

**\*MANDATORY SERVICE BULLETIN\***

**NUMBER:** SB-033  
**REVISION:** A  
**DATE:** 10/18/2010

**SUBJECT:** MANDATORY ONE-TIME MASTER BRAKE CYLINDER INSPECTION AND HEEL REST MODIFICATION

**EFFECTIVITY:**

KODIAK 100 Series Aircraft Serial Numbers:

- **100-0001 through 100-0044**

**SUMMARY:**

Quest Aircraft Company has received a single report that during a maintenance inspection of a KODIAK 100, the pilot's side Heel Rest was found to be loose, causing it to rub and damage the left Master Brake Cylinder when the Rudder Pedals were moved through their full travel.

**ACTION:**

Quest Aircraft Company is mandating a one-time inspection and modification (**FSI-017**) to the pilot's and copilot's Heel Rest. The one-time inspection is to ensure there is currently no apparent damage to the Master Brake Cylinders. The Heel Rest Modification (**FSI-017**) is to eliminate the potential of damage to the master brake cylinders due to a possible loose heel rest.

The master brake cylinder inspection instructions are contained in this Service Bulletin. If the inspection results show that damage is present on the Master Brake Cylinder, contact Quest Aircraft Company for further instructions. Contact Quest Aircraft to order **FSI-017** (Heel Rest Modification Kit) for instructions and parts to modify the pilots and copilots Heel Rests. There is no charge for **FSI-017**.

**AFFECTED PARTS:**

- Plate, Heel Rest, LH ..... (P/N 100-715-3001)
- Assy, Angle, Heel Rest ..... (P/N 100-715-3100)
- Stud, Browline ..... (P/N 100-825-2003)
- Plate, Heel Rest, RH ..... (P/N 100-715-3002)
- Assy, Angle, Heel Rest ..... (P/N 100-715-3100)
- Stud, Browline ..... (P/N 100-825-2003)
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**AFFECTED DOCUMENTS:**

- KODIAK 100 Maintenance Manual ..... (P/N 499770)

**FAA APPROVED:**

The inspection and modification described in this Service Bulletin has shown compliance with the applicable Federal Aviation Regulations and is FAA Approved.

**COMPLIANCE:**

This mandatory one-time Master Brake Cylinder inspection (**Section 1**) must be completed and complied with on or before the next **20 FLIGHT HOURS**.

The Heel Rest modification (**FSI-017**) (**Section 2**) must be completed on or before the next scheduled maintenance, 100 hour inspection, or annual inspection, whichever occurs first.

**INDUSTRY SUPPORT INFORMATION:**

N/A

**WEIGHT AND BALANCE:**

The procedure contained in this Service Bulletin does not alter the weight and balance of the aircraft.

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**MANPOWER:**

The instructions contained in this Service Bulletin will take approximately:

- 0.5 hours (for inspection)
- 1.0 hours (for **FSI-017** Heel Rest Modification Kit)

**CREDIT and WARRANTY INFORMATION:**

Quest Aircraft Company will reimburse for the cost of this inspection and modification up to \$112.50 for aircraft still under Factory Warranty. For reimbursement, send Quest Aircraft Company a copy of the inspection and the N-number of the aircraft on which the inspection was accomplished. Send or e-mail the information in attention to:

**Quest Customer Service**

**Service Notification Compliance Feedback (SB-033)**

**1200 Turbine Dr.**

**Sandpoint ID, 83864**

**Phone: 1-866 263-1112 or 1-208 263-1111**

**E-mail: [customercare@questaircraft.com](mailto:customercare@questaircraft.com)**

**COMPLETION:**

Record the work performed in the KODIAK 100 Aircraft Records.

**ACCOMPLISHMENT INSTRUCTIONS:**

Accomplishment Instructions are listed in the next section of this Service Bulletin.

**LOG OF CHANGES**

| Revision: | Date:      | Description of Change: |
|-----------|------------|------------------------|
| A         | 10/18/2010 | Initial Release        |
|           |            |                        |
|           |            |                        |
|           |            |                        |
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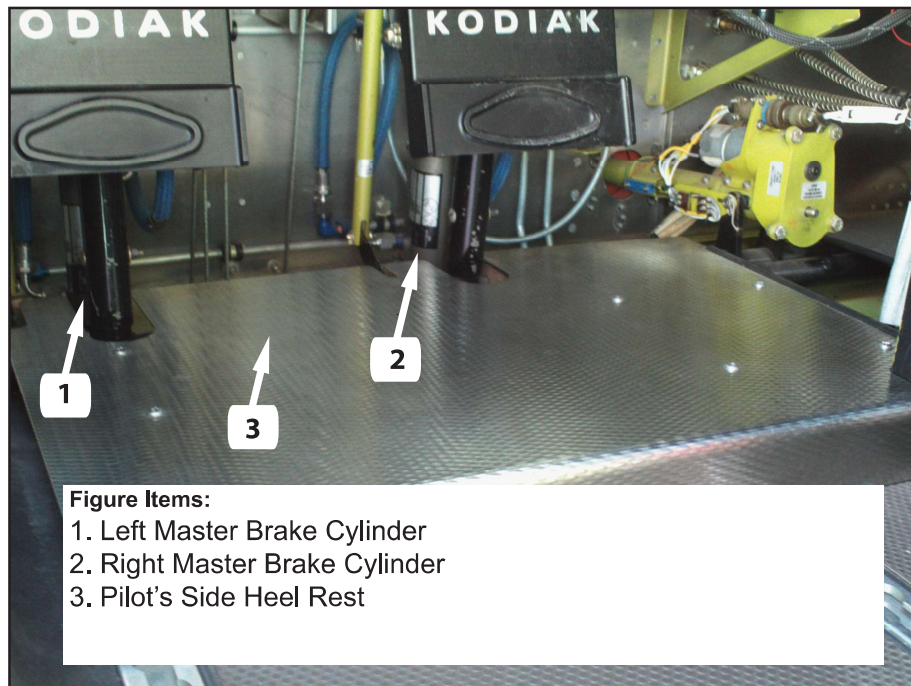
**ATTACHED DOCUMENTS**

| Document #: | Date: | Document Title: |
|-------------|-------|-----------------|
| N/A         | N/A   | N/A             |

## (Section 1) Master Brake Cylinder Inspection

### 1.1 VISUAL INSPECTION PROCEDURE:

Visually inspect the Master Brake Cylinders for damage around the area of the Heel Rest. See **Figure 1-1** and **Figure 1-2**. If any damage greater than superficial scratches to the Master Brake Cylinder are apparent (see **Figure 1-2**), contact Quest Aircraft Customer Care for further instructions. If there is no damage present on the Master Brake Cylinder, complete **Section 2** of this Service Bulletin within the time frame listed in the Compliance Section on **Page 1**. Log the work completed in the aircraft records.



**Figure 1-1:** Master Brake Cylinders



**Figure 1-2:** Example Damage to Master Brake Cylinder

**(Section 2) Heel Rest Modification**

**2.1 COMPLETE THE HEEL REST MODIFICATION**

Once **Section 1** is complete, perform the instructions in **FSI-017** to modify the pilot and copilot's Heel Rest within the time frame listed in the Compliance Section on **Page 1**. This modification adds additional security to the Heel Rest and will prevent the Heel Rest from possibly rubbing against the Master Brake Cylinders. Log the work completed in the aircraft records.

////////////////////////////////////--- END OF INSTRUCTIONS---////////////////////////////////////