



# THE GLIDING FEDERATION OF AUSTRALIA

BUILDING 130, WIRRAWAY ROAD, ESSENDON AIRPORT, VICTORIA 3041.

## AIRWORTHINESS DIRECTIVE GLIDERS/POWERED SAILPLANES

GFA/AD 239

GROB 21

Issue 1

12/8/1982

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TYPES AFFECTED: Grob Twin Astir  
G103-11 Serial Nos. 3501 to 3689

SUBJECT: Inspection and replacement of the front pilot's rudder pedal slide unit. Part No. 103-4208-10.

BACKGROUND: Cracking in service Grob TM 315-20 refers.

### ACTION REQUIRED:

1. Before next flight Inspection of the slide at the front pedal unit before next start. If the slide no. 103B-4208.10 (picture 1) with the wide, high cross-web is installed, there is no reason for modification. Instructions 1 and 2 are not applicable.  
If the slide No. 103-4208.10 (picture 2) with the small low cross-web is installed, actions 2 and 3 have to be carried out.
2. Each Daily Inspection  
Until completion of action 3, the slide at the right pedal suspension has to be inspected for cracks and deformations before each flight and the function of the pedal adjustment and the rudder control has to be checked. If there is any damage, instruction 3 has to be carried out before the next flight. Until exchanged, when adjusting the pedals, the locking bar has to be relieved with the least possible power of the heel to the lower tube of the pedals.

Note: The Maintenance release must be endorsed "inspect from rudder pedal slide unit at each daily inspection to AD 239".

### 3. Before January 1st 1983

The slide No. 103-4208.10 (picture 2) has to be exchanged against slide No. 103B-4208.10 (picture 1) not later than October 31, 1982. The necessary material for this purpose (see below) has to be ordered from the manufacturer or Australian distributor.

#### Parts required:

- 1 slide No. 103B-4208 with 4 DU-bushes
- 4 self-locking nuts M6, LN 9348
- 2 self-locking nuts M5, LN 9348
- 1 self-locking nut M4, LN 9348
- 4 cotter pins 2 x 15 LN 94
- 1 repair instructions No. 315-20

IMPLEMENTATION: Action (1) to be carried out by an 1109 holder endorsed "C. of A" (any material type). Log book to be endorsed.  
Action (2) To be carried out by GFA Daily inspector.  
Action (3) To be carried out by an 1109 holder endorsed "C. of A." (any material type). Log book to be endorsed.

WEIGHT AND BALANCE: NIL CHANGE.

COMPLIANCE: The requirements of this Airworthiness Directive are mandatory. This Directive is issued pursuant to Air Navigation Regulations under delegated authority of the Secretary of the Department of Aviation.

*M.P. Burns*

M.P. BURNS  
CHIEF TECHNICAL OFFICER AIRWORTHINESS  
GLIDING FEDERATION OF AUSTRALIA.



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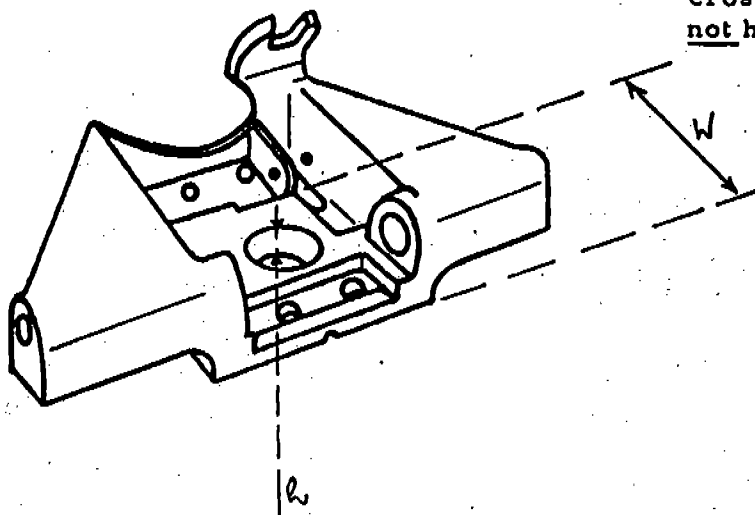
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Picture 1 :

Slide no. 103B - 4208.10

This slide with wide, high cross-web is safe and does not have to be exchanged.



Picture 2 :

Slide no. 103 - 4208.10

This slide with small, low cross-web is rejected and has to be exchanged.

