



SERVICE BULLETIN

No. 717

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

FAA DOA SO-1 Approved

July 8, 1981

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Subject:

Fuel Selector Line Inspection

Models Affected:

PA-28-140 Cherokee
PA-28-150/160 Cherokee
PA-28-151 Warrior
PA-28-161 Warrior II
PA-28-180 Cherokee
PA-28-181 Archer II
PA-28-236 Dakota
PA-28R-180 Arrow
PA-28R-200 Arrow II
PA-28R-201 Arrow III
PA-28RT-201 Arrow IV

Serial Numbers Affected:

28-20000 through 28-7725290
28-01 through 28-4377
28-7415001 through 28-7715314
28-7716001 through 28-8116260
28-671 through 28-7505259
28-7690001 through 28-8190271
28-7911001 through 28-8111082
28R-30004 through 28R-7130013
28R-35001 through 28R-7635545
28R-7737001 through 28R-7837317
28R-7918001 through 28R-8118074

Compliance Time:

Within the next one hundred (100) hours or at the next annual inspection event, whichever occurs first.

Purpose:

Reports have been received of a chafing condition between the left fuel line, near the fuel selector, and the left forward air vent assembly lever.

If this condition exists and is left uncorrected, the chafing could become severe enough to wear through the fuel line and cause fuel leakage.

This Service Release provides instructions and illustrations to inspect the area for chafing and to provide clearance of the fuel line.

Instructions:

1. Remove left hand forward air vent cover.
2. Inspect for clearance between fuel line and air vent lever. (See Figure 2). It will be necessary to rotate vent lever from open to close position to ascertain clearance throughout full travel. If a minimum of .05 inch exists, reinstall air vent cover and proceed to Instruction 7.

(over)

Instructions: (continued)

3. If clearance is less than .05 inch, fabricate a tool (utilizing the dimensions shown in Figure 1) from a suitable non-metallic material such as wood. Insert tool between fuel line and vent lever. Slide tool forward and aft, at the same time twisting it in each direction, to obtain .05 inch to .15 inch gap.
4. Remove tool and, utilizing a suitable mirror, inspect the fuel line for damage such as dents, flat spots, etc.
5. If fuel line is worn beyond airworthy limits, remove and replace fuel line; fuel tank drainage may be necessary. (See Material Required.) Install new fuel line and assure clearance as described in Instruction 3.
6. Inspect for leaks, reinstall side panel and air vent cover.
7. Make appropriate logbook entry of compliance with this Service Release.

Material Required:

If required by Instruction 5, one (1) each Fuel Line, Piper Part Number 62306-00V, or 67700-57V, or 63846-00V, per aircraft. (Refer to appropriate Parts Catalog.)

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 the provisions of this Service Release in accordance with the Compliance Time, indicated.

Any applicable Factory participation will remain in effect for a period of time not to exceed 180 days from the date of this Service Release.

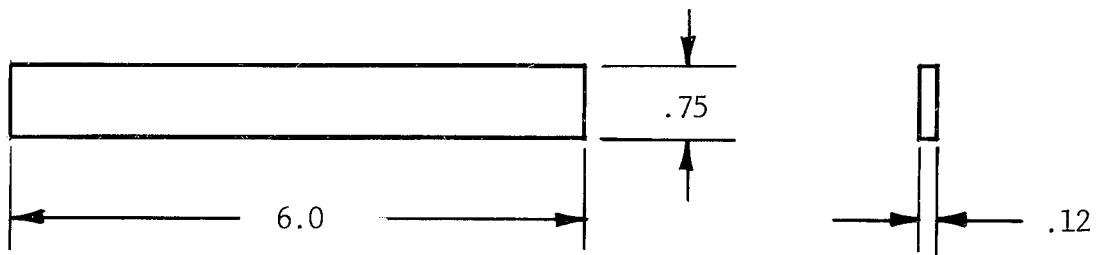


FIGURE 1

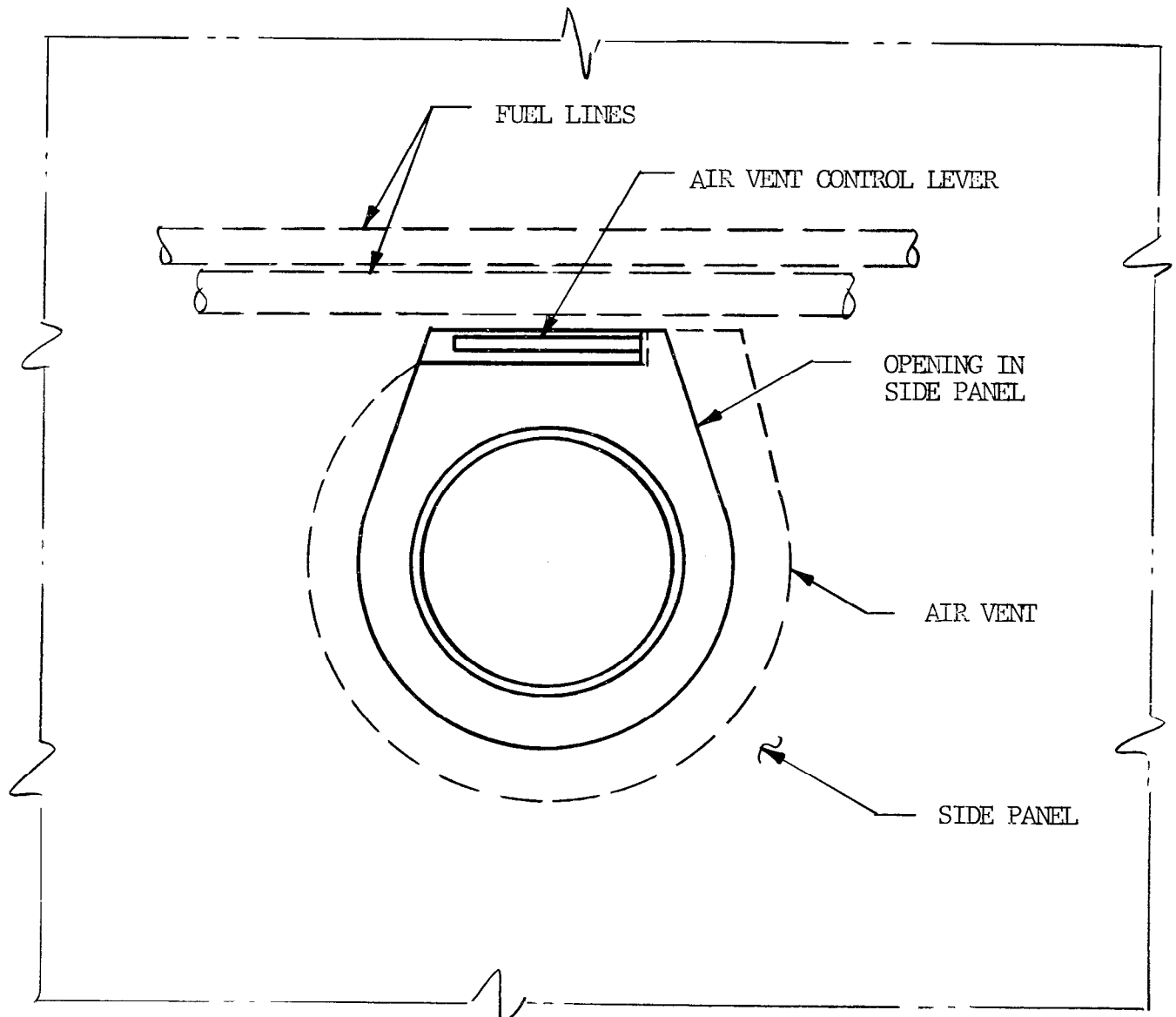


FIGURE 2