

COMMONWEALTH OF AUSTRALIA
DEPARTMENT OF CIVIL AVIATION

Glasflugel 2
AD21

AIRWORTHINESS DIRECTIVE GLIDERS

Ref.: GFA/Glasflugel 10/

GLIDER TYPE AFFECTED : GLASFLUGEL STANDARD LIBELLE H 201
STANDARD LIBELLE H 201B
LIBELLE H 301

SUBJECT : REINFORCEMENT OF RUDDER YOKE STOPS

BACKGROUND:

In some gliders of the type the rudder yokes stops on the wheel well have been found to be damaged as a result of continual impact by the adjustable stop screws of the rudder yoke.

REQUIRED ACTION :

- Item 1. The rudder yoke stops on the wheel well are to be inspected; if damage is found Item 2 is applicable before further flight.
- Item 2. The reinforcement parts supplied by E. Schneider Pty. Ltd. or the alternative set out below are to be fitted as described below.

MATERIAL :

2 F.R.P. reinforcement angles, 8 self tapping screws, epoxy resin (Epicote 162 and Laromin C260) thickened with cotton flock. Alternatively fibreglass cloth and epoxy resin (Epikote 162 and Laromin C260).

METHOD :

- 1. Sand bonding area using 120 grade sand paper.
- 2. Bond reinforcement angles to wheel well with flock filled epoxy resin so that the rudder yoke stop screws head faces meet the angles squarely. Fasten each F.R.P. angle with 4 self tapping screws to the wheel well.

Alternative - Build up an area 40 mm square centred on the contact point of the rudder yoke stop with layers of glass cloth and epoxy resin. Build up to a thickness of 2 mm at the contact point in a wedge shaped layer to provide a contact surface square with the face of the rudder yoke stop screws.

- 3. Check rudder movement of $25^{\circ} \pm 1^{\circ}$ deflection both sides by adjusting rudder yoke screws.

Effect on Glider weight - Negligible

Effect on C. of G. - No change.

COMPLIANCE :

Item 1 is to be carried out before the next flight.
If damage is detected Item 2 is to be carried out before
further flight, otherwise before next annual inspection.
Inspection of the rudder yoke stops to be included in
daily inspection until reinforcement is completed.

This Directive is issued pursuant to Air Navigation
Regulations under the delegated authority of the Director
General of Civil Aviation; compliance is mandatory.


(Douglas Lyon)

CHIEF TECHNICAL OFFICER AIRWORTHINESS
GLIDING FEDERATION OF AUSTRALIA

and DELEGATE OF THE DIRECTOR GENERAL
OF CIVIL AVIATION