



SERVICE LETTER

No. 516

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

March 7, 1969

Subject: Fuel Cell Vent System Modification

Models Affected: PA-24 and PA-24 "250" Comanche

Serial Numbers Affected: 24-1 to 24-3529 incl.

Compliance Time: Recommended at the next 100 hour inspection

Purpose: To provide the necessary material and instructions to accomplish installation of an improved fuel cell venting system incorporating recessed NACA type anti-icing fuel cell vents which will minimize the possibility of fuel cell vent restriction resulting in fuel cell collapse. (See lower portion of sketch on reverse side of this letter.)

Also included are 1/2 inch forward facing fuel drain tubes to minimize difficulties that could occur as a result of loose fuel tank caps; and sealing material is provided to preclude the entrance of water into the fuel quantity gauge sender recess.

Installation of Kit No. 760 277 or 760 281 (as applicable; see Material Required, below) will preclude further compliance with F.A.A. Airworthiness Directive 68-13-3, and Piper Service Bulletin Nos. 216 and 231A. Piper Service Letter No. 367 shall remain in effect.

Instructions: Contained in Kit Nos. 760 277 and 760 281, as applicable.

Material Required: * Kit No. 760 277, Fuel Cell Vent Modification; for main tank modification. 155.00 A
 Kit No. 760 281, Fuel Cell Vent Modification; for auxiliary tank modification. 141.00 A

Material Allowance: None

Labor Allowance: None

(over)

* NOTE

(1) Above referenced aircraft with only main tanks installed will require only Kit No. 760 277; with auxiliary tanks installed, both Kit No. 760 277 (main tank modification) and Kit No. 760 281 (auxiliary tank modification) will be required.

(2) Above referenced aircraft serial numbers 24-1 to 24-580 incl. must order, in addition to modification kit number 760 277, "thermos" type fuel cell caps, Piper part number 21821-00, inasmuch as this item is not included in Kit No. 760 277. (See upper portion of sketch, below.)

(3) Compliance with this Service Letter will preclude any future action as regards Piper Service Bulletin numbers 180 and 193.

