

## AG-MI-2013-13-C-EN – Extension of Antenna Ground Plane

Category **C**

### EFFECTIVE DATE

05.12.2013

### SUPERSEDES/REPLACES

N/A (initial issue)

### APPLICABILITY

Cavalon equipped with rod antenna, serial numbers up to V00135

### COMPLIANCE

Perform during **next maintenance**.

### BACKGROUND

Improvement of radio performance

### RISK OF NEGLECT

Failure to comply with this instruction/information will result in

- loss of related warranty

### SCOPE OF WORK

Installation of component 'Antenna Ground Plate Extension'

### AFFECTED AREAS

N/A

### SPECIAL TOOLS & CONSUMABLE MATERIALS

S.VB2019	Silicone Remover Spray
S.VB6063	Fabric Tape

### PARTS

V.EL703	Antenna Ground Plate Extension
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### LABOR AND REQUIREMENTS

To accomplish 1,0 h

Task may only be performed by AutoGyro or AutoGyro-Maintenance Partners!

### SUPPORT POLICY

Parts f.o.c.

#### Contact & Info:

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www.auto-gyro.com

#### AutoGyro GmbH

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31137 Hildesheim

## REFERENCES

Manufacturer Maintenance Manual 67-10-00 4-1 – Removal-Installation: Centre Console  
Manufacturer Maintenance Manual 52-40-00 0-1 – Description: Service Covers in Cockpit Shell  
Pilots Operating Handbook in latest revision

## DOCUMENTATION

The accomplishment of this Manufacturer Information, or the decision of its rejection, must be properly documented, if such procedure is required by the relevant authority.

## Warnings Caution and Notes

This instruction uses **WARNINGS**, **CAUTIONs** and **NOTEs** in bold italic letters to indicate especially critical and important instructions. The call-outs appear at the top of the Maintenance Job Card if of general nature or applicable for the complete task, or will directly precede the individual Work Step.

The meaning of each call-out is defined below:

***WARNING: A warning means that the neglect of the appropriate procedure or condition could result in personal injury or fatal accidents.***

***CAUTION: A caution means that the neglect of the appropriate procedure or condition could result in damage to or destruction of equipment.***

***NOTE: A note stresses the attention for a special circumstance, which is essential to emphasize.***

## Category Codes

- A** Safety critical - failure to comply may result in a significant reduction of flight safety, injury or death
- B** Important - failure to comply may result in reduced safety margin, injury and/or equipment damage
- C** Beneficial - improves operating behaviour, reliability and/or maintainability

## COMPLIANCE PROCEDURE

### GENERAL, REFERENCES AND REQUIREMENTS

Task may only be performed by AutoGyro or AutoGyro-Maintenance Partners!

Secure gyroplane against unauthorized or unintended operation!

Manufacturer Maintenance Manual 67-10-00 4-1 – Removal-Installation: Centre Console

Manufacturer Maintenance Manual 52-40-00 0-1 – Description: Service Covers in Cockpit Shell

### SPECIAL TOOLS, CONSUMABLE MATERIALS AND PARTS

S.VB2010            Silicone Remover

S.VB6063           Fabric Tape

### PRECAUTIONS AND SAFETY MEASURES

N/A

### PROCEDURES

- 1 Demount centre panel according to (67-10-00 4-1).
- 2 Open service covers in cockpit shell. See (52-40-00 0-1).
- 3 Drill 2 mm-hole in left and right frame (Fig. 2).
- 4 Use vacuum cleaner to remove drilling chips.
- 5 Lead wire through the drilled holes in left and right frame (Fig. 1).
- 6 Clean adhesive points with S.VB2010 Silicon Remover, run and fix wire on left and right side as shown in Fig. 3.
- 7 In centre channel, clamp wire centrally arranged under the antenna base. Screw antenna together from below. Make sure that the wire remains clamped under the antenna.
- 8 Close service covers in cockpit shell. See (52-40-00 0-1).
- 9 Mount centre panel according to (67-10-00 4-1).

**NOTE: If attachment hardware with limited reuseability (wire lock, self-locking nuts, torque bolts, ...) has been removed or altered during removal or disassembly, affected attachment hardware must be replaced.**

### PARTS LIST

Fig. Pos. Description	PC PIT	Remark
Antenna Ground Plate Extension	L1 V.EL703	-

ILLUSTRATIONS

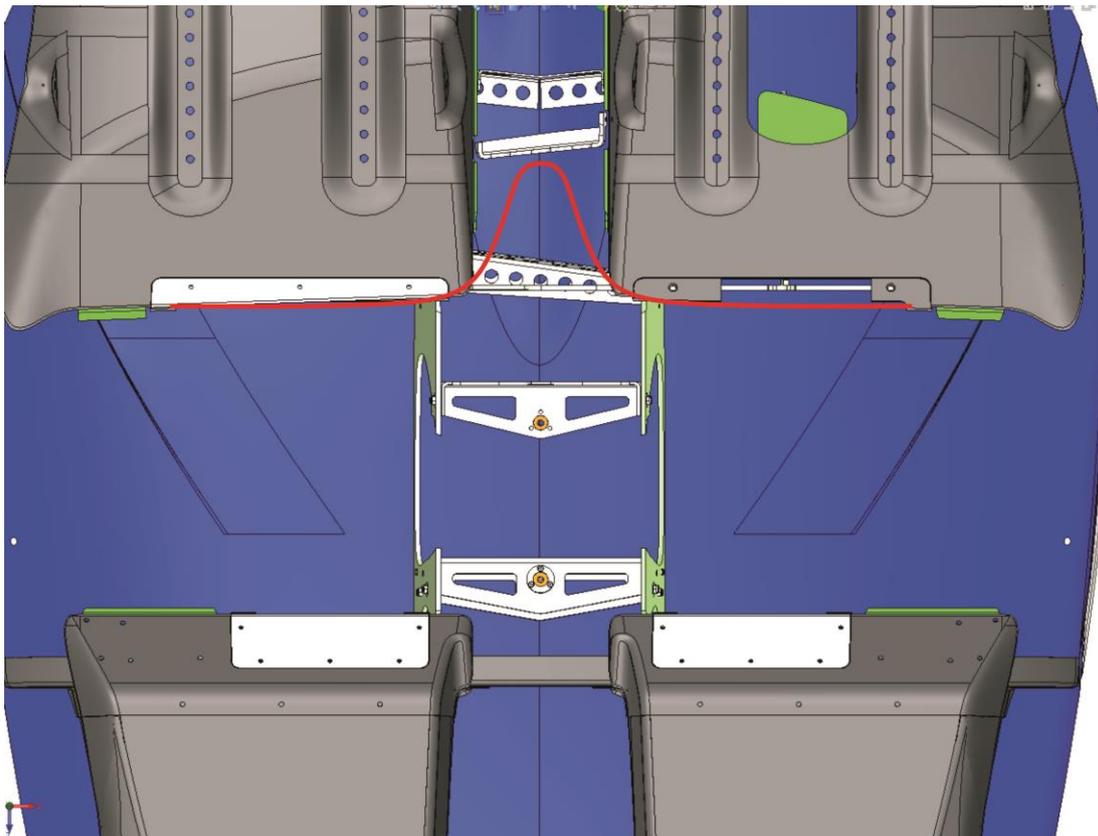


Fig. 1 – Run of the ground plate extension

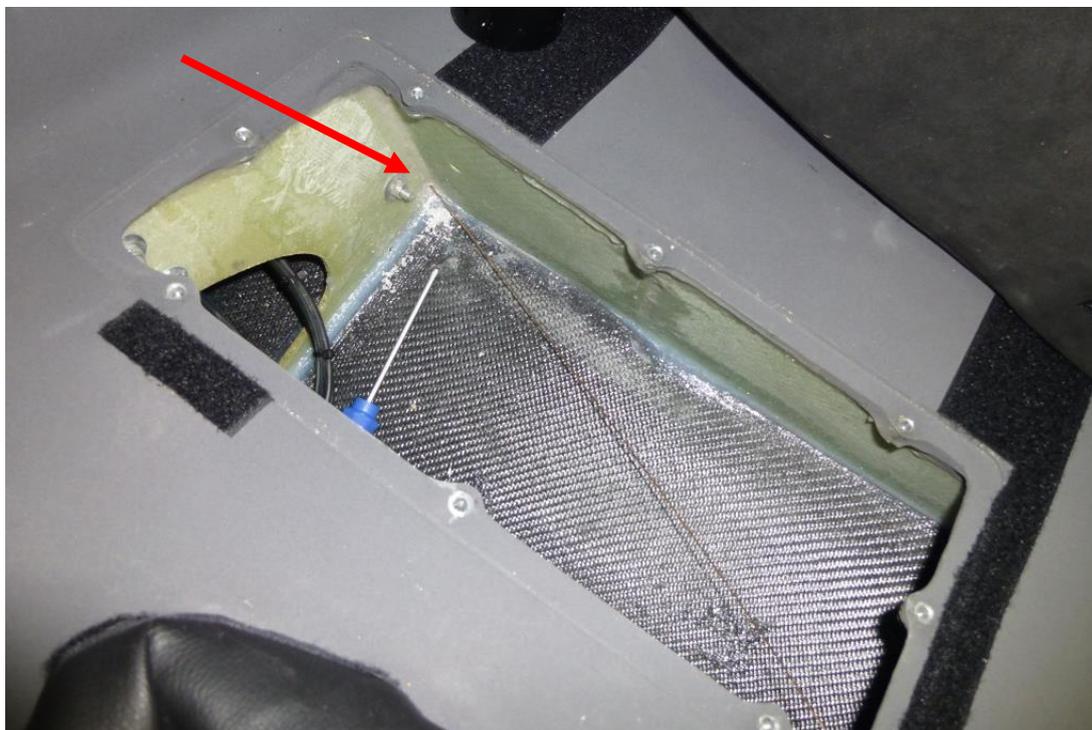


Fig. 2 – Drilled hole in frame



Fig 3 – Fixation of the wire

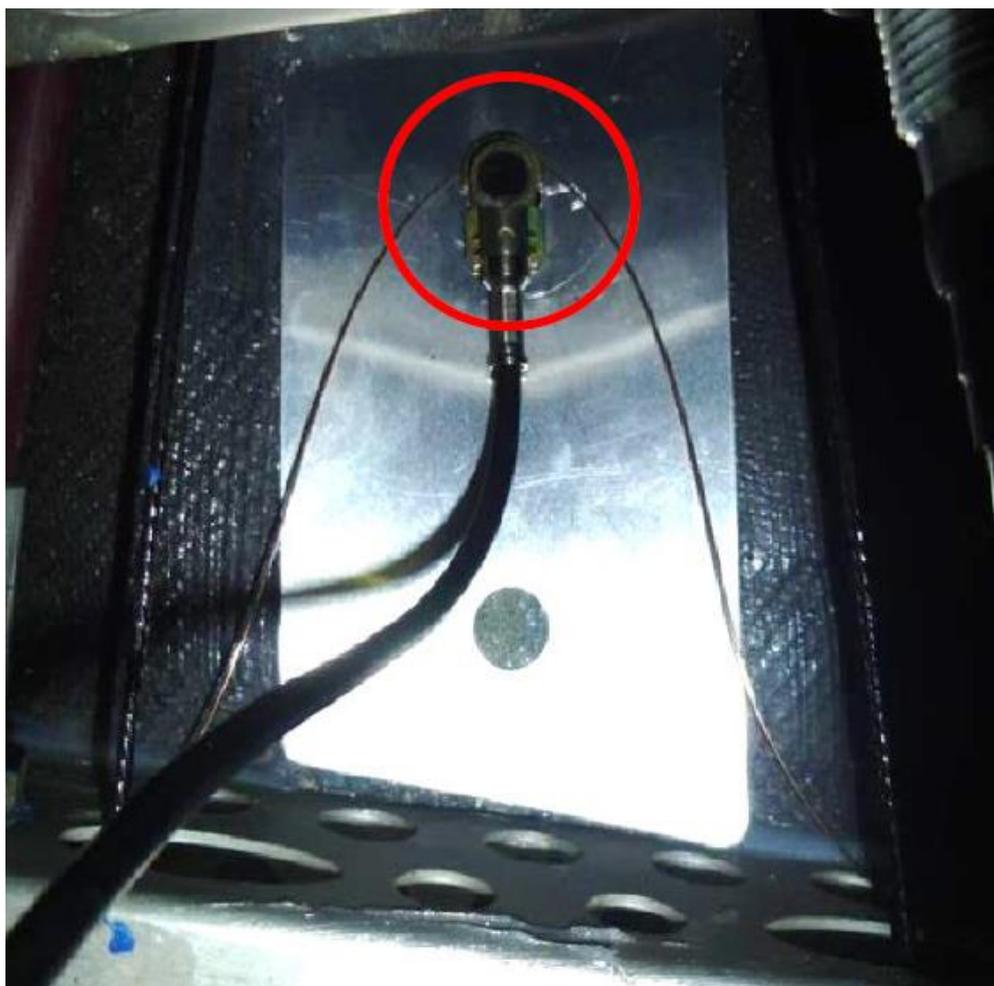


Fig 4 – Under antenna base clamped wire