



SERVICE BULLETIN

No. 408B

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

"FAA DOA EA-1 Approved"

May 14, 1975

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(Supersedes and voids Service Bulletin No. 408A dated July 1, 1974)

Subject: Flap Outboard Hinge Replacement.

Reason for Revision: Outboard Flap Hinge Replacement kits, Piper Part Number 760-817 and 760-861 revised to include two additional bushings, Piper Part Number 14175-46.

Models Affected: PA-23-250 (Six Place) Aztec

Serial Numbers Affected: 27-3050, 27-3154 to 27-7405330 Inclusive.

Compliance Time: Recommended at any time within the next 100 hours of operation (i.e., 100-hour inspection, annual inspection or at the next inspection interval specified by Airworthiness Directive No. 74-10-01, whichever occurs first.)

Purpose: To announce the availability of material and instructions to replace the existing flap outboard hinges with new improved hinges contained in Outboard Flap Hinge Replacement Kit, Piper Part Number 760-817 (left flap) and 760-861 (right flap) -- refer to Material Required, below.

Replacement of the existing flap outboard hinges on the above referenced aircraft by the outboard flap hinge replacement kits described above (and in Material Required, below) precludes further compliance with Airworthiness Directive No. 74-10-01.

It has come to our attention that during field installation of the outboard flap hinge replacement kits, Piper Part Number 760-817 (left flap) and/or 760-861 (right flap), in accordance with Service Bulletin No. 408A dated July 1, 1974, there have been situations involving difficulty of obtaining adequate clearance between the outboard flap hinge and the adjacent aileron inboard hinge attachment bolt head. The purpose of this service release is to advise affected aircraft owners/operators that have complied with Piper Service Bulletin No. 408A dated July 1, 1974, to inspect the area between the outboard flap hinge and the adjacent aileron inboard hinge attachment bolt to insure that positive clearance exists and, if

Purpose (Con't):

necessary, to remove existing bushings Piper Part number 14175-89 and replace with new bushings Piper Part number 14175-46 (the -46 bushings are slightly longer than -89 and will provide necessary clearance and proper fit).

Outboard Flap Hinge Replacement kits, Piper part number 760-817 and 760-861 issued from factory subsequent to this service release date will contain the Piper part number 14175-46 bushings in addition to the -89 bushings.

Instructions:

1. Aircraft that have complied with Piper Service Bulletin No. 408A, dated July 1, 1974;
 - A. Inspect the area between the outboard flap hinge and the aileron and flap hinge bracket assembly for proper clearance (refer to attached sketch).
 - B. If proper clearance exists, no further action is required; make appropriate log book entry.
 - C. If proper clearance does not exist and hinge has been damaged, remove existing bushing and replace with bushing Piper part number 14175-46; replace outboard flap hinge Piper part number 33608-03 (right) and Part Number 33608-02 (left).
 - D. Check operation of flap and make proper log book entry.
2. Aircraft that have not complied with Piper Service Bulletin No. 408A, dated July 1, 1974:
 - A. Installation instructions are contained in Piper Part Number 760-817 and 760-861, Outboard Flap Hinge Replacement kit (left flap and right flap, respectively). These kits have been revised as stated in Purpose, above.

Material Required:

1. Aircraft that have complied with Piper Service Bulletin No. 408A: Bushing, Piper Part Number 14175-46 (maximum two each per aircraft and outboard flap hing, Part Number 33608-03 (right) and / or Part Number 33608-02 (left), as required per Instructions, No. 1 C above.

(Continued)

Material Required (Con't):

2. Aircraft that have NOT complied with Piper Service Bulletin No. 408A:

- A. One (1) each per left flap, Outboard Flap Hinge Replacement kit, Piper Part Number 760-817 at a special reduced price of \$9.06 I and one (1) each per right flap, Outboard Flap Hinge Replacement Kit, Piper Part number 760-861 at a special reduced price of \$9.06 I.

Availability of Parts :

Your Piper Field Service Facility.

Effectivity Date:

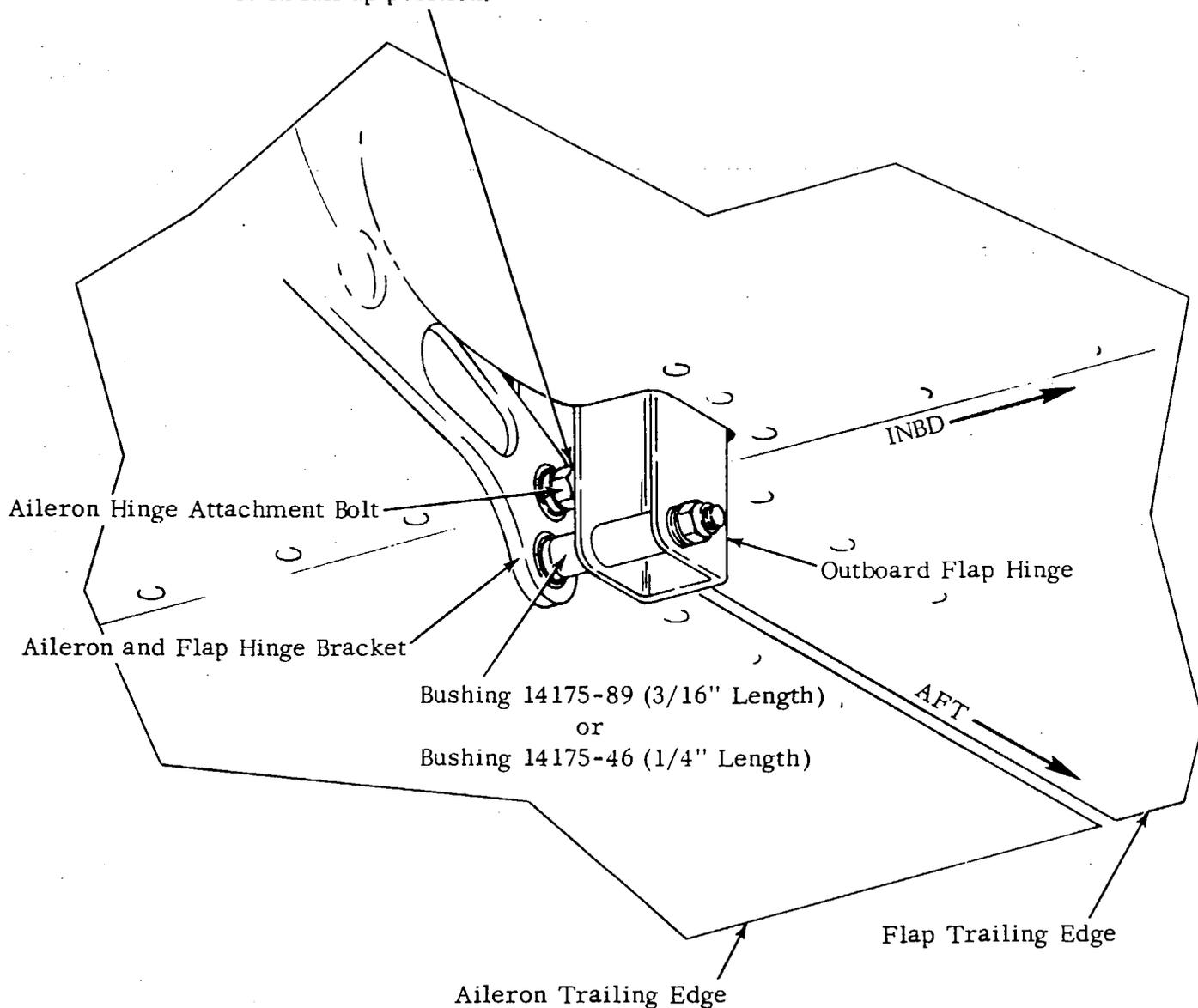
Effective upon receipt of this service release.

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. Material specified in Material Required No. 1 will be provided free of charge through your Piper Field Service Facility.

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

- Inspect area between flap hinge and aileron hinge attachment bolt head to insure that positive clearance exists when flap is in full up position.



BOTTOM VIEW OF RIGHT WING SHOWN - LEFT WING OPPOSITE