

TITLE

FLIGHT CONTROLS - ELEVATOR TRIM PUSH-PULL ROD HARDWARE REPLACEMENT

EFFECTIVITY

The following Cessna Aircraft Models (all serial numbers):

310 thru 310R, E310H, E310J, 310J-1, T310P thru T310R

320 thru 320F, 320-1

335

340, 340A

401 thru 401B

402 thru 402C

411, 411A

414, 414A

421 thru 421C

REASON

To replace the hardware securing the elevator trim push-pull rod.

DESCRIPTION

This service bulletin provides instructions to replace the hardware connecting the elevator trim push-pull tube to the elevator trim actuator and elevator trim tab.

COMPLIANCE

MANDATORY. This service bulletin must be accomplished at the next 100-hour or 12-month (annual-type) inspection, whichever occurs first.

NOTE: A general visual inspection for correct installation and security of the elevator trim tab push-pull rod connecting hardware shall be completed during each subsequent 100-hour or 12-month (annual) type inspection after the accomplishment of this service bulletin. The general visual inspection should check the bolts and linkage for condition, security, and the cotter pins for safety. A service bulletin published by Cessna Aircraft Company 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 bulletin, including the intent therein.
- 2) The mechanic must correctly use and install all applicable parts supplied with the service bulletin kit. Only with written authorization from Cessna Aircraft Company 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 bulletin only as approved and published.
- 4) The mechanic or airplane owner must apply the information in the service bulletin only to aircraft serial numbers identified in the "Effectivity" section of the bulletin.
- 5) The mechanic or airplane owner must use maintenance practices that are identified as acceptable standard practices in the aviation industry and governmental regulations.

No individual or corporate organization other than Cessna Aircraft Company is authorized to make or apply any changes to a Cessna-issued service bulletin, service letter, or flight manual supplement without prior written consent from Cessna Aircraft Company.

APPROVAL

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

WEIGHT AND BALANCE INFORMATION

Negligible

PUBLICATIONS AFFECTED

Applicable Cessna Model Illustrated Parts Catalog

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 control columns and elevator trim wheel that have "**DO NOT MOVE ELEVATOR OR ELEVATOR TRIM - MAINTENANCE IN PROGRESS**" written on them.
2. (Refer to Figure 1, Sheet 1 and Sheet 2.) Remove the nut, washer and bolt from the elevator trim tab to push-pull tube and discard the hardware.

CAUTION: Use of the correct cotter pin, part number MS24665-132, is critical in this installation. Use of a different cotter pin could result in the hardware becoming loose.

3. (Refer to Figure 1, Sheet 1 and Sheet 2.) Install the NAS464P3-8 Bolt, NAS1149F0332P Washer, MS17826-3 Nut and MS24665-132 Cotter Pin in the elevator trim tab to push-pull tube.

NOTE: Bolts should be free turning after installation.

4. (Refer to Figure 1, Sheet 1 and Sheet 2.) Remove the nut, washer and bolt from the elevator trim actuator to push-pull tube and discard the hardware.

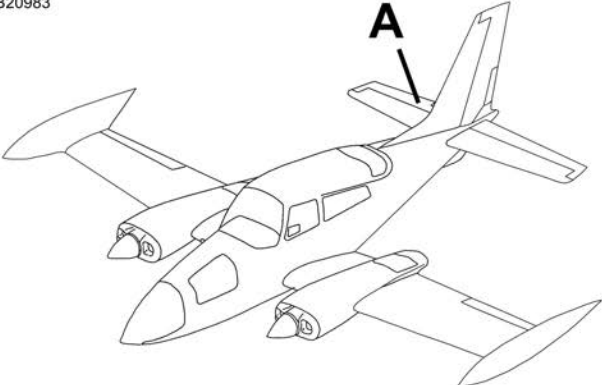
CAUTION: Use of the correct cotter pin, part number MS24665-132, is critical in this installation. Use of a different cotter pin could result in the hardware becoming loose.

5. (Refer to Figure 1, Sheet 1 and Sheet 2.) Install the NAS464P3-8 Bolt, NAS1149F0332P Washer, MS17826-3 Nut and MS24665-132 Cotter Pin in the elevator trim actuator to push-pull tube.

NOTE: Bolts should be free turning after installation.

6. Remove the maintenance warning tags and connect the airplane battery.
7. Make an entry in the airplane logbook that states compliance and method of compliance with this service bulletin.

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NOTE: Model 310R shown, location for trim tab push-pull rod similar on other models.

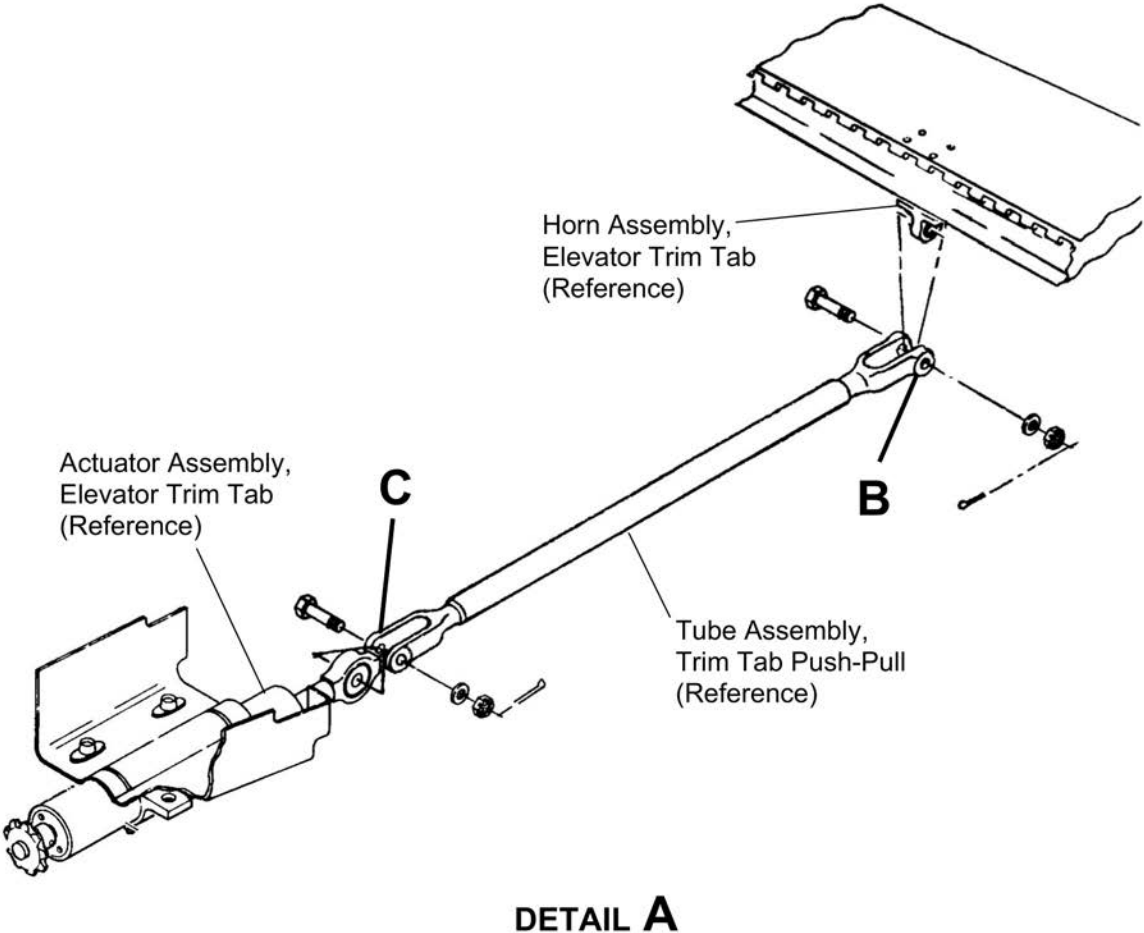
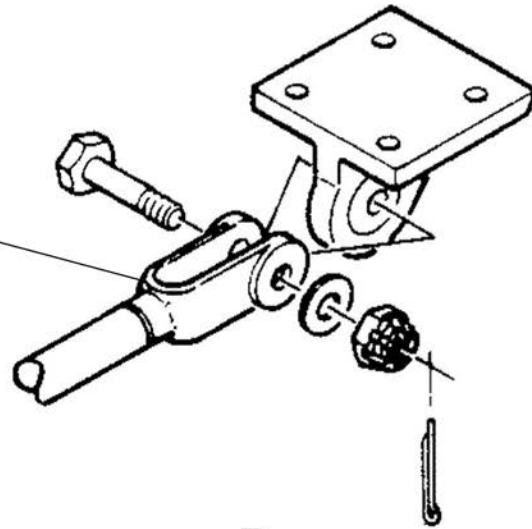


Figure 1. Elevator Push-Pull Rod Hardware Replacement (Sheet 1)

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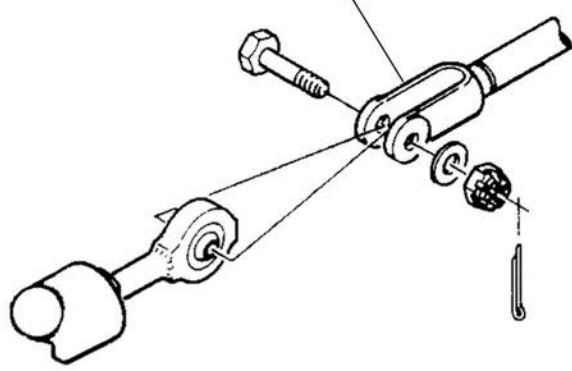
B20984

- NAS464P3-8
- Bolt
- NAS1149F0332P
- Washer
- MS17826-3
- Nut
- MS24665-132
- Cotter Pin
- (1 Each Required)



DETAIL B

- NAS464P3-8
- Bolt
- NAS1149F0332P
- Washer
- MS17826-3
- Nut
- MS24665-132
- Cotter Pin
- (1 Each Required)



DETAIL C

Figure 1. Elevator Push-Pull Rod Hardware Replacement (Sheet 2)

MATERIAL INFORMATION

Order the kit below to install this modification.

NEW P/N	QUAN- TITY	KEY WORD	OLD P/N	INSTRUCTIONS/ DISPOSITION
MEB-27-02	1	Kit , consisting of the following parts:		
NAS464P3-8	2	Bolt	Same	Discard Old, Install New
NAS1149F0332P	2	Washer	Same	Discard Old, Install New
MS17826-3	2	Nut	Same	Discard Old, Install New
MS24665-132	2	Cotter Pin	Same	Discard Old, Install New

