



SERVICE LETTER

No. 904

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

FAA Approved

March 11, 1981

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Subject: Sealing Procedures to prevent Water Leaks

Models Affected:

PA-31/ PA-31-300/ PA-31-325 Navajo and Navajo C/R
PA-31-350 Chieftain

Serial Numbers Affected:

Refer to Instructions below for separate sealing procedures applicable to affected areas on specific serial number aircraft.

Compliance Time: At owner/operator's discretion; recommended at the next scheduled maintenance event.

Purpose:

Because leakage of water around cabin, baggage and access doors can cause damage and inconvenience, the following sealing procedures have been developed for those closure points which may be susceptible to the development of leaks.

Instructions:

- I Pilot Entrance Door - The following sealing procedures apply to all aircraft requiring repair or replacement seal on optional pilot entrance door.
 - A. Refer to appropriate Maintenance Manual, "Weatherstrip Installation and Sealing Instructions of Pilot Door" in Section IV.
 - B. Observe the procedures in the Maintenance Manual with the following modification:
 1. PA-31 and PA-31-325 with Serial No. 31-8012028 and up and PA-31-350 with Serial No. 31-8052066 and up employ door seal molding, Piper Part No. 19063-02. This new door seal material is recommended on all aircraft with Pilot Doors installed.
 2. Recommended cement is 3M Company, EC-1300L.
 3. Recommended shim material is 0.125 neoprene.

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Instructions: (continued)

- II Brake Reservoir Door - The following procedures apply to PA-31, PA-31-300, and PA-31-325 with Serial Numbers 31-300 through 31-7912074 and to PA-31-350 with Serial Numbers 31-5001 through 31-7952138.
- A. Gain access to brake reservoir scupper through the avionics access panel on the side of the nose section.
 - B. With alcohol or similar solvent, remove all foreign substances from area where scupper joins aircraft skin.
 - C. Apply a bead of sealant (3M Co. EC 750 or equivalent) around the scupper completely sealing seams, especially forward edge of scupper at hinge attach point.
 - D. Check for leaks, being careful not to let water contact electrical or radio components.
- III Forward Baggage Compartments - The removal of door seal clips applies to PA-31, PA-31-300, and PA-31-325 with Serial Numbers 31-2 through 31-7912101 and to PA-31-350 with Serial Numbers 31-5001 through 31-7952200.
- A. Open forward (Nose) baggage compartment.
 - B. Locate clips holding door seal.
 - C. Remove visible portion of clip from around door seal; file smooth any rough edge on remaining portion of clip.
- IV Logbook Entry - Make appropriate logbook entries of compliance with these instructions applying to specific aircraft.

Material Required:

As needed:

1. Approximately eleven (11) feet seal (molding) Piper Part No. 19063-02.
2. 3M Co. Cement, EC-1300L.
3. 0.125 thick neoprene rubber.
4. 3M Co. Sealant, EC750 or equivalent.

Availability of Parts:

Your Piper Field Service Facility.

Effectivity Date:

This Service Release is effective upon receipt.

Summary:

Please contact your Piper Field Service Facility to arrange for compliance with the provisions of this Service Release.