

Airworthiness Directive

71-131 SCHEIBE FLUGZEUGBAU

Affected Powered Glider Model: SF 25 B "Falke"

German Type Certificate No. 653

Serial Numbers 4601 thru 46174

Reason

Incorporation of Modification No. 120 of the Manufacturer due to several reports of cracks in lower engine mounting bolts with STAMO MS 1500 engine.

Action

Remove top and bottom engine fairings and cockpit cover plate. Disconnect nipple connections for throttle and choke Bowden cables and if so equipped also from the propeller brake control lever.

Remove clamps on oil pressure, oil temperature and carburetor drain tube, tachometer drive and ignition cable on upper engine mounting struts and fuel line clamps on the upper fire wall strut and remove ignition switch plug. Hereafter remove splints from engine mounting bolts (2 on the outside and 2 from the cockpit side).

Supporting the engine and after removing nuts pull off the engine in forward direction and set down on a supporting stand so that engine lines and cables will not be stretched.

Remove rubber sleeves from two lower bolts and turn out lower bolts using two counternuts and replace by two new bolts, LBA 480, (to be ordered from the manufacturer).

Note: The marked end must stay visible when entering the bolts into the engine housing. Bore holes for the lock wire before assembly conform the splint holes of the discarded bolts.

Arrange washers in following sequence:

1. Steel washer, half of the existing rubber washers (2 or 3), bearing sleeve with rubber sleeve in the frame, other half of the rubber washers, 1 steel washer, 1 slotted nut.

Relockwire nuts and secure all loosened lines and cables.

Connecting bowden cables adjust:

- a) Pilot throttle control - in full open position.  
Engine throttle control lever - fully open against stop nut.
- b) Choke control knob inside cockpit - fully home.  
Choke control lever at engine - fully open.
- c) Propeller brake (if so equipped) should not drag at starter ring gear if handle in the cockpit is in front position.

Scheibe Technical Bulletin SF 25 B No. 2/71 pertains to this subject.

Compliance

At the next 25 hrs-check.

Accomplishment to be entered in the aircraft log by a licensed inspector.

Note: For further information and spare parts please contact Messrs. Scheibe Flugzeugbau GmbH, 806 Dachau, August-Pfaltz-Str. 23