

- 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:  
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