TITLE

Flap Track Modification

EFFECTIVITY

<table>
<thead>
<tr>
<th>Model</th>
<th>Serial Numbers</th>
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<tbody>
<tr>
<td>172R</td>
<td>17280001 thru 17280068, 17280074 thru 17280158, 17280160 thru 17280233, 17280235 thru 17280241, 17280243, 17280244, 17280246 thru 17280250, 17280252, 17280254 thru 17280256, 17280258 thru 17280261, 17280263 thru 17280280, 17280283, 17280284, 17280286 thru 17280291, 17280293 thru 17280296, 17280298 thru 17280300, 17280302 thru 17280304, 17280306 thru 17280436, 17280438, 17280440 thru 17280453, 17280455, 17280457, 17280458, 17280460 thru 17280487, 17280489 thru 17280605, 17280611, 17280612, 17280635 thru 17280637, 17280641 thru 17280645, 17280649 thru 17280651, 17280654, 17280656 thru 17280658, 17280663, 17280665, 17280668, 17280671, 17280676 thru 17280700, 17280702 thru 17280706, 17280708 thru 17280888</td>
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<tr>
<td>172S</td>
<td>172S8001, 172S8006, 172S8007, 172S8010, 172S8011, 172S8014 thru 172S8451</td>
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DESCRIPTION

This modification kit provides parts and instructions for the modification of the flap tracks.

APPROVAL

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

REFERENCES

SB00-57-02

July 31, 2000
CHANGE IN WEIGHT AND BALANCE

Model .............................................. 172R/S
Weight Change .............................. Negligible

MATERIAL INFORMATION

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<tr>
<th>PART NUMBER</th>
<th>QUANTITY</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>0592001-1</td>
<td>2</td>
<td>Template</td>
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<tr>
<td>MS21044N3</td>
<td>10</td>
<td>Nut</td>
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</table>

ACCOMPLISHMENT INSTRUCTIONS

1. Place Master Switch in the ON position and lower flaps using flap selector switch.
2. Return Master Switch to the OFF position.
4. Disconnect cables to the battery and attach maintenance warning tags to the battery connectors and external power receptacle stating; DO NOT CONNECT ELECTRICAL POWER - MAINTENANCE IN PROGRESS.
5. Remove and retain flaps from airplane. Retain all bolts, washers, rollers, and bushings for reinstallation and discard all locknuts. (Refer to the Model 172 Series 1996 and On Maintenance Manual, Chapter 27 Flap Control System-Maintenance Practices.)
6. (Refer to Figure 1, Sheet 1, Detail A.) Using the rollers removed in step 5, locate one (1) template on each side of the aft flap track. Place the roller assemblies through the 0592001-1 Template holes and the flap track as shown. Place the other template on the roller assemblies on the opposite side of the flap track. It is important to ensure both templates are oriented correctly (regarding forward arrow).
7. Scribe both sides of the track along the lower template contour. Remove templates and rollers.
8. (Refer to Figure 1, Sheet 2, Detail A.) Trim the bottom of the flap track assembly to the scribe line using a rotary file (or equivalent). A minimum distance of 0.20 inch flap track thickness between flap track and edge must be maintained.
10. Repeat for all four (4) aft flap tracks then reinstall flaps using hardware in step 5 using new MS21044N3 Nuts. (Refer to the Model 172 Series 1996 and On Maintenance Manual, Chapter 27 Flap Control System-Maintenance Practices.)
11. Reconnect the airplane battery and remove the maintenance warning tags.
12. Place Master Switch in the ON position and raise the flaps.
14. Return the Master Switch to the OFF position.
16. Make an entry in the airplane logbook stating that this modification kit has been installed.
Figure 1. Flap Track Modification (Sheet 1)
Figure 1. Flap Track Modification (Sheet 2)