

Title: Exchange Of Antenna Wire		
AG-SB-2025-02-B-EN	Effective Date: 25.07.2025	Compliance Category:
Applicability		A – MANDATORY B – RECOMMENDED C – OPTIONAL
Aircraft type & model: AutoGyro Calidus AutoGyro Cavalon	Affected Serial number(s): Depending on equipment see “Reason and Overview”	
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 airworthiness@auto-gyro.com.</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

Document approval signatures	
Head of Engineering	Engineering Manager

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

Continuous testing and optimization processes have shown that it may be advisable to replace the antenna wire on certain aircraft to achieve improved radio performance.

This affects aircraft factory-equipped with the item "49529 - Antenna with ballast" or if this part has been retro-fitted to other aircraft.

This applies to at least the following serial numbers:

<u>Calidus</u>	<u>Cavalon</u>	<u>Cavalon</u>
C00589	V00568	V00604
C00590	V00588	V00610
C00591	V00594	V00611
C00592	V00595	V00613
C00593	V00596	V00618
C00596	V00597	V00623
C00598	V00598	V00626
C00599	V00599	V00627
	V00600	V00628
	V00603	V00629

For further identification of whether the affected antenna and/or the new antenna wire is already installed, see the work instructions.

During the described replacement (see work instructions), the antenna wire supplied by the antenna manufacturer is replaced with an antenna wire manufactured by AutoGyro or locally made if equivalent quality can be assured. This new antenna wire has been geometrically improved to suit the AutoGyro-specific conditions, resulting in improved radio performance.

Antenna manufacturers recommend that antenna lengths are adjusted to suit individual aircraft installations. Whilst AutoGyro has a resultant standardised antenna length, individual antennas and installations inevitably have production variances, and fine tuning improvements can be obtained by slightly varying antenna lengths with the right test equipment. The recommendation below is not a guaranteed improvement, and has to be verified in flight after installation.

Manpower estimates

15min

Compliance

This bulletin is recommended and has no compliance timeline.

Customer Support

Can be contacted for questions. airworthiness@auto-gyro.com

Tooling required

Standard tools. Allen Key 1,5mm

Weight and Balance Effects

Nil

Manuals affected

None – The new antenna wire is installed at the factory with immediate effect – provided the above-mentioned antenna is installed.

Previous Modifications that affect the SB

Nil

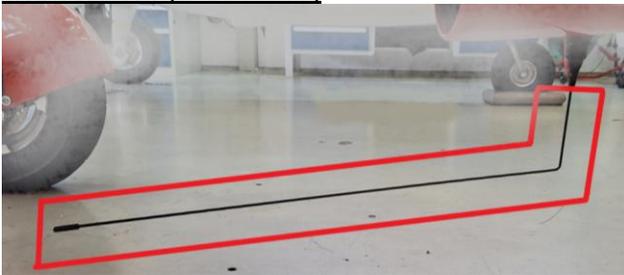
Accomplishment instructions (Action required to implement this bulletin):

All work is to be carried out in accordance with the latest model-relevant AutoGyro Aircraft Maintenance Manual.

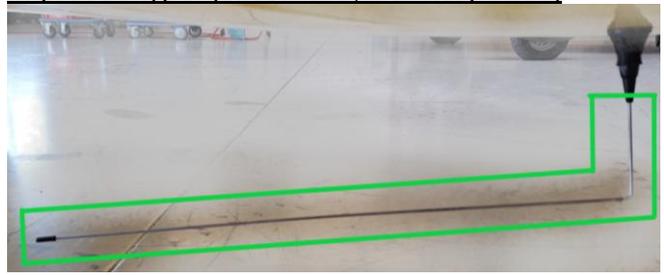
Procedure

Identification:

Old version: (Black wire)



Improved type: (silver wire, if factory fitted)



Calidus

1. Remove controls cover (ref. JobCard 52-40-00 2-1)
2. Pictured is the affected antenna, which requires exchange of the antenna wire.



Cavalon

1. Remove cover below right-hand control stick (ref. JobCard 52-40-00 0-1)
2. Pictured is the affected antenna, which requires exchange of the antenna wire.



Exchange:

1. Loosen the grub screw of the antenna socket using a 1,5mm Allen Key. Do not unscrew completely.



2. Extract antenna wire, pull off rubber tip protection; keep rubber tip for re-using. Dispose of antenna wire.



<p>3. Attach rubber tip protection to new antenna wire.</p>	
<p>4. Put the replacement antenna wire in its socket. Tighten grub screw whilst keeping the antenna aligned with the aircraft's longitudinal axis. <u>NOTE: The head of the screw can be overtorqued easily!</u></p>	
<p>5. To ensure proper function of the fitted antenna, perform in-flight radio test. <u>ATTENTION: Improper installation of the antenna could lead to damage or destruction of the radio, for which AutoGyro cannot be held liable for!</u></p>	

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)

Can be ordered via the online shop or spareparts@auto-gyro.com quoting the aircraft serial and this SB number AG-SB-2025-02-B

50187 – Antenna Wire

Alternatively: Antenna can also be made locally from 1.4310 stainless steel rod of 2,5mm diameter. Black painting is optional.

Geometry as follows:



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