



**Subject:** Extension of service life

**Concerned:** Sailplane Model: TCDS No. 320  
SPEED ASTIR II S/N 4001 - 4027  
SPEED ASTIR IIb S/N 4028 - 4107

**Urgency:**

- 1. Before reaching a service time of 3000 flight hours:**
  - actions 1, 2 and 3
- 2. Before reaching a service time of 3000, 6000, 7000, 8000, 9000, 10000, 11000 flight hours:**
  - action 3
- 3. Before reaching a service time of 9500, 10500, 11500 flight hours:**
  - action 4

**Procedure:** The results of performed fatigue tests have shown, that the service life of GRP/CRP - sailplanes can be increased to a maximum of 12000 flight hours.

**Actions:**

- The following revisions must be performed in the Flight Manuals:
  - issue german exchange pages: 23.03.98, Revision 4
  - issue english exchange pages: 23.03.98, Revision 2
  - Page 1: Updated
  - Page 3: Contents
  - Page 32, 33: Service Life


The following revisions must be performed in the Maintenance Manuals:

- issue german exchange pages: 23.03.98, Revision 1
  - issue english exchange pages: 23.03.98, Revision 1
  - Page 1: Index
  - Page 2: Updates
  - Page 29: Extension of service life (SPEED II)
  - Page 30: Extension of service life (SPEED IIB)
- Installation of inspection holes in the area of the elastic flaps and ailerons according to Installation Instructions No. 320-7.
  - Inspection according to the Inspection Record "Extension of Life Time".
  - The following inspections (visual inspection, tapping) must be performed:
    - wing root rib external:
      - wing/ fuselage attachment fittings secure in laminate
      - wing connecting bolts: wear, corrosion, deformation
    - spar stub:
      - main spar spigot
      - spar pin fitting tight in laminate



- Material:** The Inspection Record and the material for action 2 including installation instructions can be ordered from the manufacturer (please note S/N and flight hours)
- Weight and Balance:** Empty weight and the center of gravity must be determined newly (refer to Inspection Record)
- Remarks:**
1. The series SPEED ASTIR is certified for single aerobatics according to the Flight Manual. By the "KOSMOS-Kollektiv" 1500 hours aerobatic flight is covered during the service life of 12000 hours. Aerobatic hours exceeding 1500 hours, are not covered, that means, in the service life of 12000 hours a maximum of 1500 hours aerobatics are included.
  2. The actions must be carried out by an authorized aviation workshop and have to be certified in the log book by an authorized inspector.
  3. After inspection the completed Inspection Record must be filed in the airplane history record and a copy sent to GROB for evaluation.
  4. If you have sold your sailplane in the meantime, would you kindly pass this information on to the new owner and forward his name and address and aircraft S/N to us.

Mattsies, 23 March 1998



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**LBA approved:**

This Service Bulletin is originally written in German and approved by the German LBA on the 14 October 1998. The translation has been accomplished to the best of our knowledge and judgement.