AG-MI-2013-10-C-EN – Retrofit Throttle Turbo Detent

EFFECTIVE DATE
19.09.2013

SUPERSEDES/REPLACES
N/A (initial issue)

APPLICABILITY
Cavalon equipped with Rotax 914 engine, serial numbers up to and including V00131

COMPLIANCE
Perform during next maintenance.

BACKGROUND
Product improvement

RISK OF NEGLECT
Failure to comply with this instruction/information will result in
- loss of related warranty

SCOPE OF WORK
Installation of component 'Upgrade Throttle Turbo Detent'

AFFECTED AREAS
N/A

SPECIAL TOOLS & CONSUMABLE MATERIALS
S.VB6072 Technicol 9545
S.VB6008 Power Cleaner for Assembly

PARTS
V.ST409 Upgrade Throttle Turbo Detent

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. (reimbursement upon receipt of affected part).
REFERENCES
Manufacturer Maintenance Manual 67-10-00 4-1 – Removal-Installation: Centre Console 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!

SPECIAL TOOLS, CONSUMABLE MATERIALS AND PARTS
S.VB6072 Technicoll 9545
S.VB6008 Power Cleaner for Assembly

PRECAUTIONS AND SAFETY MEASURES
N/A

PROCEDURES
1. Verification whether Throttle Turbo Detend is installed (functional test)
2. If not installed demount centre panel according to MMM 67-10-00 4-1 (Fig. 1)
3. Lower throttle lever connection – demount front bolt of gas push rod (Fig. 1, 1 and Fig. 2)
4. Demount excentric for idle adjustment
5. Demount brake lever (Fig. 3)
6. Brake lever: Demount stop screw
7. Shove in brake lever until screw of brake actuator push rod is accessible. Demount push rod (Fig. 3)
8. Demount front throttle lever stop screw (Fig. 4)
9. Demount throttle lever
10. Insert and fix new throttle lever
11. Mount turbo detent (Fig. 5, 2)
12. Mark contact point of turbo detent on centre panel. Degrease marked contact point with power cleaner and affix protective plate with Technicoll (Fig. 6, 3)
13. Re-assembly in reverse order from step 7 to step 2
14. Demount throttle lever handle from old throttle lever and mount it on new throttle lever
15. Perform test run, check idle and engine adjustment
16. Mount centre panel according to MMM 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 disassemly, 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>Upgrade Throttle Turbo Detent</td>
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Upgrade Throttle Turbo Detent L1 V.ST409
ILLUSTRATIONS

Fig. 1 – Demounted centre panel

Fig. 2 – Lower throttle connection

Fig. 3 – Dismounting brake lever

Fig. 4 – Dismounting throttle lever stop screw

Fig. 5 – Turbo detent

Fig. 6 – Affixed protective plate