



# SERVICE BULLETIN

No. 646A

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

FAA/DOA SO-1 Approved

March 5, 1980

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Service Bulletin No. 646A supercedes and voids Service Bulletin No. 646 dated September 19, 1979.

Subject: Fuel Tank Vent Modification and Vent Hose Replacement.

Reason for Revision: Revise models affected; serial numbers affected; material required; add kit, Piper Part Number 764-011V.

Models Affected:

PA-28-161	Warrior II
PA-28-181	Archer II
PA-28-201T	Turbo Dakota
PA-28R-201	Arrow III
PA-28RT-201	Arrow IV
PA-28R-201T	Turbo Arrow III
PA-28RT-201T	Turbo Arrow IV
PA-28-235	Cherokee Pathfinder
PA-28-236	Dakota
PA-32-260	Six 260
PA-32-300	Six 300
PA-32R-300	Lance
PA-32RT-300	Lance II
PA-32RT-300T	Turbo Lance II

Serial Numbers Affected:

28-7816024	through	28-7916475
28-7890023	through	28-7990493
28-7921001	through	28-7921068
28R-7737135	through	28R-7837317
28R-7918001	through	28R-7918172
28R-7703309	through	28R-7803373
28R-7931001	through	28R-7931222
28-7710079	through	28-7710089
28-7911001	through	28-7911204
32-7800001	through	32-7800008
32-7740109	through	32-7940290
32R-7780215	through	32R-7880068
32R-7885001	through	32R-7985105
32R-7787001,	32R-7887002	through 32R-7987126

Note: Those aircraft noted above which have complied with Service Bulletin 646 dated September 19, 1979 need not comply.

Compliance Time:

Prior to next flight if there is any evidence of leakage, otherwise at the next annual inspection, but not to exceed the next 100 hours of operation.

(over)

Purpose:

Reports have been received from the field of fuel leaks from the lower surface of the wing in the area of the main spar and the wing root. These leaks can be the result of cracked or broken hoses due to vent line to fitting misalignment and hose deterioration. Leakage may result in fuel fumes being detected in the cabin and staining of the lower wing surface.

Instructions:

1. For PA-28 model aircraft, PA-32-260 model aircraft, serial numbers 32-7800001 through 32-7800008 and PA-32-300 model aircraft, serial numbers 32-7740109 through 32-7840202; all instructions necessary to accomplish this modification are contained in the "Fuel Tank Vent Modification and Vent Hose Replacement Kit", Piper Part Number 763-934V.
2. For PA-32-300 model aircraft, serial numbers 32-7940001 through 32-7940290, PA-32R-300, PA-32RT-300 and PA-32RT-300T model aircraft. All instructions necessary to accomplish this modification are contained in the "Fuel Tank Vent Hose Replacement Kit", Piper Part Number 764-011V.

Material Required:

For PA-28 model aircraft, PA-32-260 model aircraft, serial numbers 32-7800001 through 32-7800008, and PA-32-300 model aircraft, serial numbers 32-7740109 through 32-7840202, one (1) each "Fuel Tank Vent Modification and Vent Hose Replacement Kit", Piper Part Number 763-934V.

For PA-32-300 model aircraft, serial numbers 32-7940001 through 32-7940290, PA-32R-300, PA-32RT-300 and PA-32RT-300T model aircraft one (1) each "Fuel Tank Vent Hose Replacement Kit", Piper Part Number 764-011V.

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.