



# SERVICE BULLETIN

No. 567

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

"Modification DOA EA-1 Approved"

June 7, 1977 M

Subject: Flap Solenoid Repositioning

Models Affected: Serial Numbers Affected:

PA-31, PA-31-300 and  
PA-31-325 Navajo ..... 31-2 to 31-7712051 Inclusive  
PA-31-350 Navajo Chieftain ..... 31-5001 to 31-7752092 Inclusive

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

Purpose: The potential exists for the aileron balance cable to contact an electrical terminal on the flap solenoid. If the aileron balance cable should contact an exposed flap solenoid terminal, the flap system may become inoperative and/or the aileron balance cable may be damaged.

The Service Release contains instructions to invert the flap solenoid to preclude the possibility of the aileron balance cable contacting an exposed flap solenoid electrical terminal.

Instructions:

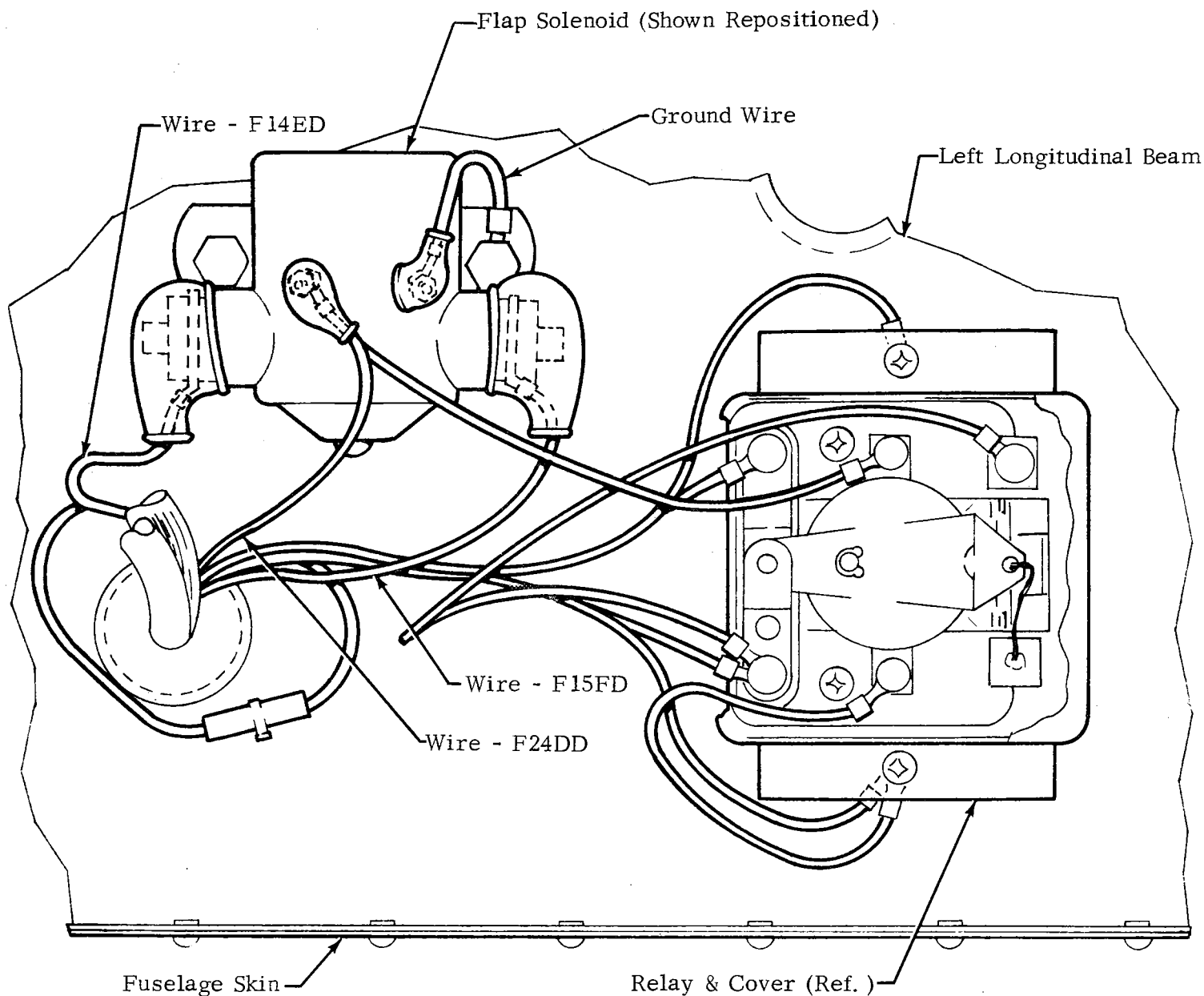
1. Refer to attached sketch/instruction data (to invert the solenoid).
2. Visually check aileron balance cable (near solenoid) for indications of damage; replace, if necessary.
3. Adjust position of solenoid terminal insulating boots (if necessary).

Material Required: None

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 this Service Release in accordance with the provisions of Compliance Time, above. Labor time can be minimized through coordination of this modification with a regularly scheduled inspection/maintenance interval.



### INSTRUCTIONS

1. Remove the center floor panel from the main cabin area to gain access to the flap solenoid. Solenoid is located on the left longitudinal beam between the fuselage bulkheads at stations 162.60 and 174.00.
2. Remove the electrical wires from the solenoid.
3. Remove the solenoid from the beam and reinstall in the inverted position as shown above.
4. Reinstall the electrical wires to the solenoid.
5. Reinstall the center floor panel.
6. Make proper logbook entry of Service Bulletin compliance.