



SERVICE BULLETIN

No. 535

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

"Modification DOA EA-1 Approved"

December 15, 1976 M

Subject:

Replacement of Radio Power Relay Cover Spacer Bushings

Models Affected:

PA-31, PA-31-325

PA-31-350

Serial Numbers Affected:

31-7612090, 31-7612091, 31-7612092, 31-7612096, 31-7612098, 31-7612099, 31-7612101 to 31-7612105 Inclusive, 31-7612107 to 31-7612110 Inclusive, and 31-7712002 to 31-7712006 Inclusive.
31-7652142 to 31-7652147 Inclusive, 31-7652149 31-7652151, 31-7652152, 31-7652154 to 31-7652162 Inclusive, 31-7652164, 31-7652165, 31-7652167, 31-7652168, 31-7652171 to 31-7652174 Inclusive, 31-7652176, 31-7752002 to 31-7752007 Inclusive, 31-7752009 to 31-7752011 Inclusive, 31-7752013, 31-7752014 and 31-7752017 to 31-7752026 Inclusive.

Compliance Time:

Prior to further flight.

Purpose:

A recent incident occurred at the factory indicating that inadvertent bending of wires attached to the relay can force the relay into a tilted position. Consequently, electrical terminals can short against the relay cover spacer bushing; thus shorting out the avionics. Additionally, the Royalite cover can be kindled in which case it will smolder and smoke.

This service release provides instructions to replace the two 13/16" metal spacer bushings, that are installed between the cover and shelf with 1/2" long, 3/8" to 1/2" O.D. phenolic bushings.

Instructions:

1. Remove left access panel from forward fuselage to gain access to the radio shelf.
2. Locate the avionics power relay assembly, mounted on the lower left side of the radio shelf, and remove the Royalite cover.
3. Replace the two existing metal 13/16" long spacer bushings that were installed between cover and shelf with 1/2" long, 3/8" to 1/2" O.D. phenolic bushings.
4. Re-install the cover over the relay assembly, with the two 1/2" long phenolic spacer bushings between the cover and shelf. Secure cover to shelf using existing attachment screws.
5. Make proper log book entry of Service Bulletin No. 535 compliance.

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Material Required:

Not Applicable.

Labor Allowance:

One (1) hour per aircraft; comply with Product Condition/Compliance Report procedure.

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 Compliance Time, above.

This bulletin transmitted via telex to all Distributors and Owners of F.A.A. record via Western Union Mailgram on December 10, 1976.