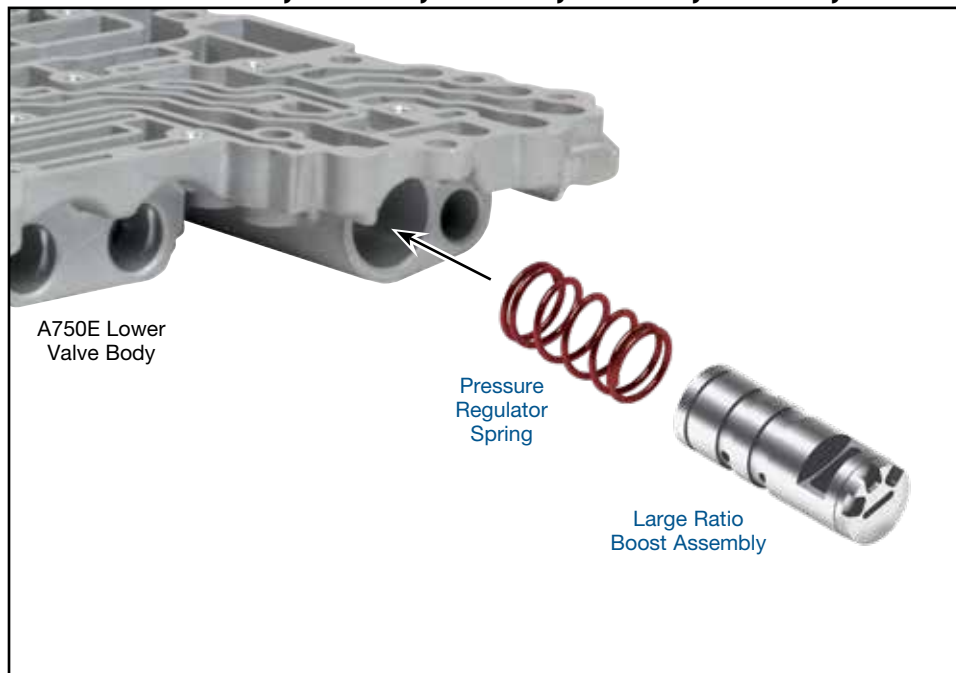


## Toyota/Lexus A750E, A750F, A760E, A760F, A760H, A761E, A960E, A960F, AB60E, AB60F

### Line Pressure Booster Kit

**Part No.**  
**A750-LB1**

- Large Ratio Boost Assembly
- Pressure Regulator Spring



**NOTE:** Before disassembly, note position of retainer on OE sleeve. Retainer must be returned to the corresponding step on Sonnax sleeve during installation.

#### 1. Disassembly

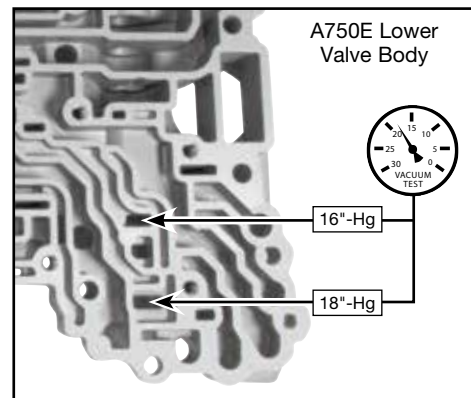
- Remove OE boost sleeve retainer after noting its step position on OE boost sleeve. Set retainer aside for reuse.
- Remove and discard OE boost assembly and pressure regulator spring.

#### 2. Installation

- Install Sonnax pressure regulator spring.
- Install Sonnax large ratio boost assembly.
- Reinstall OE retainer.
- Ensure retainer is set into the same step position on Sonnax sleeve that was noted on OE boost sleeve before disassembly.

#### 3. Final Verification

Vacuum testing at the ports indicated holds the recommended minimum 16 and 18 in.-Hg.

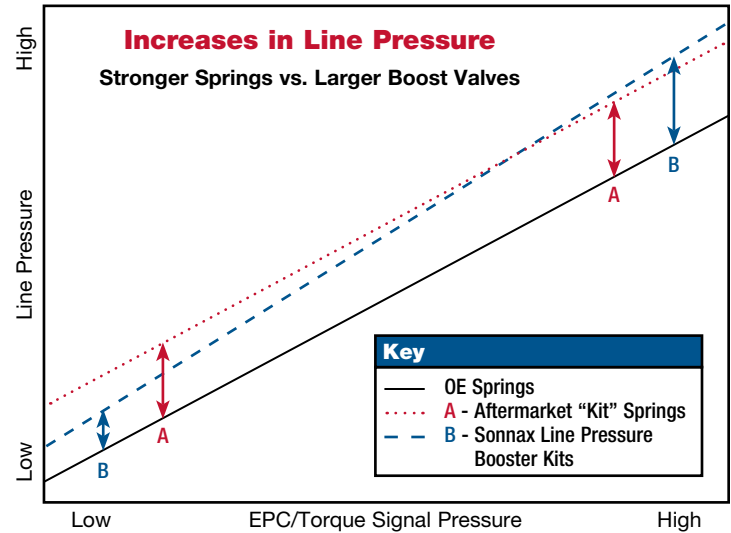


#### The Prescription for Optimum Pressure

Stronger pressure regulator springs raise pressure equal amounts at idle and maximum pressure. Many aftermarket “kit” springs are a compromise, raising pressure too much at idle and not enough at maximum pressures (**A** in graph). Larger boost valves, on the other hand, have a progressive effect on pressure, changing the rate of pressure increase (**B** in graph).

The Sonnax large ratio boost valves and stronger pressure regulator springs are designed to work together. This is an ideal combination: smooth engagements and lower load on the pump at idle, but a greater increase in pressure as the transmission is worked harder.

For a more in-depth look at raising line pressure, read *The Prescription for Optimum Pressure* in the Sonnax online technical library at [www.sonnax.com](http://www.sonnax.com).



## Pump Tech

### Good Pressure Depends on a Good Pump

#### Verify Pump Specifications

Excess clearance equals low pump volume and pressure.

<b>Gear Pocket Clearance</b>	.0012" to .0019" Check with feeler gauge and straight edge over pump face, or with Plastigauge and bolt complete pump together.
<b>Outer Gear to Pump Body</b>	.004" – .007" max.
<b>Lobe to Lobe</b>	.0027" – .0059" max.
<b>Pump Housing Flatness</b>	.001"