



SERVICE BULLETIN

No.606

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

Modification FAA/DOA EA-1 Approved

July 12, 1979

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Subject: Stabilator Assembly Lower Surface Rivet and Rib Attachment Inspection

Models Affected: Serial Numbers Affected:

PA-23-250 (Six Place) Aztec F 27-7654001 through 27-7954044

Compliance Time: Within the next one hundred (100) hours of operation or at the next scheduled inspection, whichever occurs first, and every one hundred (100) hours of operation thereafter until/unless Stabilators are modified or replaced per attached Instructions or installation of unaffected Stabilator Assemblies (See Note) is verified.

NOTE:

The Stabilator Serial Number plate located on the stabilator rear spar should be checked to verify effectivity. Stabilator serial numbers affected are 0336-L through 0340-L and 0401-L through 0607-L and 0337-R through 0341-R and 0402-R through 0609-R.

Purpose:

It has been determined that the affected stabilator assemblies may not have proper bonding between the ribs and skin, resulting in a possibility of the loosening of blind rivets and relative motion between the ribs and skin on the underside of the stabilator. This condition could cause further loosening of rivets and could lead to cracks developing in the rib flanges.

This Service Release provides instructions for the inspection of the Stabilator Assemblies for loose rivets and cracks and for the modification/replacement of the stabilators if required or to relieve the recurring inspection recommendation.

(over)

Instructions:

Check stabilator serial number plate to verify effectivity (See NOTE, Page 1).
If one or both Stabilators are affected, refer to the attached Sketch/Instruction data.

NOTE:

The inspection should be repeated at each one hundred (100) hours of operation. The one hundred hour recurring inspection recommendation is relieved if the stabilators are modified per the attached Instructions or if modified stabilators or those with unaffected serial numbers are installed.

Material Required:

1. For rivet requirements refer to attached Sketch/Instruction sheet.
2. If new stabilator (s) required:
 - (a) Serial Numbers 27-7654001 through 27-7954035
Stabilator Assy., - Left (Piper Part No. 15658-30)
Stabilator Assy., - Right (Piper Part No. 15658-31)
 - (b) Serial Numbers 27-7954036 through 27-7954044
Stabilator Assy., - Left (Piper Part No. 15658-32)
Stabilator Assy., - Right (Piper Part No. 15658-33)

Availability of Parts:

Your Piper Field Service Facility.

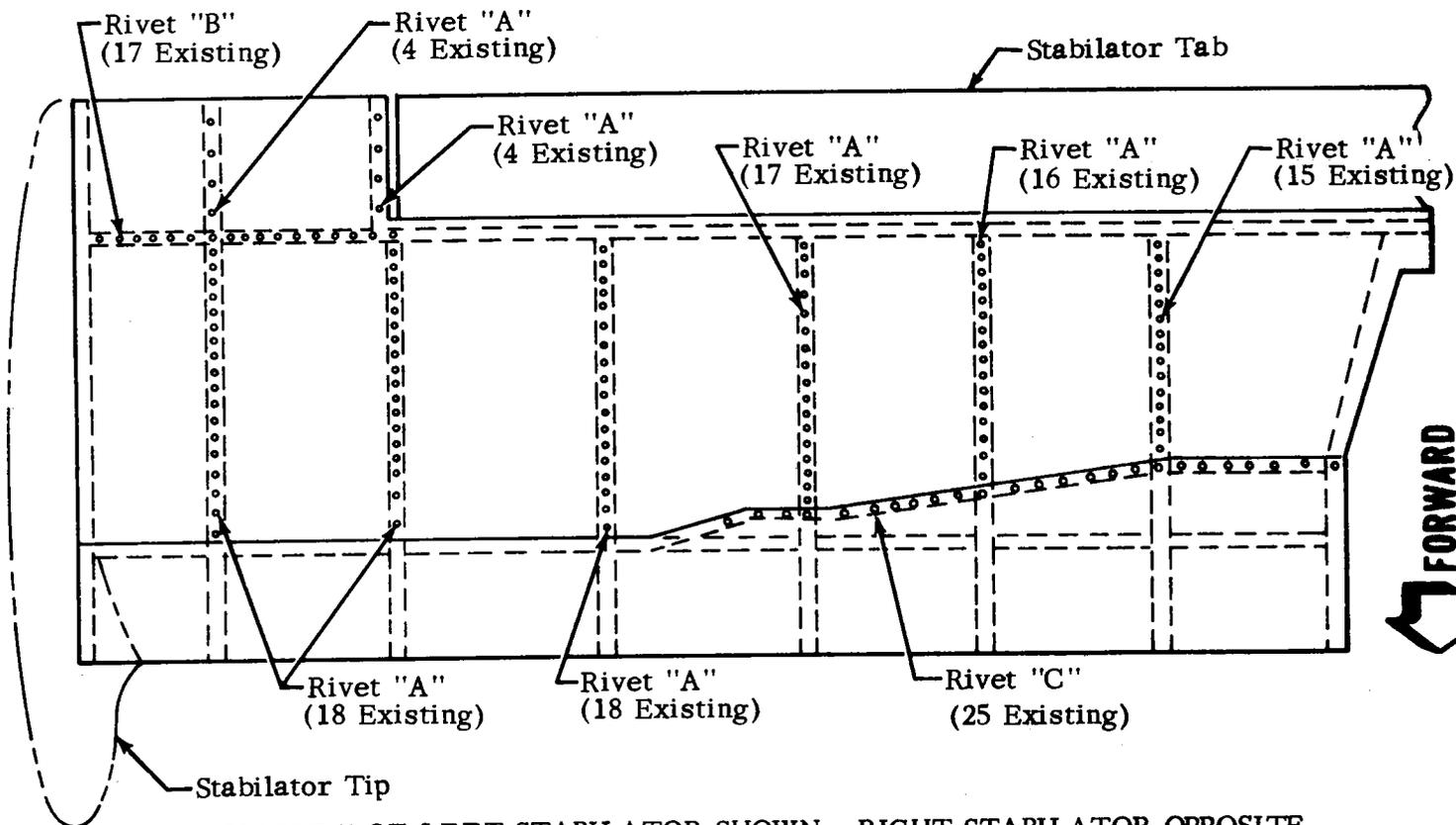
Effectivity Date:

This Service Release is effective upon receipt.

Summary:

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

RIVET	CHERRY LOCK	PIPER P/N
A	NAS1738B-4-1	522 881
B	NAS1738B-4-2	522 882
C	NAS1738B-4-3	522 883



BOTTOM VIEW OF LEFT STABILATOR SHOWN - RIGHT STABILATOR OPPOSITE

INSTRUCTIONS

- A. Inspect the lower surface of the left and right stabilator assemblies for evidence of loose blind rivets. Refer to sketch for location of existing blind rivets. (Loose rivets may be noted by the presence of dark streaks downstream of the rivet heads.)
- B. Remove stabilator tip. With a mirror and a light attached to long rods, inspect the bottom flanges of all ribs for evidence of cracks.
 1. If cracks are found, replace the stabilator assembly with a new assembly.
 2. If loose rivets are found, they must be replaced with NAS1738B-4-1, or NAS1738B-4-2, or NAS1738B-4-3 cherry lock rivets. (see sketch for location)
 3. If no cracks are found, and loose rivets are replaced, the stabilator tip may be reinstalled and the aircraft returned to service. THIS INSPECTION IS REQUIRED EVERY 100 HOURS OF OPERATION.
 4. If it is desired to relieve the requirement for the 100 hour recurring inspection, install additional cherry lock rivets (see sketch & rivet chart) mid spaced between the existing blind rivets in the ribs and rear spar on the bottom surface of the stabilator. (The new cherry lock rivets must be installed between all existing blind rivets shown as Rivets "A" & "B" on above sketch). Reinstall stabilator tip and rebalance stabilator per the Aztec Service Manual.
- C. Make proper Logbook entry indicating compliance with appropriate portions of this service release.