


AutoGyro Certification Ltd Service Bulletin (Permit)

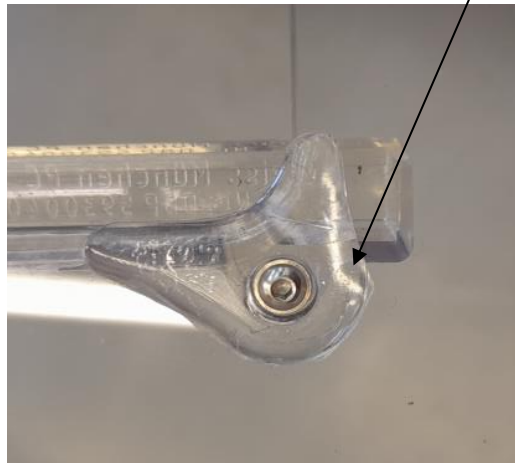
Title: Cavalon window strength improvement		Release date 25.10.2022
SB-146 Iss1	Related documents Modification: MC-440 CCAR No.: None	Compliance Category: OPTIONAL or RECOMMENDED or MANDATORY
Applicability		
Aircraft type & model: AutoGyro Cavalon	Aircraft serial Nos. affected: As required, optional	
The maintenance manual to be referenced is this stated or subsequent issue.		None
<p>This form is the response from AutoGyro Certification Ltd 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 RotorSport on 44(0)1588 505060, or email compliance@rotorsport.org.</p> <p>The technical content of this document is approved under the authority of the UK CAA Design Organisation Approval Ref: DAI/9917/06</p>		

<u>Documentation (Service Bulletin Completion action)</u>
<p>a) Entries within the aircraft logbooks, eg CAA BCAR A3-7 Authorised Person to certify that the work is completed by writing 'SB-146 Iss 1 Cavalon window strength improvement.' in the aircraft logbook white pages, and record the action in the pink pages entitled 'Aircraft Modifications'. Both entries must be signed by the CAA Authorised Person together with their CAA Authorisation number.</p> <p>b) Completion of the SB worksheet if attached. This must contain a PMR statement, and a final check item that no tools or equipment have been left within the aircraft.</p> <p>c) Complete the Type Approval change application document. (This is required where the SB will affect the type approval limitations, eg airspeed change or MTOW change and enables the owner to request the permit change required)</p> <p>d) Any other Permit Maintenance Release to Service form requirements.</p>

Document approval signatures			
Engineering Manager	CVE (as required) Not required, change already approved	Chief Test Pilot (if flight performance or safety effect) Not required	Head of Airworthiness

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<p><u>Reason and overview of the Service Bulletin (cause of problem if known)</u></p> <p>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.</p> <p>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.</p> <p>The service bulletin provides the instructions to install the reinforcement correctly.</p>
<p><u>Manpower estimates</u></p> <p>A max. of 0,2h are estimated to install the reinforcements</p>
<p><u>Compliance:</u></p> <p>There are no compliance requirements associated with this SB</p>
<p><u>Tooling required</u></p> <p>Standard tools</p>
<p><u>Weight and Balance Effects</u></p> <p>No effect</p>
<p><u>Manuals affected</u></p> <p>Not affected.</p>
<p><u>Previous Modifications that affect the SB</u></p> <p>None</p>
<p><u>Accomplishment instructions (Action required to implement this bulletin):</u></p> <p><u>Procedure</u></p> <ul style="list-style-type: none">➤ Uninstall the lower front screw➤ Clean the outside surface of the cabin door with active glass cleaner (PN 30494)  <p><u>Install reinforcement:</u></p> <ul style="list-style-type: none">➤ 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 <p><u>Tighten screws only hand-tight</u></p>



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

No parts made during embodiment

List of components (with purchasable part nos)

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 – None
- b) Environmental hazards of parts containing hazardous materials - None
- c) Scrap requirements (e.g. mutilate scrapped items beyond use) – None.