

<b>Title: Upgrade Intercooler Strut Attachment</b>		
<b>AG-SB-2025-01-B-EN</b>	<b>Effective Date: 01.11.2025</b>	<b>Compliance Category:</b>
<b>Applicability</b>		<del>A - MANDATORY</del> <b>B – RECOMMENDED</b> <del>C - OPTIONAL</del>
<b>Aircraft type &amp; model:</b> AutoGyro Calidus with ROTAX® 916is engines	<b>Affected Serial number(s):</b> C00588            C00592 C00589            C00593 C00590            C00596 C00591	
The maintenance manual to be referenced is this stated or subsequent issue.		As per AutoGyro website
<p>This form is the response from AutoGyro GmbH 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 <a href="mailto:airworthiness@auto-gyro.com">airworthiness@auto-gyro.com</a>.</p>		

**Documentation (Service Bulletin Completion action)**

The accomplishment of this Service Bulletin, or the decision of its rejection, must be properly documented within the aircraft records, in line with the requirements of the responsible aviation Regulatory Authority.

A worksheet may be attached to this bulletin to aid correct embodiment of this SB. This should be completed and retained with the aircraft records.

**Category Codes**

A – Mandatory            – failure to comply result in a significant reduction of flight safety, injury or death  
 B – Recommended        – failure to comply may result in reduced safety margin, injury and/or equipment damage  
 C - Optional              – improves operating behavior, reliability and/or maintainability

<b>Document approval signatures</b>	
<b>Head of Engineering</b>	<b>Head of Airworthiness</b>

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

Market feedback has shown that this strut attachment may occasionally fail due to engine vibration. The failure has no effect on airworthiness or flight safety, but is undesirable. This Service Bulletin describes the retrofitting of an improved version in which the rigid eyebolt is replaced with a rod end. This allows for better absorption of the natural vibrations of the affected components.

**Manpower estimates**

Estimated man-hours to complete the task as a stand-alone item are 0,5hrs

**Compliance**

This Service Bulletin should be performed at the next scheduled maintenance, or immediately if the part is broken.

**Customer Support**

AutoGyro Technical Support can be contacted at [airworthiness@auto-gyro.com](mailto:airworthiness@auto-gyro.com).

Material costs are covered by AutoGyro. For the ordering process, see the corresponding section.

**Tooling required**

Standard tools, thread locker Loctite® 243 or equivalent, engineer's paint

**Weight and Balance Effects**

Nil

**Manuals affected**

Nil

**Previous Modifications that affect the SB**

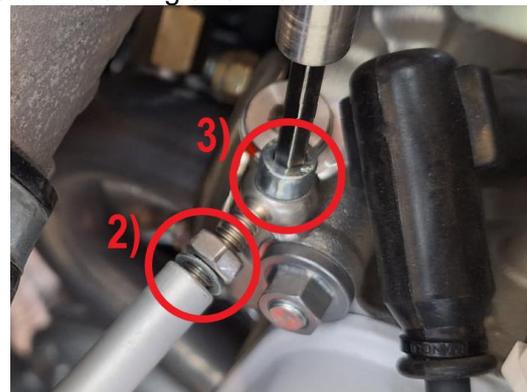
Nil

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

All work is to be carried out in accordance with the latest model-relevant AutoGyro AMM, the relevant documentation of the engine manufacturer and the Periodic Service Worksheet

Procedure

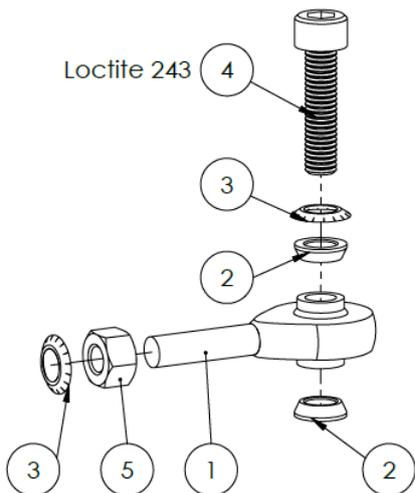
- 1) Remove the upper and lower left engine cowlings according to AMM Chapter 52-00-00 4-1
- 2) Loosen the engine-sided lock nut on the support strut mounting a few turns
- 3) Loosen and remove the fastening screw of the support strut on the engine block, it is no longer required.



4) Remove the eyebolt from the support strut, it is no longer required



5) Overview:



5	1	20044	M6	M6
4	1	20061	M6x25	M6x25
3	2	20009	Safety washer M6	Schnorrzscheibe M6
2	2	20375	Spacer 10-2,8/6 F	Distanzbuchse 10-2,8/6 F
1	1	20095	Rod end KA 6-D	Kugelgelenkkopf KA 6-D
Ref.-No.	Qty.	Internal ID	Name (engl.)	Name (ger.)

6) Pre-assemble the ①rod end with ⑤nut and ③safety washer according to the drawing above and screw it into the support strut **at least 5 turns/threads.**



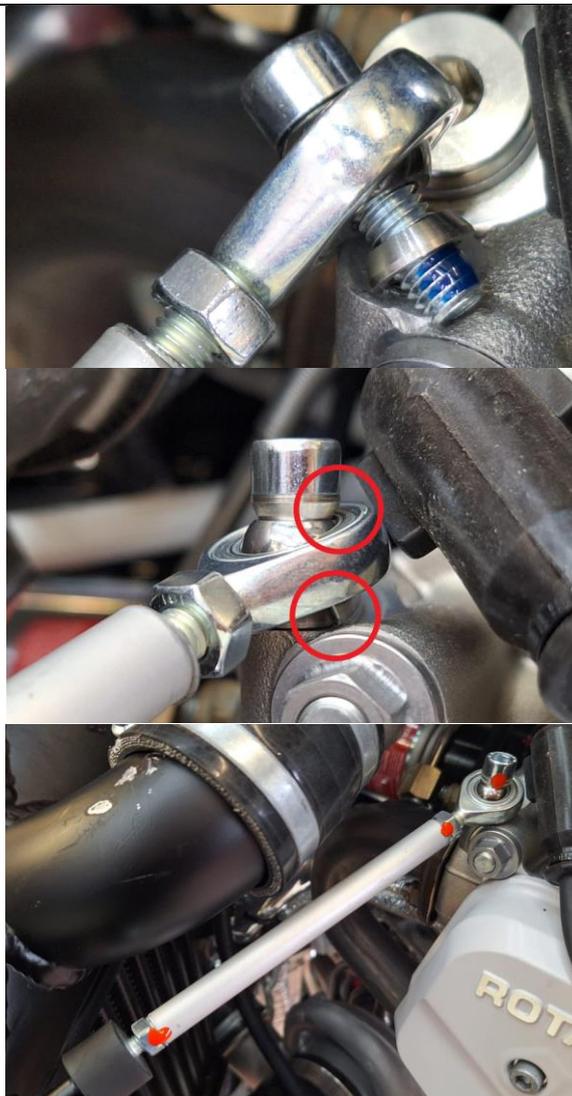
7) Align the rod end over the thread on the cylinder head to ensure a stress-free installation. Adjust the length by screwing it in or out. **However, at least 5 turns/threads must always remain in the support strut.**



8) Fit the ④screw according to 5) with ②spacers and ③safety washer and apply Loctite® 243

9) Tighten the screw. **Inspection:** The outer part of the rod end must not contact the installed conical spacers or the engine block and must remain freely movable.

10) Tighten the ⑤nut to lock it against the support strut, mark the support strut and ④screw with engineer's paint.



11) Reinstall the lower, left and upper engine cowling according to AMM Chapter 52 00-00 4-1

**Any life-limit changes must be recorded within the aircraft documentation, in line with the requirements of the country of operation.**

Nil

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

Nil

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

See step 5) of the description.

Order through the [webshop](http://webshop) or by email ([spareparts@auto-gyro.com](mailto:spareparts@auto-gyro.com)), stating the SB number and the aircraft's serial number. AutoGyro will cover the material costs.

**Interchangeability**

Not affected

**Parts disposition**

- a. Disposal requirements
  - none
- b. Environmental hazards of parts containing hazardous materials
  - none
- c. Scrap requirements
  - Destroy old parts beyond continued usability and/or mark accordingly
  - Make batch and serial numbers unrecognizable
  - Dispose of old parts according to local regulations