DG Flugzeugbau GmbH
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Technical Note
No. 843/25

Subject : Power plant ignition system

Effectivity : DG-500 M all Ser. No.'s.

Accomplishment : In case of defect of one ignition box

Reason :
1. The Bosch Polarfire ignition boxes ,used until now with the Rotax 535 C engine, are no longer available. In case of defect of one the electronic boxes the ignition system has to be modified according to working instruction No. 1. Both electronic boxes have to be exchanged.
2. The Ducati ignition boxes used by Rotax (installed with TM843/4 or during serial-production) are no longer available. In case of defect of one box you have to install Ducati 432372501 boxes and change the wiring according to working instruction No. 2. Both electronic boxes have to be exchanged.

Instructions :
1. Remove front and rear DEI and ship to manufacturer for installation of filters, reinstall the modified DEI's.
2. If the engine is equipped with Bosch Polarfire ignition electronic boxes:
   a. Modify the system according to working instruction No. 1 and No. 2 for TN 843/25.
      Exchange the manual to „Manual for ROTAX-engine type 535 C, 2nd edition January 1992".
   b. File drawing 5E43 to the aircraft logs in addition to page 16 of the engine manual.
3. If the engine is equipped with Ducati ignition electronic boxes
   a. Modify the system according to working instruction no. 2
   b. File drawing 5E43 to the aircraft logs in addition to page 16 of the engine manual.

Material : Instruction 1:
a. working instructions no. 1 and 2
   Service kit No. 21000118
b. Manual for ROTAX-engine type 535 C, 2nd edition January 1992
c. drawing 5E43

Instruction 2:
a. working instruction no. 2
   Service kit No. 21000119
b. drawing 5E43

Weight and balance : influence negligible

Remarks : Instructions are to be executed by the manufacturer or by a licensed workshop and to be inspected and entered in the aircraft logs by a licensed inspector.

Bruchsal
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