

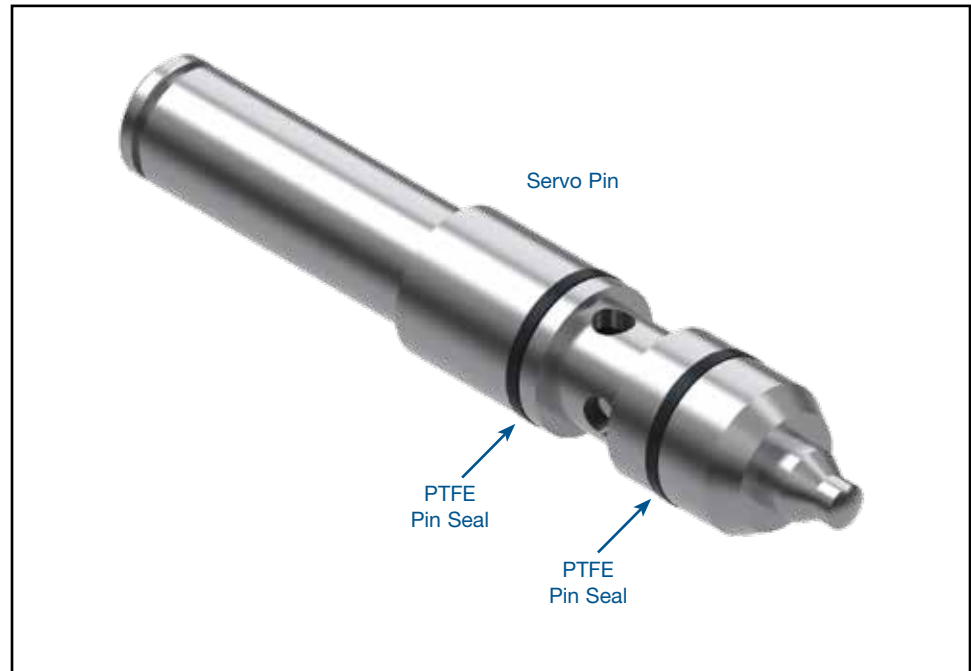
## Extended Length Forward Band Servo Pin Kit

### Part No.

**84571-01K**

- Servo Pin
- Pin Seals, PTFE (2)

## 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

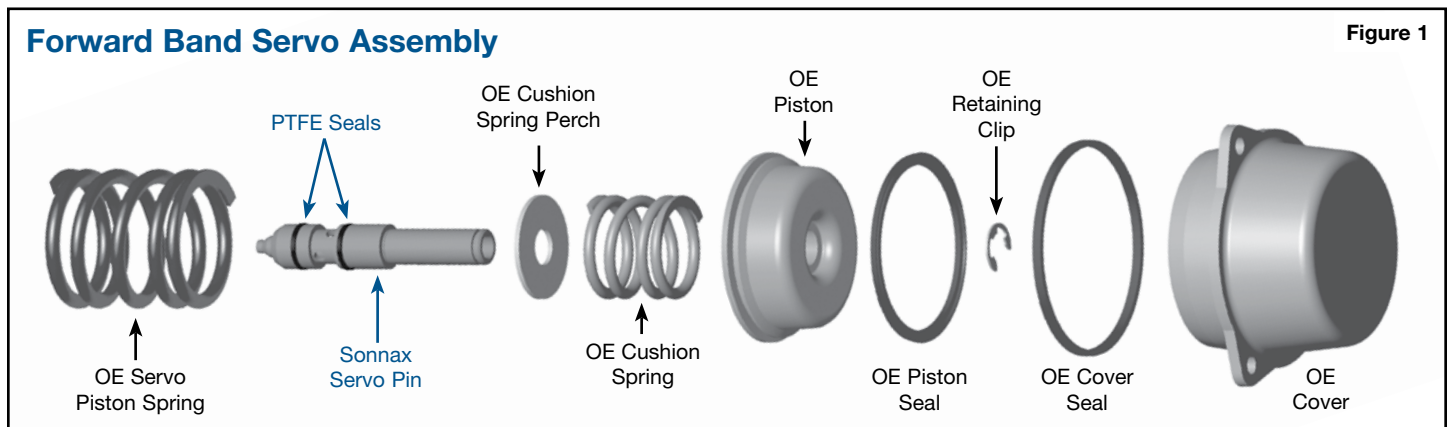
- Inspect the forward band for the following:
  - Damaged or severely worn friction material
  - Damaged apply or anchor pin features
  - Cracks near the apply or anchor pin features

## 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.

