

Subject: Instrument binnacle hinging upwards with the canopy.

Affected gliders: All ASW 19 and 19 B; optionally.

Compliance: None; optional modification.

Reason:

1. As of this date the above-mentioned gliders can be equipped with an upward-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.
2. As an additional option, the existing canopy locking handles can be exchanged for the new handles of the ASK 23; with these new swivel handles it is distinctly visible whether the canopy is open or locked.

Action:

1. According to drawing no.190/200.11.S30 the canopy hinge is modified; the instrument panel beam, the panel itself, the leaf spring and the control bulkheads fairing (201.11.0183) are built and installed. The gas-spring must be exchanged for a new 1000 N gas-spring of the same type. The rudder pedals must be modified so that there is 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.
2. According to drawings no.99.000.2365, 99.000.8856, and 99.000.2644 these parts are built and installed. In this case the locking pushrod (99.000.8856) must be cut by 55 mm (2,17 inch) to a length of 510 mm (20,08 inch). When the canopy is locked, you measure at the canopy frame how far the locking pushrod protrudes out of the frame; accordingly the new pushrod is fitted.

Material & drawings: See the drawings stated in the above para "Action".

Mass and C.G.: Owing to the modification, the empty mass is increased by about 2 kg (4,5 lbs) and the empty mass C.G. is slightly moved forward. Therefore, it is necessary to redetermine the mass and C.G. data.

Zu widerhandlungen verpflichtet zu Schadenersatz. Alle Rechte für den Fall der Patenterteilung oder Gebrauchsmuster-Ertragung vorbehalten.


Weitergabe sowie Vervielfältigung dieser Unterlage, Verwertung und Mitteilung ihres Inhalts nicht gestattet, soweit nicht ausdrücklich zugestanden.

Notes:

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

Poppenhausen, February 17, 1986

ALEXANDER SCHLEICHER
GmbH & Co.


L.-W. Juntow.

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

Zwiderhandlungen verpflichten zu Schadenersatz. Alle Rechte für den Fall der Patenterteilung.

Weitergabe, sowie Vervielfältigung dieser Unterlage, Verwertung und Mitteilung ihres Inhalts, nicht gestattet, soweit nicht ausdrücklich zug.