DG Flugzeugbau GmbH
76646 Bruchsal

Technical Note
No. 843/16

Subject : Greasing schedule / manual revision

Effectivity : DG-500M all serial no., DG-500MB all serial no.

Accomplishment : 31.03.2001

Reason :
1. The greasing schedule in the maintenance manual does not point out the bearings which are accessible via the access panels in both cockpits, so it must be assumed that on some gliders these bearings have never been serviced.
2. The time between lubrications can be increased to 1 year due to service experience.
3. The securing ropes of the head rest in the rear cockpit must prevent the head-rest from interfering with the rear control stick when the head rest is moved to its most forward position.
4. On the DG-500MB the carburettor control lever was replaced by an improved lever from ser. no. 5E213 and on. This new lever can also be installed on earlier ser.nos. as an option.
5. Some manual corrections.

Instructions :
1. Remove the access panels (2 in the front and 2 in the rear cockpit): You have to remove the height adjustable seat pan from the rear cockpit first. Clean and grease all accessible bearings (ball bearings and rod ends with universal bearings). Reinstall access panels and seat pan.
2. Check the securing ropes of the head rest in the rear cockpit for wear and correct length. The securing ropes must prevent the head rest from interfering with the rear control stick when the head rest is moved to its most forward position.
3. Exchange the following manual pages against new pages issued January 2001 marked with TN 843/16:

Model	Flight manual	Maintenance manual
DG-500 M	0.1, 0.3, 0.5, 4.8, 7.14, 8.2	1, 2, 3, 11, 45, 63
DG-500 MB	0.1, 0.3, 4.8	1, 2, 3, 4, 11, 19, 27, 45, 47, 48, 49, 51, 54, 62, 71, 79, 91 wiring scheme 5E101 (issued 10.05.00), drawing W40 (issued 30.11.99)

Material : Multi-purpose greases for rolling element bearings
Nylon or Perlon cord 3mm
Manual pages see instruction 3

Weight and balance : /

Remarks : All instructions may be executed by the owner. They have to be inspected and entered in the aircraft logs by a licensed inspector with the next annual inspection.

Bruchsal, date:
January 26. 2001

LBA – approved:

Author:
Dipl. Ing. Wilhelm Dirks

The German original of this TN has been approved by the LBA under the date of *Feb. 7. 2001* and is signed by Mr. *Blume*. The translation into English has been done by best knowledge and judgement.

Type certification inspector:
Dipl. Ing. Swen Lehner