

Subject: wing structure

Effectivity: German Type certificate No. 323
DG-200 serial nos. 1 thru 86 excepted serial nos. 57, 65
74, 81, 84

Accomplishment: none

Reason: To re-establish full airworthiness for the DG-200 which are reduced in weights and speed limits by german airworthiness Directive 79-232 a reinforcement of the wing spar is to be installed using the opening in the root rib for the water-ballast system.

Instructions:

1. Eliminate the temporary airspeed indicator marks and the placard inscriptions effected by AD 79-232. Replase them concerning the data of the DG-200 manual.
2. Remove the water ballast tanks see DG-200 maintenance manual page 7.
3. Sand the wing spar and install the reinforcement web part 2 F 19/1 and 2 according to drawing 2 F 19 and repair instruction DG-200 14/05/79.
4. Heat the repaired spar by blowing hot air (54° C) in the waterballastroom of the wing. Minimum 16 hours.
5. Reinstall the waterballast installation see DG-200 maintenance manual page 7.
6. Check the water ballast system for thightness.

Material: Resin Glycidäther 162
Hardener Laromin C 260
Mixing ratio: 100 : 38 weight parts
Filler: chopped cotton flocks
FRP moulded parts 2 F 19/1 and 2 left and right (can be obtained from Glaser-Dirks).

Weight: Approximately 2 kg weight increase per wing.

Balance: no effect

Remarks: This work has to be carried out by the manufacturer or by an authorized work shop (service and repair of FRP sail-planes).

Bruchsal 4, 14.05.79

