

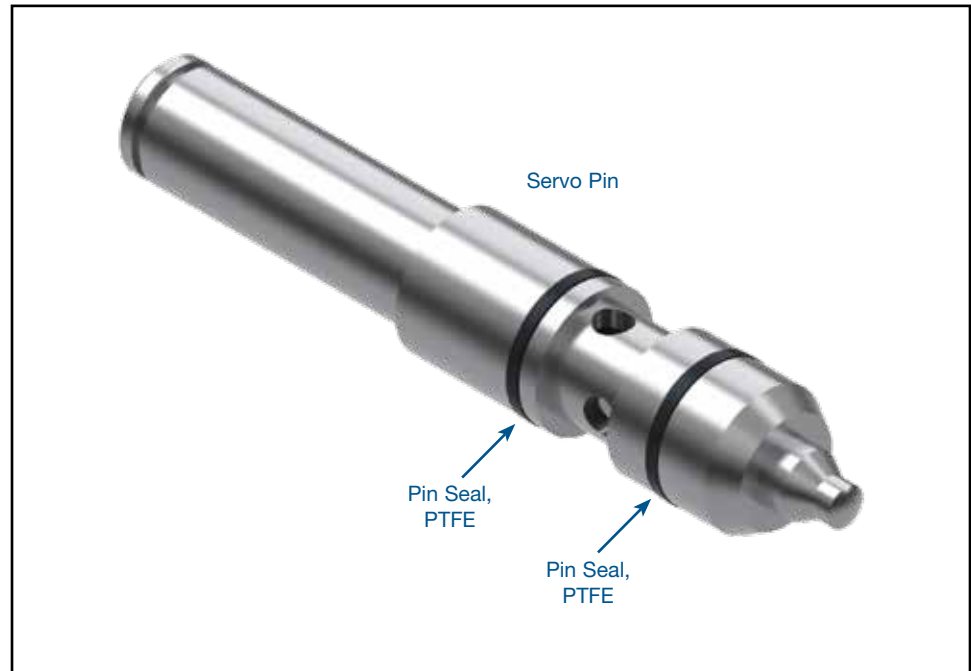
Extended Length Forward Band Servo Pin Kit

Part No.

84571-01K

- Servo Pin
- Pin Seals (4) PTFE, 2 Extra

GM 4T60-E, 4T65-E



1. Disassembly (Figure 1, Page 2)

- Compress OE forward band servo cover to hold it in place.
- Remove three OE cover bolts, saving for reuse.
- Release OE servo cover, which will push out from the case. If not, tap with a rubber mallet to release.
- Remove OE servo cover and cover seal (seal may remain on the cover), saving both for reuse.
- Remove OE servo assembly.
- Remove OE servo piston spring, save for reuse.
- Remove the retaining clip from the servo pin, followed by the servo piston, cushion spring, and cushion spring perch, saving all for reuse.



NOTE: Take note of the orientation of the cushion spring perch, if directional.

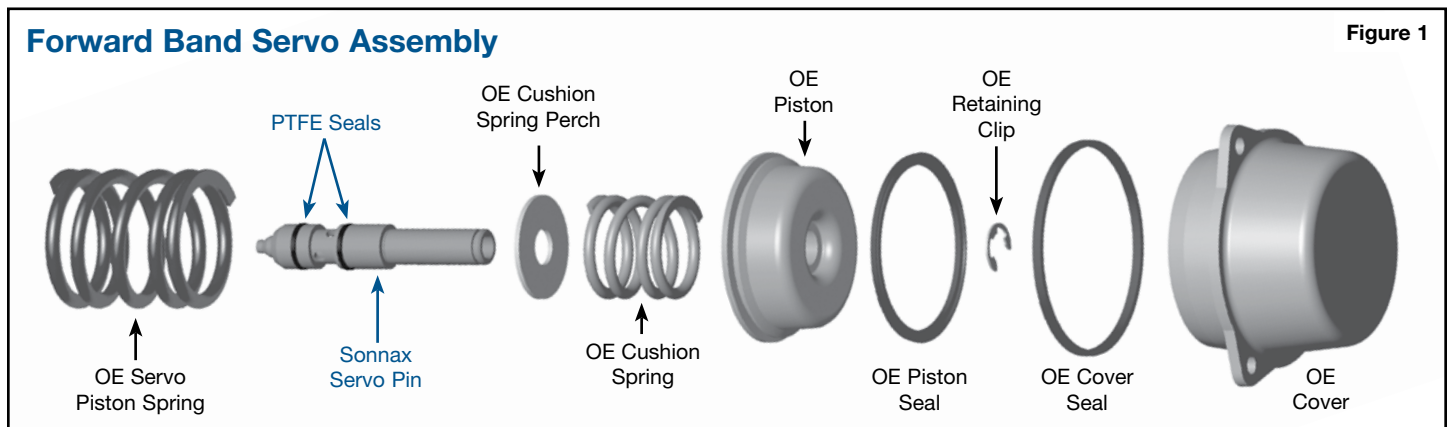
- Discard OE servo pin.

2. Inspection

- Inspect the forward band for the following:
 - Damaged or severely worn friction material
 - Damaged apply or anchor pin features
 - Cracks near the apply or anchor pin features

2. Inspection (continued)

- b. Inspect the forward band servo components for the following:
 - Damaged, worn or porous servo piston
 - Damaged servo piston seal
 - Damaged, worn or porous servo cover
 - Damaged servo cover seal
 - Broken or collapsed servo piston spring
 - Broken or collapsed servo piston cushion spring
- c. Replace components as necessary.



3. Installation & Assembly (Figure 1)

- a. Install one Sonnax PTFE seal into each groove on the Sonnax servo pin.
- b. Install OE cushion spring perch onto Sonnax servo pin, in the direction noted during disassembly (if applicable).
- c. Install OE cushion spring onto Sonnax servo pin, followed by OE piston. Retain in place with OE retaining clip.
- d. Install OE servo piston spring into OE servo piston.
- e. Install entire servo assembly into OE servo cover.
- f. Reinstall servo cover seal, if previously removed.



NOTE: Expected servo travel is .120-.170" with Sonnax pin installed. In the event travel is less than .120", the tip of pin can be ground using a 3/8" washer as a radius guide (Figure 2).



WARNING: Break sharp edge on forward servo pin case bore to avoid cutting PTFE seals during installation of the Sonnax servo pin.

- g. Install the entire forward band servo assembly and cover into the case, and retain with three OE cover bolts and torque to 89 in-lb.

