

RotorSport UK Ltd

Service Bulletin

This form is the response from RotorSport UK Ltd against a problem found in the product either in service or test, which requires an immediate action.

Upon completion of the action, the person responsible must enter details into the aircraft logbook/worksheet with the SB and/or CAA MPD (Mandatory Permit Directive) number and sign as normal.

If any problems with carrying out the work authorised, contact RSUK immediately on 44(0)1588 650769, or email gerry@rotorsport.org.

SB No.: 043 Iss1	CCAR No.: None	Classification:
Aircraft type & model (applicability) RotorSport UK Calidus	Aircraft serial Nos. effected RSUK/CALS/004 onwards!	OPTIONAL or RECOMMENDED or MANDATORY

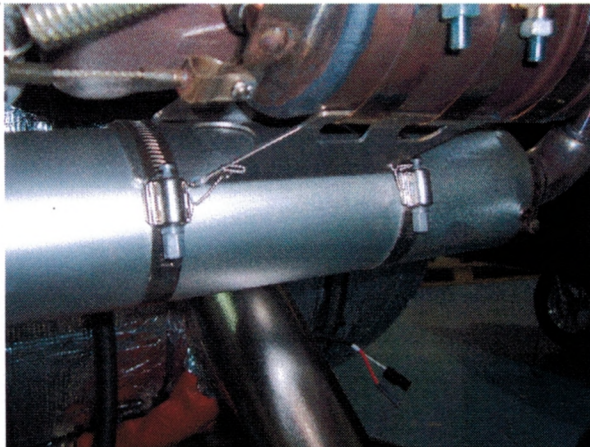
Problem description & cause of problem if known

Calidus aircraft after S/no 004 (both 912ULS and 914UL-engined variants) have a transverse after-muffler clamped under the main silencer by means of a stainless-steel saddle/tension-band arrangement. The tension bands may fail due to the thermal stresses in the mounting system (but the aftermuffler will be retained by its pipe-clamp and wire-locking). A silicone strip may be fitted under each tension-band to reduce these stresses and prevent band failure.

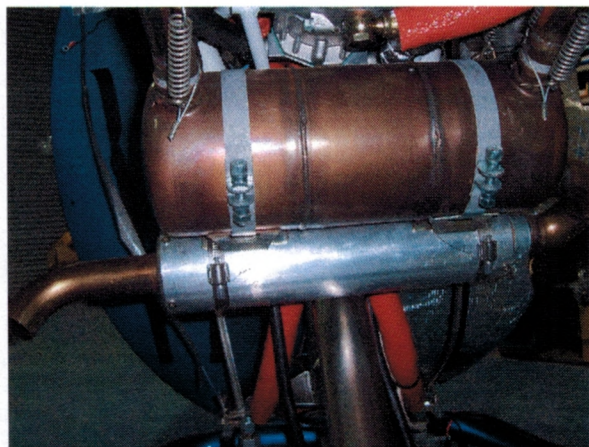
Action required to implement this service bulletin

- 1) Gaining access through the rear aperture of the engine cowlings note the arrangement of, then cut-away the wire-locking retaining the two tension bands
- 2) Unscrew, separate and remove each band.
- 3) Loosely fit new bands then position a rubber strip centrally under each band either side of the saddle lugs. Tighten each band firmly but not such that the rubber is extruded from underneath the band.
- 4) Reinststate the wire-locking

Effective date:
05.04.11



914UL



912ULS

Original installation without silicone rubber strips.
Note the wire-locking fitted through the bracket and the holes in the clip

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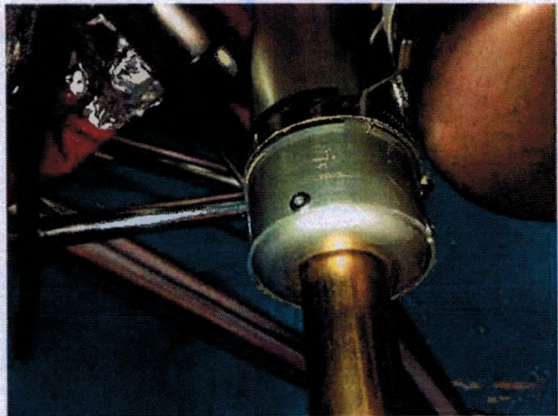
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Silicone strip inside band



Fitted to aircraft

Parts required to implement this service bulletin

RSD4627 Silicone strip (2-off)

RSD4628 Tension-band (2-off)

Wire-locking wire (as required)

Effect on Pilots Handbook or Maintenance Manual?

Yes – new text to be incorporated in next revision of Maintenance Manual

Service Bulletin Completion action:

Issue Permit Maintenance Release Certificate

CAA BCAR A3-7 Authorised Person or Pilot/Owner to certify that the work is completed by writing 'SB-043 Calidus after-muffler clamp improvement incorporated' in the aircraft logbook white pages, and record the action in the pink pages entitled 'Aircraft Modifications'. Both entries must be signed by the CAA Authorised Person or Pilot/Owner together with their CAA Authorisation number or Pilots licence number

SB authorised by: (name, signature, and date of signature)

Quality Conformance Manager 11/4/11	Engineering Manager 11/4/11	Chief Test Pilot (if flight performance or safety effect) NOT REQD	Structures (where required) 8/4/2011	
Document completion date:	Issued to:	When	Issuer name	Signature
	Internal			
	CAA			
	Owners			
	PFA/BMAA Inspectorate	No		