

AG-SB-2016-07-B-EN – Clamp water hose kit

Category B

EFFECTIVE DATE

12.10.2016

SUPERSEDES/REPLACES

N/A (initial issue)

APPLICABILITY

This Service Bulletin is applicable for all Calidus.

COMPLIANCE

To be performed with the next maintenance or at least within the next 5 operatin hours.

BACKGROUND

A new aircraft was found to have an inadequately clamped hose connection on the engine coolant pressure tank, allowing coolant loss. The cause was found to be variation in coolant hose wall thickness.

Whilst it is not believed that there are other cases in service, this service bulletin recommends that the security of this connection is checked. If considered questionable, then the 26mm clamp fitted is replaced with a 24mm clamp.

RISK OF NEGLECT

Failure to comply with this instruction/information will result in:

- Possible damage to the engine/aircraft
- Loss of related warranty.

SCOPE OF WORK

- Inspect the security of the clamped hose connection.
Rectify the connection as described in this SB as required.

AFFECTED AREAS

Water hose kit

SPECIAL TOOLS & CONSUMABLE MATERIALS

75-20-00-S-27659 (L0) Hose clamp 24

PARTS

n / a

LABOR AND REQUIREMENTS

To check 0,1 h

Inspection task may only be performed by an organization or individual entitled and trained to do line maintenance, or pilot.

Rectification task may only be performed by an organization or individual entitled and trained to do line maintenance.

SUPPORT POLICY

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REFERENCES

Manufacturer Maintenance Manual (MMM) in latest revision.

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

COMPLIANCE PROCEDURE

GENERAL, REFERENCES AND REQUIREMENTS

Inspection task may only be performed by an organization or individual entitled and trained to do line maintenance, or pilot.

Rectification task may only be performed by an organization or individual entitled and trained to do line maintenance.

Record that the task has been undertaken within the aircraft maintenance records.

Secure gyroplane against unauthorized or unintended operation.

Execute procedure only with a cold engine condition.

SPECIAL TOOLS, CONSUMABLE MATERIALS AND PARTS

SP IMPORTANT NOTE: Procedure involves spare parts. Check parts list below for ordering details of affected components!

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PRECAUTIONS AND SAFETY MEASURES

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

PROCEDURES

Only start the task if the coolant is cold, never when hot!

- 1 Inspection; Check that the two clamps at either end of the water hose connecting the pressure tank to the coolant system are fitted adjacent to, and not over, the retaining bead of the tank pipe, and can't be moved.

- 2 Rectification; If the clamp is incorrectly positioned, reposition and recheck the hose cannot be moved. If the hose and clamp are not secure, drain some coolant to allow the hose to be disconnected. Remove the hose, replace the two hose clamps with 24mm clamps and refit. Work in accordance with, and replenish the coolant in accordance with, the Aircraft Maintenance Manual.

PARTS LIST

Fig.	Pos.	Description	PC PIT	Remark
		Hose clamp	(L0) 75-20-00-S-27659	

ILLUSTRATIONS

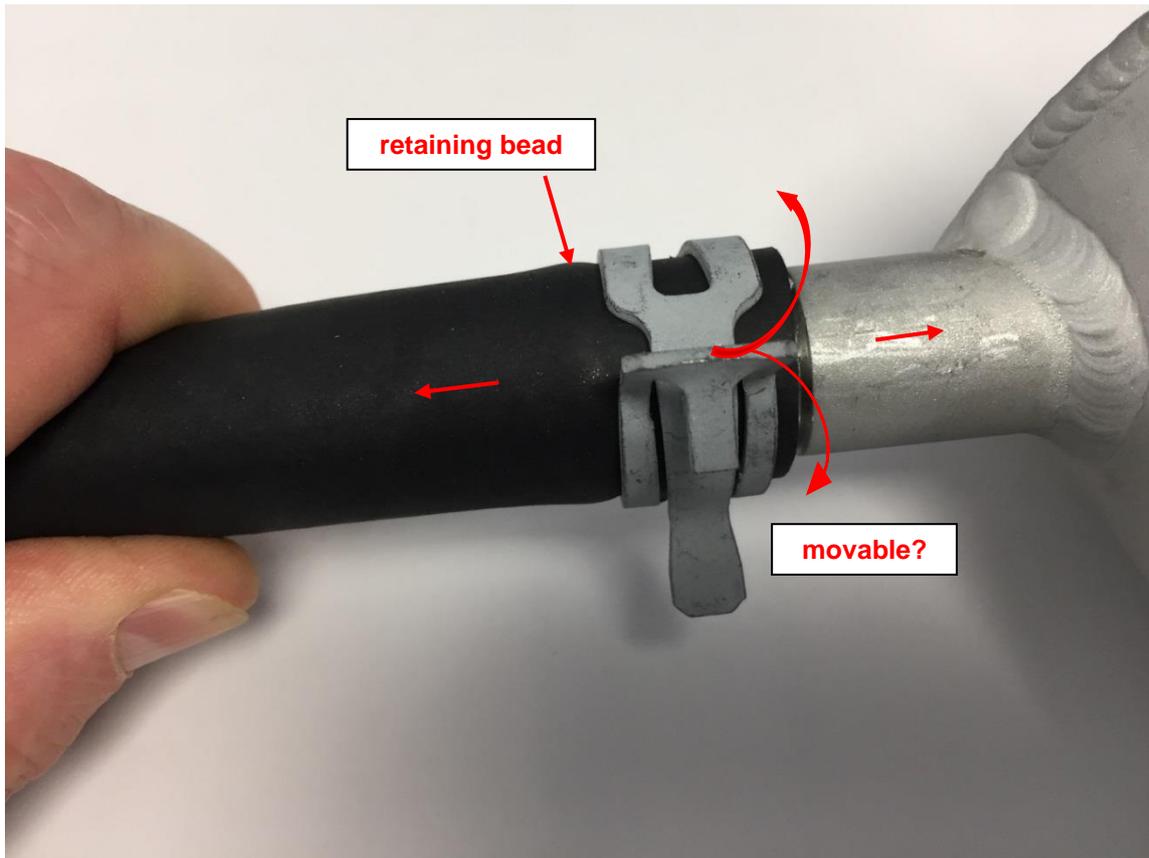


Fig. 1 clamp at end of water hose



Fig. 2 clamp at engine end of water hose

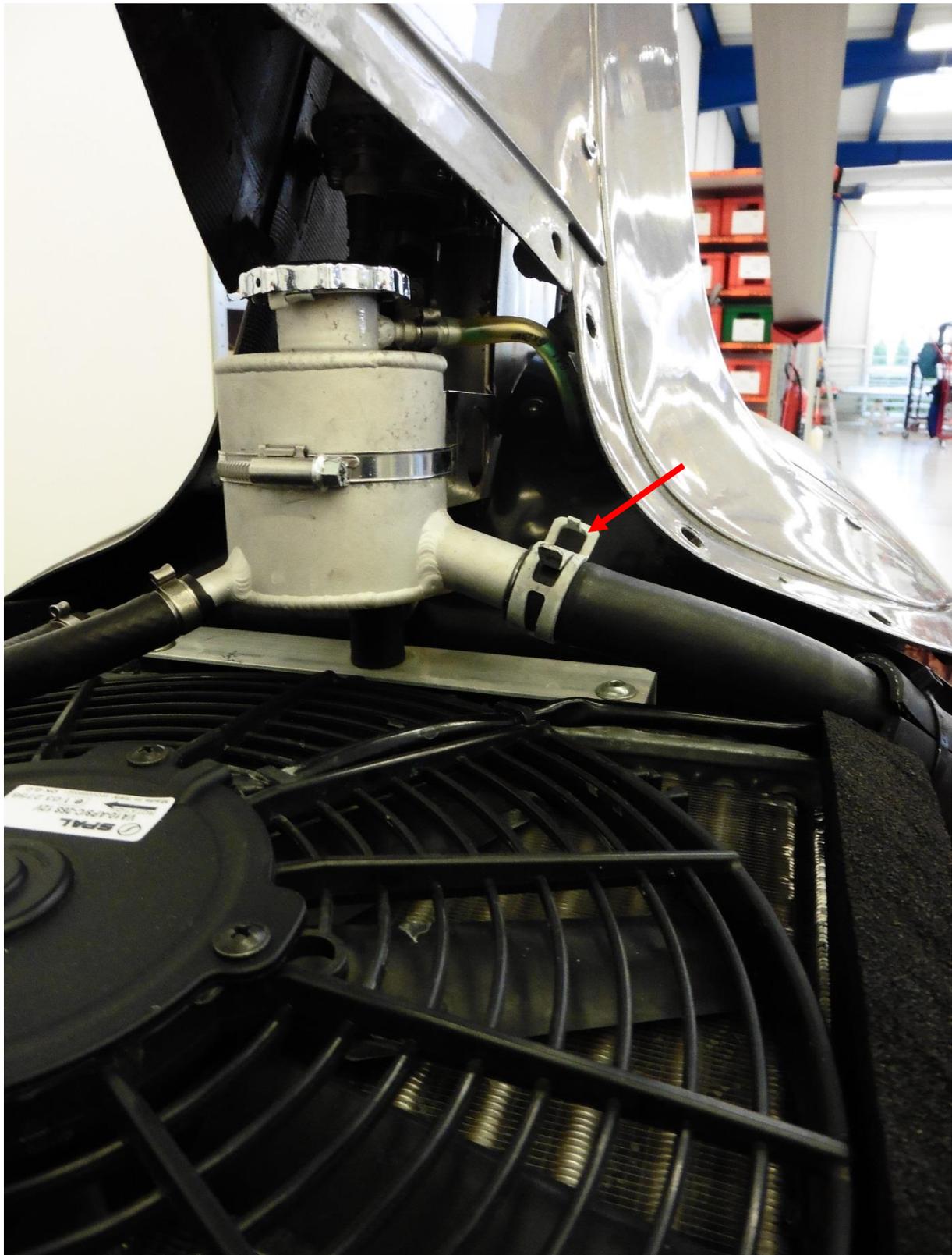


Fig. 3 clamp at pressure tank end of water hose