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## Service bulletin

No.: G304S – 16 a)

**Type :**

TC(s) no.: EASA.A.030  
Model(s): 304S; 304MS; 304eS; 304S Jet

Serial no(s): all

**Subject :**

Airbrake inspection, modification of airbrake wells

**Urgency:**

Action 1 – During next annual inspection  
Action 2 – Based on result of Action 1

**Reason:**

Positive definition of brake plate position during retraction to eliminate interference.

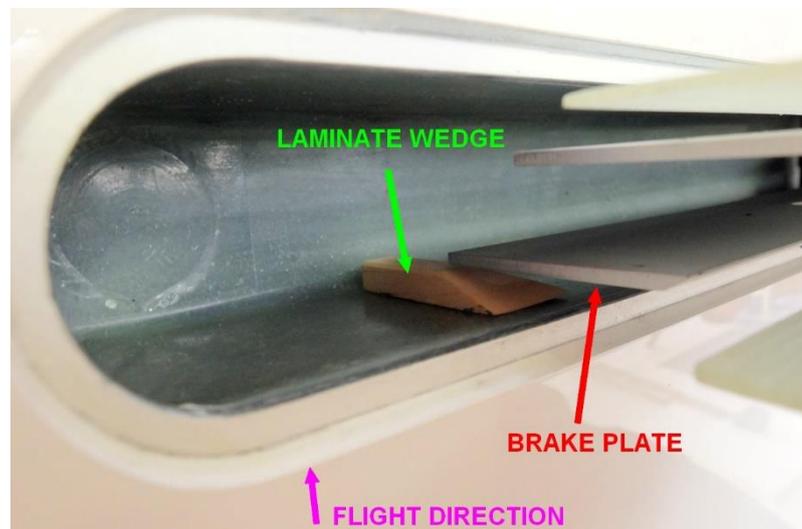
This modification is made on as-needed basis in newly produced sailplanes. The modification is retrofitted to the existing fleet using the same airbrake design.

**Action 1:**

Perform this step either on an assembled sailplane or on an individual inner wing laid flat on supports, top side up.

**Extend the airbrakes. Check if a laminate wedge is present on the rear wall of the airbrake well (at the outboard airbrake section) - see Fig. 1.**

If the wedge is present on both wings log this result in the logbook, Action 2 is not necessary. Otherwise continue to Action 2.



*Fig. 1 – Brake well interior with a laminate wedge (outboard airbrake section of the left wing)*

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Issued by  
Jaroslav Potměšil

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**Action 2: Modification of airbrake wells.**

Procedure:

- 1) Adjust position of the wedge inside of the left airbrake well (see drawing 304S-70-101-L). Mark its outlines on the wall. Prepare surfaces of the marked area for gluing according to maintenance and repair manual.
- 2) Prepare surface of GFRP wedge plate (see 304S-70-104) for gluing according to maintenance and repair manual.
- 3) Glue the wedge into the left airbrake well according to drawing 304S-70-101-L according to maintenance and repair manual.
- 4) Secure the wedge position to let it harden.
- 5) Repeat the steps 1) - 4) for mirrored wedge position in the right wing.
- 6) Let the glue harden 24hrs/20°C.
- 7) Check the airbrake travel on the rigged sailplane.
- 8) Log the modification in the logbook.

**Material :** - Laminate wedges (304S-70-104, L+R)  
- Drawing 304S-70-101-L (position of wedge in the brake well)

**Weight :** Negligible

**C.G. Position :** Negligible

**Remarks:** All maintenance work must be carried out and certified by qualified and authorized personnel.  
  
Action costs are covered by owner.

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