



# SERVICE LETTER

No. 872

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

June 7, 1979

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Subject:

Alternator Wiring Inspection

Models Affected:

PA-31/31-300/31-325 Navajo  
PA-31-350 Chieftain

Serial Numbers Affected:

31-1 through 31-7812117  
31-5001 through 31-7852146

Compliance Time:

Recommended at the next scheduled inspection.

Purpose:

In some of the aircraft listed above there exists a possibility that insufficient slack in the Alternator wiring harness may cause damage to the wires or may place stress on the wire terminals at the alternator. This condition could result in separation of the wire from the terminal and subsequent loss of alternator power.

This Service Release provides instructions for the inspection of the alternator wiring harness for proper routing and for the installation of an improved alternator field terminal.

Instructions:

1. Gain access to the alternator and wiring in the engine compartments.
2. Inspect the alternator wiring harness between the firewall and the alternator and reroute or adjust as necessary to insure that there is no stress on the wire terminals at the alternator.
3. Replace the alternator field terminal with Terminal, Piper Part Number 588 594 (Amp Part Number 33735). Refer to attached sketch.
4. Make appropriate logbook entry of compliance with this Service Release.

Material Required:

Two (2) each per aircraft, Alternator Field Terminal, Piper Part Number 588 594 (Amp Part Number 33735) at a suggested list price of \$ .33C each.

Availability of Parts:

Your Piper Field Service Facility.

(over)

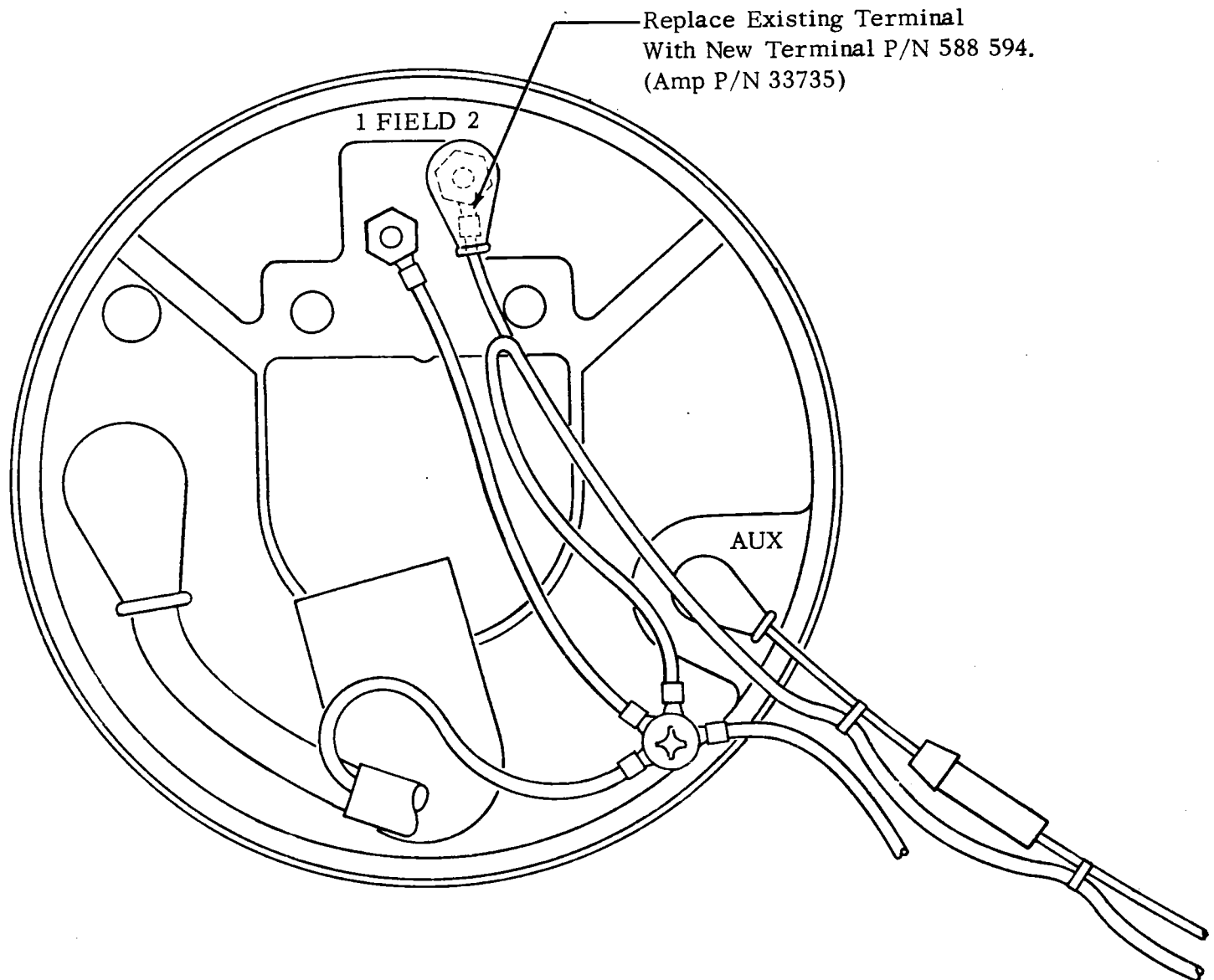
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Effectivity Date:

This Service Release is effective upon receipt.

Summary:

Please contact your local Piper Field Service Facility to make arrangements for compliance with the provisions of this Service Release in accordance with Compliance Time, above. Reimbursement is available for material for all affected aircraft and for up to one (1) hour labor for aircraft in warranty only. Comply with the respective material/labor credit application procedure of your local Piper Field Service Facility.



AFT VIEW OF ALTERNATOR