

AIRWORTHINESS DIRECTIVE

TYPE AFFECTED: LS 4 and LS 4a up to serial number 4340

SUBJECT: Inspection and modification of the dive brake control circuit.

BACKGROUND: Overseas experience has required the issue of Rolladen Schneider Technical Bulletin No 4020 which details inspection and possible modification of the airbrake control circuit to avoid possible jamming of the lower airbrake blade at high speed.

DOCUMENTATION: Rolladen Schneider Technical Bulletin No 4020 which forms part of this AD.

ACTION REQUIRED: Before next flight inspect the glider in accordance with items 1 and 2 of Technical Bulletin No 4020.


If the overlap measured in item 2 is less than 5 mm then carry out instruction 3 before next flight.

WEIGHT AND BALANCE: Not Affected

IMPLEMENTATION: The requirements of this AD must be carried out by persons rated for "Inspection for Issue of Certificates of Airworthiness" any type.

COMPLIANCE: The requirements of this Airworthiness Directive are mandatory. This Directive is issued pursuant to the Australian Civil aviation Regulations under the delegated authority of the Civil Aviation Authority (CEO42/90).

SIGNED:



CHIEF TECHNICAL OFFICER AIRWORTHINESS

For and on behalf of:

**THE GLIDING FEDERATION
OF AUSTRALIA**

Rolladen Schneider
Flugzeugbau GmbH

Technical Bulletin

No. 4020

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Edition 1.9.83

Subject: Air brakes, lower blade

Effectivity: Sailplane models LS4 and LS4-a, all serial numbers up to 4340

Accomplishment: Prior to next flight

Reason: Possible jamming of lower air brake blade at high speeds

Instructions:

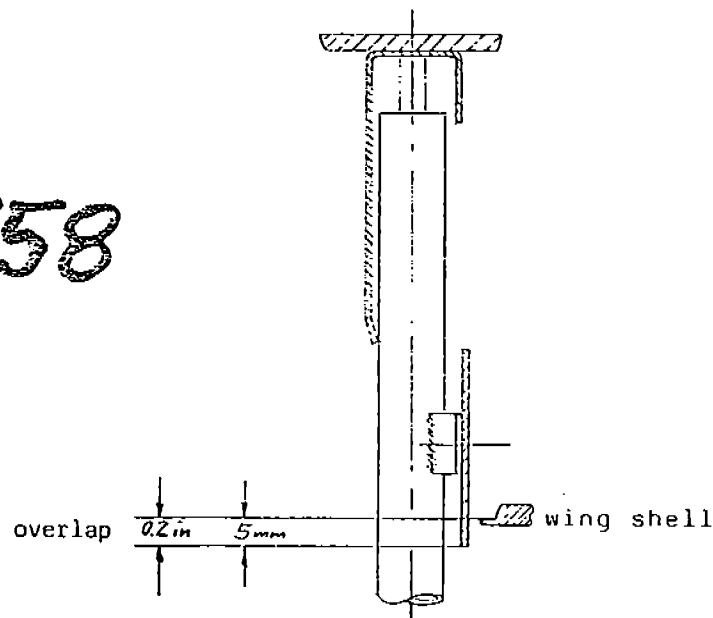
- 1) Assemble sailplane
- 2) With air brakes fully extended, measure overlap between lower blade and wing shell central to levers. When overlap is below 5 mm (0.2 in) proceed according to step 3.
- 3)a. Retract air brakes until overlap is at least 5 mm (0.2 in) at both wings
- b. Check extending height at inner lever, minimum is 150 mm (5.91 in). If below minimum, contact manufacturer.
- c. Rivet stop to air brake pushrod in cockpit from approx. 45° below horizontal such, that main bulkhead reduces travel to yield required overlap

Material: Stop 4R6-15, Steel blind rivet 4x10, (drill dia. 4.1 mm, DN 20)

Weight and Balance: Not affected

Remarks: Material may be obtained from manufacturer.
Accomplishment must be checked by inspector and signed in log.
Enter accomplished TB on page 14-1 of Maintenance Manual
<page 6-1 for US version>, TB-AD-Accomplishment List.

AD 83-158



Erstellt: 1. Sept. 83 *le*

Ersetzt:

Geprüft: *W. B. W. W. W.*