

## SERVICE BULLETIN NO. MSB817-65

### **I. TECHNICAL DETAILS**

**1.1 Category:**

Mandatory

**1.2 Airplanes affected:**

G 109B as of S/N 6500 and operated by RAF

**1.3 Time of Compliance:**

Next pre-flight inspection

**1.4 Subject:**

ATA-Code: 25-10 Flight compartment furnishing  
Inspection of the seat harness

**1.5 Reason:**

GROB received a report, that in some isolated cases, the shoulder belt latches of the seat harness system would not release freely, when the buckle was rotated and pressed to release the seat harness.

**1.6 Concurrent documents:**

G 109B AMM  
Schroth Service Information Letter SIL: SSP-005, dated 02. Aug. 2012 (attached to SB)  
Schroth Component Maintenance Manual CMM 25-24-01, issue 2, dated 02. August 2012

**1.7 Approval Note:**

The technical content of this document is approved under the authority of EASA Design Organization Approval No. EASA.21J.030.

## **1.8 Accomplishment/ Instructions**

**NOTE** The discrepancy appears to be confined to Quick Release Boxes of production date prior to and including week 47/2004 in combination with recently overhauled / replaced shoulder latches.

- 1.8.1 Do a check of the seat harness(es). Refer to Service Information Letter SIL: SSP-005, (copy attached).
- 1.8.2 If test passes, release aircraft to service.
- 1.8.3 If test fails, exchange QRB. Refer to SIL: SSP-005
- 1.8.4 Report any findings.

**NOTE** We strongly recommend to have only complete seat harnesses including QRB, latches and webbings overhauled. We do not recommend overhaul of individual components

## **1.9 Repetitive Actions**

none

## **II. PLANNING INFORMATION**

### **2.1 Weight and CG**

N/A

### **2.2 Material and Availability**

N/A

### **2.3 Special Tools**

N/A

### **2.4 Labor costs**

N/A

### **2.5 Reference documents**

G 109B AMM  
Schroth Service Information Letter SIL: SSP-005, dated 02. August 2012  
Schroth Component Maintenance Manual CMM 25-24-01, issue 2, dated 02. August 2012

### **2.6 Credit**

N/A

### **III. REMARKS**

- 3.1** The instructions in paragraph 1.8 have to be accomplished and certified in the logbook by authorized staff
- in EASA countries according to Article 5 VO EG 2042/03 (VO EG 1056/2008) Appendix III – Part 66
  - in non-EASA countries according to national regulations with respect to maintenance.
- 3.2** If you have sold your aircraft in the meantime, would you kindly pass this information on to the new owner and forward his address and aircraft S/N to us.
- 3.3** For questions and assistance please contact:
- |                   |  |
|-------------------|--|
| Michael Reinhold, | GROB Aircraft Customer Service,  |
| phone:            | +49 (08268) 998 105  |
| fax:              | +49 (08268) 998 200  |
| e-mail:           | <a href="mailto:productsupport@grob-aircraft.com">productsupport@grob-aircraft.com</a> |

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## SERVICE INFORMATION LETTER

**Aircraft Type:** Grob G109B and Grob G115E

**System:** Restraint systems P/N: 4-02-043D01 / 4-04-093D01

**SUBJECT:** Quick Release Box (QRB) Part Number SL 40.3 and SL 40.3X

**Effectivity:** Harnesses where SL 40.3 or SL40.3X QRBs (date of manufacture of QRBs prior to and including week 47/2004) are fitted in conjunction with shoulder belt latches SL 35.1.8 and SL 35.2.2.

### Reason:

This Service information letter has been issued to advise operators of potential issues of the combination between the QRBs SL 40.3 or SL 40.3X with the shoulder belt latches SL 35.1.8 or SL 35.2.2.

It has been noted that in some cases it is possible that the shoulder belt latches SL 35.1.8 or SL 35.2.2 do not release freely when performing the functional test of the buckle as described in chapter 5.5.2 within the corresponding Component Maintenance Manual "CMM 25-24-01, Iss.02":

### Functional Test of the Buckle

As a functional check insert the latch into the buckle until you can hear a distinct clicking sound and apply tension to the latch ensuring that the latch is securely held by the buckle. Hold the buckle, latch inserted in the vertical position with the latch pointing downwards. Rotate the lever and allow the latch to fall clear. The latch shall release.

The functional check has to be performed on QRBs produced prior to and including week 47/2004. The date of manufacture can be seen on the bottom side of the QRB for the SL 40.3 (see photograph below).

**SIL: SSP-005**

Page 1 of 2  
August 02, 2012  
Revision: Basic  
Author: Reinck

Date of Manufacturer in this example  
29/00 (Production week 29 of year 2000)



For the SL 40.3X the buckle pad needs to be removed first to see the bottom of the QRB and the date of manufacture therewith. It is recommended to perform the functional check on all QRBs in question as the disassembling of the pad takes longer than performing the functional check.

### Exchange of the QRB

Should a latch do not release freely during the functional test of the buckle it is recommended that the QRB be removed and returned to the manufacturer for repair.

The QRB can be separated from the restraint by pushing the pin which secures the permanent fixed latch. Use a needle with a diameter of 2mm and push the pin through the hole at the actuator of the QRB. Pull out the latch. To insert the latch follow the same procedure. For more detailed information see CMM 25-24-01, Iss.02, chapter 4.1.

### Availability:

Schroth Safety Products will make available a pool of SL 40.3 and SL40.3X QRBs, available for exchange through Schroth Sales Department.

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