



SERVICE LETTER

No. 711

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

May 30, 1974

ATA 2822

Subject: Inspection of Submerged Fuel Pumps

Models Affected: PA-31P Pressurized Navajo

Serial Numbers Affected: 31P-1 to 31P-7400196 incl.

Compliance Time: At the next 100-hour inspection or annual inspection, whichever occurs first -- not to exceed the next 100 hours of operation.

Purpose: To establish an inspection program (to be conducted at regular inspection intervals) relative to the subject fuel pumps to detect evidence of fuel leakage. Appropriate Piper inspection procedures in the PA-31P Service Manual are being revised to include this inspection program. Until such time as these revised publications are available, this Service Letter should be attached to the appropriate inspection forms and the PA-31P Service Manual.

Instructions: Refer to attached sketch/instruction sheet for an illustration of (1) submerged fuel pump location (four per aircraft) and (2) areas to be inspected for evidence of leakage.

1. Gain access to submerged fuel pump wiring harness terminals.
2. Check adjacent structures for evidence of leakage (i.e., fuel stains).

NOTE: The most positive means of detecting fuel leakage through the submerged fuel pump wiring harness is to check (with the pump operating) the wiring harnesses where the protective sheet terminates, since any fuel escaping through the wiring harness would be under pressure, and the leakage would be evident. The attached sketch illustrates this area in detail.

3. If there is no evidence of fuel leakage (per No. 2, above), no further action is required; return aircraft to service subsequent to appropriate log book entry.

(over)

Instructions: (continued)

4. If above described fuel leakage is apparent, replace applicable submerged fuel pump (see Material Required, below).
5. Make appropriate log book entry .

Material Required:

Submerged Fuel Pump(s), Piper Part No. 48812-00 (maximum number per aircraft, four each), if required, per the subject inspection.

Availability of Parts:

Your Piper Field Service Facility.

Effectivity Date:

This Service Letter is effective upon receipt.

Summary:

Please contact your Piper Field Service Facility to make arrangements for compliance with the provisions of this service release. Should pump replacement be necessary as a result of the inspection, your Piper Field Service Facility will provide you with information relative to material availability, price, etc.

