



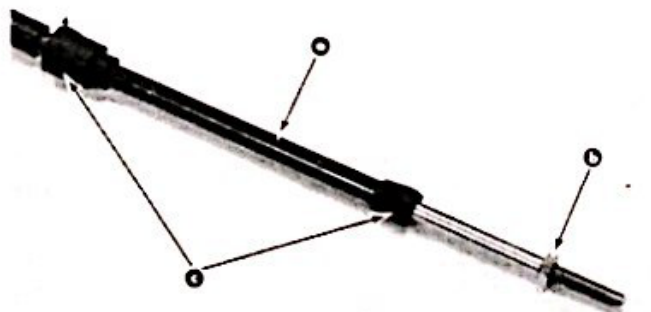
ACTUATOR KIT - TRIM RAM INSTALLATION INSTRUCTIONS

CAUTION

To avoid possible injury to the eyes, safety glasses should be worn while assembling this kit.

Assembly Actuator

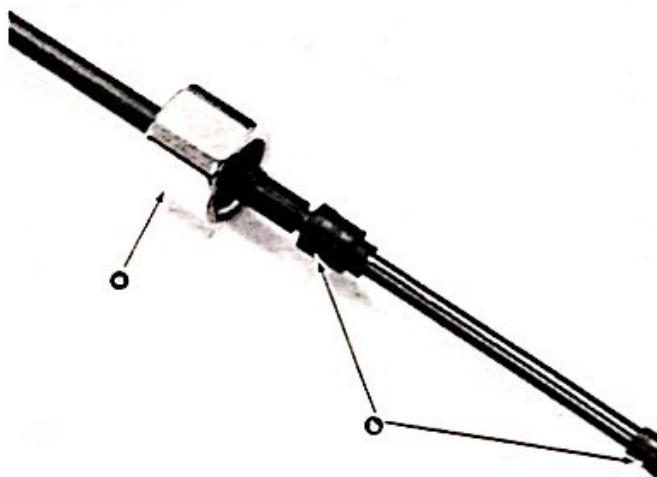
1. Remove cable nut and rubber boots from end of cable.



- a - Cable
- b - Nut
- c - Boots

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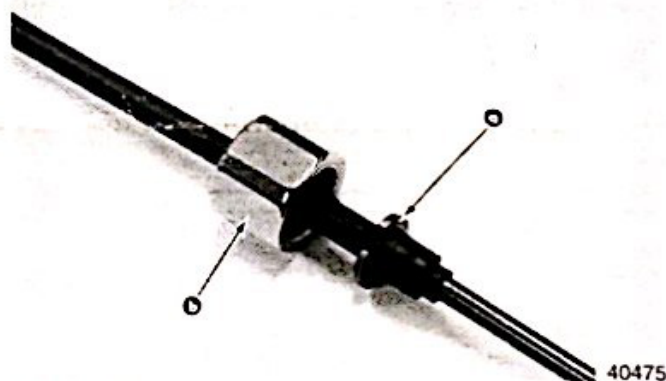
2. Slide tube end cap onto cable with threaded opening facing end of cable. Replace rubber boots and cable nut.



- a - Tube End Cap
- b - Boots

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3. Install cable clip into cable groove. Slide tube end cap over cable clip and secure to cable with tape.



- a - Cable Clip
- b - Tube End Cap

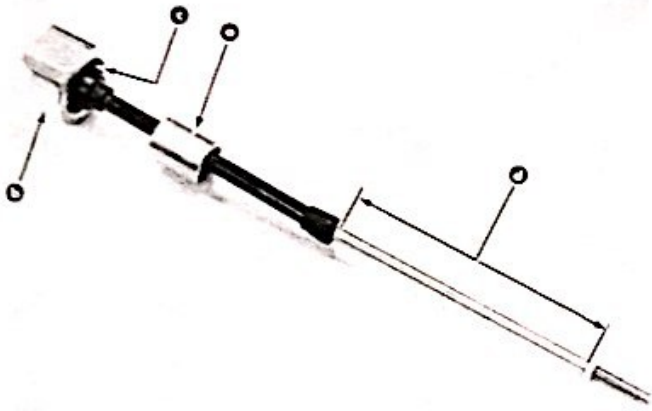
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- a - Tube End Cap
- b - Tape

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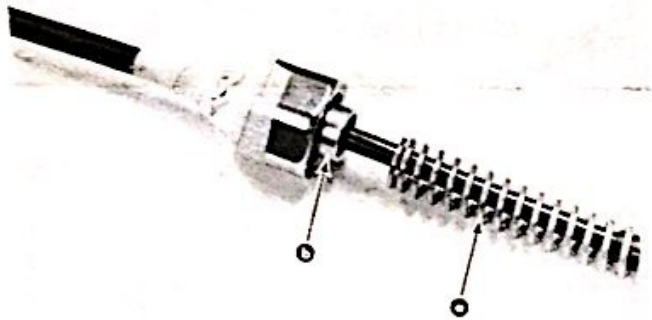
4. Install spring spacer onto cable and slide into end cap until it butts against cable clip. Extend cable fully.



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- a - Spacer
b - End Cap
c - Cable Clip (Hidden from View)
d - Extend Cable

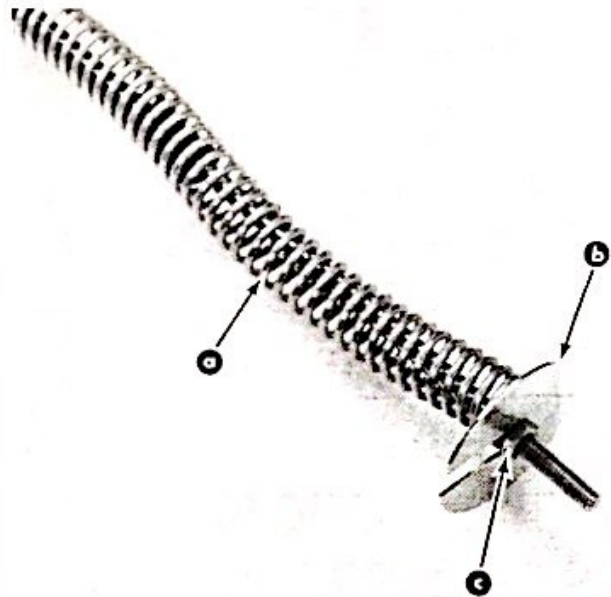
5. Slide spring over cable and butt to spring spacer.



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- a - Spring
b - Spacer

6. Compress spring and install tool clip between spring and cable nut. Slowly release tension on spring until it holds tool clip in place



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- a - Spring
b - Tool Clip
c - Cable Nut

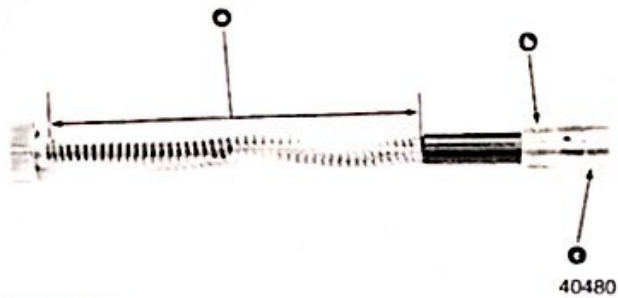
7. Thread push rod onto cable end until it contacts the cable nut. Remove tool clip so spring contacts push rod.



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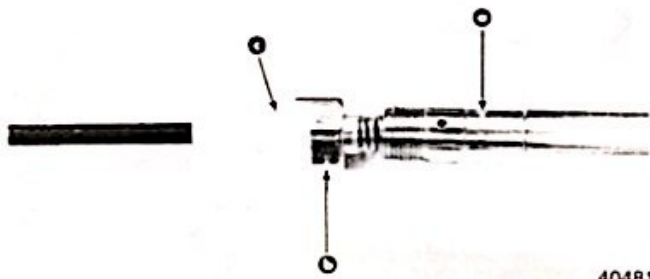
- a - Push Rod
b - Cable Nut (Hidden from View)
c - Tool Clip

- Apply liberal coat of Anticorrosion Grease P/N 92-78376A6 to spring. Install actuator tube over push rod assembly. Apply a small amount of Loctite 271 to threads of actuator tube.



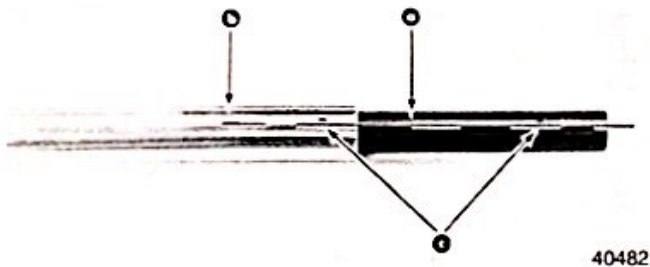
- a - Grease Spring
- b - Apply Loctite to Threads
- c - Actuator Tube

- Thread actuator tube into end cap and tighten securely. Remove tape from end cap.

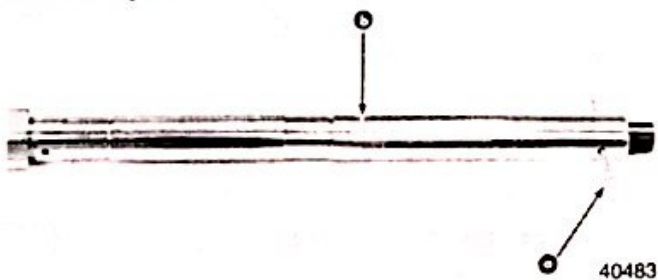


- a - Actuator Tube
- b - End Cap
- c - Tape

- Align 1/8" hole in push rod with hole in actuator tube. Compress push rod into actuator tube and insert a 1/8" diameter nail, pin or rod into hole, to secure during installation.



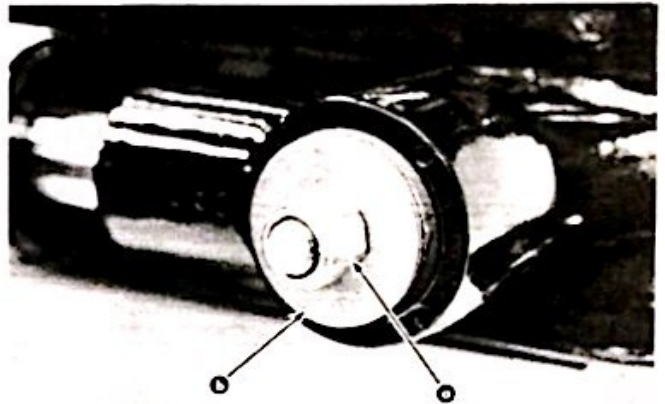
- a - Push Rod
- b - Actuator Tube
- c - Holes Aligned



- a - Nail or Rod
- b - Actuator Tube

Installation - Actuator

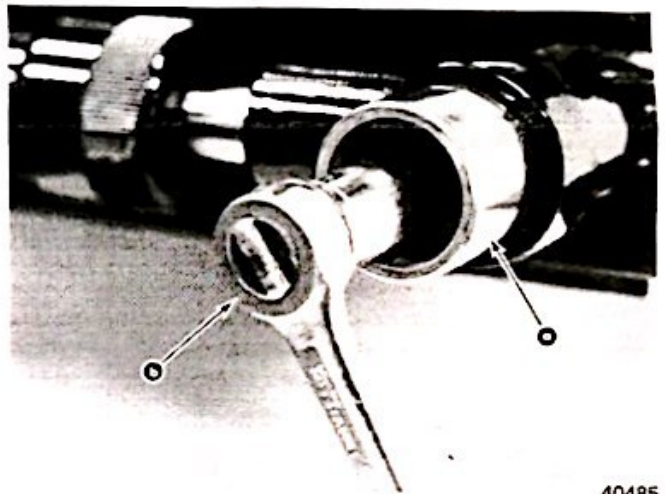
- Trim drive in all the way (cylinder fully retracted).
- Remove trim pin nut and washer from trim cylinder.



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- a - Nut
- b - Washer

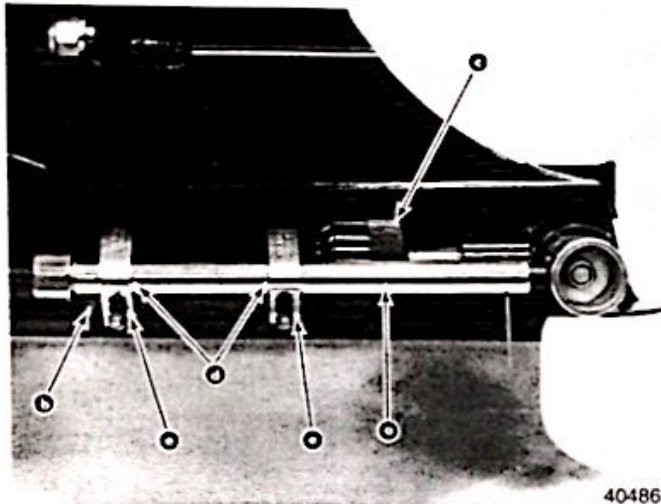
- Install trim pin cup on trim pin and secure with nut. Tighten nut until approximately 2 threads are exposed through nut. Do not over-tighten nut, as rubber bushings may be damaged.



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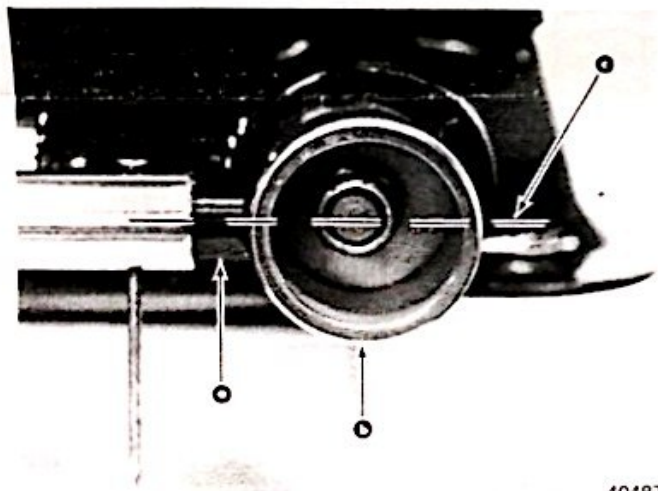
- a - Trim Pin Cup
- b - Socket Wrench

4. Place actuator onto tube bracket and hold against trim cylinder body. Align bracket and tube clamp grooves and install T-bolt clamps around entire assembly.



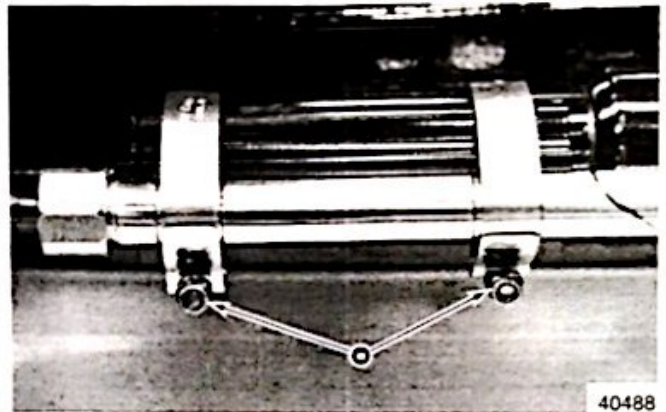
- 40486
- a - Actuator
 - b - Tube Bracket
 - c - Trim Cylinder
 - d - Grooves
 - e - T-Bolt Clamps

5. Butt end of push rod against trim pin cup at its centerline.

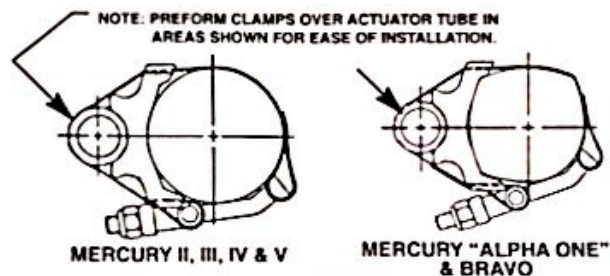


- 40487
- a - Push Rod
 - b - Trim Pin Cup
 - c - Centerline

6. Tighten clamp nuts to 65 in. lbs. (7.3 N-m) torque. Cross sectional views show possible clamp locations for different cylinder applications.

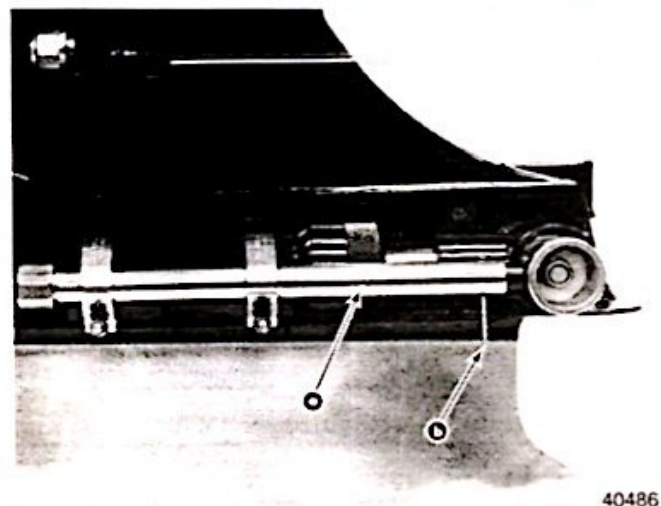


- 40488
- a - Clamp Nut



CLAMP ORIENTATIONS. PORT INSTALLATIONS SHOWN.
CLAMP POSITIONS SHOWN ARE "CLEAN" LOOK. CAN BE VARIED.

7. Remove nail or rod from actuator. Cycle trim several times and observe actuator for smooth operation.



- 40486
- a - Actuator
 - b - Nail or Rod

8. If actuator appears to be stuck, trim drive down and inspect for:
 - a. Improper assemble of actuator
 - b. Bends or kinks in cable
 - c. Trim indicator on dash binding.