

MANDATORY SERVICE BULLETIN

NUMBER: SB-025
REVISION: A
DATE: 11/12/2009

SUBJECT: ELEVATOR TRIM CONTROL SYSTEM; Mandatory Visual Inspection

EFFECTIVITY:**A.) AIRCRAFT:**

- *KODIAK 100 Series Aircraft Serial Numbers:*
 - *100-0013 thru 100-0015*
 - *100-0017 thru 100-0018*

SUBJECT:

During a recent inspection of the Elevator Trim Cable System, Quest Aircraft Company LLC. found that four Cotter Pins (two per each side) were not installed on the subject aircraft. These Cotter Pins are pulley guards that prevent the Elevator Trim Cables from potentially departing the pulley if the cable were to become slack. If the cable departed from the pulley, it could render the Elevator Trim System inoperative or damage the Trim Cable. This Service Bulletin mandates a one time inspection to this area to ensure that these Cotter Pins are installed and if they are not present to install them. Refer to the "Accomplishment Instructions" of this Service Bulletin for work directions.

AFFECTED PARTS:

- *100-625-2310 (Bracket, Pull)*
- *MS24665-134 (Cotter Pin)*

AFFECTED MANUALS AND PUBLICATIONS:

- *N/A*

FAA APPROVED:

The inspection to the Elevator Control System 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 100 hour or Annual Inspection, whichever comes first.

INDUSTRY SUPPORT INFORMATION:

None.

WEIGHT AND BALANCE:

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

CONTINUED ON NEXT PAGE...

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The instructions contained in this Service Bulletin will take approximately:

- *Inspection with Cotter Pins present: 0.3 hours*
- *Inspection and Installation of Cotter Pins, if missing: 0.7 hours*

CREDIT and WARRANTY INFORMATION:

N/A

COMPLETION:

Update the KODIAK 100 Maintenance Log Books.

ACCOMPLISHMENT INSTRUCTIONS:

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

ACCOMPLISHMENT INSTRUCTIONS START ON NEXT PAGE***MANDATORY SERVICE BULLETIN******MANDATORY SERVICE BULLETIN***

1.1 PARTS, TOOLS, AND EQUIPMENT

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

Parts and Tools Included in this Service Kit:

Part Number	Description	Quantity
N/A	SERVICE BULLETIN AND WORK INSTRUCTIONS	1

Tools or Items Required (Not Included in this Service Kit):

Tool Name/Item Name	Description
Needle Nose Pliers	
MS24665-134	Cotter Pin

1.2 INSPECTION

1.2.1. Elevator Control Access Panel Removal

Remove the **Access Panel** on the back side of the **AFT Fuselage** located on both sides of the aircraft. (Shown in **Figure 1-1**)

NOTE: **Figure 1-1** illustrates the right side of the aircraft.



Figure 1-1 Elevator Control Access Panel

1.2.2. Visual Inspection

Visually inspect the **Elevator Control System** looking for the **Cotter Pins (P/N MS24665-134)** indicated in **Figure 1-2**. If Cotter Pins are present proceed to **Step 1.4**. If **Cotter Pins** are not present proceed to **Step 1.3**.

NOTE: **Figure 1-2** illustrates assembly with **Cotter Pins** installed.

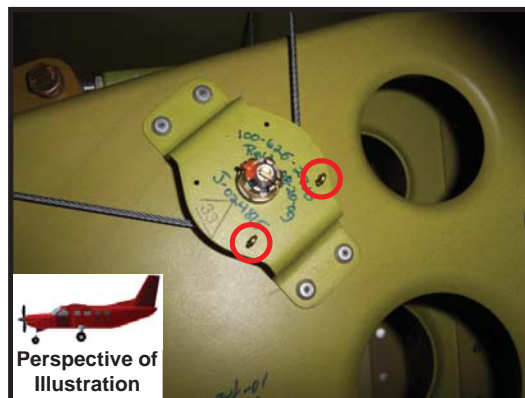


Figure 1-2 Elevator Control Cable System

1.3 COTTER PIN INSTALLATION

If the Cotter Pins are not present from the Inspection in **Section 1.2**, install the Cotter Pins in the allocated locations on both sides of the Aircraft and with Needle Nose Pliers, secure in place. Replace the Elevator Control Access Panels.

1.4 ANNOTATE WORK PERFORMED IN KODIAK LOG BOOK

Upon completion, annotate all work performed in the appropriate KODIAK Log Book.

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