



SERVICE BULLETIN

No. 734

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

Modification FAA DOA-EA-1 Approved

December 11, 1981 M

Subject: Fuel Scavenge Pump Check Valves Relocation

Models Affected: Serial Numbers Affected:

PA-31T Cheyenne/Cheyenne II	31T-7400002 through 31T-8120056
PA-31T1 Cheyenne I	31T-7804001 through 31T-8104067
PA-31T2 Cheyenne II XL	31T-8166001 through 31T-8166029

Compliance Time: Within the next one hundred (100) hours of operation or at the next inspection event, whichever occurs first.

Purpose: In the existing configuration of the fuel scavenge pump check valve, a broken system line could become a source of flame propagation in the event of an engine fire.

This Service Release provides instructions for relocation of each fuel scavenge pump check valve to a protected position aft of the firewall.

Instructions: Accomplish on both left and right engines:

1. Drain enough fuel from the associated nacelle tank to bring the fuel level below that of the fuel scavenge return line on the nacelle bulkhead, station 121.5.
2. On the right side of each nacelle, remove the inspection plate which allows access to the fuel return line just aft of the firewall.
3. Where the return line goes into the bulkhead fitting at station 121.5, unscrew the line from the AN815-4D union and remove the union.
4. Remove the check valve from between the fuel scavenge pump and the return line.
5. Behind the firewall, carefully bend the return line so that the check valve can be reinstalled as shown in Sketch. Do not allow the tube to bend where it extends through the "B" nut at the firewall fitting.
6. Install the AN815-4D union in the fuel scavenge pump and install the check valve as shown in Sketch.
7. Reconnect the lines, fill the system with fuel, and check for leaks.
8. Make appropriate logbook entry of compliance.

Material Required: Not Applicable.

Availability of Parts: Not Applicable.

(over)

Effectivity Date: This Service Release is effective upon receipt.

Summary: Please contact your Piper Field Service Facility to make arrangements for compliance with the provisions of this Service Release in accordance with the Compliance Time, above.

