



SERVICE BULLETIN

No. 597

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

"Modification DOA EA-1 Approved"

April 19, 1978 M

Subject: Fuel Selector Valve Replacement

Models Affected: Serial Numbers Affected:

PA-30 Twin Comanche..... 30-1745 to 30-2000 Inclusive (See Note, below);
PA-39 Twin Comanche..... 39-1 to 39-155 Inclusive (See Note, below).

NOTE:

Aircraft within this group are affected only if the Fuel Selector Valve Piper Part Number 492 137 Right (Airborne 1H7-8) has been replaced after April 1977 - with a valve bearing the designation "4C" in the valve serial number.

Compliance Time: Prior to further flight.

Purpose: Following replacement of a fuel selector valve on one of the above referenced aircraft, lack of fuel flow was noted during test run-up. Subsequent investigation revealed a severely restricted fuel flow through the (new replacement) fuel selector valve main port. It was subsequently determined by the valve supplier that several fuel selector valves (see Piper and Airborne valve part number, above), manufactured with the designation "4C" in the valve serial number, were defective internally, resulting in severely restricted fuel flow.

This Service Release provides instructions to inspect the above referenced aircraft having had valve(s) replaced since April 1977 only to locate and replace "4C" serial number valves.

Instructions: Applies only to above referenced aircraft having had Fuel Selector Valve, Piper Part Number 492 137 (right) - Airborne Part Number 1H7-8 - replaced since April 1977.

1. Gain access to Right Fuel Selector Valve; refer to PA-30/39 Service Manual.
2. Locate and visually check valve name plate.
3. If designation "4C" does not appear in valve serial number, no further action is required. Prepare aircraft for return to service, make appropriate log book entry.
4. If designation "4C" does appear in valve serial number, valve must be replaced.
5. Adjust new fuel selector valve per PA-30/39 Service Manual.
6. Make appropriate log book entry.

Material Required: One (1) each per aircraft (only if required, per Instructions No. 4, above) Fuel Selector Valve, Piper Part Number 492 137 (right).

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 compliance with this Service Release in accordance with Compliance Time, above, if your aircraft is affected as described herein. Reimbursement for material expense (if required) and one half hour (for inspection only, if necessary) or two hours (valve replacement, if necessary) per aircraft is available through your Piper Field Service Facility in accordance with their respective material/labor credit application procedures.