



## AIRWORTHINESS DIRECTIVE

**TYPE AFFECTED:** SCHLEICHER ASK 21  
Serial Nos. 21001 to 21312 (Incl).

**SUBJECT:** INSPECTION/REPLACEMENT OF RUDDER PEDAL SUPPORT BRACKET

**BACKGROUND:** Inservice experience of cracking and fracture of this component led the manufacturer to issue Technical Note ASK-21,19, and the German LBA to issue Airworthiness Directive No. 86-236.

**ENCLOSURES:** SCHLEICHER TECHNICAL NOTE 19.

**REQUIRED ACTION:**

- (1) Before next flight  
Inspect the rudder pedal support bracket, visually, in accordance with the Technical Note. (Replace if required).
- (2) Before May 30th 1987  
Replace the old bracket with a new, factory supplied component.

**IMPLEMENTATION:** The first inspection is to be carried out by any GFA C. of A. rated inspector.  
The new component can be replaced by the holder of a DoA 1109 inspector, Certificate endorsed "component replacement" (any type).

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

Issued by: *M. Burns* Chief Technical Officer,  
Airworthiness

For and on behalf of:

GLIDING FEDERATION OF AUSTRALIA

23/12/86

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Subject: Inspection and exchange of the rudder pedal support fitting.

Affected gliders: All ASK 21 serial numbers 21001 thru 21312; as of serial number 21313 this is factory standard.

Compliance:

1. Check the rudder pedal support fitting prior to the next take-off.
2. If cracks are found in this fitting, it must be immediately exchanged for a new one. If cracks are not yet visible, the support fitting must be exchanged in any case by April 1, 1987.

Reason: On three ASK 21s which each have flown more than 1300 hours and more than 6000 take-offs respectively, this support fitting showed cracks or was broken (see Fig.1).

Action:

1. Order a new support fitting from the manufacturer; P/N 99.000.2174.
2. Remove the old support fitting; for this purpose the ø4 mm blind rivets must be drilled off.
3. Measure the position of the ø4 mm rivet holes on the removed fitting and transfer them accordingly onto the new fitting.
4. Install the new fitting and fix the upper pedal guide tube to the fitting using ø5 mm blind rivets.

Material & drawings: See drawing 99.000.2174.  
2 (two) ø5 mm blind rivets, 8 mm long, made from aluminium alloy.

Mass and C.G.: Neglectable.

Notes: The exchange of the fittings can be accomplished by a qualified person. The accomplishment of the action must be certified in the glider logbook and in the inspection certificates by an aviation inspector holding an appropriate license.

Poppenhausen, October 22, 1986

ALEXANDER SCHLEICHER  
GmbH & Co.

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The German original of this Technical Note has been approved by the LBA under the date of Oct.29, 1986 (signature: FRIEß). The translation into English has been done by best knowledge and judgement; in any case of doubt the German original is controlling.

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als Vervielfältigung dieser Unter-  
lage, Vervielfältigung und Mitteilung ihres Inhalts nicht  
gestattet, soweit nicht ausdrücklich zugestanden.

Fig. 1

*angerissen bzw. durchgebrochen*

cracked or broken

