

AG-MI-2014-05-C-EN – Fuel Pump Relay

Category **C**

EFFECTIVE DATE

14.11.2014

SUPERSEDES/REPLACES

N/A (initial issue)

APPLICABILITY

Calidus serial numbers C00282 up to and including C00357 and Cavalon serial numbers V00134 up to and including V00179

COMPLIANCE

To be performed within the next maintenance event.

BACKGROUND

Improvement of reliability

RISK OF NEGLECT

Failure to comply with this instruction/information will result in

- possible damage to the aircraft
- loss of related warranty

SCOPE OF WORK

Inspect configuration state of fuel pump relay and replace with improved version, if required.

AFFECTED AREAS

N/A

SPECIAL TOOLS & CONSUMABLE MATERIALS

PARTS

C.EL902.03.01	Relay 12V	(Calidus)
V.EL901.02.01	Relay 12V	(Cavalon)

LABOR AND REQUIREMENTS

To inspect 0.1 h

To accomplish 0.1 h

Task may only be performed by an organization or individual trained and entitled to do 'Line Maintenance' or by the aircraft holder.

SUPPORT POLICY

Parts f.o.c.

REFERENCES

Manufacturer Maintenance Manual (MMM) in latest revision.

DOCUMENTATION

The accomplishment of this Manufacturer Information, or the decision of its rejection, must be properly documented, if such procedure is required by the relevant authority.

Warnings Caution and Notes

This instruction uses **WARNINGS**, **CAUTIONS** and **NOTES** in bold italic letters to indicate especially critical and important instructions. The call-outs appear at the top of the Maintenance Job Card if of general nature or applicable for the complete task, or will directly precede the individual Work Step.

The meaning of each call-out is defined below:

WARNING: A warning means that the neglect of the appropriate procedure or condition could result in personal injury or fatal accidents.

CAUTION: A caution means that the neglect of the appropriate procedure or condition could result in damage to or destruction of equipment.

NOTE: A note stresses the attention for a special circumstance, which is essential to emphasize.

Category Codes

- A** Safety critical - failure to comply may result in a significant reduction of flight safety, injury or death
- B** Important - failure to comply may result in reduced safety margin, injury and/or equipment damage
- C** Beneficial - improves operating behaviour, reliability and/or maintainability

COMPLIANCE PROCEDURE

GENERAL, REFERENCES AND REQUIREMENTS

Task may only be performed by an organization trained and entitled to do 'Line Maintenance' or by the aircraft holder.

Cowlings must be removed, see MMM 52-40-00 4-1 Removal-Installation: Cowlings

Cavalon: Fire Wall must be removed, see MMM – 71-30-00 4-1 Removal-Installation: Fire Wall

Secure gyroplane against unauthorized or unintended operation!

Gyroplane must be placed on level ground and restrained (blocks, chocks)

SPECIAL TOOLS, CONSUMABLE MATERIALS AND PARTS

PRECAUTIONS AND SAFETY MEASURES

Battery must be disconnected, see 24-30-00 4-1, steps 1-2

WARNING Electrical shortcuts will produce high current with the risk of personal injury and damage to equipment!

PROCEDURES

- 1 Count amount of contact pins of the fuel pump relay (Fig. 1)
- 2 5 contact pins: Replace relay by new relay (C.EL902.03.01 / V.EL901.02.01), connect wires to the same contact pins, alike the old relay - **respect numeration of the relay contact pins!**
- 3 4 contact pins: No action required

PARTS LIST

Fig.	Pos.	Description	PC PIT	Remark
	1	Relay 12V	L0 C.EL902.03.01	(Calidus)
	2	Relay 12V	L0 V.EL901.02.01	(Cavalon)

ILLUSTRATIONS

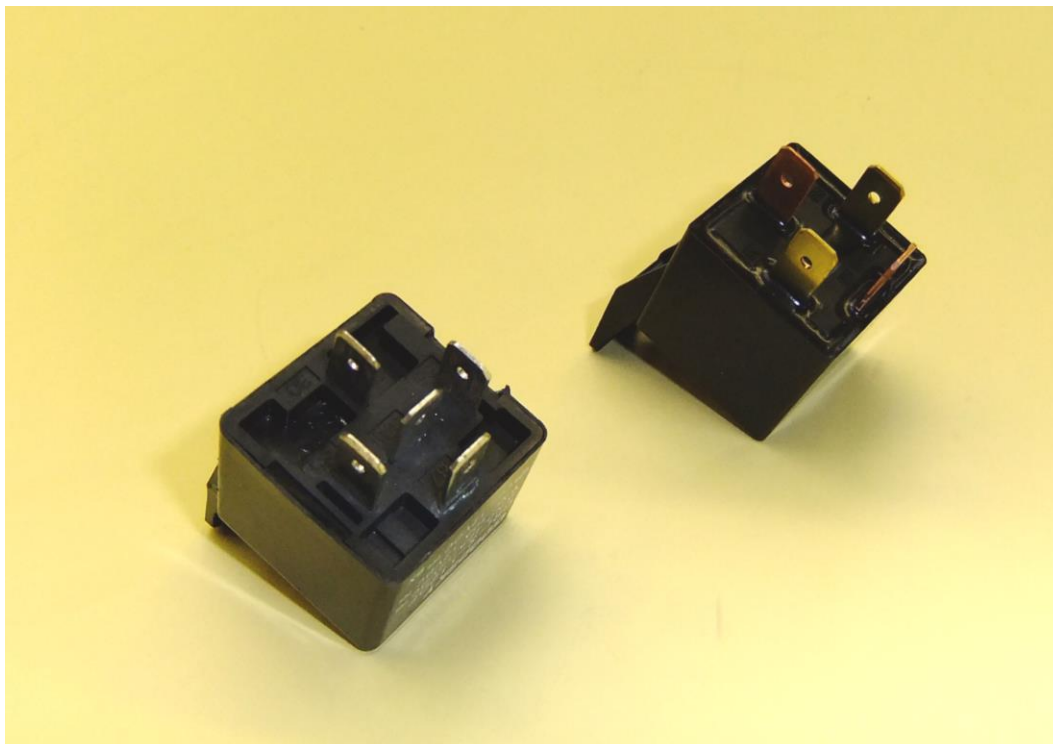


Fig. 1 – Relay with 5 contact pins (left hand/relay to be replaced) and with 4 contact pins (right hand/improved relay)

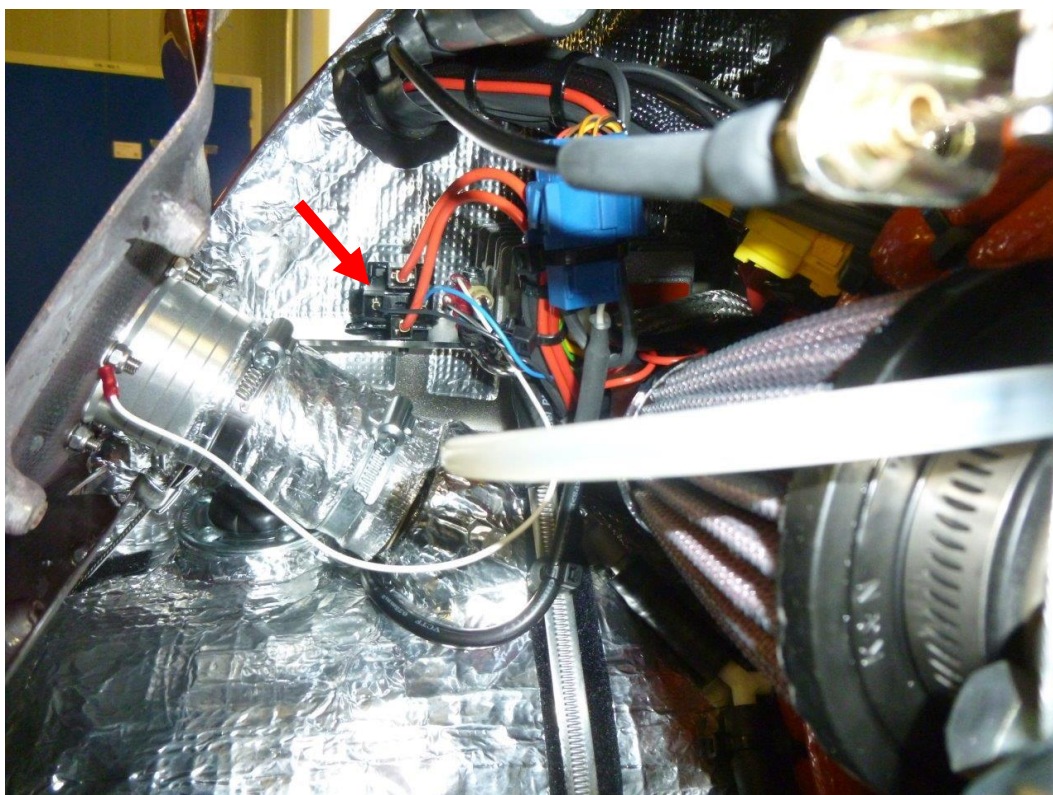


Fig. 2 – Position of the fuel pump relay (Calidus)



Fig. 3 – Position of the fuel pump relay (Cavalon)