



SERVICE LETTER

No. 701

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.
March 14, 1974

Subject:

Wiring of Overvoltage Relays -- Alternator Paralleling System

Models Affected:

PA-31P Navajo

Serial Numbers Affected:

31P-84 and up (see NOTE, Compliance Time, below)

Compliance Time:

Within the next fifty hours of operation.

NOTE: This service release affects only the aircraft referenced above that have had overvoltage relays replaced in the field.

Purpose:

In the existing Electrical System section of the PA-31P Service Manual (Section XI), Figure 11-11a, Page 11-12a, contains an electrical system wiring schematic relative to the alternator paralleling system. It has been brought to our attention that the left and right overvoltage relay terminal connections have not been identified as to which terminal is "battery" and which is "load".

The objective of this service release is to advise owners/operators of the above referenced aircraft that have had overvoltage relays replaced and/or rewired in the field to have the overvoltage relays rechecked to insure the proper terminal connection, in accordance with the attached sketch -- which clearly specifies the overvoltage relay "battery" and "load" terminals.

Instructions:

1. If overvoltage relay has been replaced/rewired in the field, check overvoltage relay wiring in accordance with the attached sketch.
2. If the overvoltage relay is properly wired, no further action is required.
3. If the overvoltage relay is improperly wired, rewire per attached sketch; then check the function of the overvoltage relays in accordance with Overvoltage Relay Test Information, Section XI, Pressurized Navajo Service Manual.

(over)

Instructions: (continued)

4. If overvoltage relays function within specifications, return aircraft to service and make appropriate log book entry.
5. If overvoltage relays do not function within specifications, replace as required.
6. Make appropriate log book entry.

Material Required:

Reference Instructions No. 5, above.

Availability of Parts:

Your Piper Field Service Facility.

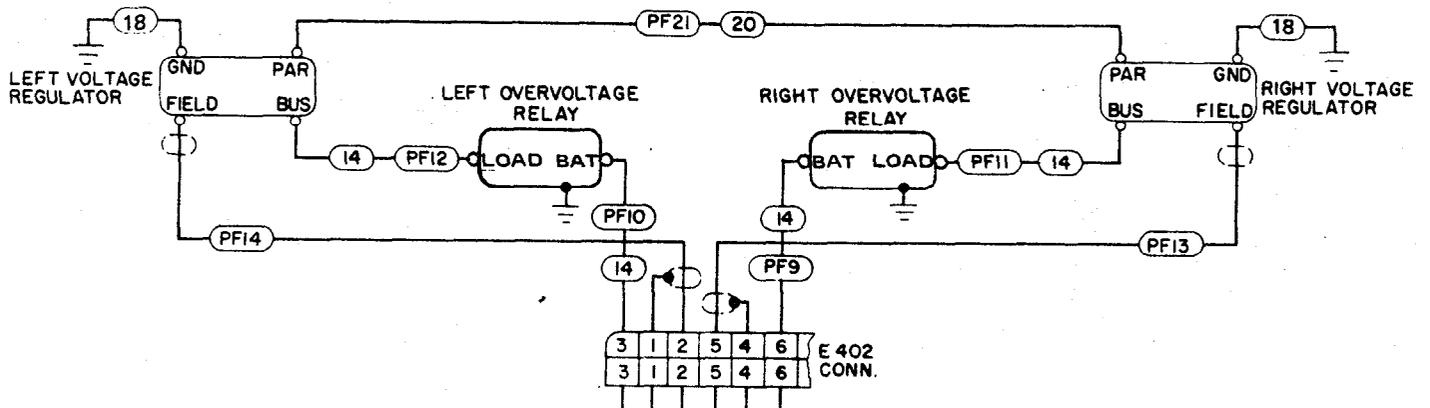
Effectivity Date:

This Service Letter is effective March 29, 1974.

Summary:

Please contact your Piper Field Service Facility to make arrangements for compliance with the provisions of this Service Letter in accordance with Compliance Time, above, if your aircraft is affected as specified above.

A Service Publication Compliance form is enclosed with copies of this service release mailed to affected owners of record. This form is to be filled out according to instructions on the form reverse side and left with the Piper Field Service Facility performing the modification.



● INSTRUCTIONS

1. Remove access panel from left side of forward fuselage to gain access to the electrical accessory shelf.
2. Inspect wiring on left and right overvoltage relays to determine if wires on "BAT" and "LOAD" terminals are correctly wired as shown on above schematic.
3. Correct wiring if required and reinstall access panel.
4. Check operation of overvoltage relays in accordance with Overvoltage Relay Test Information, Section XI, Pressurized Navajo Service Manual.