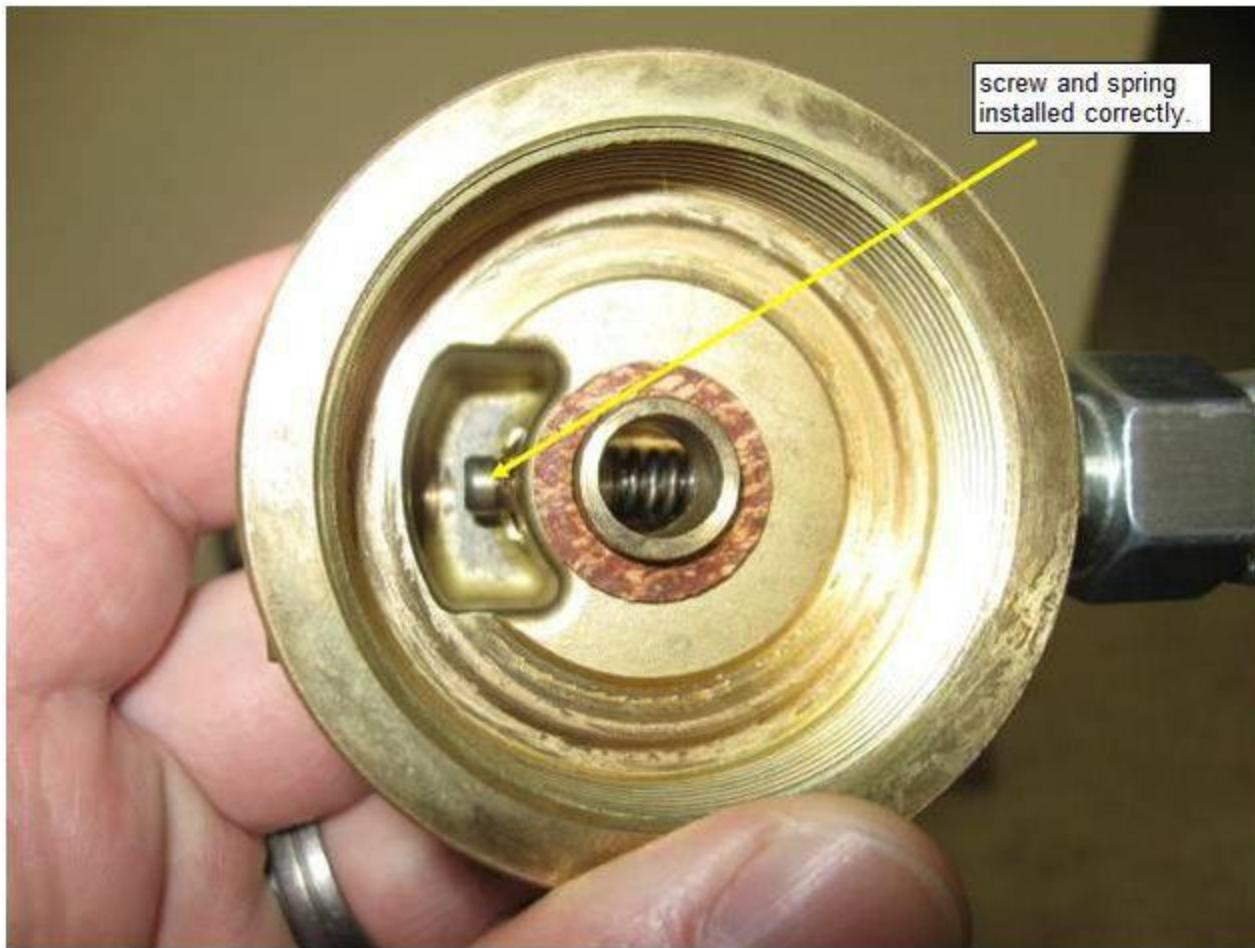


Ensure the return line filter set is mounted correctly and check that the filter by-pass screw is not loose.





Loose spring and screw



Relevant spare parts

Description	Item No.
FILTER MINI PRESSURE HPA.1619. (Whole Unit)	60111968
AVN-Combi FLTR ELEMENT F. HYDR STATION	60078911

60078911-FLTR ELEMENT F. HYDR STATION



Relevant documentation	
Description	DMS No.
Flushing the Yaw Brake Callipers	0034-5670

Check if the hydraulic unit needs CIM1106 upgrade (Replacement of coils and pump).

Relevant CIM case		
CIM case	Task list	SWI
1106	10953	0002-2344
	10956	
	10957	

Relevant spare parts	
Description	Item No.
KIT FOR V82 HYDR YAW BRAKE	880805

Replace the defective solenoid valves

Does this solve the problem?

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

- **Explanation**
IN THE NACELLE - PARKER SYSTEM:

Check the solenoid valve and troubleshoot solenoid valves for function.

Check Solenoid valves supply, If found solenoid valve is defect, replace it

Check the **0.16** pressure relief valve setting as per I&S data. The setting depends on the brake pad type.

Relevant spare parts	
Description	Item No.
DIRECT VALVE N.C. 2/2 DSL-08-1 (0.14 & 0.17)	60104031
VLV DIRECT NO 2/2 DSL-08-1-CR (0.18)	60104034
VALVE RELIEF RDH-08-2-S-30 69- (0.12)	60104030

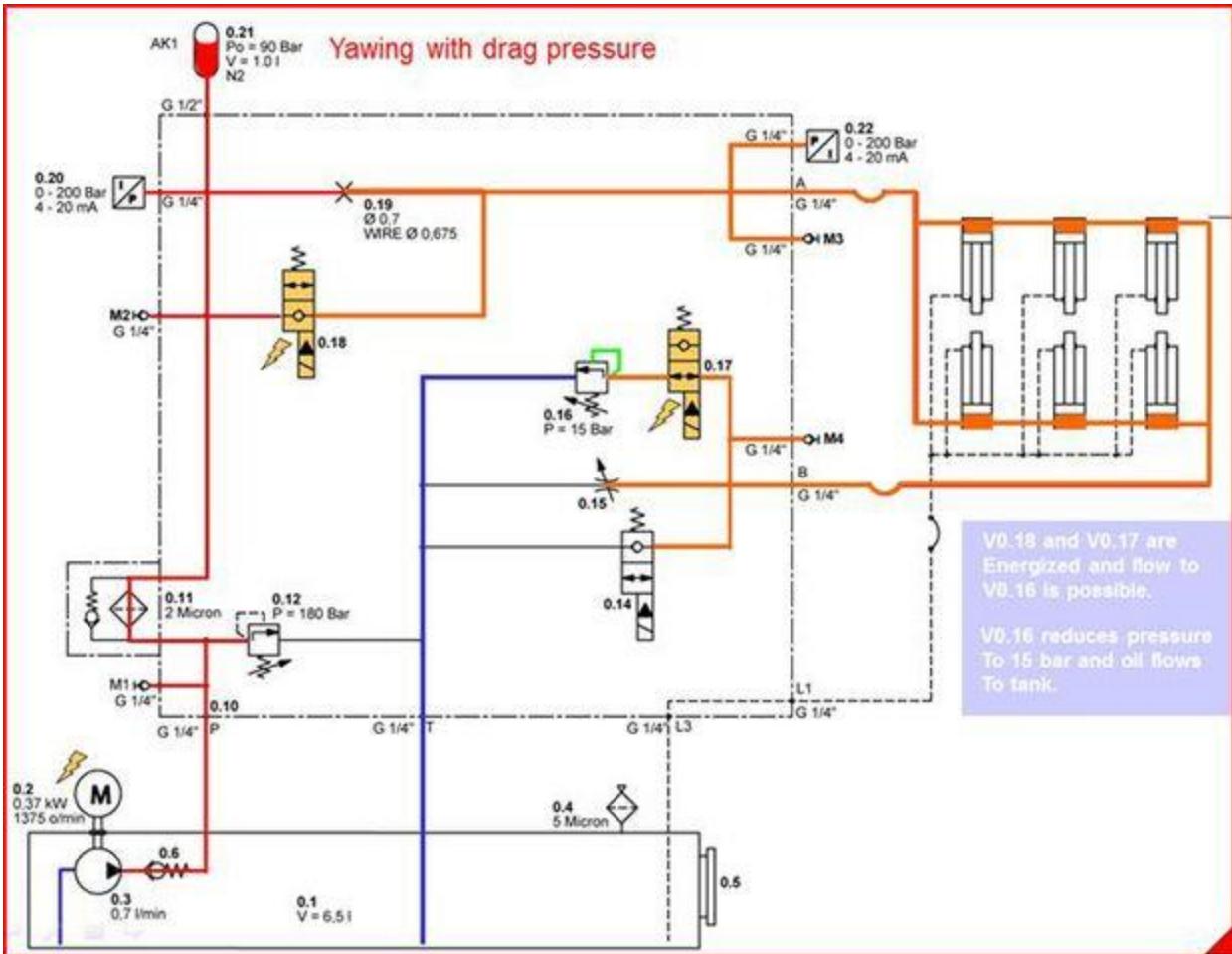
RELIEF VALVE RDH-08-1-S-10 6,9 (0.16)

[60104033](#)

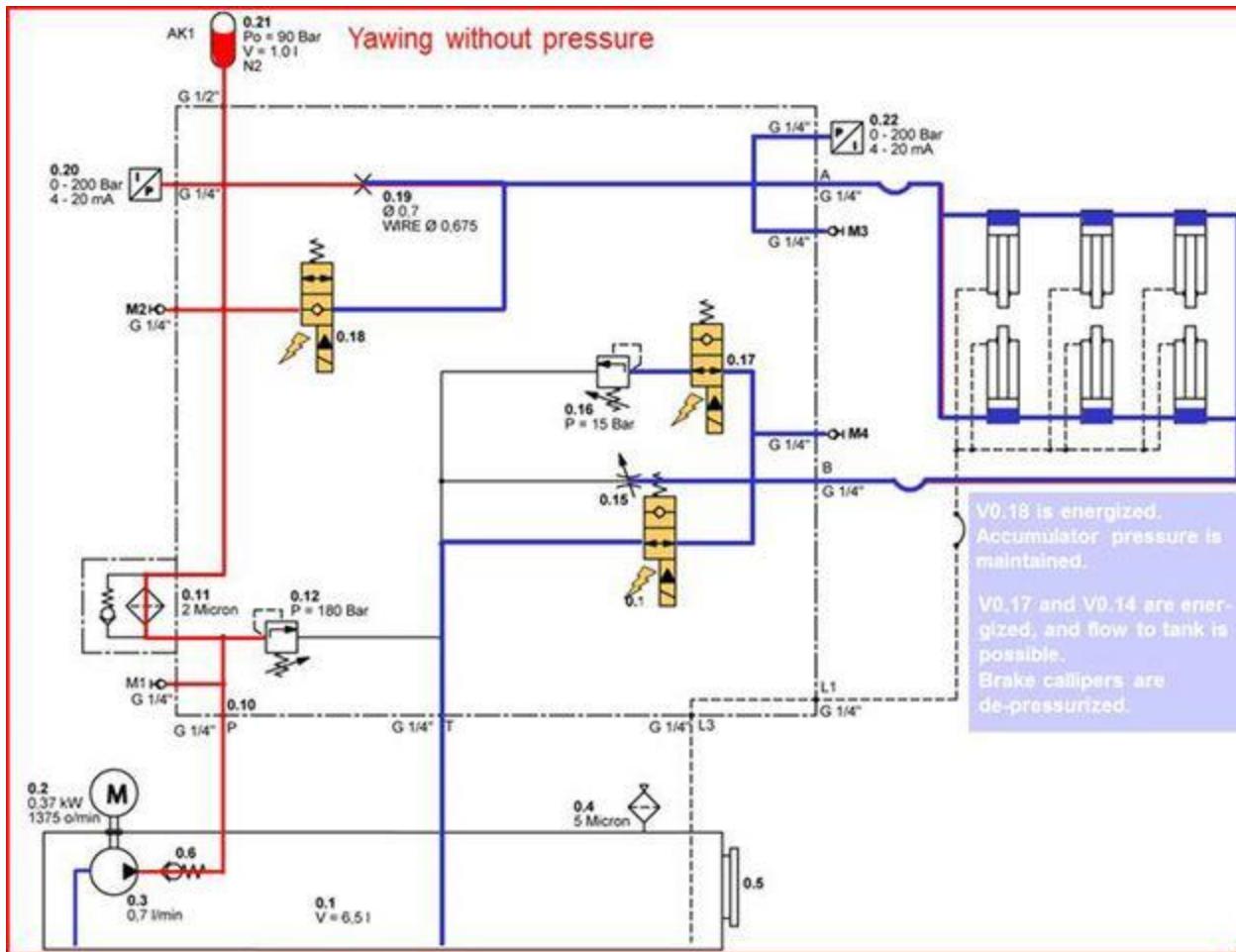


For relief valve setting refer installation and service date.

Parker system with drag pressure:



Parker system with no (zero) pressure:



COMBI (AVN) SYSTEM:

Check the solenoid valve and troubleshoot solenoid valves for correct function.

Check the solenoid valve supply, if the solenoid valve is found to be defective, replace with new.

Check the **POS: 13** pressure relief valve setting as per I&S data. The setting depends on the brake pad type.

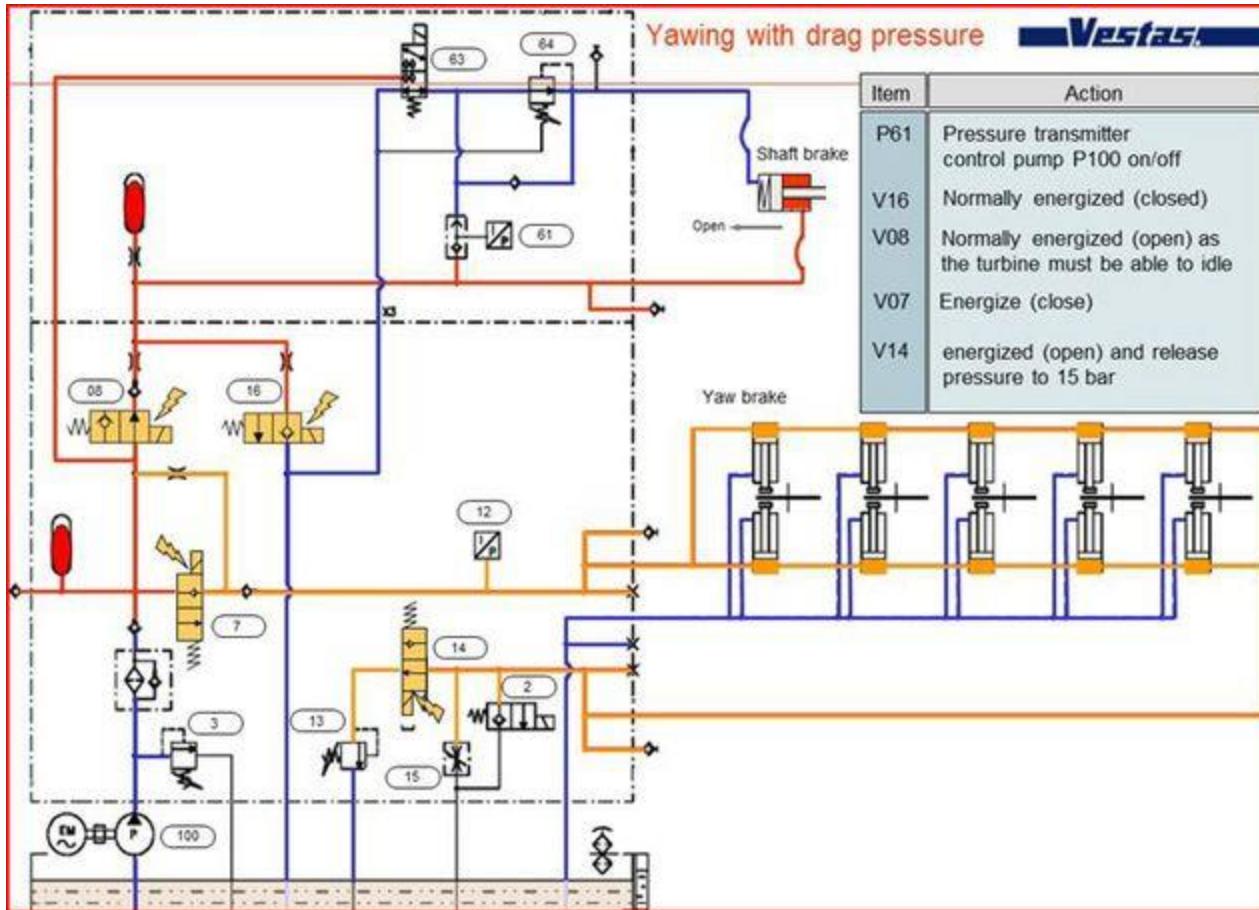
Relevant spare parts

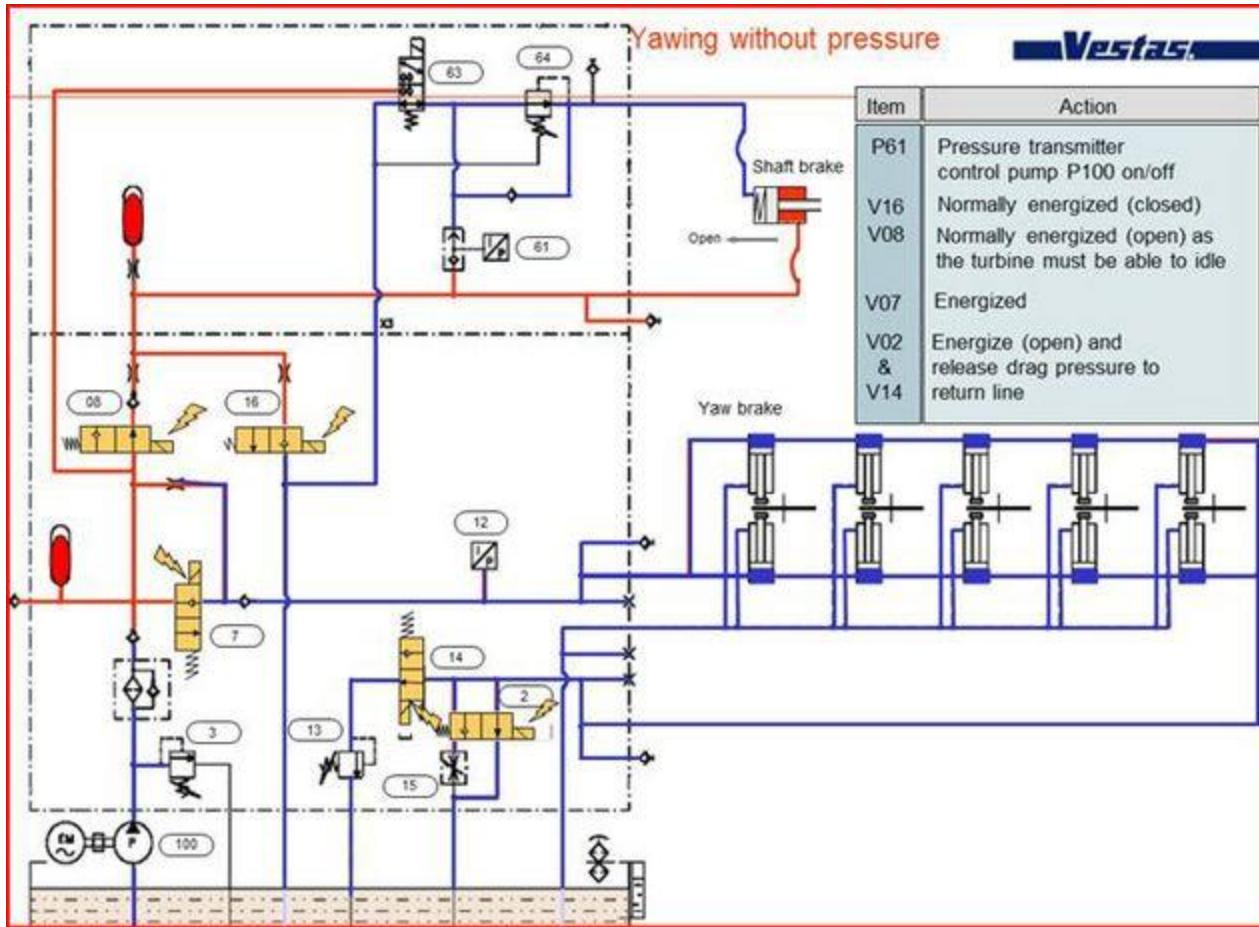
Description	Item No.
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SOLENOID VAL NC OD150118310005 (08,14,02)	60095079
VALVE SOLENOID NO OD1502181ISO (07, 16)	60095081
RELIEF VALVE VM 15 (03,13)	60061370
PRESSURE REDUCING VALVE (64)	60100977



AVN system with drag pressure:





Relevant documentation

Description	DMS No.
SI-Parker yaw brake hydraulics	1001388
AVN (Combi) - Service disc brake/yaw brake hydraulics	1001076

Recharge the accumulators or replace the accumulators

Does this solve the problem?

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

• **Explanation**
IN THE NACELLE:

Check the pre-charge of accumulator.

If the pressure is low – recharge the accumulator.



Refer Doc 941918 Charging of Nitrogen Accumulators for instructions. Reference the following service instructions

depending on which type the turbine is equipped with:

Relevant documentation	
Description	DMS No.
Charging of Nitrogen Accumulators	941918

Relevant spare parts	
Description	Item No.
ACCUMULATOR ADE100-20R9A2 1.0L (90 bar) - Parker	60108198
ACCUMULATOR INTE. D1.0-200 (45 bar) – AVN-COMBI	60097871
ACCUMULATOR INTE. D1.0-200 (90 bar) – AVN-COMBI	60097868

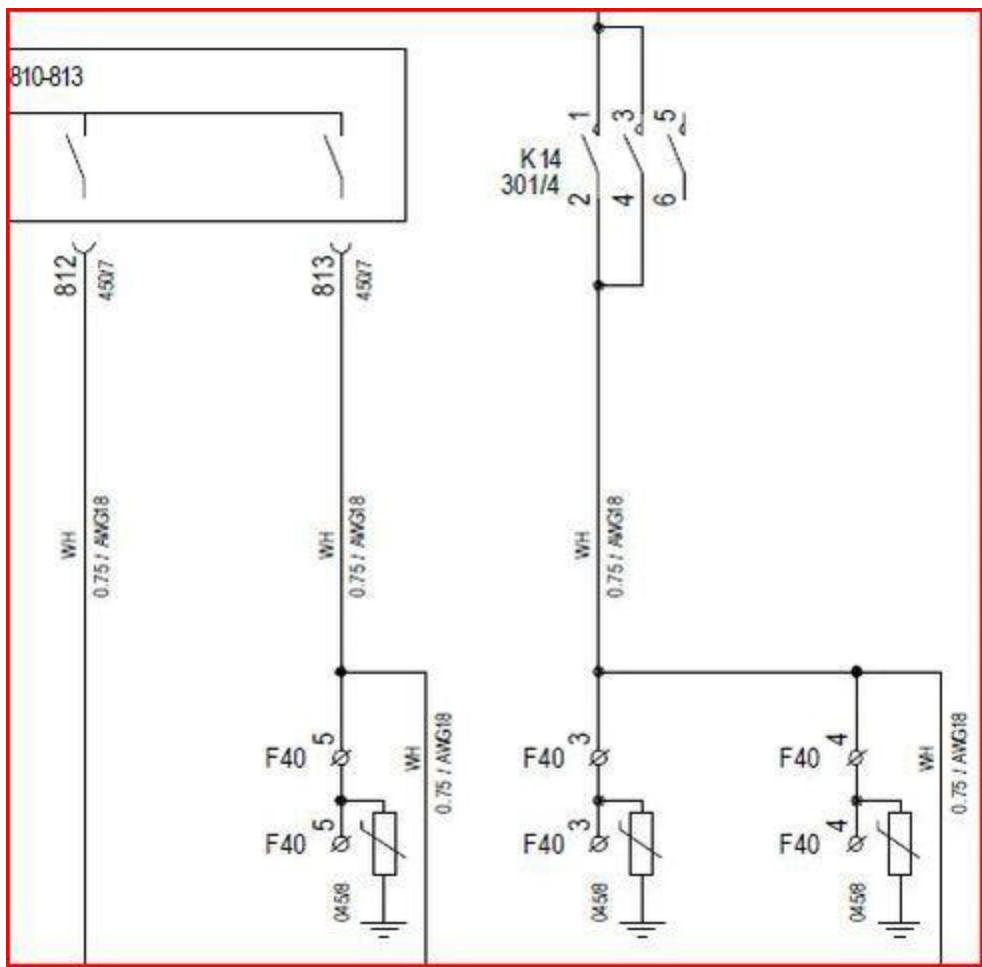
Check and replace the defective varistor and/or defective TOI

Does this solve the problem?

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

- **Explanation**
IN THE +AN1 CABINET:

Varistors (F40) can be tested individually by placing a multimeter (set to measure Ω) lead on the common (earth) side of the varistors and the other on the individual varistor terminals. The resistance value over the varistor should be ∞ or in the high $M\Omega$ range. If the resistance is lower, the varistor has been damaged by an over voltage in the circuit and must be replaced





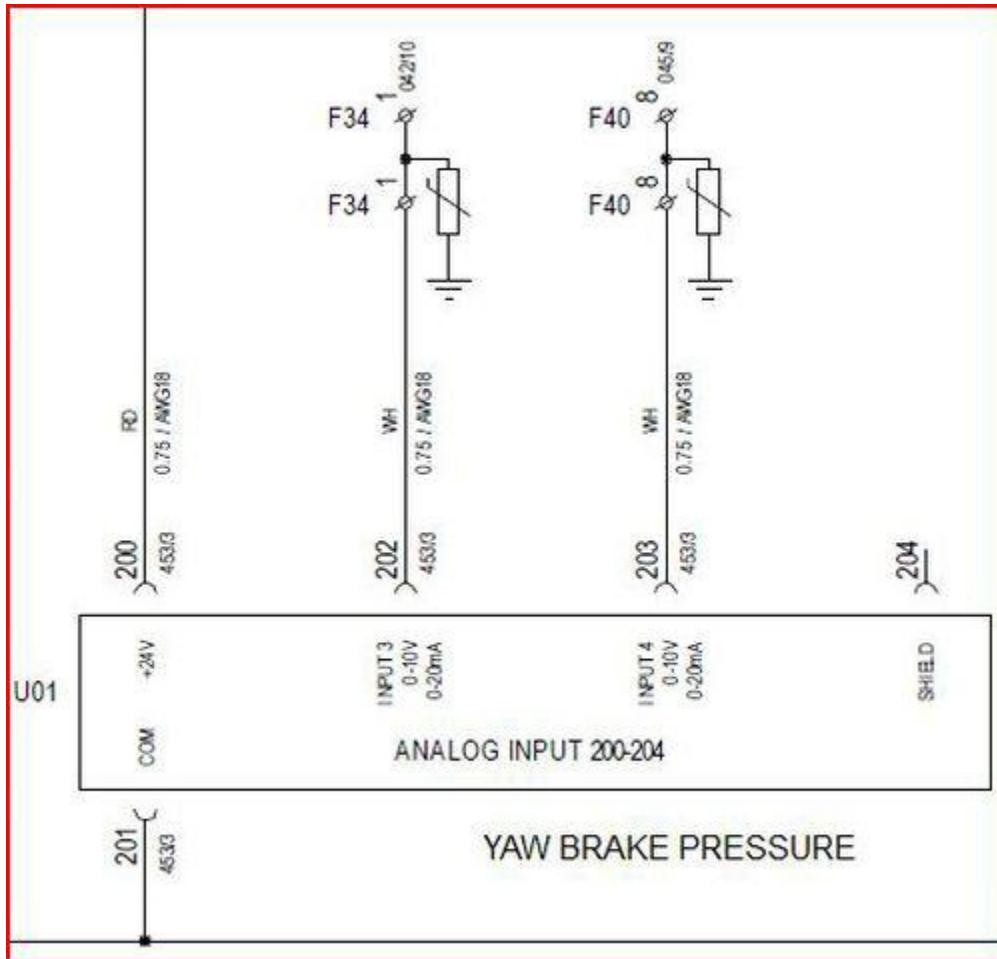
Press the clip on top and bottom of the varistor box and remove the varistor assembly from housing: The varistor box is made up of eight varistors and has provisions for 16 wire connections (protection for 8 signals).

Relevant spare parts	
Description	Item No.
VARISTOR BOX X8	51706201

Check the top TOI unit output 812 and 813 for loose connections.

Check the yaw brake pressure input terminal for any malfunction.

If the TOI is found to be defective, replace with new.



Relevant spare parts

Description	Item No.
TOI-II INTERF EXT POC	51701601

Check the Manifold operation and replace if found not working

Does this solve the problem?

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

• **Explanation**

Malfunctioning of Hydraulic unit will cause this error.



Relevant spare parts

Description	Item No.

HYDR UNIT YAW SYST

60108610