



# SERVICE LETTER

No. 674

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

January 3, 1974 M

Subject:

Overvoltage Relay Inspection

Models Affected:

PA-23-250 (Six Place) Aztec  
PA-31 and PA-31-300 Navajo  
PA-31P Navajo

Serial Numbers Affected:

27-4017 to 27-4693 incl. (28 volt electrical system only)  
31-228, 31-230, 31-231 and 31-233 to 31-841 incl.  
31P-3 to 31P-109 incl.

Compliance Time:

Within the next 100 hours of operation.

Purpose:

A few reports have been received from the field describing electrical system damage resulting from overvoltage relay malfunction. The affected overvoltage relay was used in the electrical system of the aircraft listed above.

This service release provides (1) instructions to inspect the overvoltage relays installed in the above referenced aircraft, and (2) material and instructions to replace overvoltage relays installed in the above referenced aircraft that do not perform properly when subjected to the test procedure described herein.

Instructions:

1. Overvoltage relay test procedure.
  - a. Refer to the appropriate Piper service manual for the aircraft listed above; electrical system, overvoltage relay operational check (non-parallel system).
  - b. If the existing overvoltage relays perform properly when subjected to the above referenced operational check, no further action is required.
  - c. If the above referenced operational check reveals the existing overvoltage relays to be defective, replace overvoltage relays as directed below.
2. Overvoltage relay replacement instructions; contained in Overvoltage Relay Replacement Kit, Piper Part No. 760 787 (28 volt systems).

Material Required:

One (1) each per aircraft Overvoltage Relay Replacement Kit, Piper Part No. 760 787 at a special reduced price of \$39.00H, if required per test results.

(over)

Material Required: (continued)

NOTE 1: This special reduced price will be effective until July 1, 1974; after that period, this kit will revert to its normal price structure.

NOTE 2: Regardless of whether one or both overvoltage relays in the aircraft electrical system require replacement per the above, the overvoltage relay replacement kit contains two (2) new overvoltage relays, as the new and the existing overvoltage relays shall not be intermixed.

Availability of Parts:

Your Piper Dealer.

Effectivity Date:

This Service Letter is effective January 14, 1974.

Summary:

Please contact your Piper Dealer to make arrangements for compliance with the provisions of this Service Letter. Replacement material described herein, if required per the results of the overvoltage relay test procedure, will be made available at a special reduced price through your Piper Dealer for a period of time not to exceed July 1, 1974.

A Service Publication Compliance form is enclosed with copies of this Service Letter mailed to affected owners of record; this form is to be filled out according to the instructions on the form reverse side and left with the Piper Dealer performing the modification.