May 10, 1976

SE76-8
(Supplement #1)

SUBJECT: CLEANING OF FLUSH FUEL CAPS

REASON FOR LETTER:

Since the original issue of Service Letter SE76-8, the umbrella rubber in the fuel cap check valve has been made available as a detail fuel cap replacement part and is to be replaced whenever leakage around the check valve indicates a deteriorated umbrella. (Reference attached Figure 1.)

The umbrella rubber (part number 4708) may be obtained through the Cessna Dealer Organization at a suggested list price of $1.27(A).

To remove the umbrella rubber from the check valve, lubricate the umbrella stem with hydraulic fluid to prevent tearing the stem. When installing the new umbrella, lubricate the stem with hydraulic fluid and use a small blunt tool to insert the retaining knob on the umbrella, into the check valve body to prevent damaging the stem.

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(Owner Notification System - No. 1)

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE

CESSNA AIRCRAFT COMPANY
1. **FUEL CAP INSPECTION.**

**NOTE**

Observe where fuel collects. Fuel in handle well could indicate stem "O" ring leakage. Fuel collecting around perimeter of cap could indicate cap "O" ring or check valve leakage.

a. Remove fuel cap from adapter, remove safety chain from cap and cover or plug fuel opening to keep out foreign matter.

b. Remove nut (7) and, observing position of lock plate (9) in relation to stem (14), disassemble cap as shown.

c. Note resiliency of "O" rings (10 & 13), rubber umbrella and condition of grooves (2 & 11).

2. **FUEL CAP CLEANING.**

a. Using a cotton swab and Stoddard solvent, or equivalent, gently lift edges of rubber umbrella (5) and clean stainless steel seat and umbrella removing all contaminates. Using a second swab wipe seat and umbrella thoroughly, removing all cotton fibers. Repeat until swabs show no discoloration.

b. If "O" ring grooves appear contaminated, clean with solvent and cotton swabs.

3. **FUEL CAP ASSEMBLY.**

a. Assemble fuel cap, replacing "O" rings and rubber umbrella if damaged or resiliency lost.

**NOTE**

Be sure washer (3) is installed with same side up or binding may occur.

Square hole in lock plate (9) must be installed on stem (14) exactly as when disassembled. If cap, when assembled will not fit, remove lock plate and reassemble after rotating lock plate 180°.

b. Connect Safety chain and install cap.