

The Piper logo consists of the word "PIPER" in a bold, sans-serif font, enclosed within a dark rectangular box with a diagonal line running from the top-left to the bottom-right.

**Customer Services**

Piper Aircraft Corporation

# SERVICE LETTER

**No. 645**

Lock Haven, Pennsylvania, U.S.A.

April 12, 1973

Subject:

Starter Vibrator Wiring Inspection

Models Affected:

PA-23-250 (Six Place) Aztec

Serial Numbers Affected:

27-7304918 to 27-7305024 incl.

Compliance Time:

Within the next fifty hours of operation.

Purpose:

A product condition exists which could allow reversal of the starter vibrator wires at the starter vibrator connection point. Should the starter vibrator wires be reversed on the above mentioned aircraft, hard starting and/or starter vibrator damage may result.

This service release provides information to inspect the starter vibrator to insure proper wiring and to rewire, if required.

NOTE: After rewiring (if necessary), check function of the starter vibrator as specified in Item No. 5 under Instructions on the attached sketch/instruction sheet; replace starter vibrator, if necessary.

Instructions:

Referring to the attached sketch/instruction sheet of this service release:

1. Check for proper wiring,
2. If rewired, check starter vibrator function,
3. Replace starter vibrator, if necessary, and
4. Install a red Ty-Rap on vibrator input wire -- refer to sketch/instruction sheet.

Material Required:

1. One (1) each per aircraft Starter Vibrator, Piper Part No. 492 643 (14 volt) or one (1) Starter Vibrator, Piper Part No. 492 644 (28 volt), if required.
2. One each red Ty-Rap, Piper Part No. 488 679.

Availability of Parts:

Your Piper Dealer.

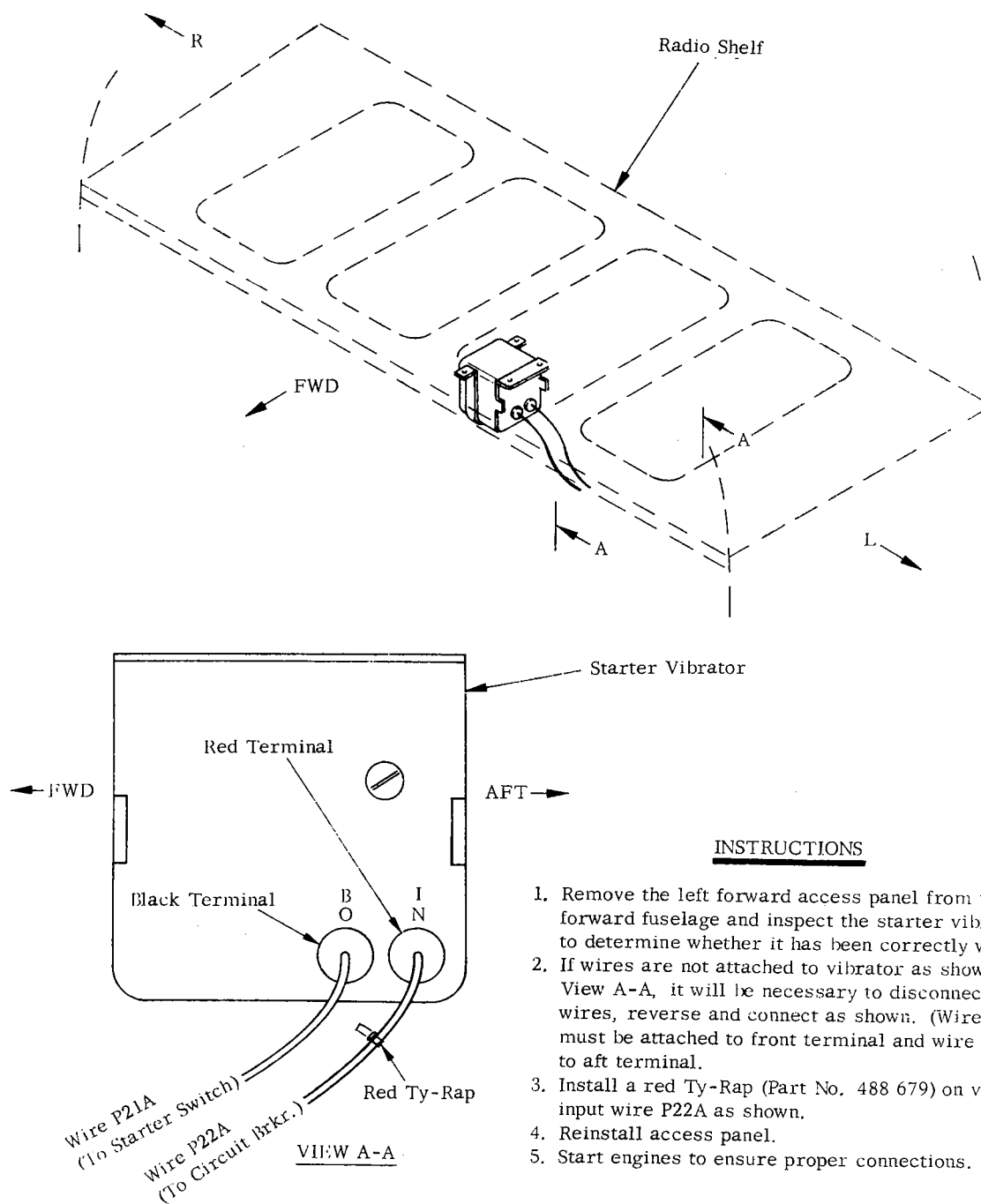
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Effectivity Date:

This Service Letter is effective April 26, 1973.

Summary:

Please contact your Piper Dealer to make arrangements for compliance with this service release as specified by Compliance Time, above. This inspection and the modification (if necessary) can be accomplished by your Piper Dealer in a short time; should your starter vibrator require replacement, a new unit will be provided free of charge through your Piper Dealer as long as the installation is accomplished by a Piper Dealer. The free-of-charge provisions of this Service Letter will expire six (6) months from the Effectivity Date of this Service Letter.

INSTRUCTIONS

1. Remove the left forward access panel from the forward fuselage and inspect the starter vibrator to determine whether it has been correctly wired.
2. If wires are not attached to vibrator as shown on View A-A, it will be necessary to disconnect wires, reverse and connect as shown. (Wire P21A must be attached to front terminal and wire P22A to aft terminal.)
3. Install a red Ty-Rap (Part No. 488 679) on vibrator input wire P22A as shown.
4. Reinstall access panel.
5. Start engines to ensure proper connections.