

**TITLE**

FLIGHT CONTROLS - ELEVATOR TRIM STOP BLOCK RELOCATION

**EFFECTIVITY**

MODEL	SERIAL NUMBERS
206H	20608001 thru 20608319
T206H	T20608001 thru T20608953

The equivalent of this service document has been incorporated on production airplanes T20608954 and On.

**REASON**

To improve clearance between the elevator trim stop blocks and the elevator control cables.

**DESCRIPTION**

This service document provides instructions to move the position and orientation of the stop blocks. This will provide additional clearance from the cable turnbuckle.

**NOTE:** Airplanes that have previously completed SB09-27-02 - Elevator Trim Stops Inspection or SB10-27-01 - Elevator Trim Stops Relocation, it is advisable to complete this service document because the stop block position and orientation are updated in this service document.

**COMPLIANCE**

RECOMMENDED. This service document should be accomplished at the next 100-hour or 12-month (annual-type) inspection.

A service document published by Textron Aviation may be recorded as *completed* in an aircraft log only when the following requirements are satisfied:

- 1) The mechanic must complete all of the instructions in the service document, including the intent therein.
- 2) The mechanic must correctly use and install all applicable parts supplied with the service document kit. Only with written authorization from Textron Aviation can substitute parts or rebuilt parts be used to replace new parts.
- 3) The mechanic or airplane owner must use the technical data in the service document only as approved and published.
- 4) The mechanic or airplane owner must apply the information in the service document only to aircraft serial numbers identified in the *Effectivity* section of the document.
- 5) The mechanic or airplane owner must use maintenance practices that are identified as acceptable standard practices in the aviation industry and governmental regulations.

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Textron Aviation is not responsible for the quality of maintenance performed to comply with this document, unless the maintenance is accomplished at a Textron Aviation-owned Service Center.

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**APPROVAL**

Textron Aviation received FAA approval for the technical data in this publication that changes the airplane type design.

**FLIGHT CREW OPERATIONS**

No Changes

**CONSUMABLE MATERIAL**

You must use the consumable materials that follow, or their equivalent, to complete this service document.

NAME	NUMBER	MANUFACTURER	USE
Adhesive	U064070 (Loctite 495) 1.0 oz.	Textron Aviation Parts Distribution 7121 Southwest Boulevard Wichita, KS 67215	Quick curing to hold bushing in stop block.
Isopropyl Alcohol		Commercially Available	To clean stop blocks and bushings prior to adhesive application.

**TOOLING**

NAME	NUMBER	MANUFACTURER	USE
Inclinometer	KS5549	Kell-Strom Tool Inc 214 Church Street Wethersfield, CT 06109	To measure angle of control surface deflection.

**WEIGHT AND BALANCE INFORMATION**

Negligible

**REFERENCES**

Cessna Model 206H/T206H Maintenance Manual

**NOTE:** To make sure all publications used are complete and current. Refer to [www.txtavsupport.com](http://www.txtavsupport.com).

**PUBLICATIONS AFFECTED**

Cessna Model 206H/T206H Maintenance Manual

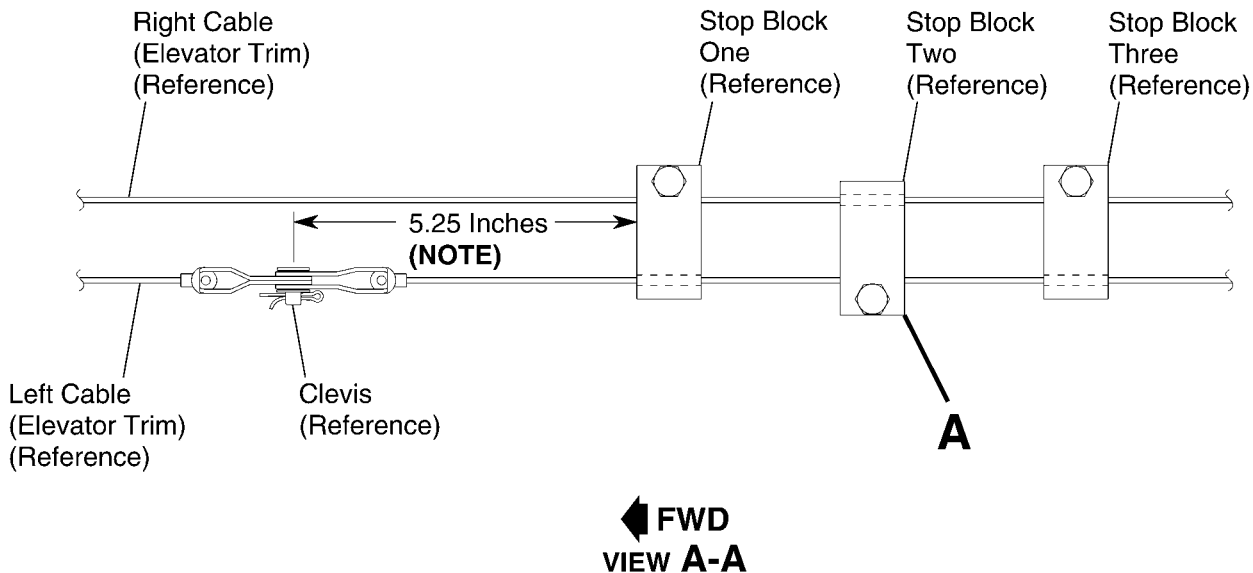
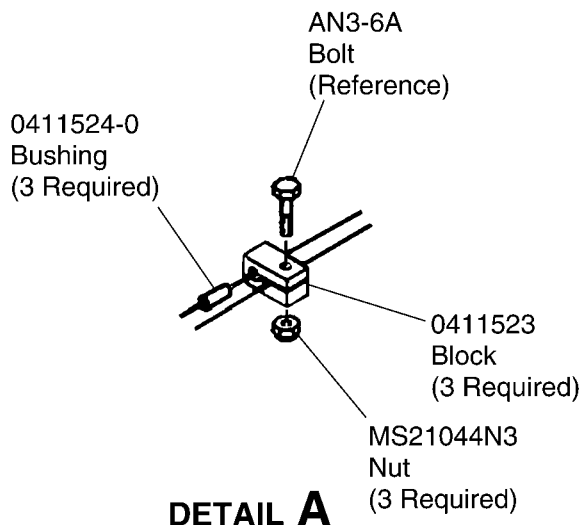
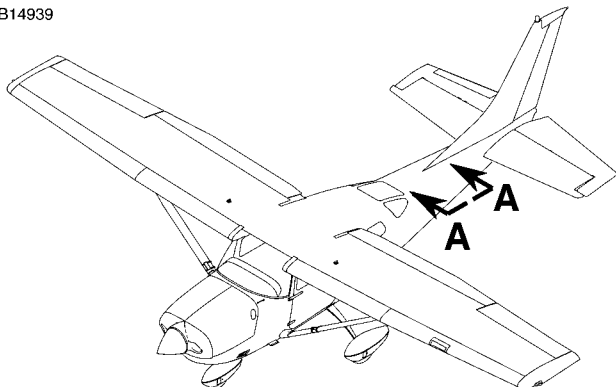
**ACCOMPLISHMENT INSTRUCTIONS**

1. Prepare the airplane for maintenance.
  - A. Make sure that the airplane is electrically grounded.
  - B. Make sure that all switches are in the OFF/NORM position.
  - C. Disconnect electrical power from the airplane.
    - (1) Disconnect the airplane battery.
    - (2) Disconnect external electrical power.
  - D. Attach maintenance warning tags to the battery and external power receptacle that have "**DO NOT CONNECT ELECTRICAL POWER - MAINTENANCE IN PROGRESS**" written on them.
  - E. Put a support stand under the tail tie-down ring. (Refer to the Maintenance Manual, Chapter 7, Jacking - Maintenance Practices.)
  - F. Remove the rear seat. (Refer to the Maintenance Manual, Chapter 25, Rear Seat - Maintenance Practices.)

- G. Remove the baggage curtain. (Refer to the Maintenance Manual, Chapter 25, Interior Upholstery - Maintenance Practices.)
2. Remove the travel stop blocks from the elevator trim cables. Keep the stop blocks and bolts. Discard the bushings and the nuts.
3. Install the stop blocks as follows:
- A. Wipe the inside of the stop blocks and the outside of the bushings with a clean lint free rag dampened with isopropyl alcohol.
- (1) Wipe dry with a clean lint free rag before the isopropyl alcohol evaporates.
- B. Place the elevator in the neutral position.
- C. Place the elevator trim tab in the neutral position.
- NOTE:** Split the nonfaired difference between the inboard and outboard ends. The trim pointer should be in the takeoff position.
- D. (Refer to Figure 1.) Put one 0411523 Stop Block (Stop Block One) on the left cable 5.25-inches Aft of the clevis.
- NOTE:** The left cable should be within the rounded slot of the stop block and the right cable should be within the slot with the bolt hole on the outboard side of the right cable.
- (1) Slide one 0411524-0 Bushing over the left cable and rotate so the slot of the bushing is down.
- (2) Apply a drop of U064070 Adhesive (Loctite 495) to the outer diameter of the 0411524-0 Bushing.
- NOTE:** When the stop block is tightened, it will squeeze the bushing so only one or two drops of adhesive is needed to provide a secondary method of retention for the bushing in the stop block. Remove any adhesive that gets on the cable.
- (3) Slide the 0411524-0 Bushing into the 0411523 Stop Block.
- (4) Install one each AN3-6A Bolt and MS21044N3 Nut and torque 20 to 25 Inch-Pounds.
- E. Place an inclinometer on the trim tab and set to zero.
- F. Move the trim tab up to 25 degrees, +1 or -0 degree.
- G. (Refer to Figure 1.) Put one 0411523 Stop Block (Stop Block Two) on the right cable just aft of and against the first stop block (stop block 1.)
- NOTE:** The right cable should be within the rounded slot of the stop block and the left cable should be within the slot with the bolt hole on the outboard side of the left cable.
- (1) Slide one 0411524-0 Bushing over the right cable and rotate so the slot of the bushing is down.
- (2) Apply a drop of U064070 Adhesive (Loctite 495) to the outer diameter of the 0411524-0 Bushing.
- NOTE:** When the stop block is tightened, it will squeeze the bushing so only one or two drops of adhesive is needed to provide a secondary method of retention for the bushing in the stop block. Remove any adhesive that gets on the cable.
- (3) Slide the 0411524-0 Bushing into the 0411523 Stop Block.
- (4) Install one each AN3-6A Bolt and MS21044N3 Nut and torque 20 to 25 Inch-Pounds.
- H. Move the trim tab down to 5 degrees, +1 or -0 degree.

- I. (Refer to Figure 1.) Put one 0411523 Stop Block (Stop Block Three) on the left cable just aft of and against the second stop block (stop block 2.)  
**NOTE:** The left cable should be within the rounded slot of the stop block and the right cable should be within the slot with the bolt hole on the outboard side of the right cable.
    - (1) Slide one 0411524-0 Bushing over the left cable and rotate so the slot of the bushing is down.
    - (2) Apply a drop of U064070 Adhesive (Loctite 495) to the outer diameter of the 0411524-0 Bushing.  
**NOTE:** When the stop block is tightened, it will squeeze the bushing so only one or two drops of adhesive is needed to provide a secondary method of retention for the bushing in the stop block. Remove any adhesive that gets on the cable.
    - (3) Slide the 0411524-0 Bushing into the 0411523 Stop Block.
    - (4) Install one each AN3-6A Bolt and MS21044N3 Nut and torque 20 to 25 Inch-Pounds.
  - J. Operate the trim tab to full up and full down position and make sure the travel is as follows:
    - 25 degrees, +1 or -0 degree up
    - 5 degrees, +1 or -0 degree down
  - K. Place the elevator trim tab in the neutral (0 degree) position, the trim pointer should be in the takeoff position.
  - L. Remove the inclinometer.
4. Restore the airplane as follows:
    - A. Install the baggage curtain. (Refer to the Maintenance Manual, Chapter 25, Interior Upholstery - Maintenance Practices.)
    - B. Install the rear seat. (Refer to the Maintenance Manual, Chapter 25, Rear Seat - Maintenance Practices.)
    - C. Remove the support stand from under the tail tie-down ring. (Refer to the Maintenance Manual, Chapter 7, Jacking - Maintenance Practices.)
    - D. Remove maintenance warning tags from the battery and external power receptacle that have "**DO NOT CONNECT ELECTRICAL POWER - MAINTENANCE IN PROGRESS**" written on them.
    - E. Connect the airplane battery.
  5. Make an entry in the airplane logbook that states compliance and method of compliance with this service document.

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**NOTE:** Make sure that the elevator and the trim tab are in the neutral position when Stop Block One is installed.

1210T1001  
AA1263T1010

Figure 1. Elevator Trim Stop Block Relocation (Sheet 1)

**MATERIAL INFORMATION**

Order the kit/parts below to install this modification.

NEW P/N	QUAN- TITY	KEY WORD	OLD P/N	INSTRUCTIONS/ DISPOSITION
SEB-27-04	1	<b>Kit</b> , consisting of the following parts:		
MS21044N3	3	Nut	Same	Discard old Install new
0411524-0	3	Bushing	Same	Discard old Install new
SEB-27-04	1	Instructions		

The parts below may be necessary to install this modification.

NEW P/N	QUAN- TITY	KEY WORD	OLD P/N	INSTRUCTIONS/ DISPOSITION
AN3-6A	3	Bolt	Same	Discard old Install new
0411523	3	Block (Stop Block)	Same	Discard old Install new

\* Please contact a Textron Aviation Authorized Service Facility for current cost and availability of parts listed in this service document.

**TITLE**

FLIGHT CONTROLS - ELEVATOR TRIM STOP BLOCK RELOCATION

**TO:**

Cessna Model 206H and T206H Aircraft Owner

**REASON**

To improve clearance between the elevator trim stop blocks and the elevator control cables.

**COMPLIANCE**

RECOMMENDED. This service document should be accomplished at the next 100-hour or 12-month (annual-type) inspection.

**MATERIAL AVAILABILITY**

PART NUMBER	AVAILABILITY	COST
SEB-27-04	*	*
AN3-6N	*	*
0411523	*	*

\* Please contact a Textron Aviation Authorized Service Facility for current cost and availability of parts listed in this service document.

**WARRANTY**

None

**NOTE:** As a convenience, service documents are now available online to all our customers through a simple, free-of-charge registration process. If you would like to sign up, please visit the Customer Access link at [www.txtavsupport.com](http://www.txtavsupport.com) to register.

