



**Airworthiness  
Directive  
D-2005-077**

**Luftfahrt-Bundesamt**  
Airworthiness Directive Section  
Hermann-Blenk-Str. 26  
38108 Braunschweig  
Federal Republic of Germany

**Grob**

**Effective Date: February 09, 2005**

**Affected:**

|                               |                                      |
|-------------------------------|--------------------------------------|
| Kind of aeronautical product: | Airplane                             |
| Manufacturer:                 | GROB, Tussenhausen-Mattsies, Germany |
| Type:                         | Grob G 115                           |
| Models affected:              | G 115TA                              |
| Serial numbers affected:      | all                                  |
| German Type Certificate No.:  | 1078                                 |

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**Subject:**

Main Landing Gear - Exchange of the Main Landing Gear front and rear spherical bearings

**Reason:**

GROB received an incident report regarding a damaged spherical bearing, as installed into the Main Landing Gear rear bearing assembly of the G120A. Investigation has shown that the bearing inner ring was shifted against the outer ring, indicating that the bearing was exposed to high axial loads. All affected bearings will be replaced by an improved type that can tolerate higher axial loads. The G115TA uses the same components, so the bearings must be changed in analogy.

**Action:**

Exchange of the Main Landing Gear front and rear spherical bearings in accordance with the instructions given in the Service Bulletin.

**Compliance:**

The actions must be performed within the next 100 hours-inspection after receipt of material at latest.

**Technical publication of the manufacturer:**

Grob Service Bulletin MSB1078-153, dated November 22, 2004 which becomes herewith part of this AD can be obtained from Messrs.:

GROB Luft- und Raumfahrt  
Lettenbachstrasse 9  
D-86874 Tussenhausen-Mattsies / Germany

Phone: ++ 49 8268 / 998139      Fax: ++ 49 8268 / 998200  
e-mail: [productsupport@grob-aerospace.de](mailto:productsupport@grob-aerospace.de)

**Holders of affected aircraft registered in Germany have to observe the following:**

Action has to be accomplished by the owner of the aircraft or an approved service station and to be checked and entered in the log book by a licensed inspector.

As a result of the a.m. deficiencies, the airworthiness of the aircraft is affected to such an extent that after the expiry of the a.m. dates the aircraft may be operated only after proper accomplishment of the prescribed actions. In the interest of aviation safety outweighing the interest of the receiver in a postponement of the prescribed actions, the immediate compliance with this AD is to be directed.

An appeal to this notice may be raised within a period of one month following notification. Appeals are to be raised with the Luftfahrt-Bundesamt, Hermann-Blenk-Str. 26, 38108 Braunschweig, in writing or for the purpose of drawing up minutes.

**EASA-Approval**

Approved by EASA under Approval-No. 2005-1385 on February 09, 2005.

Enquiries regarding this Airworthiness Directive should be referred to Mr. Olaf Schneider, Airworthiness Directive Section at the above address, fax-no. 0049 531/2355-720. Please note, that in case of any difficulty, reference should be made to the German issue!