February 27, 1976

SE76-8

SUBJECT: CLEANING OF FLUSH FUEL CAPS

AIRCRAFT APPLICABILITY: All Model 177 thru 210 Series Aircraft Utilizing Flush Fuel Caps

REASON FOR LETTER:

Recent field experience and evaluation of the flush fuel caps has shown that contamination from fuel residue, dirt, moisture and corrosion can build up on the cap "O" rings and vent valve and prevent proper sealing of the fuel cap.

Due to the importance of maintaining proper fuel cap sealing, it is recommended that caps be cleaned and inspected on an as required basis.

The attached fuel cap cleaning procedure has been developed to aid field personnel in servicing and maintaining the flush fuel caps, and should be utilized whenever fuel cap leakage is experienced.

The following fuel cap replacement parts are available through the Cessna Dealer Organization at the suggested list prices shown.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>4196-1</td>
<td>&quot;O&quot; Ring (Cap)</td>
<td>$1.36 (S) ea.</td>
</tr>
<tr>
<td>4197</td>
<td>&quot;O&quot; Ring (Stem)</td>
<td>$1.35 (S) ea.</td>
</tr>
<tr>
<td>4189</td>
<td>Handle</td>
<td>$5.31 (S) ea.</td>
</tr>
<tr>
<td>4199</td>
<td>Pin - Handle</td>
<td>$.25 (S) ea.</td>
</tr>
</tbody>
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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) 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 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.