

AIRWORTHINESS DIRECTIVE - GLIDERSGFA/AD105 GLASER DIRKS 2

Glider Types Affected: Glaser Dirks DG100 all serial numbers excluding DG 100G.

Background:

As a result of an incomplete assembly of the all flying tailplane a DG100 glider crashed during a winch launch. To prevent a repetition a modification has been devised so that an incorrect assembly is more obvious.

Required Action:

Aplastic or aluminium spigot pin is to be glued into the main fitting of the all flying tailplane (see flight manual page 18a).

Procedure:

1. A spigot pin is to be machined from unplasticised Polyvynal Chloride (U.V.P.C.) or aluminium to the dimensions shown on the drawings; the finish on the 19 mm diameter should be a minimum turned finish to achieve a mechanical keying of the adhesive.
2. Degrease with acetone the bore of the tailplane main fitting and the spigot fit.
3. Scour the bore of the fitting with 100 grit abrasive paper.
4. Accurately measure out "Araldite" adhesive and hardener and thoroughly mix; apply to bore of tailplane fitting and 19mm diameter section of the spigot and insert the spigot into the fitting. Ensure that the hole through the spigot lines up with the hole in the tailplane fittings and remove excess adhesive. The hole for the "pip pin" must remain clear.
5. Allow 20 hours at a minimum temperature of 20°C to cure the adhesive.
6. Change Service Manual page 18 article 5 by hand as follows:-
"The cockpit trim lever should be in the aft position."
7. Add on page 2 - Amendments:-
"Assembly of the all flying tail page 18"

Weights and Balance:

No affect.

Compliance:-

This modification may be carried out by the holder of a Glider Inspectors Certificate (D.O.T. 1109) endorsed for Standard Repairs. This directive is mandatory and is to be carried out by not later than 30th June 1978.

This directive is issued pursuant to Air Navigation Regulations under the delegated authority of the Secretary of the Department of Transport.

Douglas Lyon.

Douglas Lyon
CHIEF TECHNICAL OFFICER AIRWORTHINESS
GLIDING FEDERATION OF AUSTRALIA

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