Single Engine

Service Bulletin

June 28, 2004

TITLE
SECURITY LOCK INSTALLATION

EFFECTIVITY

<table>
<thead>
<tr>
<th>Model</th>
<th>Serial Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>172R</td>
<td>17280001 and On</td>
</tr>
<tr>
<td>172S</td>
<td>172S8001 and On</td>
</tr>
<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>

REASON

To announce the availability of security locks that may be installed on Model 172R, 172S, 182S, 182T, T182T, 206H and T206H airplanes.

DESCRIPTION

The locks are designed to provide added protection against theft and vandalism when installed on the pilot's door, aft baggage door and cargo doors as applicable.

COMPLIANCE

Optional: may be accomplished if desired.

APPROVAL

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

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.

Cessna Aircraft Company, Product Support, P.O. Box 7706, Wichita, Kansas 67277, U.S.A. (316) 517-5800, Facsimile (316) 942-9006

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MANPOWER

Approximately 2.3 man-hours per airplane to install MK172-52-01-1
Approximately 1.7 man-hours per airplane to install MK172-52-01-2
Approximately 1.7 man-hours per airplane to install MK172-52-01-3

REFERENCES


NOTE: Make sure all publications used are complete and current.

NOTE: This information shall be considered an amendment to the Cessna Manufacturer's Service/Maintenance Manual.

OTHER PUBLICATIONS AFFECTED

Model 172R and Model 172S Illustrated Parts Catalog
Model 182S/182T/T182T Illustrated Parts Catalog
Model 206H & Model T206H Illustrated Parts Catalog

NOTE: Make sure all publications used are complete and current.

MATERIAL PRICE AND AVAILABILITY

The parts below are available from Cessna Parts Distribution through an appropriate Cessna Service Station for the suggested list price shown.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Qty/Airplane</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>MK172-52-01-1</td>
<td>Pilot's Door And Baggage Door Security Lock Installation Kit (Model 172 and 182)</td>
<td>1</td>
<td>$ 414.00 (A) ea</td>
</tr>
<tr>
<td>MK172-52-01-2</td>
<td>Pilot's Door And Cargo Door Security Lock Installation Kit (20608001 thru 20608208 and T20608001 thru T20608438)</td>
<td>1</td>
<td>$ 414.00 (A) ea</td>
</tr>
<tr>
<td>MK172-52-01-3</td>
<td>Pilot's Door Security Lock Installation Kit (20608209 and On and T20608439 and On)</td>
<td>1</td>
<td>$ 207.00 (A) ea</td>
</tr>
</tbody>
</table>

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE
CREDIT INFORMATION

Not applicable

ACCOMPLISHMENT INSTRUCTIONS

Modification Kit MK172-52-01: Security Lock Installation instructions are attached.

OWNER NOTIFICATION

On July 12, 2004 the following message will be sent to applicable owners of record in SB04-52-01A.

Dear Cessna Owner:

This Owner Advisory is to inform you that SB04-52-01 has been issued to announce the availability of security locks that may be installed on your airplane. The locks are designed to provide added protection against theft and vandalism when installed on the pilot's door, aft baggage door and cargo doors as applicable.

Compliance is optional; may be accomplished if desired.

The information contained in the referenced Cessna Service Bulletin shall be considered an amendment to the Cessna Manufacturer's Service/Maintenance Manual.

Please contact a Cessna Single Engine Service Station for detailed information and arrange to have Cessna Service Bulletin SB04-52-01 accomplished on your airplane.

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<td>206H</td>
<td>20608001 and On</td>
</tr>
<tr>
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<td>T20608001 and On</td>
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</tbody>
</table>

DESCRIPTION
This modification kit provides parts and instructions to install security locks.

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

REFERENCE
SB04-52-01

June 28, 2004
CHANGE IN WEIGHT AND BALANCE

Model ............... 172R/172S 182S/182/T182T 206H/T206H
Weight Change ...... Negligible Negligible Negligible

MATERIAL INFORMATION

The parts below are necessary to install the cabin door lock and baggage door lock on the Model 172 and Model 182:

<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>MK172-52-01-1</td>
<td>1</td>
<td>Kit, consisting of the following parts:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ASC182-2</td>
<td>1</td>
<td>Lock Assemblies</td>
<td>C253001-0102 and C253001-0101</td>
<td>Discard</td>
</tr>
<tr>
<td>MS24665-132</td>
<td>1</td>
<td>Cotter Pin</td>
<td>MS24665-132</td>
<td>Discard</td>
</tr>
<tr>
<td>NAS1149FN416P</td>
<td>1</td>
<td>Washer</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>MK172-52-01</td>
<td>1</td>
<td>Instructions</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The parts below are necessary to install the cabin door lock and cargo door lock on the Model 206 serial numbers 20608001 thru 20608208 and T20608001 thru T20608438:

<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>MK172-52-01-2</td>
<td>1</td>
<td>Kit, consisting of the following parts:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ASC206-2</td>
<td>1</td>
<td>Lock Assemblies</td>
<td>C253001-0101 and C253001-0102</td>
<td>Discard</td>
</tr>
<tr>
<td>MS24665-132</td>
<td>1</td>
<td>Cotter Pin</td>
<td>MS24665-132</td>
<td>Discard</td>
</tr>
<tr>
<td>NAS1149FN416P</td>
<td>1</td>
<td>Washer</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>MK172-52-01</td>
<td>1</td>
<td>Instructions</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The parts below are necessary to install the cabin door lock on the Model 206 serial numbers 20608209 and On and T20608439 and On:

<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>MK172-52-01-3</td>
<td>1</td>
<td>Kit, consisting of the following parts:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ASL210C</td>
<td>1</td>
<td>Lock Assembly</td>
<td>C253001-0101</td>
<td>Discard</td>
</tr>
<tr>
<td>MS24665-132</td>
<td>1</td>
<td>Cotter Pin</td>
<td>MS24665-132</td>
<td>Discard</td>
</tr>
<tr>
<td>NAS1149FN416P</td>
<td>1</td>
<td>Washer</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>MK172-52-01</td>
<td>1</td>
<td>Instructions</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
ACCOMPLISHMENT INSTRUCTIONS

1. Electrically ground the airplane and turn all switches to the "OFF" position. If external power is connected to the airplane, disconnect external power from receptacle.

2. Disconnect the airplane battery. (Refer to the applicable Maintenance Manual, Chapter 24, Electrical Power.)

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

   **NOTE:** The ASC182-2 part number is for the Models 172 and 182 containing one ASL210C Lock with one key for the pilot's door, and one AS210PB Lock with one key for the baggage door. Both of these locks are keyed alike.

   **NOTE:** The ASC206-2 part number is for the Model 206 serial numbers 20608001 thru 20608208 and 20608001 thru 20608438 and contains one ASL210C Lock with one key for the pilot's door, and one ASE210C Lock with one key for the cargo door. Both of these locks are keyed alike.

4. (Model 172, 182 and 206 airplanes refer to Figure 1, Sheets 1 and 2.) Install the pilot's door ASL210C Lock Assembly.
   
   A. Remove and keep the pilot's door interior trim, structural components and hardware as necessary to get to the key lock assembly. (Refer to the applicable Model Maintenance Manual, Chapter 25, Upholstery - Maintenance Practices.)
   
   B. Disconnect the door handle/lock linkage as necessary and keep the linkage hardware. (Refer to the applicable Model Maintenance Manual, Chapter 52, Cabin Doors - Maintenance Practices.)
   
   C. Remove the lock assembly installed in the pilot's door and discard the lock and the lock hardware.  
   
   **NOTE:** Keep the key for use in the ignition switch.

   D. (Refer to Figure 1, Sheet 3, Detail C.) Remove the aft flat area material of the door lock cutout hole in the cabin door skin.

   E. (Refer to Figure 1, Sheet 2, Detail A and View A-A, and Sheet 3, Detail D.) Install the ASL210C Lock Assembly with the anti-rotation washer installed under the 0.75 inch hex nut.

   F. Turn the key in the lock to make sure it operates correctly with a 90° rotation.

   G. (Refer to Figure 1, Sheet 3, Detail D.) Tighten the 0.75 inch hex nut and bend the applicable tab against the flat of the nut to make sure the nut does not rotate.

   H. (Refer to Figure 1, Sheet 3, Detail D.) Install the door handle/lock linkage with the kept hardware, a new MS24665-132 Cotter Pin and nylon spacer. (Refer to the applicable Model Maintenance Manual, Chapter 52, Cabin Doors - Maintenance Practices.)

   I. Turn the key in the lock to make sure it operates correctly. Operate the door handle and door to make sure the mechanism works smoothly.

   J. Install the pilot's door interior trim, structural components and hardware with the kept hardware as necessary. (Refer to the applicable Model Maintenance Manual, Chapter 52, Cabin Doors - Maintenance Practices.)

5. (Model 172 and 182 airplanes refer to Figure 1, Sheets 1, 4 and 5.) Install the baggage door AS210PB Lock Assembly.

   A. Remove and keep the baggage door interior trim, structural components and hardware as necessary to get to the key lock assembly. (Refer to the applicable Model Maintenance Manual, Chapter 52, Baggage Doors - Maintenance Practices.)

   B. (Refer to Figure 1, Sheet 4 and Sheet 5.) Remove the lock assembly installed in the baggage door and discard the lock and the lock hardware.

   C. (Refer to Figure 1, Sheet 5, Detail F.) Remove the lower flat area material of the door lock cutout mount hole in the cabin door skin.

MK172-52-01
D. (Refer to Figure 1, Sheet 4 and Sheet 5.) Install the AS210PB Lock Assembly with the anti-rotation washer installed under the 0.75 inch hex nut.

E. Turn the key in the lock to make sure it operates correctly with a 90° rotation. Operate the baggage door to make sure it opens and closes smoothly.

F. Tighten the 0.75 inch hex nut and bend the applicable tab against the flat of the nut to make sure the nut does not rotate.

G. Install the baggage door interior trim, structural components and hardware with the kept hardware as necessary. (Refer to the applicable Model Maintenance Manual, Chapter 52, Baggage Doors - Maintenance Practices.)

6. (Model 206 airplanes refer to Figure 1, Sheets 1 and 6.) Install the cargo door ASE210C Lock Assembly.

A. Remove and keep the cargo door interior trim, structural components and hardware as necessary to get to the key lock assembly. (Refer to the applicable Model Maintenance Manual, Chapter 52, Cargo Doors - Maintenance Practices.)

B. (Refer to Figure 1, Sheet 6.) Remove the lock assembly installed in the cargo door and discard the lock and the lock hardware.

C. (Refer to Figure 1, Sheet 7, Detail l.) Remove the forward flat area material of the door lock cutout mount hole in the cargo door skin.

D. (Refer to Figure 1, Sheet 6 and Sheet 7.) Install the ASE210C Lock Assembly with the anti-rotation washer installed under the 0.75 inch hex nut.

**NOTE:** It may be necessary to remove some material from the inside structure of the door to allow proper clearance of the lock assembly during operation.

E. Tighten the 0.75 inch hex nut and bend the applicable tab against the flat of the nut to make sure the nut does not rotate and interfere with the operation of the lock assembly.

F. Turn the key in the lock to make sure it operates correctly with a 90° rotation. Operate the cargo door to make sure it opens and closes smoothly.

G. Install the cargo door interior trim, structural components and hardware with the kept hardware as necessary. (Refer to the applicable Model Maintenance Manual, Chapter 52, Cargo Doors - Maintenance Practices.)

7. Remove maintenance warning tags from battery and external power receptacle.

8. Reconnect the airplane battery. (Refer to the applicable Maintenance Manual, Chapter 24, Electrical Power.)

9. Make an entry in the airplane logbook stating that this modification kit has been installed.
Figure 1. Security Lock Installation (Sheet 1)
COTTER PIN
(REFERENCE)
NAS1149FN416P
WASHER
(1 EACH REQUIRED)

VIEW A-A
(View Looking Down)

BEND TABS TO AVOID
INTERFERENCE WITH
LATCH HOUSING

DETAIL A
(View Looking Inboard)

Figure 1. Security Lock Installation (Sheet 2)
DETAIL C
LOCK ASSEMBLY AND LINKAGE NOT SHOWN
(VIEW LOOKING INBOARD)

DETAIL D
ASL210C LOCK ASSEMBLY PARTS
(VIEW LOOKING DOWN)

Figure 1. Security Lock Installation (Sheet 3)
Figure 1. Security Lock Installation (Sheet 4)
DETAIL F
LOCK ASSEMBLY AND LINKAGE NOT SHOWN
(VIEW LOOKING INBOARD)

DETAIL E
AS210PB LOCK ASSEMBLY PARTS
(VIEW LOOKING DOWN)

Figure 1. Security Lock Installation (Sheet 5)
ASE210C
LOCK
ASSEMBLY
(1 REQUIRED)

H

↑
INBD
FWD
VIEW C-C
LOOKING DOWN

UP
FWD
DETAIL G
206 CARGO DOORS

Figure 1. Security Lock Installation (Sheet 6)
Figure 1. Security Lock Installation (Sheet 7)