



# SERVICE BULLETIN

No. 473

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

"DOA EA-1 Approved"

March 24, 1976

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Subject:

Alternator Switch Bus Bar Link Insulation.

Models Affected:

PA-31P Pressurized Navajo

Serial Numbers Affected:

31P-1 to 31P-7630001 Inclusive, and 31P-7630003.

Compliance Time:

At the next Programmed Inspection Event, not to exceed the next fifty (50) hours of operation.

Purpose:

A recent field report described an electrical system defect resulting from the alternator switch bus bar link contacting the adjacent fuselage bulkhead (at station 111.50) and consequently shorting out. This condition - in addition to obvious electrical system damage - creates a fire hazard.

This service release provides material and instructions to install insulating material on the above referenced fuselage bulkhead to isolate this structural component from the adjacent alternator switch bus bar link.

Instructions:

Refer to sketch/instruction sheet on reverse side.

Material Required:

One (1) each Piper part number 49167-03, Rubber Insulation (sheet).

Availability of Parts:

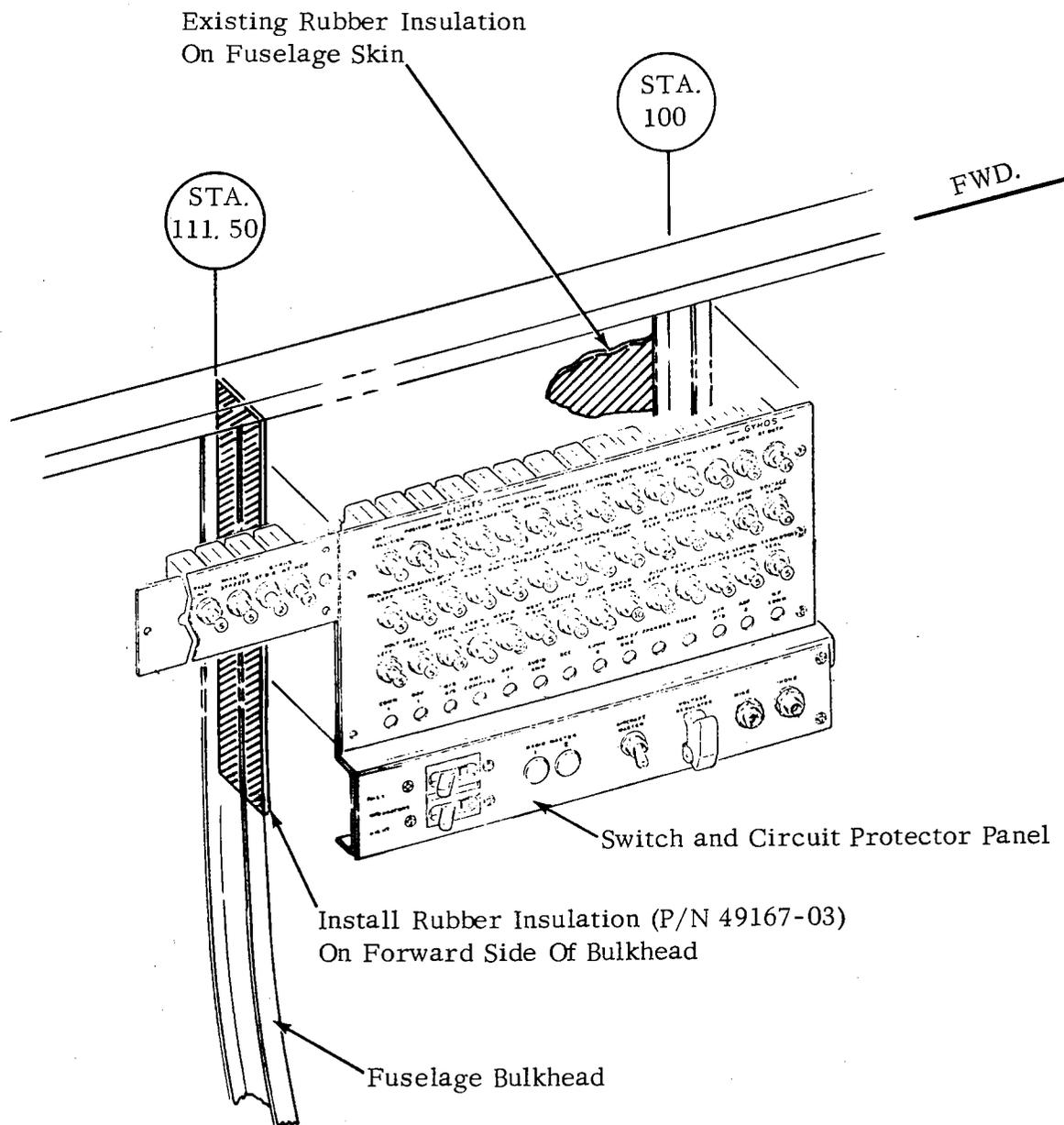
Your Piper field service facility.

Effectivity Date:

This service release is effective upon receipt.

Summary:

Please contact your Piper field service facility to make arrangements for compliance with the provisions of this service release in accordance with Compliance Time, above. Modification material is available at no charge through your Piper field service facility for a period of time not to exceed twelve (12) months from issue date.



### INSTRUCTIONS

1. Remove switch and circuit protector panel attachment screws and pull out assembly for access to fuselage cavity. (Leave all wiring and connections intact).
2. Install rubber insulation (P/N 49167-03) on forward side of fuselage bulkhead at Station 111, 50 as shown. Secure insulation to bulkhead with 3M #EC-847 cement or equivalent.
3. Reinstall switch and circuit protector panel assembly.
4. Make proper Logbook entry of modification.