

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

Category **C**

### 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	Technicoll 9545
S.VB6008	Power Cleaner for Assembly

### PARTS

V.ST409	Upgrade Throttle Turbo Detent
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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. (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 disassembly, affected attachment hardware must be replaced.**

### PARTS LIST

Fig.	Pos.	Description	PC PIT	Remark
		Upgrade Throttle Turbo Detent	L1 V.ST409	

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ILLUSTRATIONS

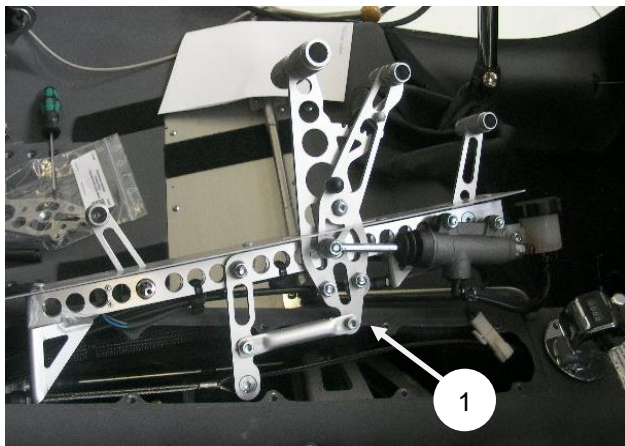


Fig. 1 – Demounted centre panel

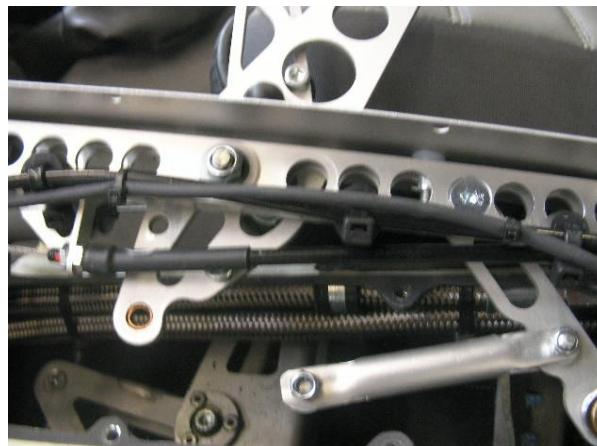


Fig.2 – Lower throttle connection

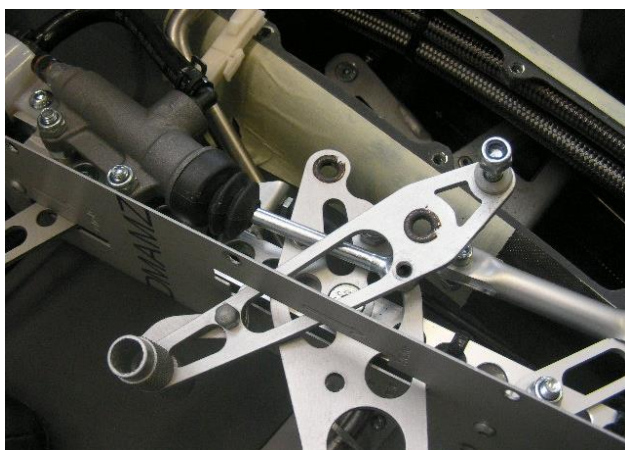


Fig. 3 – Dismounting brake lever

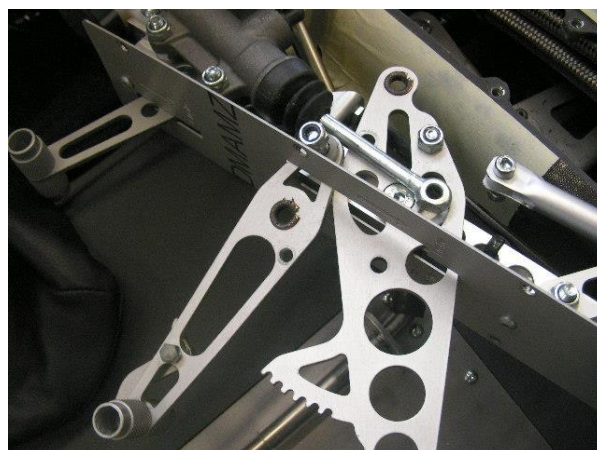


Fig. 4 – Dismounting throttle lever stop screw

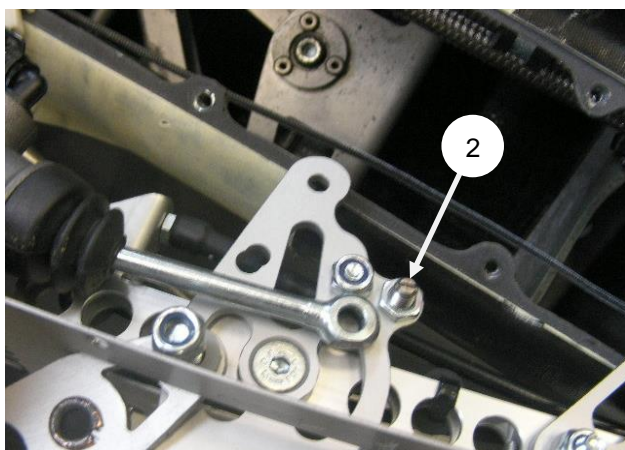


Fig. 5 – Turbo detent

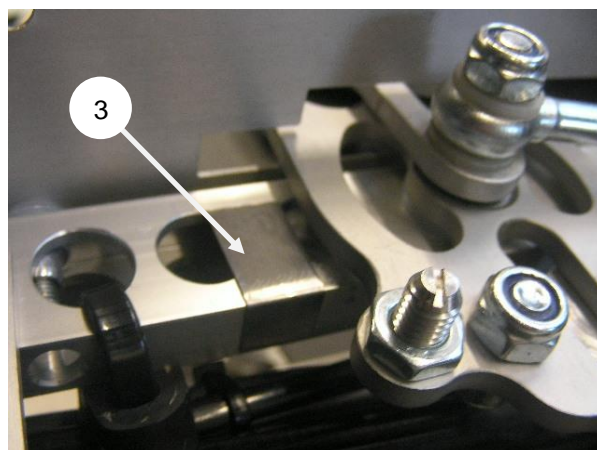


Fig. 6 – Affixed protective plate