



RotorSport UK Ltd Service Bulletin (Permit)

Title: Engine mount support sleeve		
SB-095 Iss1	Related documents Modification: MC-317 CCAR No.: CCAR-67	Compliance Category:
Applicability		OPTIONAL <small>or</small> RECOMMENDED or MANDATORY
Aircraft type & model: Any RSUK type	Aircraft serial Nos. affected: Any RSUK type	
The maintenance manual to be referenced is this stated or subsequent issue.		MT-03 RSUK0012 Iss 10 MTOsport RSUK0044 Iss 9 Calidus RSUK0061 Iss 7 Cavalon RSUK0288 Iss 5
<p>This form is the response from RotorSport UK Ltd either against a problem found in the product in service requiring a containment or rectification action, or as service information for aircraft modification incorporation. For help, contact RotorSport on 44(0)1588 505060, or email compliance@rotorsport.org.</p> <p>The technical content of this document is approved under the authority of the UK CAA Design Organisation Approval Ref: DAI/9917/06</p>		

Documentation (Service Bulletin Completion action)

- a) Entries within the aircraft logbooks, eg CAA BCAR A3-7 Authorised Person to certify that the work is completed by writing '*SB-095 Engine mount support sleeve 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 together with their CAA Authorisation number.
- b) Completion of the SB worksheet attached, This must contain a PMR statement, and a final check item that no tools or equipment have been left within the aircraft)
- c) No Type Approval change application document is required
- d) Any other Permit Maintenance Release to Service form requirements.

Document approval signatures			
Engineering Manager	CVE (as required)	Chief Test Pilot (if flight performance or safety effect)	Head of Airworthiness
 <small>Signature of Engineering Manager</small>	<p>Not required, change already approved.</p>	<p>Not required</p>	 <p>20 Nov 2018</p>

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<u>Documentation (Service Bulletin Completion action)</u>
<p>a) Entries within the aircraft logbooks, eg CAA BCAR A3-7 Authorised Person to certify that the work is completed by writing '<i>SB-126 Engine mount support sleeve incorporated</i>' 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 together with their CAA Authorisation number.</p> <p>b) Completion of the SB worksheet attached, This must contain a PMR statement, and a final check item that no tools or equipment have been left within the aircraft)</p> <p>c) No Type Approval change application document is required</p> <p>d) Any other Permit Maintenance Release to Service form requirements.</p>

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Engineering Manager	CVE (as required)	Chief Test Pilot (if flight performance or safety effect)	Head of Airworthiness
	Not required, change already approved.	Not required	

RotorSport UK Ltd Service Bulletin (Permit)

Reason and overview of the Service Bulletin (cause of problem if known)

Engine mounting rubbers sag over time due to a number of causes, including natural ageing, weight of the engine and prop assy, in-service temperatures, exposure to fuels and oils, and loads incurred resisting the engine thrust and torque.

Additionally, for a Cavalon 914UL installation, this can lead to the engine airbox contacting the engine mount frame, leading to wear and eventually perforation.

Experience has determined that the deterioration can be reduced by fitting a support sleeve inside in the engine mount rubber assy, leading to an extended service life.

This experience is derived from in-service use, and therefore this bulletin is to release this part for older aircraft fitment.

All MTOsport 2017s have this spacer fitted as standard.

Production Cavalon from serial RSUK/CVLN/022 have the spacers fitted.

Production Calidus from serial RSUK/CALS/029 have the spacers fitted.

Manpower estimates

Accomplishment of this Service Bulletin requires the following personnel

- (i) A3-7 Authorised engineer

Estimated man-hours to complete the task as a stand-alone item are; varies with engine installation. Removal and fitment of engine mount rubbers can take several hours.

Tooling required

Hand tools and engine support frame

Weight and Balance Effects

No effect

Manuals affected

POH RSUK and AMM RSUK are not affected, other than a note regarding the optional inclusion of this support sleeve.

Previous Modifications that affect the SB

None

Accomplishment instructions (Action required to implement this bulletin):

Effective date of this SB is 19 November 2018

There is no relevant MPD or other outside body documentation to be referenced.

Replacement of the engine mount rubbers is carried out as a normal maintenance process. The only change is the fitment a single support sleeve inside each mounting as shown in the photo below.

There is no other change to the assembly process.

Ensure that an adequate gap exists between the 914UL airbox and the engine mount frame after fitment.

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Actual Sleeve.



Sleeve fitted inside engine rubber with inner steel sleeve fitted

Sleeves should be fitted with new engine mount rubbers, especially where there is already deformation of the rubber part.

Material information (Parts required to be made to implement this service bulletin):

No parts made during embodiment

List of components (with purchasable part nos)

Consumables used: None

Engine mount support sleeve Item no. 71-20-00-V-12651

Cavalon engine mount assy complete kit Item no. 71-20-00-V-32088

Calidus engine mount assy complete kit Item no. 71-20-00-C-30052

MTOsport 2010 engine mount assy complete kit Item no. 71-20-00-M-30052

MTOsport 2017 engine mount assy complete kit Item no. 71-20-00-S-44433

Individual engine mount rubbers Item no. 71-00-00-V-20179

Interchangeability

Not affected

Parts disposition

- a) Disposal requirements – Normal waste
- b) Environmental hazards of parts containing hazardous materials - None
- c) Scrap requirements (e.g. mutilate scrapped items beyond use) – Not applicable