



# SERVICE BULLETIN

No. 468

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

"FAA DOA EA-1 Approved"

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Subject: Inspection of Elevator Trim Tab Attachment Hinges and Screw Assembly.

Models Affected: PA-31T Cheyenne

Serial Number Affected: 31T-7400002 and up.

Compliance Time: Prior to the next flight and at each subsequent preflight inspection.

Purpose: To detect possible excessive play in the elevator trim tab hinges and screw assembly.

Instructions:

1. Check the elevator trim tab for excessive play during each preflight inspection paying particular attention to wear or looseness at each tab hinge pivot point and the push-pull tube attachments. The trim tab shall be in the neutral position (trailing edge of the tab in the neutral position will be  $1/2$  inch  $\pm$   $1/8$  inch below the trailing edge of the elevator). With tab neutral, the total tab "free play" may not exceed  $1/10$  inch, as measured between the outboard end of the tab and the trailing edge of the elevator.
2. If excessive play is found, inspect the elevator trim tab screw and hinge assemblies to determine the location of excessive play; repair or replace the worn parts, as required.
3. If trim tab is within tolerance (no. 1, above) no remedial action is required; continue subsequent pre-flight inspections.

Material Required: Refer to PA-31T Cheyenne parts catalog, section III, figure 40, and section IX, figure 100 for appropriate elevator trim tab and trim tab drive system components.

Availability of Parts: Your Piper field service facility.

Effectivity: Immediately upon receipt.

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Summary:

The areas referenced in this service release are required to be checked during each routine preflight inspection; however, field investigations indicate a need to emphasize the importance of this inspection, particularly in the areas referenced above.