

## Oversized TCC Regulator Valve Kit

**Part No.**  
**34994-18K**

- Valve
- Sleeve
- Retaining Pin
- Spring                      Short, Selective
- Spring                      Long, Selective

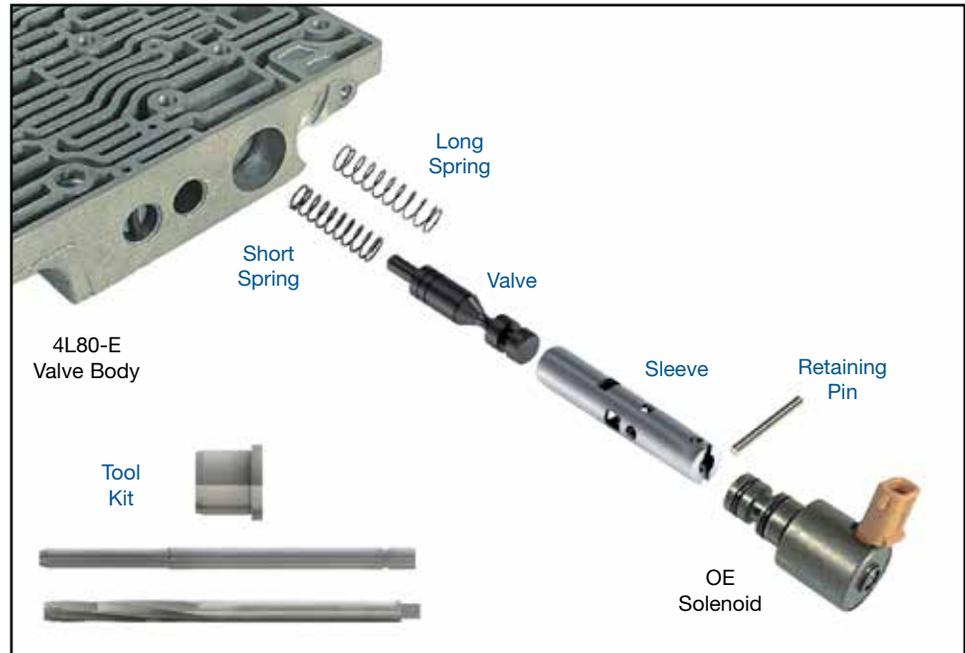
## Tool Kit

**Part No.**  
**F-34994-TL18**

- Reamer
- Reamer Jig
- Guide Pin

Figure 1

Sonnax Spring Selection	
OE Shift Feel	Firmer Lockup*
Approximately 1.23" Free Length Short Spring	Approximately 1.50" Free Length Long Spring
	
* Long spring best suited for towing applications	



## GM 4L80-E, 4L85-E

### 1. Disassembly

- Remove solenoid and set aside for reuse.
- Remove and discard OE retaining pin.
- Remove and discard OE TCC regulator valve and spring.

### 2. Reaming

Ream TCC regulator bore (for reaming instructions/reamer care, please visit [www.sonnax.com](http://www.sonnax.com)). Sonnax reaming tool kit **F-34994-TL18** and **VB-FIX** are required for this operation.

### 3. Installation & Assembly

- Place selected Sonnax spring (**Figure 1**) over long stem on Sonnax TCC valve.
- Insert valve/spring assembly into Sonnax sleeve, oriented as shown in main picture.
- Install spring/valve/sleeve assembly into bore, spring-end first.
- Secure valve train with Sonnax retaining pin.
- Reinstall or replace and secure OE solenoid.

### 3. Final Testing

Vacuum testing at the port(s) indicated holds the recommended minimum 18 in-Hg (**Figure 2**).

