**DG Flugzeugbau GmbH**
**76646 Bruchsal**

# Service Info
No. 48/02



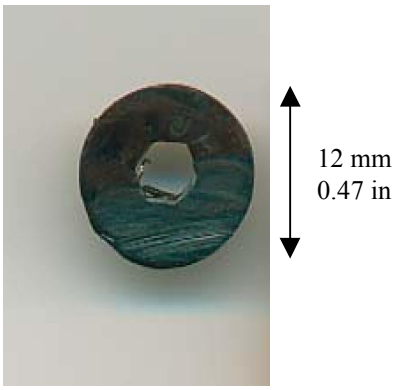
Subject : Repair of the connection of the starter ring gear to the adapter for the lower drive belt pulley

Effectivity : DG-800B all serial No.'s
DG 500MB all serial No.'s

Accomplishment : If a damage is suspected, e.g. a bolt head found in the engine compartment

Reason : In some cases the bolts which connect the starter ring gear to the lower drive belt pulley adapter failed. The sheared off bolt head have been found in the engine compartment, see photo 1.
A repair method is given herewith to repair the existing part for a durable connection.

Photo 1: bolt head which has been sheared off




Instructions :
1. Search for bolt heads prior and after each flight.
2. If such part was found. the engine should not be used any more to prevent from further damage.
   Repair the connection according to working instruction No. 1 for service info 48/02.

Material :
- Working instruction No. 1 for service info 48/02
- 1 box Araldite AV119 (100g)
- grinding paper 60 grit
- 5 bolts M6×12 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 912-8.8

Weight and balance : influence negligible

Remarks : All instructions may be executed by the owner if he is experienced with such type of work.
All instructions have to be inspected and entered in the aircraft logs by a licensed inspector with the next annual inspection.

Bruchsal, date:
June 27th, 2002

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