

MANDATORY SERVICE BULLETIN

NUMBER: SB-030
REVISION: A
DATE: 07/22/2010

SUBJECT: FLIGHT CONTROLS; Mandatory Balance Weight Inspection

EFFECTIVITY:

KODIAK 100 Series Aircraft Serial Numbers:

- **100-0001 through 100-0042**

SUMMARY:

Quest Aircraft Company has received a single report that during a maintenance inspection of a KODIAK 100, the Rudder Balance Weight was found to be loose.

ACTION:

Quest Aircraft Company is mandating a one-time inspection to check the security and condition of the balance weights located in the rudder and elevator. After the inspection is complete, it is required to contact Quest Aircraft Company Customer Care with the results of the inspection. In addition to this Service Bulletin, revision 06 of the KODIAK 100 Maintenance Manual adds clarity to the 100 hour inspection to specifically check the security and condition of the flight controls balance weights.

AFFECTED PARTS:

- Mass Balance Rudder (*P/N 100-566-1000*)
- Mass Balance Elevator (*P/N 100-535-1000*)

FAA APPROVED:

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

COMPLIANCE:

This mandatory inspection must be completed on or before the next 10 flight hours.

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.

MANPOWER:

The instructions contained in this Service Bulletin will take approximately:

- 0.5 hours (for inspection)

CREDIT and WARRANTY INFORMATION:

Quest Aircraft Company will reimburse for the cost of this inspection up to \$37.50 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-030)

1200 Turbine Dr.

Sandpoint ID, 83864

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

E-mail: customercare@questaircraft.com

COMPLETION:

Record the work performed in the KODIAK 100 Log Books.

ACCOMPLISHMENT INSTRUCTIONS:

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

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LOG OF CHANGES

Revision:	Date:	Description of Change:
A	07/22/2010	Initial Release

ATTACHED DOCUMENTS

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

SPECIAL PARTS, TOOLS, AND EQUIPMENT

The following parts, tools, and equipment are needed in order to complete the instructions contained within.

Special parts and tools included in this Service Bulletin Kit:

Part Number	Description	Quantity
None	None	N/A

Special Tools Required that are **NOT** Provided in this Service Bulletin Kit:

Tool Name	Tool Duty
None	None

1. LOCATE AND INSPECT THE BALANCE WEIGHTS

1.1 RUDDER BALANCE WEIGHT INSPECTION (1 WEIGHT)

Inspect the Rudder Balance Weight (*P/N 100-566-1000*) for security and condition. It is not required to check the attachment fittings with tools or check the torque.

PROCEDURE:

1. Gain access to the Rudder Balance Weight (*P/N 100-566-1000*). Follow all safety precautions listed in the KODIAK 100 Maintenance Manual prior to accessing the flight controls.
2. With a flashlight, visually inspect the mounting hardware for signs of looseness and feel the balance weight for security. No signs of movement or looseness should be present. If the weight is loose, contact Quest Aircraft Company Customer Care immediately for further instructions.

1.2 ELEVATOR BALANCE WEIGHT INSPECTION (2 WEIGHTS)

Inspect the Elevator Balance Weights (*P/N 100-535-1000*) for security and condition. It is not required to check the attachment fittings with tools or check the torque.

PROCEDURE:

1. Gain access to the Elevator Balance Weights (*P/N 100-535-1000*). Follow all safety precautions listed in the KODIAK 100 Maintenance Manual prior to accessing the flight controls.
2. With a flashlight, visually inspect the mounting hardware for signs of looseness and feel the balance weight for security. No signs of movement or looseness should be present. If the weight is loose, contact Quest Aircraft Company Customer Care immediately for further instructions.

1.3 REPORT THE INSPECTION RESULTS TO QUEST AIRCRAFT

Once the inspection is complete, report your inspection results to Quest Aircraft Company Customer Care. This report is mandatory for the completion of this Service Bulletin and must include the aircraft registration number, aircraft serial number, airframe total time and the findings of the inspections.

Quest Aircraft Company Customer Care:

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

E-mail: customercare@questaircraft.com

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