

Subject: A) Amendment of the Maintenance Manual.
B) Inspection Program To Increase The Service Life.

Serial number applicability: ASW 20, all model variants, Data Sheet No. L-314.
ASW 20 TOP, all model variants, Data Sheet No. 05.851, and
ASW 24 prototype, serial no. 24000.

Compliance: A) Prior to the next annual C. of A. inspection, but before or on Dec. 31, 1998, at the latest.
B) Prior to reaching a total service life of 3000 or 6000 flight hours respectively.

Reason: Fatigue tests on Glas fibre reinforced plastic (GRP) wings and GRP wing spars have shown that a service life expectancy of 12000 hours can be reached for these components without problems. However, as this fatigue test program did not examine the entire aircraft made of GRP, this service life of 12000 hours can be granted only if the long-term airworthiness of each individual aircraft is demonstrated in a special multi-stage inspection program (over and above the mandatory annual C of A inspections) for the purpose of increasing the service life.
For the ASW 20 TOP production versions the service life increase applies to the airframe only, the removable engine unit is not to be affected by this TN. The ASW 24 prototype corresponds to an ASW 20 B with fixed flaps and therefore falls within the scope of this TN.

Action: The Maintenance Manual pages must be exchanged for new pages with the same page no., but with the revision entry & date „Issue 16.02.98 Juntow / Revision: TN-No. 39“ and the additional new pages must be inserted. The accomplishment of the change to the Manual must be documented on Page "Index of Corrections" (Maintenance Manual) or Page "Amendments to the Manual" (Operations Manual) respectively. The instructions and notes given in the amended and in the new manual pages must be regarded!

For ASW 20 +TOP	Operations Manual pages: 40a, 40b, 40l & 40s
For ASW 20 L +TOP	Operations Manual pages: 44a, 44b, 44l & 44s
For ASW 20 B +TOP	Maintenance Manual pages: 57, 58, 59 & 71
For ASW 20 BL +TOP	Maintenance Manual pages: 57, 58, 59 & 71
For ASW 20 C +TOP	Maintenance Manual pages: 57, 58, 59 & 71
For ASW 20 CL +TOP	Maintenance Manual pages: 57, 58, 59 & 71

For the ASW 24 prototype the new and amended ASW 20 B manual pages are applicable.

Material &

Drawings: The manual pages, Maintenance Instructions, as well as the "Inspection Program To Increase The Service Life, issue 2" can be ordered from Messrs. SCHLEICHER, or from the SCHLEICHER agency in your country. **You always need to state the glider model and serial number.**
Contact:

Alexander Schleicher GmbH & Co.
P.O.Box 60, D-36161 Poppenhausen
Tel +49 6658 890 or Fax +49 6658 8940

Notes: The "Inspection To Increase The Service Life" must only be accomplished by the manufacturer or by a technical aviation service station holding an appropriate license; the accomplishment must be certified by a licensed aviation inspector in the glider logbook and in the glider inspection certificates. The amendment to the Manual can be done by the operator of the glider himself.
The Technical Note no.39 dated Feb.16, 1998, is herewith cancelled!

Poppenhausen, April 17, 1998

Alexander Schleicher
GmbH & Co.

By order (Lutz-W. Juntow)

The German original of this Technical Note has been approved by the LBA under the date of April 24, 1998 (signature: U. Kopp).

The translation into English has been done by best knowledge and judgement; in any case of doubt the German original is controlling.