




# RotorSport UK Ltd Service Bulletin (Permit)

<b>Title: Calidus MTOW increase to 560Kg</b>		<b>Release date 17.05.2020</b>
<b>SB-134 Iss1</b>	<b>Related documents</b> Modification: CCAR No.: None	<b>Compliance Category:</b>
<b>Applicability</b>		<b>OPTIONAL</b> <del>or</del> <b>RECOMMENDED</b> <del>or</del> <b>MANDATORY</b>
<b>Aircraft type &amp; model:</b> Calidus	<b>Aircraft serial Nos. affected:</b> All with 3mm suspension bow bracket and 914UL engine	
The maintenance manual to be referenced is this stated or subsequent issue.		None
<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 <a href="mailto:compliance@rotorsport.org">compliance@rotorsport.org</a>.</p> <p>The technical content of this document is approved under the authority of the UK CAA Design Organisation Approval Ref: <b>DAI/9917/06</b></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-134 560Kg MTOW increase check. Suspension bracket thickness confirmed as 3mm*' 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) Complete the Type Approval change application document. (This is required where the SB will affect the type approval limitations, eg airspeed change or MTOW change and enables the owner to request the permit change required)
- d) Any other Permit Maintenance Release to Service form requirements.

Document approval signatures			
<b>Engineering Manager</b>   <small>G. Speich May 17 2020 9:53 PM</small>  	<b>CVE (as required)</b>  Not required	<b>Chief Test Pilot (if flight performance or safety effect)</b>  Not required	<b>Head of Airworthiness</b>   18 May 2020

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

In 2019 the Calidus MTOW was increased from 500 to 560Kg, as shown under ANN29266 Addendum 3, and within BG-04 iss 7.

This change is only applicable to Calidus aircraft fitted with 914UL engines and with the suspension bow bracket thickness of 3mm (from approx. serial number RSUK/CLDS/028)

## **Manpower estimates**

Accomplishment of this Service Bulletin requires the following personnel

- (i) A3-7 or LAA Authorised engineer

Estimated man-hours to complete the task as a stand-alone item is; approx. 20mins, depending on findings.

## **Compliance: *Optional***

## **Tooling required**

Vernier or other measuring tool

## **Weight and Balance Effects**

No effect

## **Manuals affected**

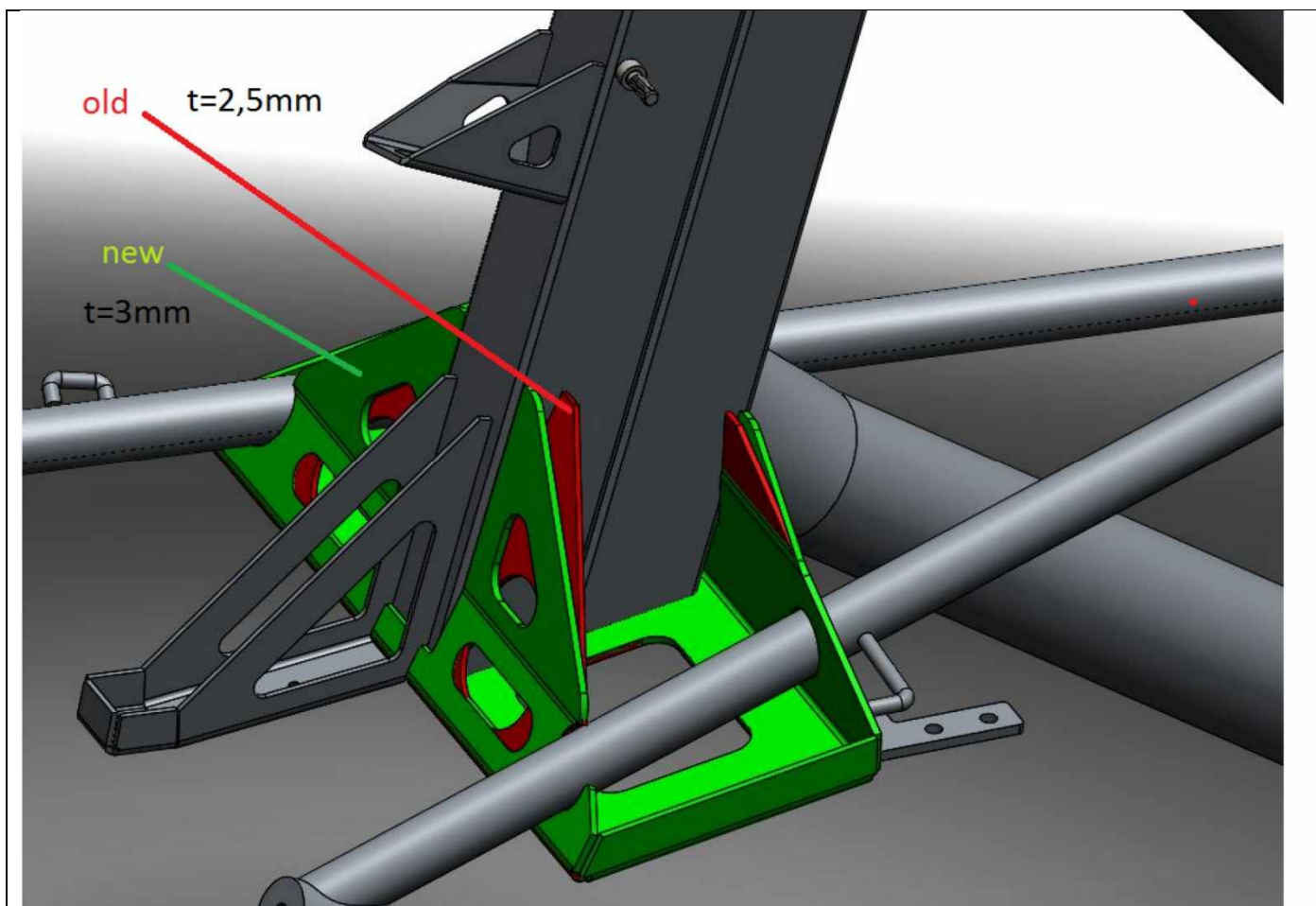
No effect, use the latest POH

## **Previous Modifications that affect the SB**

None

## **Accomplishment instructions (Action required to implement this bulletin):**

1. Measure the thickness of the suspension bow bracket. If 3mm, proceed. If 2.5mm this bulletin does not apply. See picture.



2. If 3mm, complete the logbook requirements.
3. Complete the permit change document and send to the UK CAA
4. On receipt of the CAA updated documents, change the placarded MTOW from 500Kg to 560Kg.

**Note!**

Embodiment of this change is not legal until the aircraft documents are updated by the CAA. The operator must ensure that the aircraft insurance MTOW limitations match the new MTOW. The aircraft annual permit renewal fee may increase because of this change.

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

No parts made during embodiment

**List of components (with purchasable part nos)**

None

**Interchangeability**

Not affected

**Parts disposition**

- a) Disposal requirements – None
- b) Environmental hazards of parts containing hazardous materials - None
- c) Scrap requirements (e.g. mutilate scrapped items beyond use) – None.

## Permit Change Application

The purpose of this document is to provide sufficient information to the CAA to allow a change of the Permit to Fly to incorporate a specific aircraft modification or upgrade.

Aircraft reg no

**G-**

Aircraft serial No.

**RSUK/**

AAN that has been incorporated:  
AAN29266 Addendum 3

Service Bulletin number incorporated:  
SB-134 Calidus MTOW increase

Owners name and address

Daytime telephone number

Email

Summary of change required: (cross out as required)

MTOW increase from 500 to 560Kg

Documents to be included with this application:

Photocopy of aircraft and/or engine logbook pages with certifying signatures from the A3-7 or LAA authorised person that confirm embodiment of the service bulletin and Permit Maintenance Release certification.

Existing CAA Permit to Fly.

Application fee as specified in the CAA Scheme of Charges paragraph 6.1

(<http://www.caa.co.uk/application.aspx?catid=33&pagetype=65&appid=11&mode=list&type=subcat&id=1>)

Send to:

CAA Applications and Approvals

Aviation House

Gatwick Airport South

West Sussex

England

RH6 0YR