

SERVICE



LETTER

Service Letter No. 407

October 4, 1963

TO: Distributors, Dealers, Certified Service Centers and Owners

SUBJECT: Installation of Roll Pin in Rudder Trim Tab Control Rod and Inspection of Rudder Trim Tab Control Rod

MODELS AFFECTED: PA-23 and PA-23-160 Apaches, Serial Numbers 23-1 to 23-2046 incl.

COMPLIANCE DATE: Prior to but not later than next 50 hours of operation

A report has been filed with the Service Department indicating that the end of the rudder trim tab control rod, part number 17271-00, that attaches to the rudder trim tab screw, part number 18453-02, has slipped out of the screw due to the loss of the cotter pin. To preclude a recurrence of this nature, it is requested that a steel roll pin, part number 480 728, be installed in lieu of the cotter pin on all Apaches, serial numbers listed above.

An inspection shall be made, within the next 50 hours of operation and every 100 hours thereafter, of the rudder trim tab control rod at the bend radius for possible cracks and for excessive wear of the rod at the bearing surface of the rod and the rudder trim tab screw. Inspection of the bend radius of the rudder trim tab control shall be performed with a magnifying lens of at least 10 power. Cracked or excessively worn rudder trim tab control rods shall be replaced prior to further flight.

Instructions and sketch pertaining to the installation of the roll pin, part number 480 728, and the inspection of the rudder trim tab control rod are on the reverse side of this letter.

Distributors should order roll pin, part number 480 728, in sufficient quantities to comply with this Service Letter. The roll pin will be shipped on a no charge basis. Please do not over-order as supply is adequate only to meet requirements.

Very truly yours,

PIPER AIRCRAFT CORPORATION


Wes Holmes
Service Manager

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PIPER AIRCRAFT CORPORATION, LOCK HAVEN, PA., U. S. A.

October 4, 1963

INSTRUCTION FOR INSTALLATION OF ROLL PIN IN RUDDER TRIM TAB CONTROL ROD AND INSPECTION OF RUDDER TRIM TAB CONTROL ROD

The following instructions are provided as a guide for installation of the roll pin and inspection of the control rod.

1. Rotate the rudder trim handle in the cockpit for full right trim.
2. Remove the nut and bolt which connects the rudder trim tab and trim control rod.
3. Rotate the trim tab control rod 90° clockwise as shown on sketch.

NOTE

Insure lock nut on trim control rod is tight prior to rotating rod.

4. Remove present cotter pin and washer. Remove the trim control rod from the rudder and inspect as per sketch.
5. Prior to installing the rod redrill the cotter pin hole to .081; to accommodate the roll pin.
6. Reinstall the trim rod and install roll pin. Safety roll pin as shown with .032 steel safety wire.
7. Rotate the trim rod 90° counter-clockwise and reinstall nut and bolt at trim tab horn.

