DG Flugzeugbau GmbH
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Technical Note

No.348/13
843/14

Subject : Front landing gear operating handle / Teflon bush

Effectivity : DG-500 all models, DG-500M model DG-500MB
from serial no. 5E169 up to 5E199

Accomplishment : Instruction 1 prior to each take-off until instruction 2 has been executed
Instruction 2 up to April 30. 2000

Reason : On one DG-500 the Teflon bush inside the pushrod of the front landing gear handle came loose and slipped out so far that extending the landing gear completely was no longer possible and a gear -up landing had to be executed.
On serial no's before 5E169 the bush was secured in a different manner, so that those gliders are not affected by this TN.

Instructions : Please refer to diagram 7 of the maintenance manual

1. Check prior to each take-off if the bush has moved out.
2. Exchange the landing gear handle 5FW39. See instructions below. The handle will be delivered as an exchange part.

Working instructions

a) retract the landing gear
b) disassemble the rear connection of the pushrod located in the front of the rear cockpit by removing split pin and clevis pin.
c) unscrew the guiding tube 5St68/2 in the front cockpit. Take it out together with 5FW39 and remove it from 5FW39.
d) reverse the procedure to install the exchange part, use new split pin and selflocking nut.

Material : 1 landing gear handle/pushrod 5FW39
1 selflocking nut M6 LN9348
1 split pin 1,5x12 DIN 94 zn

Weight and balance : no influence

Remarks : The instructions may be executed by the owner.
They must be inspected and entered in the aircraft logs at the next annual inspection.

Bruchsal, date: February 29.2000

LBA – approved:

Author:
Dipl. Ing. Wilhelm Dirks

The German original of this TN has been approved by the LBA under the date of and is signed by Mr. Fendt. The translation into English has been done by best knowledge and judgement.

Type certification inspector:
Dipl. Ing. Swen Lehner