

## Boost Valve Kit

Part No.

**27741-01K**

- Valve
- Sleeve
- End Plug

## Toyota/Lexus U151E, U151F, U250E

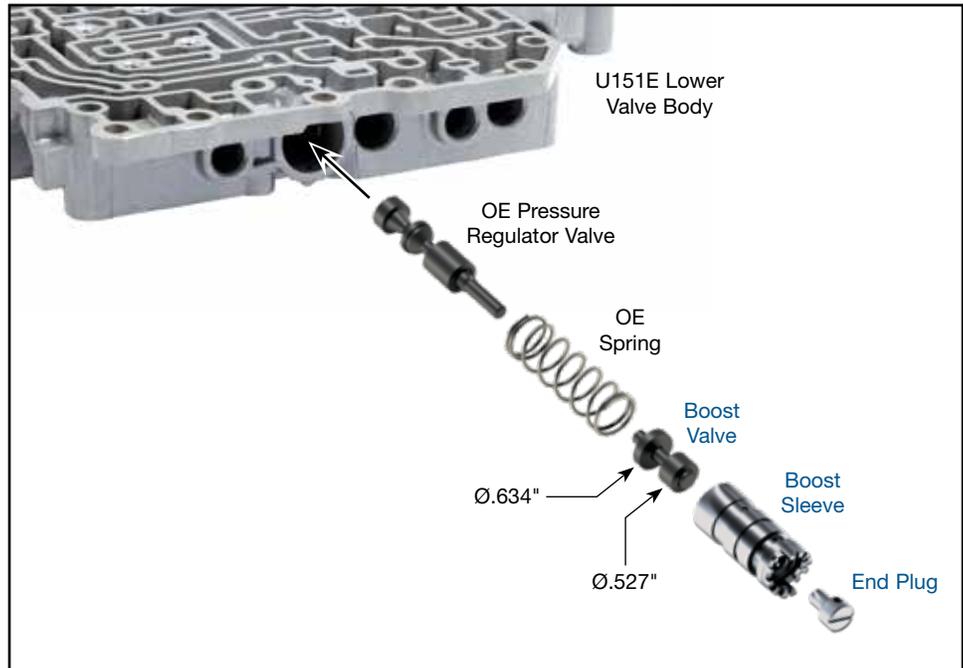
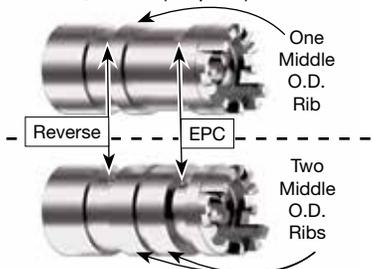


Figure 1

U140E/F, U241E (4-Speed) 57917E-01K



U151E/F, U250E (5-Speed) 27741-01K



**IMPORTANT:** Boost assemblies between 4-speed and 5-speed **CANNOT** be interchanged! The U140E/F, U241E (4-speed) boost valve sleeve and the U151E/F, U250E (5-speed) boost sleeve are identical except for the middle O.D. ribs. The extra rib on the 5-speed sleeve seals an EPC port. If sleeves are mismatched, line pressure problems will occur (Figure 1).



**NOTE:** This assembly is adjustable, and set for the particular application at the factory. Make note of which position of adjustable step on OE boost sleeve the retainer resides in prior to removing from the valve body. Failure to do so will result in no line rise (Figure 2).

### 1. Disassembly

- Note and record position of adjustable step on OE boost sleeve.
- Remove OE boost assembly and discard.

### 2. Installation & Assembly

- Insert Sonnax boost valve and sleeve assembly into valve body bore.
- Install Sonnax end plug with OE retainer.
- Ensure adjustable step on Sonnax sleeve is in same step location as OE sleeve was found. Failure to do so will result in no line rise.

### 3. Final Testing

Vacuum testing at the port(s) indicated holds the recommended minimum 18 in-Hg (Figure 3).

Figure 2



**SLEEVE COMPARISON:** Sonnax & OE sleeves function the same but have visual differences on their stepped ends.

Figure 3

