



SERVICE BULLETIN

No. 433

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

"FAA DOA EA-1 Approved"

December 17, 1974

Subject:

Inspection of Elevator Control Tube

Models Affected:

PA-31 and PA-31-300 Navajo
PA-31-350 Navajo Chieftain

Serial Numbers Affected:

31-1 to 31-7401248 incl.
31-5001 to 31-7405242 incl. and 31-7405400 to 31-7405462 incl.

Compliance Time:

At the next regularly scheduled inspection interval (100 hour, annual or programmed inspection event, whichever applies).

Purpose:

To provide detailed instructions to conduct a thorough inspection of the Elevator Control Tube assembly to insure that no looseness exists and to establish control system integrity.

Instructions:

1. Gain access to the elevator control tube fore and aft fittings by removing the access panel located beneath the forward portion of the horizontal stabilizer at its juncture with the fuselage.
 2. Disconnect the bungee spring from the elevator control tube at the rear portion of the tube.
 3. Disconnect the elevator control tube from the elevator bellcrank.
 4. Check for "looseness" or "play" between the elevator control tube fittings by exerting a fore and aft and twisting force on each fitting while maintaining the control tube stationary.
 5. If no "looseness" or "play" is detected, no further action is necessary. Reinstall bungee spring, elevator control tube and attachments in reverse order of removal -- making sure hardware is secure and safeties installed where applicable -- prepare aircraft for return to service and make appropriate log book entry.
 6. If "looseness" or "play" is evident, contact Piper Aircraft Corporation, Customer Services Department, Lock Haven Facility, for further action.
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Material Required:

Not applicable.

Effectivity Date:

This service release is effective upon receipt.

Summary:

Please contact your Piper Field Service Facility to make arrangements for compliance with the provisions of this service release in accordance with Compliance Time, above.

A Service Publication Compliance form is enclosed with each copy of this service release mailed to affected owners of record; this form is to be filled out according to instructions on the form reverse side and left with the Piper Field Service Facility performing the modification.