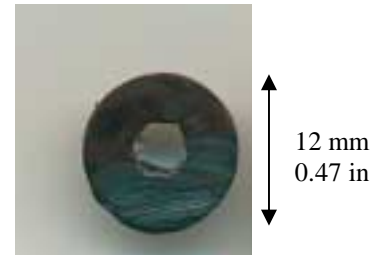


Subject : Connection of the starter ring gear to the adaptor for the lower drive belt pulley

Effectivity : DG-800B all serial No.'s up to 8-260 except for 8-247 and 8-258
DG 500MB all serial No.'s up to 5E220B15 except for 5E190B5

Accomplishment : Instruction 1: With every daily inspection until instruction 2 has been executed.
Instruction 2: If damage of the connection is suspected, e.g. a bolt head found in the engine compartment, latest Dec. 31. 2004.

Reason : In some cases the bolts which connect the starter ring gear to the lower drive belt pulley adaptor failed. The sheared off bolt heads have been found in the engine compartment, see photo. A method is given herewith to repair the existing part for a durable connection.



bolt head which has been sheared off

Instructions : 1. Search for bolt heads prior to and after each flight. If a bolt head is found, the engine should not be used any more to prevent from further damage.
2. a) Modify the connection according to working instruction No. 1 for this TN.
b) If the aircraft logs prove that the modification has already been executed (according to DG service info 48/02) the repair has to be inspected and entered in the aircraft logs by a licensed inspector

Material : - Working instruction No. 1 for TN 873/30
- 1 box Araldite AV119 (100g)
- grinding paper 60 grit
- 5 bolts M6x10 DIN7991-10.9 DAC
- Acetone

tools: various

+ to pull off the lower drive belt pulley
1 flange bolt (incl. in SOLO tool kit)
1 puller assembly W40 (drawing encl. to the maintenance manual) with
1 bolt M 12 x 90 DIN 933-8.8 and
4 bolts M5 x 20 DIN 912-10.9

Weight and balance : influence negligible

Remarks : Instruction 2 may be executed by the owner if he is experienced with this type of work, otherwise they are to be executed by the manufacturer or by a licensed workshop.

All instructions have to be inspected and entered in the aircraft logs by a licensed inspector with the next annual inspection.

Author:
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The German original of this TN has been approved by the LBA under the date of 29. June 2004 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

EASA approved on 9. July 2004 under Approval No. 2004-7328