

THE GLIDING FEDERATION OF AUSTRALIA

GFA AD 408

(ISSUE 1)

GFA AIRWORTHINESS DIRECTIVE

TYPE AFFECTED: Grob G 109B from serial number 6200.

SUBJECT: Drain holes in the elevator and trim tab.

DOCUMENTATION: Service Bulletin TM 817-35.

ACTION REQUIRED: Before 31 May, 1995 the elevator and trim tab must be inspected for the correct number of drain holes and if necessary modified, per TM 817-35 which forms part of this AD.

WEIGHT AND BALANCE: Not affected

IMPLEMENTATION: The requirements of this AD must be completed by persons rated "Inspection for issue of maintenance releases" Grob G 109B.

COMPLIANCE: The requirements of this GFA Airworthiness Directive are mandatory. This Directive is issued pursuant to the Rules and Regulations of the Gliding Federation of Australia.

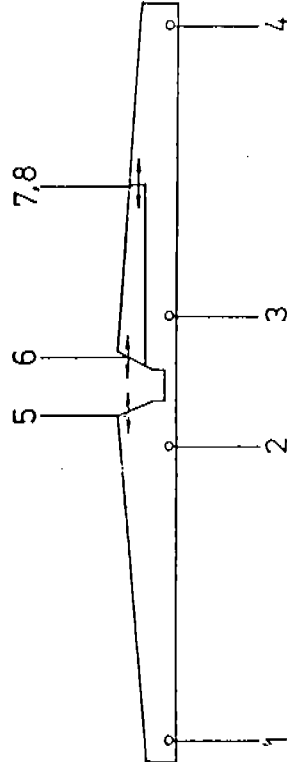
SIGNED: 

CHIEF TECHNICAL OFFICER AIRWORTHINESS

For and on behalf of:

**THE GLIDING FEDERATION
OF AUSTRALIA**

 LUFT- UND RAUMFAHRT	Service Bulletin TM 817-35	GROB G 109B
Material: no material required Weight and Balance: Should a significant quantity of water be found (> 0.5 liter), after removal of the water check the elevator weight, the residual momentum and the airplane C.G. according to the Flight Manual. Remarks: 1. The actions must be carried out by a competent person or at an authorized aviation workshop and have to be certified in the logbook by an authorized inspector. 2. If you have sold your aircraft in the meantime, we kindly ask you, to pass this information immediately to the new owner and forward his address and aircraft s/n to us. Mattsies, 20 July 1992 <u>LBA approved</u> The German original of this Service Bulletin has been approved by the LBA on the 31. August 1992 and is signed by Mr. Kopp. The translation has been accomplished to our best knowledge and judgement. In case of doubt, the German original is authoritative.  Dipl.-Ing. J. Altmann (Airworthiness engineer Certification staff)		
DATE/TIME 20 July 1992	PREPARED BY R. Vodermeier	SHEET / PAGE 2 of 4

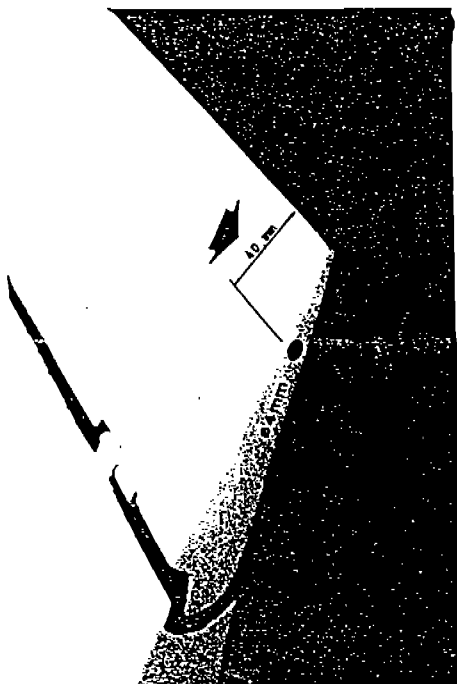
 LUFT- UND RAUMFAHRT	Service Bulletin TM 817-35	GROB G 109B
Subject: Inspection of drain holes in the elevator (including trim tab) Concerning: G 109B, as of S/N 6200 Urgency: 31 October 1992 at the latest Procedure: A sufficient number of drain holes must be provided in the elevator including trim tab. Otherwise the laminate can be damaged by the water penetration, or weight and C.G. problems of the elevator may occur, and cause at the worst flutter tendency. Actions: The following inspections must be performed: 1. Check for provided and open drain holes at the following positions (quantity: 8): <u>Elevator bottom side</u>  If drain holes are provided at these positions, check whether they are open. If so, no further action is required. 2. If drain holes are not provided at these positions, drill drain holes of ϕ 6 mm or ϕ 4 mm according to the figures shown on pages 3 and 4. Caution: Before drilling it is helpful to remove the horizontal tail according to the Flight Manual. While drilling take care not to damage the upper elevator shell!		
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GROB
G 109B

6 ϕ 4 mm



7 ϕ 4 mm

8 ϕ 4 mm



25 mm

25 mm

DATE/DATE

20 July 1992

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R. Vodermeier

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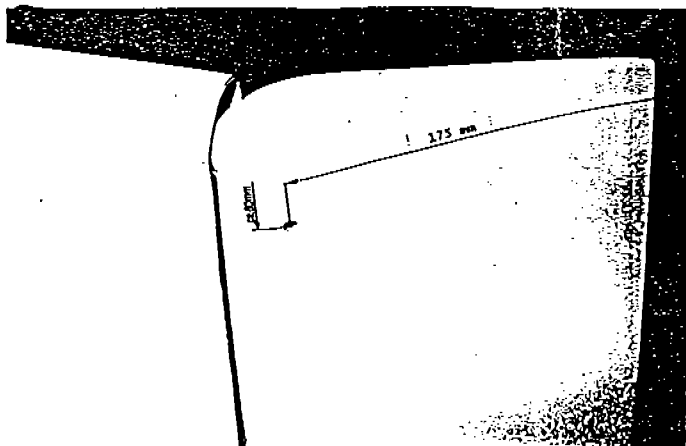
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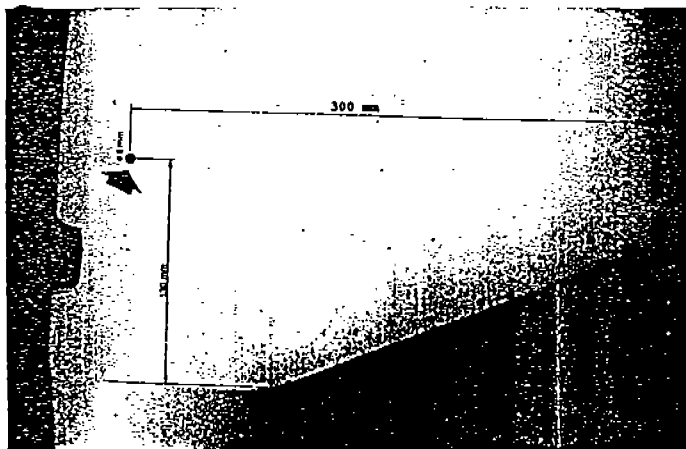
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G 109B

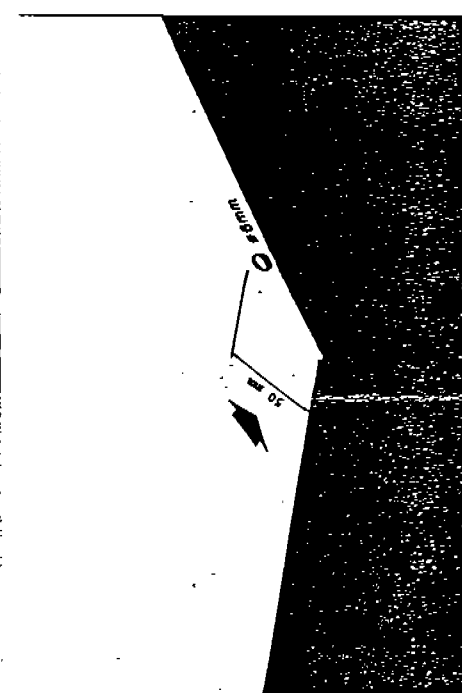
1, 4 ϕ 6 mm



2, 3 ϕ 6 mm



5 ϕ 6 mm



DATE/DATE

20 July 1992

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