

- Subject : Spindle drive motor and attachment fork
- Effectivity : DG-500MB all Ser.No's
- Accomplishment : Instructions 1, 2 und 3 latest May 31. 2006
- Reason : 1. On a DG-500MB the electric motor of the spindle drive detached itself from the spindle drive, causing the powerplant to retract itself after engine shutdown. In another case the attachment fork on the spindle drive failed, with the same consequences.
2. Some manual corrections.
- Instructions : 1. Execution of the instructions in working instruction No. 1 for this TN
2. Inspection and possible exchange of the attachment fork on the spindle drive according to working instruction No.2 for this TN
3. Exchange the following manual pages against new pages issued January 2006 marked with TN 843/24:

Model	Flight manual	Maintenance manual	Repair manual
DG-500MB	0.1, 0.3, 0.4, 2.8, 3.7, 3.8, 4.1, 4.25, 4.26	1, 2, 3, 4, 5, 42, 49, 68, 89, 89a, 93, Enclosure 1	1, 2, 7, 8

- Material : Acetic acid free silicone (for example Dow Corning 736)
2 pcs. 40872261 Bushing for safety cable 8M226/1
2 pcs. 40872262 Bushing for safety cable 8M226/2
2 pcs. 40572101 Safety cable 5M210/1
2 pcs. Nicopress sleeves 28-3-M Cu
1 pcs. Bolt M8x62 LN9037
1 pcs. Bolt M10x65 LN9037
2 pcs. Washer 8,4 DIN9021 Stzn
2 pcs. Washer 10,5 DIN9021 Stzn
1 pcs. Nut M8 DIN985-8 zn
1 pcs. Nut M10 DIN985-8 zn
Manual pages see instruction 3
- If required per Instruction 2:
1 pcs. 40872295 Bearing Support 8M229/1'e'
1 pcs. 40872331 Attachment fork 8M233/1'f'
2 pcs. Bolt M6x25 DIN7991-8.8zn
4 pcs. Nuts M6 DIN985-8 zn
2 pcs. 40572101 Safety cable 5M211/1 instead of safety cable 5M210/1

Weight and balance : influence negligible

Remarks : Instructions No. 1 and 2 are to be executed by the manufacturer or by a licensed workshop. Instruction No. 3 may to be executed by the owner.
All instructions are to be inspected and entered in the aircraft logs by a licensed inspector.

Bruchsal, date: 31.01.06

LBA – approved:



Author:
R. van der Bos B.Eng.

The translation into English has been done by best knowledge and judgement.

EASA approved on _____ under Approval No. 2006-0051

06. MÄR. 2006

