



# SERVICE BULLETIN

No. 649

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

FAA/DOA SO-2 Approved

March 29, 1979

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Subject:

Elevator Control Stop Inspection

Models Affected:

PA-31, 300/325 Navajo  
PA-31-350 Chieftain

Serial Numbers Affected:

31-5 through 31-7912049 Inclusive  
31-5001 through 31-7952091 Inclusive

Compliance Time:

Within the next twenty-five (25) hours of operation or at the next scheduled inspection event, whichever occurs first.

Purpose:

There has been a reported incident of the elevator control stop adjusting screw and locknut being loose and backing out resulting in a restriction of elevator control travel.

This could result in the inability of the pilot to obtain full elevator travel.

Instructions:

Reference Service Manual section on Flight Controls (Rigging and Adjustment).

1. Remove upper and lower section of tail cone.
2. Inspect elevator "down" and "up" control stop adjusting screws and locknuts for damage, looseness, or evidence of movement.
3. Check elevator for proper travel with bubble protactor per Section 5 of the Service Manual.
4. Torque elevator control stop adjusting screw locknuts to 20-25 inch/pounds.
5. Paint or install a slip stripe or torque-seal on locknuts and stop screws.
6. Reinstall tail cone.
7. Make appropriate logbook entry of compliance with this Service Bulletin.
8. Submit Product Condition/Compliance Report to Piper Aircraft Corporation.

NOTE:

Please indicate on the Product Condition/Compliance Report the results of the inspection (Refer to Instructions 2 and 3) and corrective action taken if any.

(over)

Material Required:

Not Applicable.

Availability of Parts:

Not Applicable.

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. Reimbursement is available for up to a maximum of one (1) hour per aircraft for labor in accordance with the respective labor credit application procedure of your Piper Field Service Facility.