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## Service Bulletin

April 23, 2007

SB07-25-04

### TITLE

SEAT BASE/BACK ATTACH FITTING MODIFICATION

### EFFECTIVITY

Model	Serial Numbers
172R	17281211 thru 17281356
172S	172S9621 thru 172S10310, 172S10312 thru 172S10324, 172S10327 thru 172S10332, 172S10334 thru 172S10349, 172S10351 thru 172S10374, 172S10376 thru 172S10386, 172S10388 thru 172S10408, 172S10410 thru 172S10412, 172S10414 thru 172S10417, 172S10421 thru 172S10423
182T	18281328 thru 18281867, 18281869 thru 18281871, 18281873 thru 18281875, 18281877
T182T	T18208240 thru T18208651, T18208654, T18208656 thru T18208659, T18208663, T18208664, T18208667 thru T18208668
206H	20608216 thru 20608283
T206H	T20608445 thru T20608662, T20608664 thru T20608671, T20608673 thru T20608674, T20608676 thru T20608681, T20608683 thru T20608689, T20608691 thru T20608692, T20608694 thru T20608696, T20608699 thru T20608701, T20608703 thru T20608704

### REASON

Reports have been received of the seat base/back attach bracket failing where it is welded to the seat base.

### DESCRIPTION

To announce a Modification Kit for modifying the seat base/back attach brackets for the crew seats on airplane models 172, 182 and 206, and seats 3 and 4 on the 206. Non-compliance with this Service Bulletin could allow an undetected crack to exist that may result in a seat base/back attach bracket to break off from the seat base.

## 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.

<u>Part Number</u>	<u>Description</u>	<u>Qty/Airplane</u>	<u>Price</u>
MK206-25-10-1	Seat Base/Back Attach Fitting Modification Kit (Models 172 and 182)	1	\$ 435.00 (N) ea
MK206-25-10-2	Seat Base/Back Attach Fitting Modification Kit (Model 206)	1	\$ 868.00 (N) ea
U000787S	Adhesive EC1300LP (1 pint)	(as required)	\$ 26.70 (VR) ea
K000912	Primer (1.5 gal kit)	(as required)	\$ 339.00 (VS) ea

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE

## CREDIT INFORMATION

For models 172 and 182: Applicable Modification Kit parts credit and a miscellaneous parts credit of \$6.52 and a labor allowance credit of 4.8 man-hours will be provided to modify the crew seats base/back attach brackets as described in this Service Bulletin.

For airplane model 206: Applicable Modification Kit parts credit and a miscellaneous parts credit of \$13.04 and a labor allowance credit of 9.1 man-hours will be provided to modify the crew and passenger 3 and 4 seats base/back attach brackets as described in this Service Bulletin.

Freight will be credited at the most economical method unless pre-approved by Cessna. For pre-approval contact Cessna Parts Distribution Warranty Administration at Telephone: 316-831-4296, Fax: 316-206-2746 or E-mail: [cpd2claims@cessna.textron.com](mailto:cpd2claims@cessna.textron.com).

To receive credit, the work must be completed and a Warranty Claim submitted by a Cessna Single Engine Service Station within 30 calendar days of Service Bulletin compliance before the credit expiration dates shown below.

Domestic	April 23, 2008
International	April 23, 2008

## ACCOMPLISHMENT INSTRUCTIONS

Modification Kit MK206-25-10: Seat Base/Back Attach Fitting Modification instructions are attached.

**TITLE**

SEAT BASE/BACK ATTACH FITTING MODIFICATION

**EFFECTIVITY**

<b>Model</b>	<b>Serial Numbers</b>
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172S	172S9621 thru 172S10310, 172S10312 thru 172S10324, 172S10327 thru 172S10332, 172S10334 thru 172S10349, 172S10351 thru 172S10374, 172S10376 thru 172S10386, 172S10388 thru 172S10408, 172S10410 thru 172S10412, 172S10414 thru 172S10417, 172S10421 thru 172S10423
182T	18281328 thru 18281867, 18281869 thru 18281871, 18281873 thru 18281875, 18281877
T182T	T18208240 thru T18208651, T18208654, T18208656 thru T18208659, T18208663, T18208664, T18208667 thru T18208668
206H	20608216 thru 20608283
T206H	T20608445 thru T20608662, T20608664 thru T20608671, T20608673 thru T20608674, T20608676 thru T20608681, T20608683 thru T20608689, T20608691 thru T20608692, T20608694 thru T20608696, T20608699 thru T20608701, T20608703 thru T20608704

**DESCRIPTION**

This modification kit provides instructions and parts to modify the seat base/back attach brackets for the crew seats on 172 and 182 model airplanes, and the crew seats and seats 3 and 4 on 206 model airplanes.

**APPROVAL**

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

**REFERENCE**

SB07-25-04

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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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S2230-1	12	Rivet	Same	Discard
0790014-2	4	Plug (right side of seat)		
0790014-3	4	Plug (left side of seat)		
	1	Instructions		

The material that follows, or equivalent, is necessary:

NAME	NUMBER	MANUFACTURER	USE
EC1300LP Adhesive	U000787S (1 Pint)	Cessna Aircraft Company Cessna Parts Distribution 5800 East Pawnee PO Box 1521 Wichita, KS 67218	To attach seat cover to base frame.
Corrosion Resistant Primer (1.5 gal kit)	K000912	Cessna Aircraft Company Cessna Parts Distribution 5800 East Pawnee PO Box 1521 Wichita, KS 67218	To apply to the seat base frame.

## ACCOMPLISHMENT INSTRUCTIONS

### Instructions

1. Prepare the airplane for maintenance.
  - A. Make sure that all switches are in the OFF/NORM position.
  - B. Disconnect electrical power from the airplane.
    - (1) Disconnect the airplane battery.
    - (2) Disconnect external electrical power.
  - C. Attach maintenance warning tags to the battery and external power receptacle that have "DO NOT CONNECT ELECTRICAL POWER - MAINTENANCE IN PROGRESS" written on them.

**WARNING:** FOLLOW ALL SAFETY PRECAUTIONS WHEN YOU WORK ON OR NEAR THE INFLATABLE RESTRAINT SYSTEM. THE INFLATOR ASSEMBLY IS A STORED, GAS/ENERGETIC MATERIAL DEVICE AND CAN CAUSE DAMAGE TO THE SYSTEM AND/OR INJURY TO PERSONNEL IF ACCIDENTALLY DEPLOYED.

2. Disarm the AMSAFE inflatable restraint systems, if installed. (Refer to the applicable maintenance manual, Chapter 25, Inflatable Restraint System - Maintenance Practices.)

**WARNING:** MAKE SURE THAT WHEN YOU REMOVE ATTACHING HARDWARE, YOU RECORD AND REMEMBER THE SEQUENCE OF INSTALLATION OF THE ATTACHING HARDWARE. IF YOU INSTALL THE ATTACHING HARDWARE IN AN INCORRECT SEQUENCE, IT IS POSSIBLE THAT THE CREW SEAT RESTRAINTS WILL NOT WORK CORRECTLY.

3. Disconnect the crew seat restraints from the crew seats (and seats 3 and 4 for 206 airplanes). (Refer to the applicable maintenance manual, Chapter 25, Flight Compartment and Inflatable Restraint System - Maintenance Practices.)
4. Remove the crew seats (and seats 3 and 4 for 206 airplanes) from the airplane. (Refer to the applicable maintenance manual, Chapter 25, Flight Compartment - Maintenance Practices.)

- E. Torque the MS21042-3 Nuts to 25 inch-pounds. (Refer to the applicable maintenance manual, Chapter 20, Torque Data - Maintenance Practices.)
- 10. Attach the left and the right side skirts as necessary with S2230-1 Rivets. Do not install an S2230-1 Rivet for the side skirt in the aft rivet hole where the left 0790014-3 (0790014-2 right) Plug is installed.
- 11. Attach the seat covering material that you removed for access to the seat base frame with EC1300LP adhesive.
- 12. Temporarily install the seat back frame to the seat base frame with the kept hardware.
- 13. Install the seats in the airplane. (Refer to the applicable maintenance manual, Chapter 25, Flight Compartment - Maintenance Practices.)

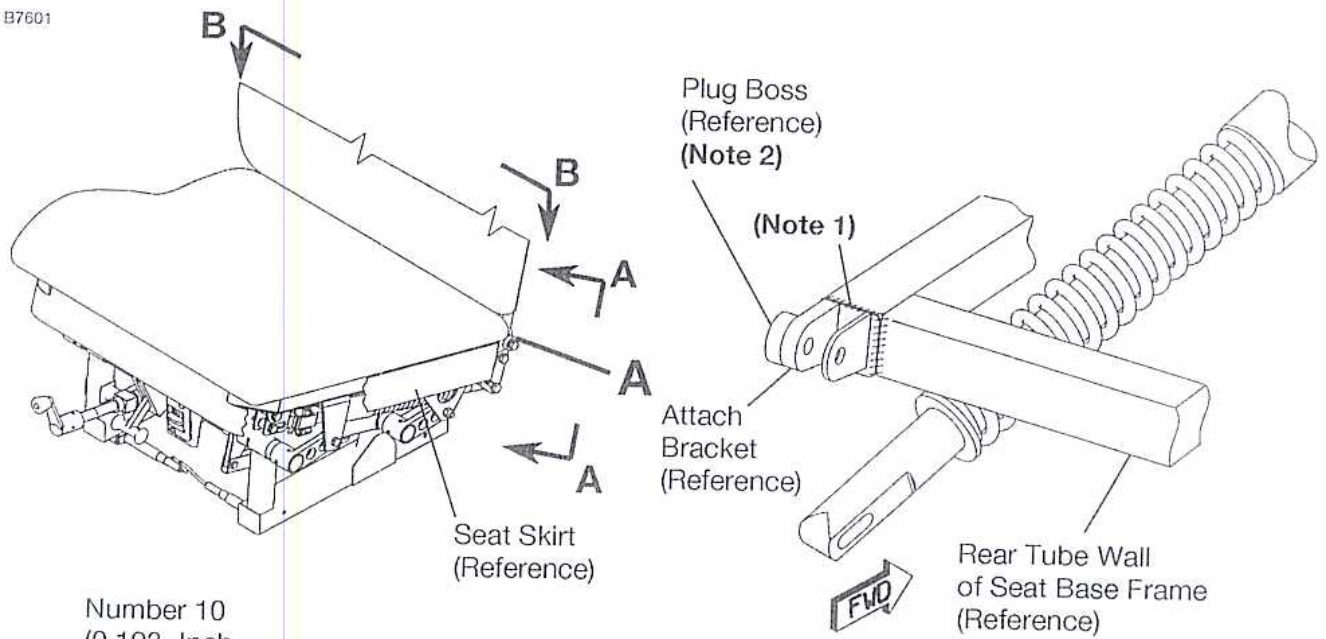
**WARNING: MAKE SURE THAT WHEN YOU INSTALL ATTACHING HARDWARE, YOU INSTALL IT IN THE CORRECT SEQUENCE. IF YOU INSTALL THE ATTACHING HARDWARE IN AN INCORRECT SEQUENCE, IT IS POSSIBLE THAT THE CREW SEAT RESTRAINTS WILL NOT WORK CORRECTLY, AND THIS CAN CAUSE INJURY TO PASSENGERS.**

- 14. (Refer to Figure 2, View B-B.) On the two sides of each of the crew seats (and seats 3 and 4 for 206 airplanes), install the seat back frame and the seat belt to the seat base frame as follows: (Refer to the applicable maintenance manual, Chapter 25.)
  - A. On the left side of each of the crew seats (and seats 3 and 4 for 206 airplanes), install the seat back frame and the seat belt to the seat base frame with the new AN4-17A Bolt, new MS21042-4 Nut, and the kept attaching hardware.
  - B. On the right side of each of the crew seats (and seats 3 and 4 for 206 airplanes), install the seat back frame and the seat belt to the seat base frame with the kept attaching hardware and the new MS21044N4 Nut.
- 15. Connect the wire connector for the crew seat restraints to the crew seats (and seats 3 and 4 for 206 airplanes). (Refer to the applicable maintenance manual, Chapter 25, Flight Compartment and Inflatable Restraint System - Maintenance Practices.)
- 16. Operate the seat back from the fully vertical position to the recline position. Make sure that the seat operates correctly without binding.

**WARNING: FOLLOW ALL SAFETY PRECAUTIONS WHEN YOU WORK ON OR NEAR THE INFLATABLE RESTRAINT SYSTEM. THE INFLATOR ASSEMBLY IS A STORED, GAS/ENERGETIC MATERIAL DEVICE AND CAN CAUSE DAMAGE TO THE SYSTEM AND/OR INJURY TO PERSONNEL IF ACCIDENTALLY DEPLOYED.**

- 17. Arm the AMSAFE inflatable restraint systems, if installed. (Refer to the applicable maintenance manual, Chapter 25, Inflatable Restraint System - Maintenance Practices.)
- 18. For airplanes with the AMSAFE inflatable restraint system, do an operational check of the seat belt system. (Refer to the AMSAFE Supplemental Maintenance Manual, part number E508804.)
- 19. Remove maintenance warning tags from battery and external power receptacle and connect the battery.
- 20. Make an entry in the airplane logbook that states installation of this modification kit.

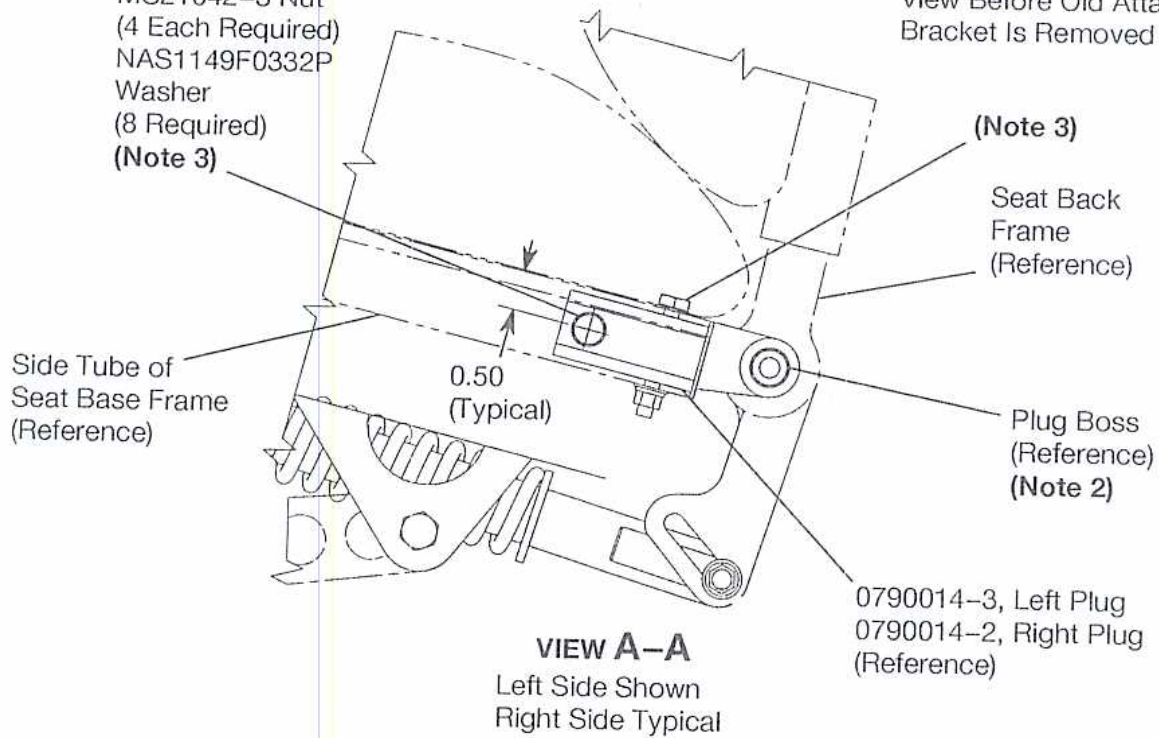
B7601



Number 10  
(0.193-Inch  
Diameter) Hole  
AN3-13A Bolt  
MS21042-3 Nut  
(4 Each Required)  
NAS1149F0332P  
Washer  
(8 Required)  
(Note 3)

**DETAIL A**

View Before Old Attach  
Bracket Is Removed



**VIEW A-A**

Left Side Shown  
Right Side Typical

- NOTE 1:** Cut off attach bracket and file remaining end until smooth and flush with rear tube wall.
- NOTE 2:** Make sure that the boss of the left 0790014-3 (0790014-2, right) Plug points away from the crew seat.
- NOTE 3:** Install the NAS1149F0332P Washers with one washer next to the bolt head and one washer next to the nut.

Figure 2. Modification of the Seat Base/Back Attach Fittings (Sheet 1)

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