DG Flugzeugbau GmbH
Postfach 4120 76625 Bruchsal
Tel. 07257/890

Technical Note
No. 843-9

Subject : Pulley for C.G.-tow release cable, manual revision

Effectivity : DG-500M, all serial no's

Accomplishment : Instruction 1 prior to next flight
Instruction 2, 3, 4 at latest by February 28. 1998

Reason : 1.: On a DG-500 the pulley for C.G.-tow release cable moved a little in axial direction as the ball bearing in the pulley came loose. With this incorrect position of the pulley the cable can come off the pulley and jam between pulley and the housing of the pulley.
2.: The fluid of the hydraulic wheel brake system must be exchanged every 4 years. This was added also to the maintenance manual section "3. Maintenance".
3.: Manual revision

Instructions :
1. Check the position of the pulley. If the pulley is out of centre, the pulley must be replaced prior to the next flight. To get access to the pulley the rear seat must be removed. Unscrew the bolts of the hinges at the front end of the seat. The pulley is located in the lower end of the fuselage main bulkhead at the left hand side behind the C.G. tow hook.
2. Replace the pulley by an aluminium pulley part no. S 30. The mounting bolt is accessible from the landing gear box. Use a new self-locking nut for reinstallation of the pulley.
3. If the brake fluid hasn't been exchanged within the last 4 years, you have to exchange the brake fluid according to the maintenance manual.
4. Exchange the following manual pages against the new pages issued October 1997 marked with TN 348/9.

Maintenance manual
1 ,3, 52

Material : 1 Pulley S 30
1 self-locking nut M6 DIN 985-8zn
Brake fluid DOT 3, DOT4 or SAEJ 1703
Manual pages see instruction 4

Weight and balance : Influence negligible

Remarks : Instruction No. 2 is to be executed by the manufacturer or by a licensed workshop and to be inspected and entered in the aircraft logs by a licensed inspector.

Bruchsal, date: 21. Nov. 97

Author:
Dipl. Ing. Wilhelm Dirks

LBA – approved:

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. In any case of doubt the German original is authorative.

Type certification inspector:
Dipl. Ing. Swen Lehner