November 7, 1969
SE69-22

SUBJECT: IMPROVED FLASHER ASSEMBLY FOR OMNI-FLASH BEACON

MODELS AFFECTED: All Single Engine Aircraft and Super Skymaster.

Effective on current production aircraft, an improved flasher assembly is being used in the Omni-Flash beacon installation. The new flasher is also being shipped as a spares replacement as indicated below.

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
<th>Suggested List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flasher Assembly (12V)</td>
<td>C594501-0203 (Supersedes C594501-0201)</td>
<td>$42.20 (A)</td>
</tr>
<tr>
<td>Flasher Assembly (24V)</td>
<td>C594501-0204 (Supersedes C594501-0202)</td>
<td>$42.20 (A)</td>
</tr>
</tbody>
</table>

NOTE: A production date has not yet been established for use of the new flasher on aircraft manufactured in Reims, France. However, spares replacement information as indicated in this letter is applicable at this time.

In conjunction with the increased service life of the new flasher, an extra set of leads has been added to facilitate the use of a second beacon if desired. Instructions (copy attached) have been prepared detailing correct usage of the leads for both single and dual beacon installation.

NOTE: The attached instructions also contain information regarding a required change in mounting location when installing the new flasher on the following aircraft.

<table>
<thead>
<tr>
<th>Model</th>
<th>Serial Numbers</th>
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<tbody>
<tr>
<td>180</td>
<td>18051775 thru 18051881</td>
</tr>
<tr>
<td>183 Skywagon</td>
<td>185-1150 thru 185-1305</td>
</tr>
<tr>
<td>Agwagon</td>
<td>188-0001 thru 188-0317</td>
</tr>
</tbody>
</table>

If replacement of a flasher assembly is required on in-service aircraft, the latest type, which is available through the Cessna Dealer Organization, should be used. Part numbers and suggested list prices are listed above.

(Owner Notification System - No. 1)

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ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE

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THE CESSNA AIRCRAFT COMPANY
THERE ARE MORE CESSNAS FLYING THAN ANY OTHER MAKE
1. INSTALLATION INSTRUCTIONS - DUAL LEAD FLASHER ASSEMBLY.

a. LEAD INSTALLATION FOR SINGLE BEACON.

   NOTE

   Use lead with labeled housing for single beacon installation. If no label exists the lead to use may be determined by one of the following methods.

   (1) Resistance Method.

      (a) Using an ohmmeter take a reading between No. 1 and No. 3 pins.

      (b) Connect plug to lead with the lowest resistance reading.

   (2) Trial Method.

      (a) After installation but while access to leads is still available, connect the plug to one flasher lead. (Be sure circuit is complete).

      (b) Turn on master switch and beacon switch. Determine that beacon is flashing.

      (c) Turn on a switch with at least a 10 amp load.

      (d) If the beacon continues to operate the correct lead is in use.

      (e) If the beacon discontinues operation turn off all switches and connect plug to the other flasher lead. The flasher will not be damaged by this procedure.

b. LEAD INSTALLATION FOR DUAL BEACONS.

   (1) Either lead may be used for either beacon plug.

2. INSTALLATION INSTRUCTIONS - LOCATION CHANGE FOR SERIALS NOTED IN SERVICE LETTER.

a. (REFER TO FIGURE 1.) REMOVING EXISTING FLASHER UNIT.

   (1) Remove upper LH stabilizer fairing from tailcone and access plate from bottom of tailcone.

   (2) Disconnect plug (9) from existing flasher housing.

   (3) Remove existing mounts, washers and nuts securing flasher unit to rib (8). Make sure ground wire is disconnected and remove flasher unit from aircraft.

b. (REFER TO FIGURE 1.) NEW FLASHER UNIT INSTALLATION.

   (1) Position template, figure 1, over LH side of fin skin (2) matching rivet lines (11). Mark and drill 11/64 (.171) holes (3), as shown.

   (2) Position flasher unit (7) on inboard side of skin and secure with screws and washers (4). Connect ground terminal (5) to one screw making sure of good ground contact.

   (3) Connect plug (9) with labeled flasher unit housing (10).

   (4) Secure second housing (10) to aircraft structure.

   (5) Replace stabilizer fairing and access plate removed for installation.
Figure 1. Template - Flasher Unit Installation.