Subject: Fuel indication

Effectivity: Powered glider SF 25 B Falcon
serial no. 4601 - 46258
" " 4801 - 4868

SF 25 C Falcon
serial no. 4401 - 44133
" " 4201 - 4252

Accomplishment: Instruction 1 before the next flight
Instruction 2 before 31.3.1976

Reason: When the upper part of the tube to the fuel indication is making a bend behind the luggage compartment, it is possible that fuel can fill this loop through overflow cause a wrong indication.

Actions: 1. action: check, if eventually the upper part of the tube to the fuel indication is making a bend (see the attached sketch). The upper tube must ascend from the hole in the rear luggage compartment to the tank.
The check is easily possible, when the upper part of the rear luggage compartment is pulled forward (without taking it away) about 50 mm, by help of a piece of metal sheet. Through the rear part of the Plexiglass perapex it is possible to make the check evtl. by help of a lamp.
When the tube continually ascend the motorglider can continue its operation.

2. action: when the upper part of the tube for the fuel indication makes a loop, the tube must be replaced. For this work the rear part of the luggage compartment has to be removed (4 screws).
Loosen the fastener for the tube, and the old tube can be removed. Assemble the new tube without loop.
To avoid that the tube get a sharp bend it is recommended to put a spring into the tube. Assemble the rear part of the luggage compartment again.
Check afterwards according to 1. action. It is not recommended to shorten the old tube because of danger for cracking.

Material: approx. 0,5 m transparent soft-PVC-tube outer diameter 8 mm, wall thickness 1,5 mm. Approx 0,45 m steel spring outer diameter 4,5 mm; spring steel wire diameter 0,5 mm; 60 turns/100 mm length.

Weight and balance: without influence
Remarks:
Accomplishment of the 1. action by the owner or by an authorized person.
Accomplishment of the 2. action by an authorized workshop or person only.
Accomplishment of the actions are to be entered in the aircraft logbook by a licensed inspector.

SCHIEBE FLUGZEUGBAU GMBH
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20.1.1976

[Signature]
here no bend

here by help of an angle (see down) pull about 50mm forward

flight direction

Luggage compartment

to fuel valve

angle for checking

≈ 100

6

sheet 0.5 (al or steel)

16.1.1976

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