

SERVICE BULLETIN NO. ASB817-73

I. TECHNICAL DETAILS

1.1 Category:

Alert

Note: GROB issues Service Bulletins of category Alert (ASBs), if the information or instructions, either related to design or conformity, have a direct effect on safety.

1.2 Airplanes affected:

G 109B S/N 6221, 6525, 6552

1.3 Time of Compliance:

Before next flight.

1.4 Subject:

ATA-Code: 71-20 Mounts
Modification of engine mount attachment

1.5 Reason:

On an aircraft with optional engine Rotax 912iSc3 installed, the engine shock mount bolts were found unsecured by an operator due to loose nut. This Service Bulletin instructs the modification of the engine mount attachments by replacement of the self-locking nuts with castellated nuts and cotter pin.

This Service Bulletin is intended to prevent an unsafe condition. The configuration of the aircraft is affected by this Service Bulletin.

1.6 Concurrent documents:

Corresponding AMM and IPC

1.7 Approval Note:

The technical content of this document is approved under the authority of the DOA ref. EASA.21J.030.

1.8 Accomplishment/ Instructions

1.8.1 Make the aircraft safe for parking and maintenance i.a.w. AMM Chapter 12-00

1.8.2 Remove the left and right cowling i.a.w. AMM Chapter 71-10

1.8.3 Support the engine as required, refer to engine maintenance manual.

1.8.4 Do the following steps only on one engine mount bolt attachment at the same time:

- Remove the self-locking nut and the bolt from the mount attachment. Discard the self-locking nut.
- Mark the bolt at 7-9mm from the bottom end of thread to serve as drill guide for the cotter pin hole.
- Drill a 2 mm \varnothing hole straight through the guide onto the bolt.
- Install the bolt and secure the mount attachment with the castellated nut (item 1 in table 2.2). Make sure the shock mounts fit correctly in the engine mount. Tighten the castellated nut to 20.3 – 21.2 Nm.

1.8.4.1 Install the cotter pin (item 2 in table 2.2)

1.8.5 Repeat the step 1.8.4 three times for the remaining mount attachments.

1.8.6 Remove engine support as required.

1.8.7 Install the left and right cowling i.a.w. AMM Chapter 71-10.

1.8.8 Restore the aircraft after maintenance.

G 109B

1.8.9 Release aircraft into service according to national requirements.

1.9 Repetitive Actions

N/A

II. PLANNING INFORMATION

2.1 Weight and CG

N/A

2.2 Material and Availability

Item	P/N	Description	Qty. / A/C
1	Castellated Nut	LN9345-10	4
2	Cotter Pin	LN94-20 020	4

2.3 Special Tools

N/A

2.4 Labor costs

N/A

2.5 Reference documents

N/A

2.6 Credit

N/A

III. REMARKS

The instructions in paragraph 1.8 have to be accomplished and certified in the logbook by authorized staff:

- in EASA countries according to EASA Part 66.
- in non-EASA countries according to national regulations with respect to maintenance.

If you have sold your aircraft in the meantime, we kindly ask you to forward this information to the new owner and to provide us with the name and address of the new owner as well as with the respective serial number.

For questions and assistance or in case of occurrence please contact:

Product Support,
phone: +49 8268 998105
fax: +49 8268 998200
e-mail: productsupport@grob-aircraft.com