

AG-SB-2016-03-B-EN – Replacement Oil Pump Adaptor

Category B

EFFECTIVE DATE

10.05.2016

SUPERSEDES/REPLACES

N/A (initial issue)

APPLICABILITY

This Service Bulletin is applicable for all Calidus, Cavalon and MTOsport.

COMPLIANCE

To be performed with the next maintenance or at latest within the next 10 operating hours.

BACKGROUND

A case was found during service of an overtightened adaptor leading to a breakage. This change introduces a part less likely to break in service.

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

- Replacement of oil pump adaptor.

AFFECTED AREAS

N/A

SPECIAL TOOLS & CONSUMABLE MATERIALS

88-00-00-S-30488 (L1) Loctite 542

PARTS

71-00-00-S-42799 (L1) Conversion Kit Oil pressure switch

LABOR AND REQUIREMENTS

To accomplish 1 h

Task may only be performed by an organization or individual trained and entitled to do 'Line Maintenance'!

SUPPORT POLICY

Parts are free of charge

REFERENCES

Manufacturer Maintenance Manual (MMM) in latest revision.

ROTAX Maintenance Manual (Heavy Maintenance) for ROTAX Engine Type 912 and 914 Series

DOCUMENTATION

The accomplishment of this Service Bulletin, 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

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COMPLIANCE PROCEDURE

GENERAL, REFERENCES AND REQUIREMENTS

Task may only be performed by an organization or individual entitled and trained to do line maintenance.
 Secure gyroplane against unauthorized or unintended operation.
 Execute procedure only in cold engine condition.
 Remove engine cowlings, according to chapter 52-00-00 4-1

SPECIAL TOOLS, CONSUMABLE MATERIALS AND PARTS

SP **IMPORTANT NOTE:** Procedure involves spare parts. Check parts list below for ordering details of affected components!
 88-00-00-S-30488 (L1) Loctite 542

PRECAUTIONS AND SAFETY MEASURES

CAUTION: Failure to comply with this instruction will cause the loss of warranty referred and/or related components!

NOTE: Procedure involves handling and disposal of special materials. For your health and environmental aspects respect all applicable regulations!

NOTE: Absolute cleanliness at any time during execution of the procedure must be ensured

PROCEDURES

- 1 Remove the oil pressure switch connector (Fig.1).
- 2 Remove cable ties and spacer (Fig.1).
- 3 Remove the oil pressure switch, complete with the adaptor from the oil pump housing (Fig.1).
Caution: A small amount of oil will escape, be prepared to catch it!
- 4 Put the adaptor in a vice and unscrew the oil pressure switch. Clean the threads of the switch, the washer and the oil pump housing.
Note: Inspect the washer for possible damage!
- 5 Assemble and tighten the oil pressure switch, the washer to the new adaptor in a vice first. Apply Loctite 542 to the oil pressure switch (Fig.2).
- 6 Apply Loctite 542 to the adaptor and oil pump housing. Instal it with new copper seal ring and tighten it with a torque of 10 Nm.
- 7 Fix the cable with cable ties and spacer (Fig.1).
Effectivity: Calidus and Cavalon
- 8 Install engine cowlings, according to chapter 52-00-00 4-1.
Effectivity: End

PARTS LIST

Fig.	Pos.	Description	PC	PIT	Remark
		Conversion Kit Oil pressure switch	L1	71-00-00-S-42799	

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ILLUSTRATIONS

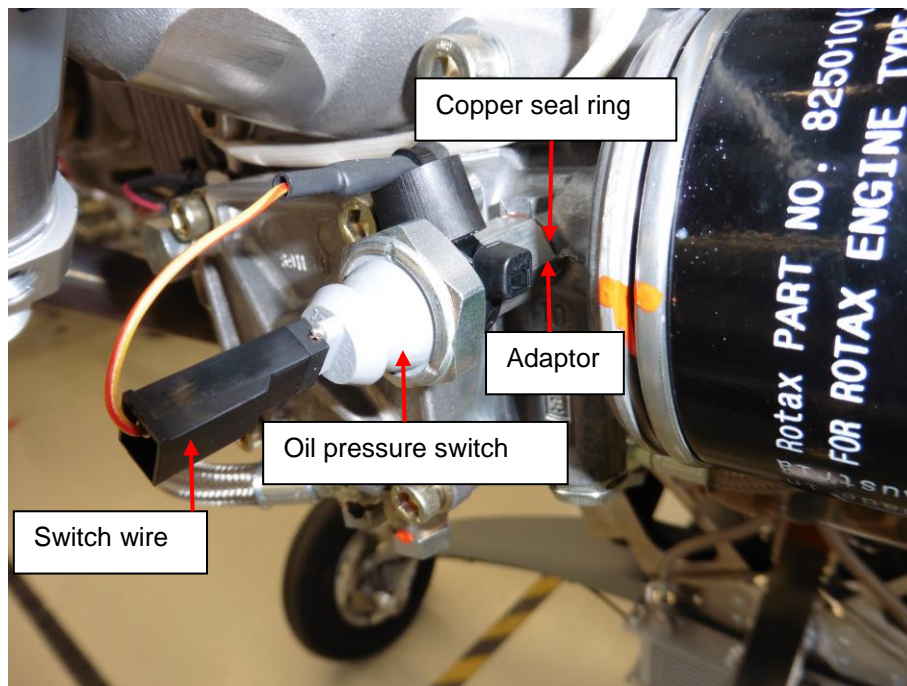


Fig.1 Oil pressure switch



Fig. 2 Apply Loctite 542