



SERVICE BULLETIN

No. 212

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

December 5, 1962

F. A. A. Approved

SUBJECT: Installation of Engine Driven Fuel Pump Vent Lines
(PA-24 "250" Comanches equipped with Fuel Injection)

MODELS AFFECTED: PA-24 "250" Comanches, Serial Numbers 24-3205 to 24-3213 incl., 24-3215, 24-3218, 24-3219, 24-3221, 24-3222, 24-3229, 24-3232, 24-3242, 24-3243, 24-3245 to 24-3247 incl., 24-3251, 24-3260, 24-3265, 24-3267, 24-3284, 24-3289, 24-3291, 24-3298, 24-3314, 24-3320, 24-3323, 24-3327

DATE OF COMPLIANCE: Prior to but not later than next 10 hours of operation

A few instances have been reported of a ruptured diaphragm in the bottom section of the AC engine driven fuel pump installed in PA-24 "250" Comanches equipped with fuel injection.

In order to prevent the possibility of fuel being discharged into the engine compartment through the upper vent hole in the engine driven pump, it is necessary that an overboard fuel discharge line be installed in the open vent. For details of installation, see installation instructions on reverse side and attached sketch.

Kit No. 756 700, consisting of a discharge tube, a modified pump baffle and such fittings as are necessary to make this installation, is available through the Service Spares Department. Distributors should order Kit No. 756 700 for compliance with this bulletin and, upon receipt of a Warranty and Credit Claim, credit will be issued for the kit and three (3) hours of warranty labor.

NOTE

URGENT! Owners and operators of all Comanches equipped with Bendix Fuel Injection System should use the electric fuel pump only when priming engine, or in the event of engine fuel pump failure until the above modification is completed.

(over)

INSTALLATION INSTRUCTIONS - KIT 756 700
ENGINE FUEL PUMP VENT MODIFICATION
PA-24-250 FUEL INJECTION

The following are instructions for attaching a second vent line to the engine driven fuel pump on the Fuel Injection Model PA-24-250.

1. Remove the engine driven fuel pump from the aircraft.
2. Remove the baffle from the pump assembly and discard. Retain back adapter cover.
3. Install new elbow (Part No. 23798-00) in open vent hole of pump assembly. See Sketch "A".
4. Install the modified baffle assembly (Part No. 23300-00) to the fuel pump, install vent hoses and vent connector tube (Part No. 16632-00) as shown in Sketch "B".

NOTE

One new hose is provided with the kit while the other hose is obtained by cutting a 4" length from the present vent hose.

5. Reinstall the fuel pump to the engine. (Insure new fuel pump gasket is used.) Torque fuel pump mounting bolts to 240 in. lbs. and safety.
6. Reconnect all fuel lines to the pump and check for leaks.

B
FUEL PUMP BAFFLE (23300-00)

ELBOW (23798-00)

CLAMP (SAE #8)
4 REQ.

VENT HOSE

VENT CONNECTOR TUBE (16632-00)

MODIFIED
INSTALLATION

OPEN VENT HOLE

A

PRESENT
INSTALLATION

SCREW (AN526-832R8)
NUT (MS20365-832C)

CLAMP (A3046 S-16-91)

CLAMP (4980 S-8-91)

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