



# SERVICE LETTER

No. 833

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

April 10, 1978 M

Subject: Cabin Pressurization System Rupture Disc Elimination

Models Affected: Serial Numbers Affected:

PA-31P Pressurization Navajo..... 31P-1 to 31P-7530027 inclusive  
PA-31T Cheyenne..... 31T-7400002 to 31T-7520032 inclusive

Compliance Time: At owner/operator's discretion or when replacement of Rupture Disc Assembly is necessary.

Purpose: The current cabin pressurization system on the above referenced models no longer requires the rupture disc assembly (formerly installed on rear of aft fuselage pressure bulkhead, sta. 274). Further, Rupture Disc Assembly, Piper Part Number 48683-00 is no longer supplied for field replacements through the factory Customer Service Sales Division.

This Service Release authorizes replacement of the Piper Part Number 48683-00 Rupture Disc Assembly (and related Placards, Piper Part Number 47582-00) with a cover plate that may either be fabricated locally or obtained through your Piper Field Service Facility. This product refinement announcement is intended to lower the operating cost of your Pressurized Navajo or Cheyenne cabin pressurization system by eliminating a redundant component.

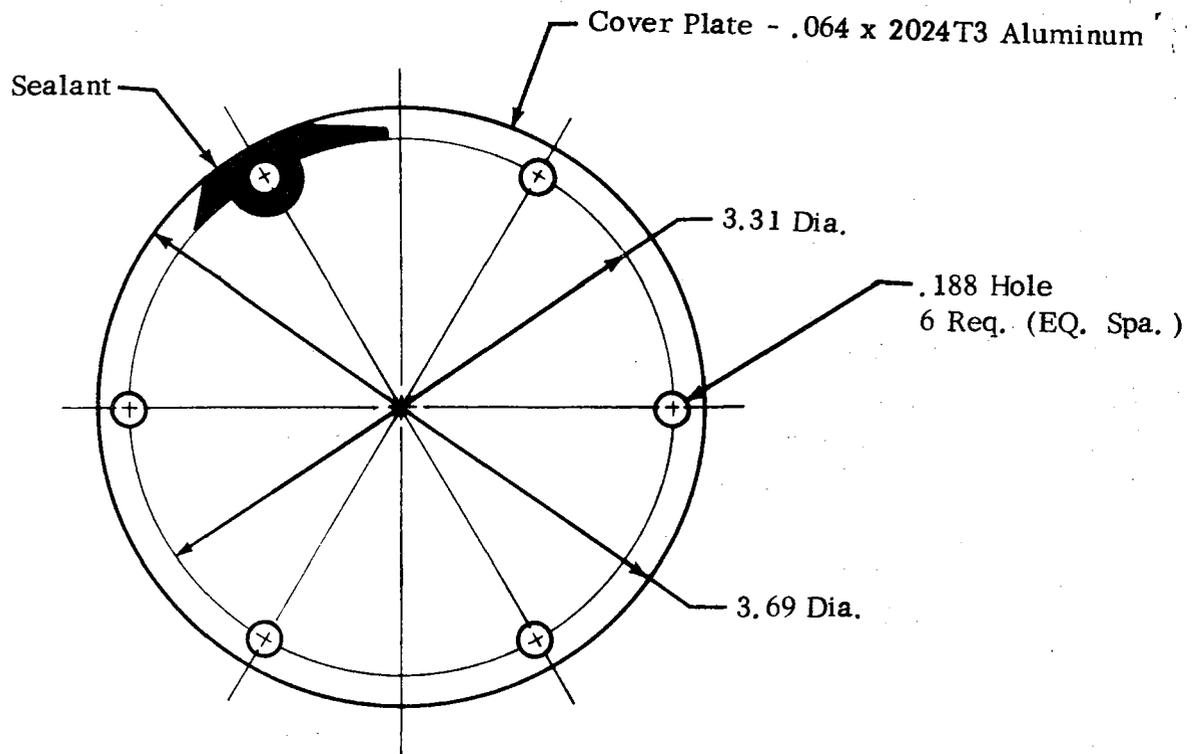
Instructions: Refer to attached sketch/instruction data for cover plate fabrication detail and installation instructions.

Material Required: See attached sketch/instruction data for installation material; one (1) each per aircraft Rupture Disc Cover Plate (refer to Piper Part No. 48893-02, @ suggested unit list price \$ 8.34, if ordering factory supplied plate).

Availability of Parts: Obtain locally or your Piper Field Service Facility.

Effectivity Date: This Service Release is effective upon receipt.

Summary: The product refinement modification described herein may be applied to your aircraft when (and if) the Rupture Disc Assembly component of your cabin pressurization system is to be replaced - or earlier, at your discretion. Your Piper Field Service Facility can either have a Rupture Disc Cover Plate fabricated - or obtain one from the factory for you.



COVER PLATE DETAIL (P/N 48893-02)

INSTRUCTIONS

1. Remove left access panel, located between sta. 274 and sta. 296, from aft fuselage.
2. Locate and remove the rupture disc assembly, installed on rear of sta. 274 pressure bulkhead, by removing the six screws and washers.
3. Remove the rupture disc placards from the forward and aft sides of the pressure bulkhead by drilling out the attachment rivets.
4. Fabricate cover plate per above detail or order plate from Piper Aircraft Corp. under part number 48893-02.
5. Clean cover plate and sta. 274 bulkhead, in the area where the rupture disc assy. and rupture disc placards were removed, with a non-corrosive solvent. Let dry.
6. Apply MIL-S-7502 Sealant (Products Research Comp. PRC-1221 or equivalent) around cover plate and around each hole, as shown on above detail, to make one continuous bead of sealant.
7. Install cover plate on sta. 274 bulkhead with the six screws and washers previously removed.
8. Apply sealant under head of MS20470AD3 rivets and install in rivet holes where placards were attached. (Note: Rivets need not be formed if sealant is allowed time to cure. Check cure time on sealant label.)
9. Reinstall left access panel to aft fuselage.
10. Make proper logbook entry of Service Letter compliance.