



SERVICE BULLETIN

No. 685

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

FAA Approved

September 23, 1980 M

Subject: Elevator Bellcrank Assembly Inspection

Models Affected:

PA-31, PA-31-325 Navajo
PA-31-350 Chieftain

Serial Numbers Affected:

31-7912101 through 31-8012009
31-7952193 through 31-8052012

Compliance Time:

Within the next one hundred (100) hours of operation or at the next regularly scheduled inspection, whichever occurs first.

Purpose:

A report has been received that one of the bolts attaching the elevator control cables to the elevator bellcrank assembly had partially backed out of the nut due to the omission of the cotter pin which safeties the nut onto the bolt. Should one of these bolts back completely out of the bellcrank assembly, loss of elevator control would result.

This service release provides instructions for the inspection of the bellcrank assemblies to verify proper installation and safetying of the affected hardware.

Instructions:

1. Refer to appropriate Maintenance Manual. See elevator bellcrank assembly data in Section V, Surface Controls.
2. Gain access to the elevator bellcrank assembly area.
3. Visually inspect both upper and lower bolts attaching cables to bellcrank, and insure bolt is correctly installed and cotter pin safetying nut to bolt is installed.
4. Replace access covers.
5. Make appropriate logbook entry of compliance.

Material Required:

As required, AN3-6 (Piper Part No. 400 053); AN310-3 Nut (Piper Part No. 404 100); MS 24665-132 Cotter Pin (Piper Part No. 424 051).

Availability of Parts:

Your Piper Field Service Facility or local source.

(over)

Effectivity Date:

This Service Release is effective upon receipt.

Summary:

Please contact your Piper Field Service Facility to arrange compliance with this Service Release in accordance with Compliance Time, above.

Any applicable Factory Participation will remain in effect for a period of time not to exceed 180 days from the date of this Service Release.