



SERVICE LETTER

No. 686

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

January 3, 1974 S

Subject: Inspection of Fuel Pressure Hose Assembly

Models Affected: Serial Numbers Affected:

Affects only carburetor equipped versions of the aircraft listed below.

PA-24-250 Comanche

24-2299 to 24-3641 incl., 24-3643 to 24-3687 incl.
(carburetor equipped only)

PA-24-260 Comanche

24-3642, 24-4000 to 24-4782 incl., 24-4784 to 24-4803 incl.
(carburetor equipped only)

Compliance Time: Within the next 100 hours of operation, and at each subsequent 100 hours of operation as specified on the Standard PA-24 Comanche Series Inspection Report Form.

Purpose: A recent report has been received describing a deteriorated fuel pressure hose (Piper Part No. 17766-43) in a ten-year-old Comanche. This fuel pressure hose is routed through the engine compartment. Inadequate inspections to detect aged, deteriorated and/or worn fuel pressure hoses and failure to replace unserviceable hoses could lead to fuel leakage in this area, with the possibility of fire in the engine compartment.

This service release is being published to emphasize the necessity of thorough and regularly scheduled inspections of Fuel Pressure Hose Assembly, Piper Part No. 17766-43, as called out in the Piper Comanche Standard Periodic Inspection Form, in the "Engine Group" section.

- Instructions:
1. Refer to attached sketch/instruction sheet.
 2. Check hose assembly for the following indications of deterioration which may be caused by age, heat, abrasion and/or mechanical abuse, etc.:
 - a. Security of fittings at both ends;
 - b. Brittleness/lack of flexibility;
 - c. "Honey-combing" and cracks in the outer covering;
 - d. Swelling, kinks or twisting;
 - e. Indications of leakage; and
 - f. Other indications of a deteriorating condition.

(over)

Instructions: (continued)

3. Replace this hose assembly if the above referenced indications of deterioration are evident -- replacement must not exceed each recommended engine overhaul period.

Availability of Parts:

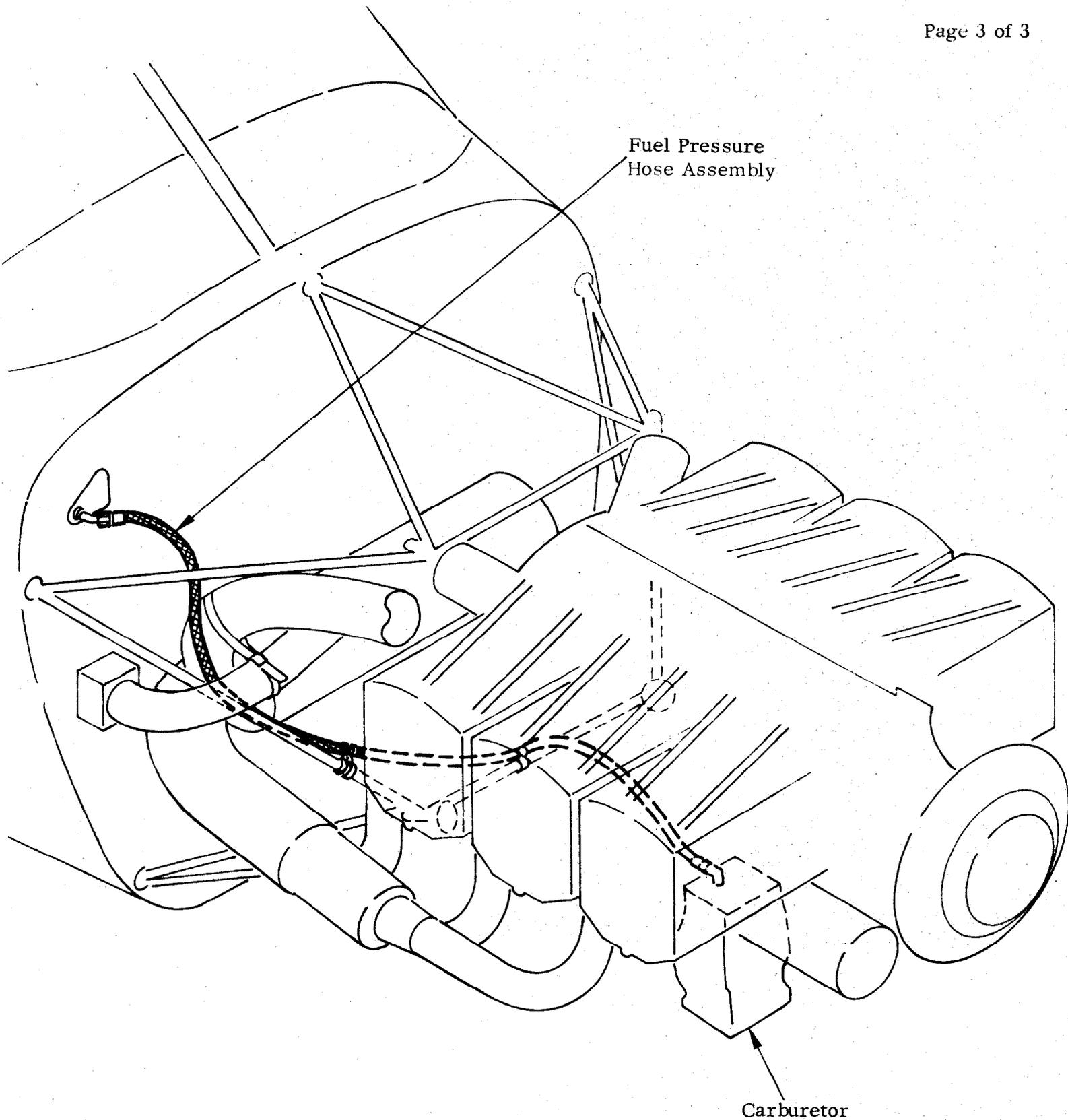
Your Piper Dealer.

Effectivity Date:

This Service Letter is effective January 18, 1974.

Summary:

Please contact your Piper Dealer to make arrangements for compliance with this Service Letter in accordance with the provisions of Compliance Time, above. The inspection requirements of this Service Letter amplify the inspection requirements denoted in the Standard Piper Inspection Report for the PA-24 Comanche Series aircraft.



● INSTRUCTIONS

1. Carefully inspect the fuel pressure hose assembly to determine if any signs of deterioration exists.
2. If signs of deterioration exist, replace with new Hose Assembly Part No. 17766-43.

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