



# SERVICE BULLETIN

No. 559

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

"Modification DOA EA-1 Approved"

August 31, 1977 M

Subject: Rudder Tail Light Inspection

Models Affected: Serial Numbers Affected:

PA-23-250 (6 Place) Aztec ..... 27-4693 to 27-7405476 inclusive (28 volt only);  
27-7554001 to 27-7754081 inclusive.

Compliance Time: At the next scheduled inspection interval (100 hour, annual or programmed inspection event, whichever applies), not to exceed the next 100 hours of inspection.

Purpose: It has been brought to our attention that the rudder mounted tail light assembly may be installed incorrectly on the above referenced group of aircraft; this condition causes an improper light arc, or "sweep" - as specified in the applicable FAR, due to the position of the lamp filaments with respect to the adjacent retainer shield (see attached sketch/instruction data for an illustration of this condition).

This Service Release provides instructions to inspect the rudder tail light for proper position and, if necessary, to replace the light assembly - if the existing tail light is not in accordance with the specifications detailed herein.

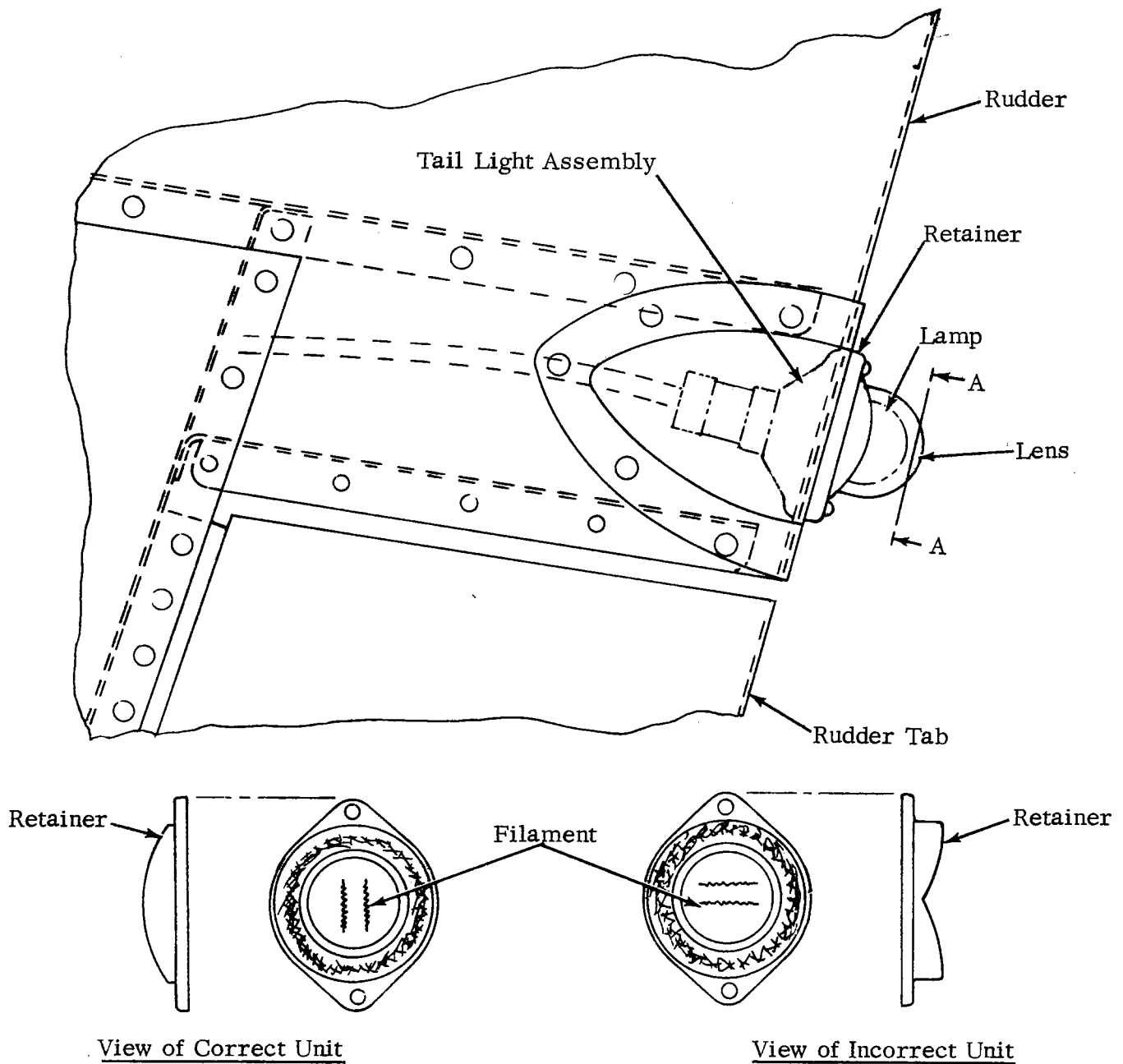
Instructions: Inspect tail light assembly (and if necessary, replace) in accordance with attached sketch/instruction data.

Material Required: One each per aircraft Tail Light Assembly, Piper Part Number 472 956 - only if required per Instructions, (attached).

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 make arrangements for compliance with this Service Release in accordance with the provisions of Compliance Time, above. Factory reimbursement for replacement material (described in Material Required, above) - if necessary, is available through your Piper Field Service Facility in accordance with their respective material credit allowance application procedure. This offer is in effect for a period of time not to exceed twelve (12) months from issue date of this Service Release.



#### SECTION A-A

#### INSTRUCTIONS

1. Remove tail light retainer and lens from rudder by removing the two screws.
2. Inspect lamp to determine if filaments are in a vertical or horizontal position and inspect retainer to determine if it is formed to shield both sides or top and bottom of lamp. Refer to Section A-A for views of correct and incorrect units.
  - a. If filaments are in a vertical position, and retainer is formed to shield both sides of lamp, correct tail light assembly is installed. Reinstall lens and retainer.
  - b. If filaments are in a horizontal position, and/or retainer is formed to shield top and bottom of lamp, incorrect tail light assembly is installed and must be replaced with a new assembly, Piper part no. 472 956.
3. Make proper logbook entry of Service Bulletin compliance.