



SERVICE LETTER

No. 811

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

April 26, 1977

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Subject: Inspection and Relocation of Oil Cooler Inlet Hose

Models Affected: Serial Numbers Affected:

PA-31T Cheyenne 31T-7400002 to 31T-7720032 Inclusive

Compliance Time: At owner/operator's discretion, recommended at the next continuous Inspection Event - not to exceed the next fifty (50) hours of operation.

Purpose: Based on reports received from field sources, it is apparent that the oil cooler inlet hose, supplying engine oil to the oil cooler, may - unless extreme care is exercised during hose routing - be too sharply bent, or "kinked". This condition - if left unattended - could cause oil flow restriction, premature fatigue (at the bend) and possible loss of oil due to leakage.

This Service Release recommends an inspection to determine hose integrity (and replacement, if required), and rerouting of the hose to preclude hose deterioration due to routing restriction.

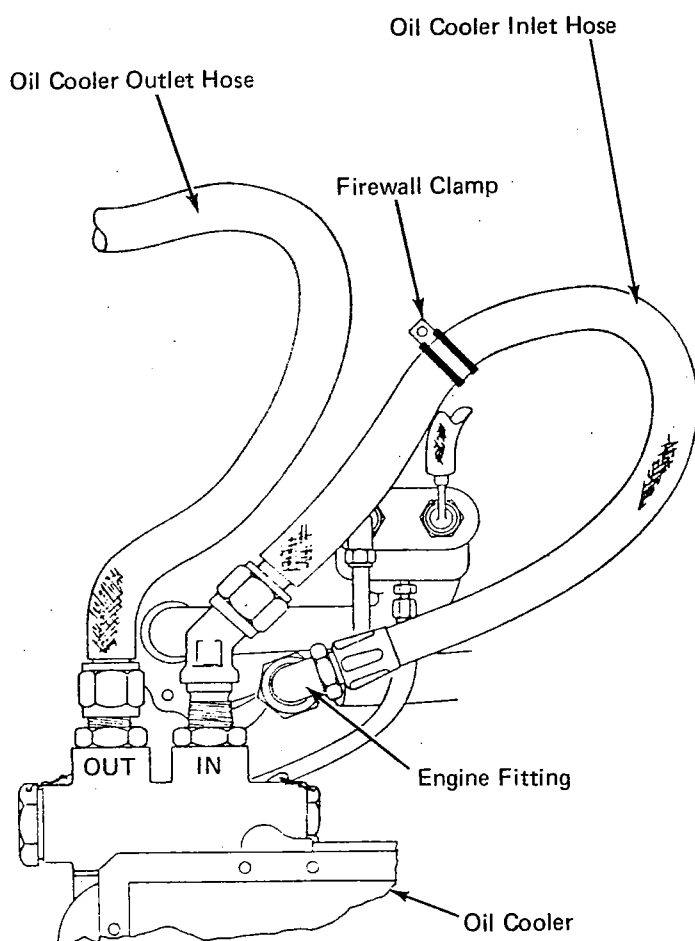
Instructions: Refer to attached sketch/instruction data.

Material Required: Two (2) each per aircraft Hose Assembly, Oil Cooler Inlet, Piper Part No. 80026-05 @ suggested unit list price \$ 39.00C; only if required per Instructions No. 4 b.

Availability of Parts: Your Piper Field Service Facility.

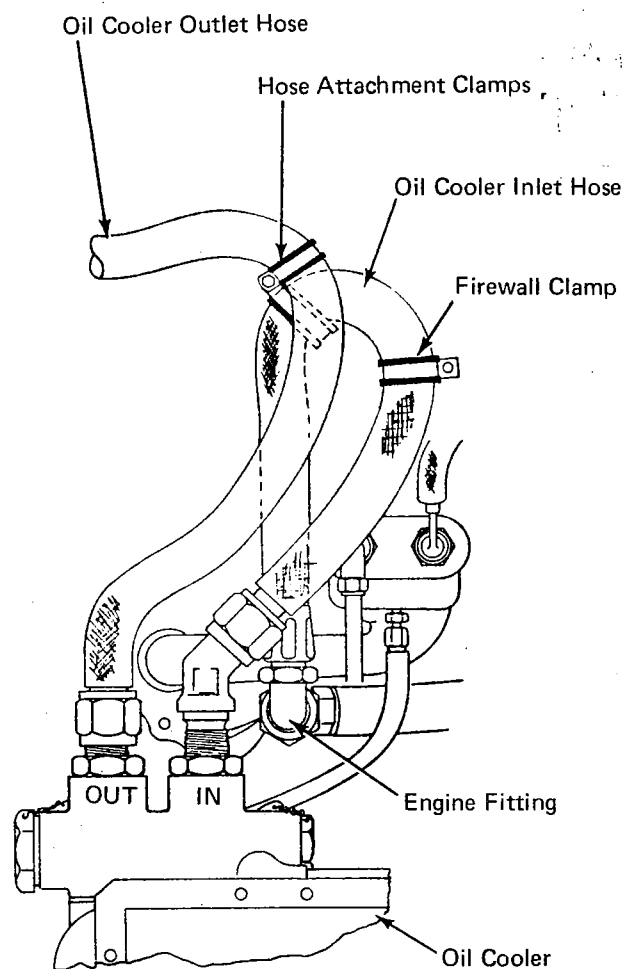
Effectivity Date: This Service Release is effective upon receipt.

Summary: Please contact your Piper Field Service Facility to make arrangements for the subject inspection and modification as recommended in Compliance Time, above.



VIEW AFTER REROUTING HOSE

- CORRECT -



VIEW PRIOR TO REROUTING HOSE

- INCORRECT -

(VIEW LOOKING FROM FIREWALL TO REAR OF ENGINE)

INSTRUCTIONS

1. Remove cowlings from left and right engines.
2. Remove and discard clamps attaching oil cooler outlet hose to oil cooler inlet hose.
3. Remove clamp securing oil cooler inlet hose to firewall.
4. Remove oil cooler inlet hose and pressure check with air or fluid to 150 to 200 PSI.
 - a. If hose meets pressure check requirements, it will be suitable to reinstall.
 - b. If hose fails pressure check requirements, it will be necessary to replace with new hose Part No. 80026-05.
5. Reposition engine fitting and install oil cooler inlet hose as shown. Secure hose to firewall with existing clamp.
6. Test run engines to insure there are no leaks.
7. Reinstall cowlings on both engines and make proper Logbook entry of Service Bulletin compliance.