


Title: Cavalon window strength improvement		
AG-SB-2022-08-C-EN	Effective Date: 26.09.2022	Compliance Category: A - MANDATORY B - RECOMMENDED C - OPTIONAL
Applicability		
Aircraft type & model: AutoGyro Cavalon	Affected Serial number(s): Up to SN V00533	
The maintenance manual to be referenced is this stated or subsequent issue.		As per AutoGyro website
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 .		

Documentation (Service Bulletin Completion action)

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

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

Chief Certification Officer	Chief Technical Officer
	
Gerald Speich	04 / 10 / 2022

Contact & Info:
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Reason and overview of the Service Bulletin (cause of problem if known)

Due to improper opening and closing of the door via the ventilation window, cracks occasionally occur at the front lower corners of the ventilation windows at the screw connection.

In order to prevent cracks on the Cavalon cabin door, reinforcements have been developed to evenly distribute stress and stiffen critical areas of the cabin door.

The service bulletin provides the instructions to install the reinforcement correctly.

Manpower estimates

A max. of 0,2h are estimated to install the reinforcements

Compliance

There are no compliance requirements associated with this SB

Customer Support

Not applicable

Tooling required

Standard tools

Weight and Balance Effects

Nil

Manuals affected

POH & AMM AutoGyro is not affected.

Previous Modifications that affect the SB

None

Any life-limit changes must be recorded within the aircraft documentation, in line with the requirements of the country of operation.

None

Accomplishment instructions (Action required to implement this bulletin):

Procedure

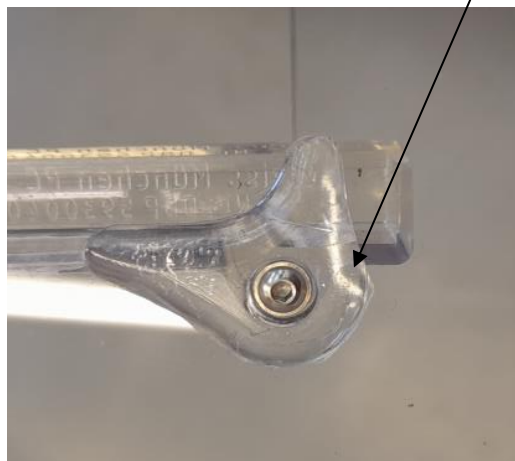
- Uninstall the lower front screw
- Clean the outside surface of the cabin door with active glass cleaner (PN 30494)



Install reinforcement:

- Clean the surface of the reinforcement with Loctite 7063 Super Clean (PN 35915)
- Add the double-sided tape on the reinforcement
- Line up contour and hole of the reinforcement and cabin door when installing
- Put the screw back on

Tighten screws only hand-tight



Material information (Parts required to be made to implement this service bulletin):

NIL

List of components (with purchasable part numbers)

PN 48669, reinforcement set for both doors
PN 30494, active glass cleaner
PN 35915, Loctite Super Clean

Interchangeability

Not affected

Parts disposition

- a) Disposal requirements – Nil
- b) Environmental hazards of parts containing hazardous materials – Nil
- c) Scrap requirements (e.g. mutilate scrapped items beyond use) – Nil