MANUALLY ADJUSTED RESTRAINT ASSEMBLY INSTALLATION — BENCH SEAT

To install a manually adjusted restraint assembly with a push-button release in a bench seat position (airplane position 3 or 4).

FAA approval has been obtained on technical data in this publication that affects airplane type design.

Model .......... 172R and 172S
Weight Change .... Negligible
MATERIAL INFORMATION
The following parts list in this modification kit are required to replace one passenger restraint:

NOTE: For one bench seat, two modification kits are required.

<table>
<thead>
<tr>
<th>NEW P/N</th>
<th>QUANTITY</th>
<th>DESCRIPTION</th>
<th>OLD P/N</th>
<th>DISPOSITION</th>
</tr>
</thead>
<tbody>
<tr>
<td>AN4-15A</td>
<td>1</td>
<td>Bolt</td>
<td>AN3-12A and AN3-4A</td>
<td>None</td>
</tr>
<tr>
<td>NAS1149F0563P</td>
<td>4</td>
<td>Washers</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>MS21044N4</td>
<td>1</td>
<td>Locknut</td>
<td>Same</td>
<td>Discard</td>
</tr>
<tr>
<td>MS21042-4</td>
<td>1</td>
<td>Locknut</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>1214198-3</td>
<td>1</td>
<td>Bushing</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>504851-403-8013</td>
<td>1</td>
<td>Restraint System, Bench</td>
<td>20000031-12-201</td>
<td>Owners Discretion</td>
</tr>
</tbody>
</table>

In addition to the MK 172-25-04 kit, one (1) of the following will be required:

| 172PBC-MK-00 | 1 | Passenger Briefing Card (172R and 172S) | 172RPBC01 | Discard |

ACCOMPLISHMENT INSTRUCTIONS
1. Ensure that all switches are in the OFF position and disconnect electrical power from the airplane by disconnecting the battery and external electrical power. Attach maintenance warning tags to the battery and external power receptacle stating: DO NOT CONNECT ELECTRICAL POWER - MAINTENANCE IN PROGRESS.

2. (Refer to Figure 1, Sheet 1, Sheet 2, and Sheet 3.) Bench seat restraint removal and installation:
   A. Remove the hardware used to secure the existing restraint assembly from the seat. Discard old seat restraint, AN3-12A and AN3-4A bolts, and all locknuts. Retain remaining hardware. (Refer to the Cessna Model 172 Series 1996 And On Maintenance Manual, Chapter 25.)
   B. Install the new 504851-403-8012 Restraint Assembly:
      (1) Install lower seat restraint:
        (a) (Refer to Figure 1, Sheet 2, Detail B.) At location drill one (1) 0.257 inch diameter hole through lower back seat frame as shown.
        (b) (Refer to Figure 1, Sheet 2 Section B-B.) Insert one (1) AN4-15A Bolt through one (1) 1214198-3 Bushing, one (1) NAS1149F0563P Washer, one (1) 504851-403-8013 Seat Restraint, and three (3) NAS1149F0563P Washers at each location.
        (c) (Refer to Figure 1, Sheet 2, Detail B.) Insert hardware through lower seat frame and secure with new MS21042-4 Locknut.
      (2) (Refer to Figure 1, Sheet 3, Detail C.) Install upper side attachment with retained hardware.
      (3) (Refer to Figure 1, Sheet 3, Detail D.) Install buckle bracket with retained hardware. Secure with new MS21044N4 Locknut.
      (4) Check system for security of installation and proper operation.
      (5) Remove and discard existing passenger briefing card. Place the new 172PBC-MK-00 Passenger Briefing Card in the seat pocket.
3. Remove maintenance warning tags and connect the airplane battery.
4. Make an entry in the airplane logbook stating compliance with this Service Bulletin.
NOTE: THIS MODIFICATION KIT REPLACES EITHER REAR PASSENGER BENCH SEAT RESTRAINT AT POSITION (3) OR POSITION (4). TO REPLACE BOTH RESTRAINTS, TWO (2) MODIFICATION KITS ARE REQUIRED.

Figure 1. Bench Seat Manual Adjust Restraint Assembly (Sheet 1)
Figure 1. Bench Seat Manual Adjust Restraint Assembly (Sheet 2)
Figure 1. Bench Seat Manual Adjust Restraint Assembly (Sheet 3)