TITLE

JACK PAD INSTALLATION

EFFECTIVITY

<table>
<thead>
<tr>
<th>Model</th>
<th>Serial Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>182S</td>
<td>18280001 thru 18280944</td>
</tr>
<tr>
<td>182T</td>
<td>18280945 and On</td>
</tr>
<tr>
<td>T182T</td>
<td>T18208001 and On</td>
</tr>
<tr>
<td>206H</td>
<td>20608001 and On</td>
</tr>
<tr>
<td>T206H</td>
<td>T20608001 and On</td>
</tr>
</tbody>
</table>

DESCRIPTION

This Modification Kit provides parts and instructions for installation of two jack pads.

APPROVAL

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

REFERENCE

SNL05-1R1

CHANGE IN WEIGHT AND BALANCE

<table>
<thead>
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<th>MODEL</th>
<th></th>
<th></th>
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<tbody>
<tr>
<td>182S, 182T, T182T</td>
<td>Negligible</td>
<td>Negligible</td>
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</table>

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Original Issue: January 17, 2005

To obtain satisfactory results, procedures specified in this publication must be accomplished in accordance with accepted methods and prevailing government regulations. Cessna Aircraft Company cannot be responsible for the quality of work performed in accomplishing the requirements of this publication.

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MATERIAL INFORMATION

For model 182S/182T/T182T, the kit listed below is necessary to modify one airplane:

<table>
<thead>
<tr>
<th>NEW P/N</th>
<th>QUANTITY</th>
<th>DESCRIPTION</th>
<th>OLD P/N</th>
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<tbody>
<tr>
<td>MK206-57-02A1</td>
<td>1</td>
<td>Kit, Consisting of the following parts:</td>
<td></td>
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<tr>
<td>AN525-10R10</td>
<td>2</td>
<td>Screw</td>
<td>AN525-10R6</td>
<td>Keep</td>
</tr>
<tr>
<td>AN525-10R11</td>
<td>2</td>
<td>Screw</td>
<td>AN525-10R7</td>
<td>Keep</td>
</tr>
<tr>
<td>0722207-1</td>
<td>2</td>
<td>Jack Pad</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>Instructions</td>
<td></td>
<td></td>
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</tbody>
</table>

For model 206H/T206H, the kit listed below is necessary to modify one airplane:

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<thead>
<tr>
<th>NEW P/N</th>
<th>QUANTITY</th>
<th>DESCRIPTION</th>
<th>OLD P/N</th>
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</tr>
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<td>MK206-57-02A2</td>
<td>1</td>
<td>Kit, Consisting of the following parts:</td>
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<tr>
<td>AN525-10R7</td>
<td>4</td>
<td>Screw</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>AN525-10R12</td>
<td>4</td>
<td>Screw</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>MS20426AD4-7A</td>
<td>4</td>
<td>Rivet</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>MS20426AD3-6A</td>
<td>8</td>
<td>Rivet</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>MS21070L3</td>
<td>4</td>
<td>Nutplate</td>
<td>None</td>
<td>None</td>
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<tr>
<td>1200026-1</td>
<td>2</td>
<td>Jack Pad</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>1200026-4</td>
<td>2</td>
<td>Nylon Spacer</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>Instructions</td>
<td></td>
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ACCOMPLISHMENT INSTRUCTIONS

Instructions

1. Electrically ground the airplane and turn all switches to the "OFF" position.

2. Disconnect electrical power from the airplane by disconnecting the battery and external power. (Refer to the Maintenance Manual, Chapter 24, Electrical Power.)

3. Attach maintenance warning tags to the battery and external power receptacle stating: DO NOT CONNECT ELECTRICAL POWER - MAINTENANCE IN PROGRESS.


4. (Model 182S/182T/T182T) (Refer to Figure 2, Detail A, Sheets 1 and 2.) Install the 0722207-1 Jack Pad to each wing as follows:
   A. Remove and keep the AN525-10R6 Screw and the AN525-10R7 Screw immediately outboard of the wing strut upper fairing at WS 100.00.
   B. Remove and keep the screws on the strut upper fairing. Move the fairing down the strut and away from the wing as necessary.
   C. Make the screw holes in the 0722207-1 Jack Pad larger as necessary to align the screw holes in the jack pad with the screw holes in the wing skin.
   D. With the AN525-10R10 Screw in the forward hole and the AN525-10R11 Screw in the aft hole, install the 0722207-1 Jack Pad.
E. Remove the jack pads, identify them with the airplane serial number, and store the 0722207-1 Jack Pad, AN525-10R10 Screw, and AN525-10R11 Screw to use as necessary.

F. Install the AN525-10R6 Screw and the AN525-10R7 Screw in the wing jack pad nutplates and tighten.

**NOTE:** The AN525-10R6 Screw and the AN525-10R7 Screw will stay in the wing nutplates while the jack pads are not installed on the airplane. Go to Step 6.

5. (Model 206H/T206H) Install the 1200026-1 Jack Pad to each wing as follows:

A. (Refer to Figure 1, Detail A and B.) Remove and keep the screws on the strut upper fairing, and move the fairing down the strut and away from the wing.

B. (Refer to Figure 1, Detail A and B.) Remove and keep access panels and attach screws found on the lower surface of the wing forward and aft of the wing strut attachment. (Refer to the Maintenance Manual, Chapter 6, Dimensions and Areas.)

C. (Refer to Figure 1, Detail E.) Put the 1200026-1 Jack Pad against the bottom of the wing with the jack pad boss in position under the forward spar.

**NOTE:** There are three pilot holes drilled in the forward end of each jack pad.

D. (Refer to Figure 1, Detail D and E.) Select the forward pilot hole in the jack pad that aligns best with a rivet installed in the leading edge wing skin and rib at Wing Station 99.62.

E. Put a mark on the rivet and jack pad hole that you will use for the forward nutplate installation.

**CAUTION:** USE A DRILL STOP SET AT A MAXIMUM OF 0.250-INCH DEPTH TO PREVENT DAMAGE TO THE INTERNAL WING STRUCTURE.

F. (Refer to Figure 1, Detail C.) Drill and remove the wing leading edge rivet (the rivet with the mark that you made in Step 5E) with a Number 30 (0.128-inch diameter) drill.

(1) Increase the rivet hole with a Number 10 (0.193-inch diameter) drill and deburr the hole.

(2) Make sure that there is a minimum of 2D edge distance to all parts for the 0.193-inch diameter hole.

G. (Refer to Figure 1, Detail C.) Install one MS21070L3 Nutplate on the inner surface of the wing rib above the Number 10 (0.193-inch diameter) hole drilled in Step 5F.

(1) Attach the nutplate to the inner surface of the wing with two MS20426AD3-6A Rivets.

(2) Make sure that there is a minimum of a 0.19-inch edge margin from the rib flange for each rivet that is installed.

H. Drill a Number 10 (0.193-inch diameter) hole through the forward jack pad pilot hole selected in Step 5D.

I. (Refer to Figure 1, Detail D.) Install one AN525-10R12 Screw through the selected forward hole of the jack pad mount and loosely thread it into the MS21070L3 Nutplate.

J. (Refer to Figure 1, Detail E.) Make a mark on the rivet along wing station WS 99.62 aft of the jack pad boss to install a MS21070L3 Nutplate on the inner surface of the wing to fasten the aft end of the jack pad with a screw.

**CAUTION:** USE A DRILL STOP SET AT A MAXIMUM OF 0.250-INCH DEPTH TO PREVENT DAMAGE TO THE INTERNAL WING STRUCTURE.

K. (Refer to Figure 1, Detail E.) Drill and remove the wing rivet that you marked in Step 5J with a Number 21 (0.159-inch diameter) drill.

(1) Increase the rivet hole with a Number 10 (0.193-inch diameter) drill and deburr the hole.

(2) Make sure that there is a minimum of 2D edge distance to all parts for the 0.193-inch diameter hole.
L. Install one MS21070L3 Nutplate on the inner surface of the wing rib above the Number 10 (0.193-inch diameter) hole drilled in Step 5K.

1. Attach the MS21070L3 Nutplate to the inner surface of the wing with two MS20426AD3-6A Rivets.

2. Make sure that there is a minimum of a 0.19-inch edge distance from the rib flange for each rivet installed.

M. Match drill a Number 10 (0.193-inch diameter) hole through the jack pad aft of the boss that aligns with the MS21070L3 Nutplate installed in Step 5L.

N. Install the 1200026-4 Nylon Spacer to the jack pad with two MS20426AD4-7A Rivets.

NOTE: The 1200026-4 Nylon Spacer is made to align with the jack pad and has pilot holes drilled to match the jack pad pilot holes.

NOTE: The nylon surface of the jack pad will completely mate to the wing skin surface when it is installed to the jack pad.

1. Use a Number 30 (0.128-inch diameter) drill to enlarge the forward pilot hole not used as a mount screw hole. Drill through the jack pad and nylon spacer where you will install the MS20426AD4-7A Rivet.

2. Use a Number 30 (0.128-inch diameter) drill to put a new aft hole in the jack pad and nylon spacer where you will install the MS20426AD4-7A Rivet. The new aft jack pad hole must be centered between the boss and the aft mount screw hole.

3. Use a 100° countersink in the two rivet holes drilled in the nylon spacer. The MS20426AD4-7A Rivet head must be below the surface of the spacer material.

4. Install the nylon spacer material to each jack pad with two MS20426AD4-7A Rivets.

5. Use a 0.375-inch diameter drill as necessary to remove material from the nylon spacer where the rivet heads in the wing skin touch the 1200026-4 Nylon Spacer. The spacer must fit the wing skin so the rivet heads do not cause interference between the jack pad and the wing skin.

O. Install AN525-10R12 Screws through the forward and aft jack pad holes and into the MS21070L3 Nutplates installed in the right wing.

P. Remove and store the jack pads and nylon spacers to use as necessary.

Q. Install the AN525-10R7 Screws in the wing jack pad nutplates and tighten.

NOTE: The jack pad screws will stay in the wing nutplates while the jack pads are not installed on the airplane.

R. Install the access plates and the upper strut fairings with the kept hardware.

6. Remove the maintenance warning tags from battery and the external power receptacle.

7. Connect the battery. (Refer to the Maintenance Manual, Chapter 24, Electrical Power.)

8. Make an entry in the airplane logbook that states the installation of this modification kit.
Figure 1. Model 206 Jack Pad Installation (Sheet 2)
Figure 1. Model 206 Jack Pad Installation (Sheet 3)

**DETAIL C**
Forward Nutplate Installation
Looking Up at Left Wing
Strut Upper End
NOTE 1: Install the Jack Pads with the Boss under the Forward Spar.

Figure 1. Model 206 Jack Pad Installation (Sheet 4)
NOTE 2: The Jack Pad must be installed with the Boss over the intersection of the Forward Spar and the Wing Rib.

NOTE 3: Use a 0.375-inch diameter drill to remove material from the 1200026–4 Nylon Spacer where the rivet heads in the wing skin touch the Nylon Spacer.

NOTE 4: Drill 0.128-inch diameter rivet holes and attach the Nylon Spacers to the Jack Pads with MS20426AD4–7A rivets.

Figure 1. Model 206 Jack Pad Installation (Sheet 5)
Figure 2. Model 182 Jack Pad Installation (Sheet 1)

Detail A
View Looking Inboard at Right Wing Before
Jack Pad Installation
NOTE 1: Install jack pads with the boss under the forward spar.

NOTE 2: When you install the 0722207-1 Jack Pad, you can remove the upper strut fairing as necessary to prevent damage to the upper strut fairing.

AN525-10R11 Screw (2 Required)
Jack Pad Boss (Reference)
0722207-1 Jack Pad (2 Required) (NOTE 1)
AN525-10R10 Screw (2 Required) (NOTE 2)

DETAIL A
View Looking Inboard at Right Wing After Jack Pad Installation

Figure 2. Model 182 Jack Pad Installation (Sheet 2)