

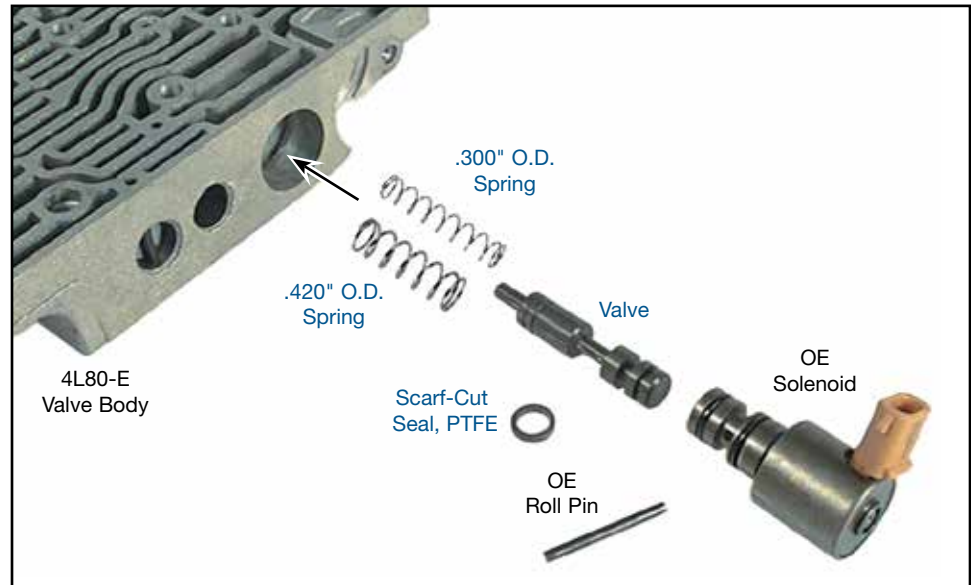
TCC Regulator Valve Kit

Part No.

34994-01K

- Valve
- Scarf-Cut Seal PTFE
- Spring .420" O.D., Selective
- Spring .300" O.D., Selective

GM 4L80-E, 4L85-E



1. Disassembly

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

2. Installation & Assembly

- Apply Sonnax Slippery Stick **O-LUBE** or equivalent to seal groove of Sonnax regulator valve, then insert Sonnax scarf-cut seal. Use Slippery Stick **O-LUBE** liberally, as it must hold edges of seal even with or below the spool diameter to prevent interference with bore during valve installation.
- Place selected Sonnax spring (**Figure 1**) over long stem on TCC valve.
- Carefully push spring and valve assembly into valve bore, spring end first. Ensure seal remains fully seated in valve groove as it is pushed past open ports.
- Secure valve train by reinstalling OE roll pin.
- With a blunt pick or small screwdriver, carefully stroke valve in bore to ensure the seal has not become hung up or compromised during assembly.
- Reinstall or replace and secure solenoid.



NOTE: If bore interferes with PTFE seal, a small chamfer may be machined into outer bore end to gain clearance for ease of installation. A 15/32" counter bore is recommended. Remove all debris created and clean bore prior to installing components.

3. Final Testing

Vacuum testing at the port(s) indicated holds the recommended minimum 16 in-Hg (**Figure 2**).

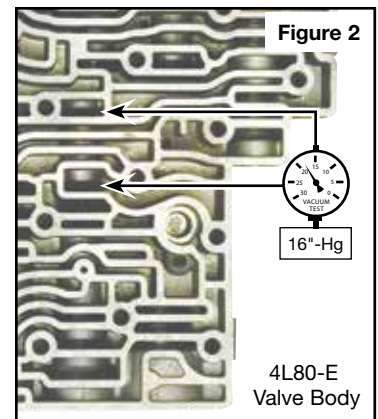


Figure 1

| Sonnax Spring Selection | |
|---|--------------------------|
| OE Shift Feel | Firmer Lockup* |
| Approximately .420" O.D. | Approximately .300" O.D. |
| | |
| * .300" dia. spring best suited for towing applications | |