

Subject: Engine Rotax 505, canopy emergency release, DEI

Effectivity: Motorglider DG-400, type certificate No. 826, serial-  
No. 4-1 to 4-87

Accomplishment: Within 30 days

Reason:

1. Engine Rotax 505

- a) for safety reasons the Rotax factory has changed the fuel mixing ratio for the Rotax 505 from 1:40 to 1:50.
- b) The spark plug type Bosch W 250 T 2 is out of production but replaced by the type Bosch W 4 C.
- c) With more knowledge gained by experience a section "power plant trouble shooting" could be added to the flight manual and it was necessary to change the procedure for "starting the engine with the starter not working".

2. Canopy emergency release

Due to experience a change of the procedures for checking and servicing the canopy emergency release was necessary.

3. DEI

The DEI circuit is to be secured by a 1,6 A fast fuse instead of a 2,5 A medium fuse for better protection in case of short circuit.

Instructions:

1. Flight manual

page 0 - Ammendments No. 4

page 2 - content

page 9 - fuse (item 15)

page 19 - fuel mixing ratio

page 25 - starting on the ground

page 64,65 - power plant trouble shooting

The pages 0,2,9,19 and 25 (issued June 1984) are to be exchanged and the pages 64, 65 (issued June 1984) to be filed into the manual.

2. Maintenance manual

page 1 - Amendments

page 13,

14 - Spark plug

page 23 - fuses

page 26,

31 - check and servicing of the canopy emergency  
release.

diagr.11 - placards

All mentioned pages are to exchange against those  
issued June 1984.

3. Placarting at the fuel filler hole

Change to mixing ratio 1 : 50 instead of 1 : 40

4. Placarting on the fuse holder plate

Change to 1,6 A instead of 2,5 A for the DEI fuse.

5. Check of the canopy emergency release

According to the instruction in the flight and main-  
tenance manuals.

Remarks:

All instructions may be executed by an experienced person  
and are to be entered in the aircraft log.

7520 Bruchsal 4, den 14.06.1984/mü



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LBA-approved

Subject: Flight and maintenance manual, placards

Effectivity: DG-400, serial-No. 4-1 to 4-87

Accomplishment: Within 30 days.

Reason:

1. The Rotax factory has changed the fuel mixing ratio for the Rotax 505 from 1:40 to 1:50.
2. With more knowledge gained by experience some changes in the DG-400 have been executed.
  - a) Check of the canopy emergency release.
  - b) Power plant trouble shooting.
  - c) Starting the engine with the starter not working.
3. The spark plug Bosch W 250 T 2 is out of production but replaced by Bosch W 4 C.
4. The DEI circuit should be secured by a 1,6 A fast fuse instead of 2,5 A medium for better protection in case of short circuit.

Instructions:

1. Changes in the flight manual  
Date of issue: June 1984  
Content page 2,  
pages 9, 19, 25, 64, 65
2. Changes in the maintenance manual  
Date of issue: June 1984  
pages 13, 14, 23, 26, 31, diagram 11
3. Change of the placarding at the fuel filler  
Mixing ratio 1:50 instead of 1:40 (tape).
4. Change on the fuse holder plate  
1,6 A instead of 2,5 A for the DEI (tape).
5. Check the canopy emergency release.

Remarks: All instructions may be executed by the owner himself.

7520 Bruchsal 4, 14.06.1984/mü

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