

Subject: Instrument binnacle hinging upwards with the canopy.

Affected gliders: All ASW 20 and ASW 20 L as of s/n 20001 thru 20611 and from 20620 thru 20626 including, as optional modification (except for those gliders modified according to T.N. no.18).

Compliance: None; optional mod on request only.

Reason: As of this date the above ASW 20 variants can be equipped with an upwards hinging instrument binnacle similar to that on the ASW 20 B. This instrument binnacle is designed such that neither the canopy emergency jettison system nor the canopy latch system need be changed. Through this modification above all the canopy emergency bailout is essentially improved, but also the cockpit entry and exit.

Action: Following the drawing no.190/200.11.S30, you change the canopy hinge unit, make and install the instrument binnacle, panel, leaf spring and the cover for the control bulkheads (201.11.0183). The gas spring must be exchanged for a new 1000 N-gas spring of the same type. Then change the rudder pedals so that they have sufficient free movement at the wire cable distributor duct when the canopy is closed; the clearance between the pedals must be at least 40 mm.

Materials: See the drawing mentioned under above para "Action".

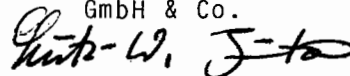
Mass and C.G. position: Owing to the modification the empty mass is increased by about 2 kg (4,4 lbs) and the empty mass C.G. is slightly moved forwards. Therefore, it is necessary to re-establish mass and C.G. data.

Notes:

1. Only original parts from the manufacturer are permissible for this modification.
2. This modification must be accomplished only by the manufacturer or by technical aviation service station holding an appropriate license; the accomplishment must be certified in the glider logbook and the inspection certificates.

Poppenhausen, February 14, 1986

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The German original of this Technical Note is approved by the LBA under the date of March 3, 1986 (signature: SCHMALJOHANN). The translation into English has been done by best knowledge and judgment; in any case of doubt the German original is controlling.

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