



# SERVICE BULLETIN

No. 564

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

"Modification DOA EA-1 Approved"

April 25, 1977

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Subject:

Inspection of Emergency Gear Extension  
Control

Models Affected:

Serial Numbers Affected:

PA-23-250 (6 Place) and

PA-E23-250 (6 Place) Aztec ..... 27-2659 to 27-7754039 Inclusive

Compliance Time: At the next regularly scheduled inspection interval (100 Hour, Annual or Programmed Inspection event), not to exceed the next 100 hours of operation.

Purpose: A few field reports have been received indicating that the emergency gear extension actuator control system (CO<sub>2</sub> actuator) was improperly rigged. Normal operation involves pulling the emergency gear extender ring (located beneath a small cover plate under the pilot's seat) which causes the priority valve to open followed by discharge of the CO<sub>2</sub> bottle. This sequence is controlled by two different length cables attached to and routed from the pull ring to the priority valve and CO<sub>2</sub> unit (refer to attached Sketch B).

This Service Release provides instructions to inspect the subject system to insure proper rigging/sequence of the emergency landing gear extender actuator.

Instructions: Refer to the Aztec Service Manual for detailed information relative to emergency gear extender and priority valve servicing.

1. Remove CO<sub>2</sub> bottle from discharge unit.
2. Reference attached Sketch "A"; inspect for the two and one half inch dimension on the priority valve actuating cable. If necessary, loosen the clamp and cut the end of flexible housing as required, as the dimension of two and one half inches must be strictly maintained. Tighten clamp.
3. Reference attached Sketch "B"; lift emergency gear extension cover located under the pilot's seat; gently pull on the ring until slack in the priority valve actuating cable is removed.
4. Gently remove the slack from the CO<sub>2</sub> discharge unit cable so that it will slide up the ring as shown in attached Sketch "B"; CO<sub>2</sub> discharge unit cable should extend one inch beyond the priority valve cable at this point.

Instructions: (Continued)

5. After completing the above steps, the system should be properly rigged to insure that the priority valve is mechanically open before the CO<sub>2</sub> unit is discharged.
6. Replace CO<sub>2</sub> bottle in the discharge unit as noted in the Aztec Service Manual.
7. Make appropriate log book entry indicating compliance with this Service Release.

Material Required:

Not Applicable.

Availability of Parts:

Not Applicable.

Effectivity Date:

This Service Release is effective upon receipt.

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. Time required for this inspection can be minimized by coordination with routine maintenance and/or inspection interval.

# SKETCH "A"

CLAMP A4980-6-91  
CLAMP A4980-3-91  
SCREW AN515-832R8  
NUT MS20364-832C



