



Luftfahrt-Bundesamt
-AD-Department-

Airworthiness Directive

*In case of any difficulty, reference should be made
to the German original issue*

94-026 Schleicher

Date of issue: 01.02.1994

Affected gliders:

German Type Certificate No. 339

Schleicher

- A) all ASK 21
- S/N's 21001 up to 21554
- B) all ASK 21
- S/N 21001 and up

Subjekt:

- A) Amendment of the Maintenance Manual
- B) Inspection Program to increase the service life

Reason:

The results of fatigue tests on fiber composite wings and wing spars have demonstrated that a service life of 12000 hours can be reached for these structural components. As the fatigue tests did not cover the entire (fiber composite) glider, the service life of 12000 hours can be granted only if the airworthiness of each individual glider (beyond the obligatory annual C. of A. inspections) is demonstrated in a special multi-step inspection program for the purpose of increasing the service life.

Actions:

Change Maintenance Manual pages in accordance with Alexander Schleicher ASK 21 Technical Note-No. 24 dated May 04, 1992.
Perform a inspection program to increase the service life.

Compliance:

- A) By the next annual C. of A. inspection, but not later than December 31, 1994.
- B) Prior to reaching a service life of 3000 hours.

Technical publication of the manufacturer:

Alexander Schleicher Technical Note-No. 24 of May 04, 1992 which becomes herewith part of this AD and may be obtained from Messrs.

Alexander Schleicher GmbH & Co.
Segelflugzeugbau

D-36163 Poppenhausen
Federal Republic of Germany

Accomplishment and log book entry:

The change of Maintenance Manual pages can be accomplished by an approved service station, an authorized person or the holder and to be checked and entered in the glider's log by a licensed inspector.
The inspection to increase the service life must only be accomplished by the manufacturer or by an approved service station and to be checked and entered in the gliders log by a licensed inspector.