August 17, 1973

SUBJECT: AIR FILTER INSPECTION AND MAINTENANCE

AIRCRAFT AFFECTED: All Single Engine Models

REASON FOR LETTER:

Service manuals presently recommend that induction air filters be removed, inspected and cleaned each 50 hours of operation to insure satisfactory engine operation and extended service life. The service manuals also recommend daily maintenance of the filter element if operating under extremely dusty conditions.

When inspecting and cleaning air filters it is important that the procedures outlined in the service manuals be followed closely so that satisfactory results are obtained.

Two types of air filter elements have been used on Cessna aircraft --

1. Early production aircraft utilized a flock-coated, oiled filter element.


In addition to the inspection and cleaning procedures set forth in current service manuals the following two important items apply to the paper-media filters.

1. Bonding of the paper pleats to the face screen is to be checked during the 50 hour inspection.

   The bonding holds the paper pleats in place and if broken, the pleats are free to shift which can impair filtration. A face screen that is loose or gapping away from the paper pleats is indicative of broken bonding and is cause to replace the filter element.

2. Water under pressure can damage the paper pleats in the air filter element, therefore, care is to be used when washing down the aircraft.

Continued...........
A few inquiries have been received from floatplane operators concerning the use of the flock-coated type filter element on late model aircraft in place of the paper filter element. While the flock-coated type element requires more servicing (must be kept oiled at all times) its usage may be desirable for certain types of floatplane operation. Therefore, we are making available, from the Service Parts Center, the flock-coated oil filter element as an approved field replacement on floatplane aircraft ---- part number and pricing information is shown below:

<table>
<thead>
<tr>
<th>Model Usage</th>
<th>Flock-Coated Type Filter Element Part Number</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>150</td>
<td>40599 (TCMC); 13203 (Air Maze)</td>
<td>$23.32 (B)</td>
</tr>
<tr>
<td>172</td>
<td>627357 (TCMC); 121615 (Air Maze)</td>
<td>$33.59 (B)</td>
</tr>
<tr>
<td>180, 182 &amp; 195</td>
<td>121553 (Air Maze); 0750146</td>
<td>$74.90 (A)</td>
</tr>
</tbody>
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(Owner Notification System - No. 1)

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ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE

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THE CESSNA AIRCRAFT COMPANY