



- Subject : Rubber element for upper engine mount
- Effectivity type: DG single seaters / DG-800
variants: DG-400 / DG-800A, LA
- Accomplishment : In case a rubber element of the upper engine mount is damaged
- Reason : The rubber element with which the engine is mounted at the upper end of the drive mount (2 pieces) was produced for DG as special version (DG drawing No. S90) from high strength stainless steel to improve the insufficient fatigue strength of the original element (Schwingmetall rubber element Form Nr. 31510).
As these parts are sold out at DG a new order should have been placed. However the manufacturer Continental has raised the minimum order quantity so far that a new order is economically no more feasible. To ensure further delivery of spare parts a new solution has been developed using the original elements and reinforcing them with carbon fibre to improve the fatigue strength, these parts are named S90/2.
- Instructions : Install rubber elements S90/2 instead of S90.
Replace the bolts M6x20 DIN912-8.8 zn by bolts M6x22 DIN912-8.8 zn.
Install a washer 6,4 DIN125 St zn Form B under each bolt head. The chamfer of the washer must show towards the rubber mount.
Use new self locking nuts M6 DIN985-8 zn.
- Material : 2 items DG part No. 40050902 rubber elements S90/2
8 items DG part No. 50062202 M6x22 DIN912-8.8 zn
8 items DG part No. 51060020 self locking nuts M6 DIN985-8 zn
8 items DG part No. 52060001 washer 6,4 DIN125 St zn Form B
- Weight and balance : influence negligible
- Remarks : Use only genuine spare parts.
Parts (except for standard parts) and material kits shall only be installed if an EASA Form 1 is existent for these products.
The DG invoice is valid as "Certificate of conformity" for standard parts.

Instructions may be executed by the pilot/owner himself.
The actions are to be inspected and released by the pilot/owner (according to MA. 801 (b) 3. for EASA registered aircraft).

If you have any questions concerning this TN please contact DG
Flugzeugbau: Tel.: 0049 7251 3020-0, e-mail: dg@dg-flugzeugbau.de

Bruchsal, date:
19.06.2018

Author: Modifications/repairs approved under the authority of DOA Ref.
WilhelmDirks EASA.21J.530 under Minor Change No. TM DG-SS-04, dated 19.06.2018.

The technical content of this document is approved under the authority of DOA Ref. EASA.21J.530.