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

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

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.
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 Silicone 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**

<table>
<thead>
<tr>
<th>Fig.</th>
<th>Pos.</th>
<th>Description</th>
<th>PC</th>
<th>PIT</th>
<th>Remark</th>
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<td></td>
<td></td>
<td>Antenna Ground Plate Extension</td>
<td>L1</td>
<td>V.EL703</td>
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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