



**Airworthiness
Directive
2003-164/2**

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

Effective Date: May 22, 2003

Grob

Affected:

Kind of aeronautical product: Airplane
Manufacturer: Grob, Tussenhausen-Mattsies, Germany
Type: Grob G 120
Models affected: G 120 A and G 120 A-I
Serial numbers affected: all
German Type Certificate No.: 1121

Subject:

Flight controls – operating levers with damaged ball bearings – Inspection and Modification

Reason:

During regular maintenance single damaged ball bearings (i. e. failed clips, exposed ball bearings) in the control system operating levers were found. The cause for the damage was most probably an unnoticed damaging during installation and / or maintenance.

A modification in the area of the fork connections of the control system is introduced to eliminate the probable cause for the damage found on bearings and to delete the repeated inspection.

Action:

- a) Check the ball bearings of the control levers
- b) Replace the concerned bearings in accordance with Service Bulletin No. MSB1121-033
- c) Modification in the area of the fork connection of the control system in accordance with Service Bulletin No. MSB1121-034

The actions must be done in accordance with the instructions of the manufacturers Service Bulletins.

Compliance:

Action a): before the next flight; repeat the inspection during each 50 hours inspection
Action b): immediately, if damaged bearing is found
Action c): during any regular inspection within 200 h, but not later than July 31, 2003

Note: After the modification in accordance with Action c) has been done, the repetitive inspection during each 50 hours-inspection (see Action a)) is no longer necessary.

Technical publication of the manufacturer:

Grob Service Bulletin No. MSB1121-033 dated May 08, 2003 and MSB1121-034 dated May 19, 2003 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
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Note:

This AD supersedes the AD-No. 2003-164 dated May 09, 2003.

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!

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.