

| Title: Improved Version For The Heat Protection On Lower Ignition Cables  |                               |   |
|---|-------------------------------|---|
| AG-SB-2025-01-B-EN  | Effective Date:<br>22.10.2025 | Compliance Category:  |
| <b>Applicability</b><br><b>Aircraft type &amp; model:</b><br>AutoGyro Cavalon and Calidus with<br>ROTAX® 915/916iS engines  |                               | <b>A - MANDATORY</b><br><b>B – RECOMMENDED</b><br><b>C - OPTIONAL</b> |
| <b>Affected Serial number(s):</b><br>If AG-SB-2024-02-B has been performed, or if this has not yet been done; see description of this Service Bulletin for details.   |                               |   |
| The maintenance manual to be referenced is this stated or subsequent issue.   |                               | As per AutoGyro website   |
| 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.<br>For help, contact <a href="mailto:airworthiness@auto-gyro.com">airworthiness@auto-gyro.com</a> . |                               |   |

### 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                       |

### Document approval signatures

Head of Engineering

Head of Airworthiness

The technical content of this document is approved under the authority of the UK CAA Design Organisation  
Approval Ref: DAI/9917/06

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

Our own findings and feedback from the market led to the publication of AG SB 2024 02 B, which describes the retrofitting of a heat shield to the lower ignition cables.

Further findings have shown that this heat shield can negatively impact the performance of the radio system. Therefore, the above-mentioned Service Bulletin was withdrawn in July 2025. With the publication of this Service Bulletin, an improved heat shield is introduced that does not negatively affect the radio system.

AutoGyro has already implemented this improvement to production in September 2025.

### **Manpower estimates**

Estimated man-hours to complete the task as a stand-alone item are: 0.5 hrs

### **Compliance**

This bulletin is recommended and has no compliance timeline.

It can be performed during the next scheduled maintenance. If radio problems are known, this Service Bulletin can also be performed earlier, if necessary.

### **Customer Support**

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

Materials and labour hours are not covered by this Service Bulletin.

### **Tooling required**

Standard tools.

### **Weight and Balance Effects**

Nil

### **Manuals affected**

Nil

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

AG-SB2025-02-B can be referred to for further details, if desired

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

All work is to be carried out in accordance with the latest model-relevant AutoGyro Aircraft Maintenance Manual, the relevant documentation of the engine manufacturer as well as the Periodic Service Worksheet.

Identification:

|   |  |   |
|---|--|---|
|  |  |  |
| ROTAX® delivery status  | AG-SB-2024-02-B performed  | Current version installed   |

Procedure:

- 1) Remove the engine cowlings according to Chapter 52-00-00 4-1 of the respective AMM.
- 2) Remove one lower spark plug cap from the spark plug.
- 3) Cut the tie that wraps around the cap to hold it to the cable. Remove the tie
- 4) Unscrew the spark plug cap from the ignition cable.
- 5) Check if the cable is heat damaged; if so, replace. If only the end is damaged, ~5mm may be cut off.
- 6) *If present: Remove the old heat protection.*
- 7) Install the new heat shield.
- 8) Reinstall the spark plug cap onto the ignition cable.
- 9) Fit a new 2mm tie around the groove in the end of the cap and tighten. Cut off the waste.
- 10) Install the spark plug cap onto the spark plug.
- 11) Repeat steps 3) to 7) for the remaining three ignition cables.
- 12) Perform an engine test run.
- 13) Reinstall the engine cowlings according to Chapter 52-00-00 4-1 of the respective AMM.

Supplemental pictures:



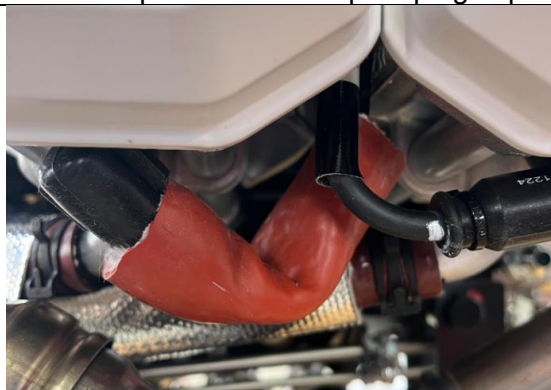
▲ Unscrewed spark plug cap



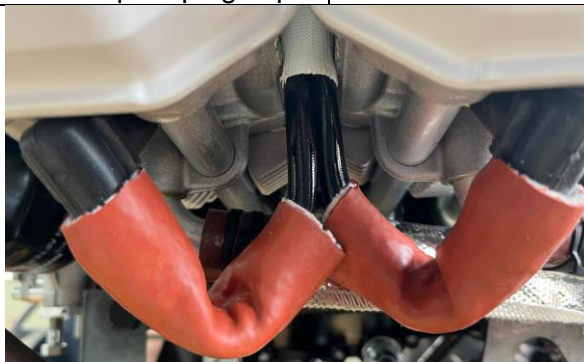
▲ Heat protection and spark plug cap



▲ Heat protection slid onto the spark plug cap



▲ Re-Installed spark plug cap



▲ task performed on one side of the engine

**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)**

P/N 48711 - Heat Shield Ignition Cable Motor Set. Order through the [webshop](https://www.auto-gyro.com/webshop) or by email ([spareparts@auto-gyro.com](mailto:spareparts@auto-gyro.com)) and include the SB number and the aircraft's serial number.

**Interchangeability**

Not affected

**Parts disposition**

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