DG Flugzeugbau GmbH
76646 Bruchsal

Service Info

No. 34/99

Subject	:	Tail ballast for flight with the engine removed
Effectivity	:	DG-500 MB all serial no's
Accomplishment	:	For flight with the engine removed
Reason	:	This service info is mentioned in section 4.6 of the DG-500MB flight manual
Instructions	:	To install the extra weight in the tail mentioned in section 4.6 of the DG-500MB flight manual proceed as follows: 1. Exchange the tail wheel with plastic hub against a tail wheel with brass hub part No. S27/1 according to drawing S27. All necessary parts are contained in the installation kit part No. S27/4. The extra mass is 3.1kg. 2. Remove the rudder, you should find 2 plastic tubes in the corners of the fin. Install a brass bar dia. 35mm, 390mm long into each tube according to drawing 5L38. The extra mass is 3.18kg per bar.
Material	:	Drawing S27 Installation kit S27/4 consisting of the following parts: 1. Tailwheel hub S27/1 completely assembled with tube and tyre 2. 1 bush S27/2 3. 2 bushes S27/3 4. 1 bolt M8x90 DIN931-8.8 zn shortened to 84mm 5. 2 washers 8.4DIN125 St zn 6. 1 self-locking nut M8 SSN003 Drawing 5L38 2 brass bars dia. 35mm, 390mm long 6 bolts M5x12 DIN933-8.8zn Loctite 243
Weight and balance	:	Perform a calculation according to flight manual section 6.9.
Remarks	:	All instructions may be executed by the owner.

Bruchsal, date:
January 1999

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