

Oversized Primary Pressure Regulator & Reverse Boost Valve Kit

Part No.
47740-02K

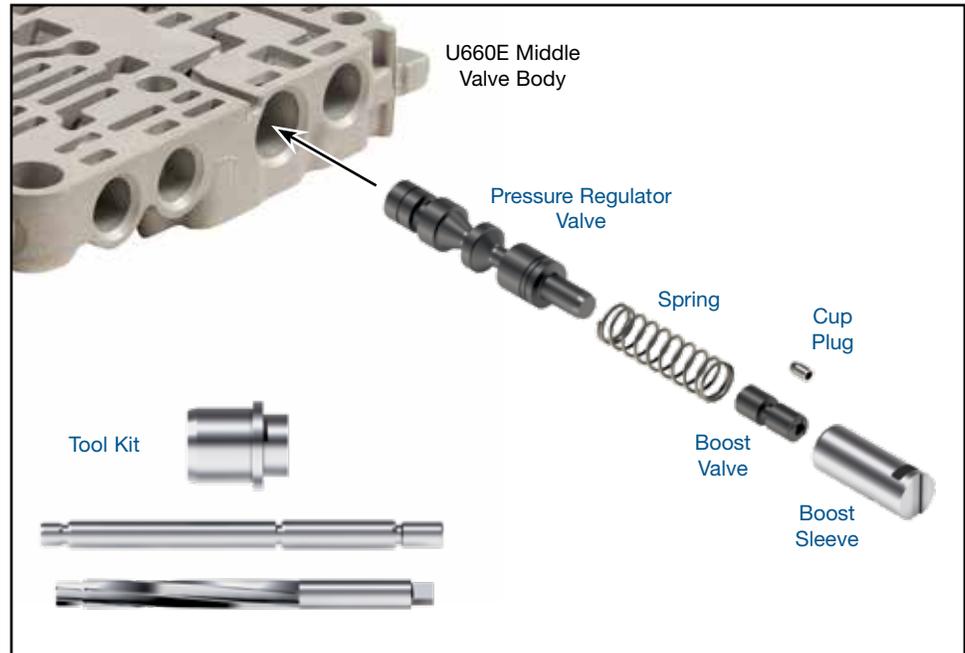


- Pressure Regulator Valve
- Boost Valve
- Boost Sleeve
- Cup Plugs (2) 1 Extra
- Spring

NOTE: Kit can be used to replace either OE ratio.

Patent No. 9,447,871

Toyota/Lexus U660E, U660F, U760E, U760F



Tool Kit

Part No.
F-47740-TL2



- Reamer
- Reamer Jig
- Guide Pin

NOTE: Sonnax "F-Tool" kits designed to service a specific bore require the VB-FIX, a self-aligning valve body reaming fixture. More information and instructions can be found online at www.sonnax.com.

1. Disassembly

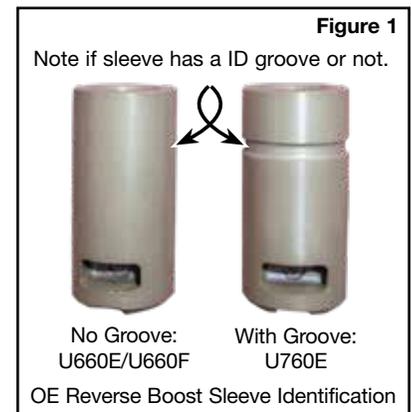
- Remove OE retaining clip and save for reuse.
- Remove OE Reverse boost sleeve and valve, note if the sleeve has an identification groove (**Figure 1**) and then discard.
- Remove and discard OE spring and pressure regulator valve.

2. Bore Reaming

Ream pressure regulator bore (for reaming instructions/reamer care, please visit www.sonnax.com). Sonnax reaming tool kit **F-47740-TL2** and **VB-FIX** are required for this operation.

3. Installation & Assembly

- Be certain all debris has been removed from the valve bore and valve body.
- Install Sonnax primary pressure regulator valve with the spring guide facing out.
- Install Sonnax spring over the spring guide on the pressure regulator valve.
- Determine which side of the Sonnax Reverse boost valve needs to be plugged (**Figure 2**):
 - U660E/U660F & No groove on OE sleeve = Plug large diameter end
 - U760E & Groove on OE sleeve = Plug small diameter end



3. Installation & Assembly (continued)

- e. Apply a drop of red Loctite® 262 (or equivalent) to the Sonnax cup plug prior to installation. Place the Sonnax Reverse boost valve on a piece of wood or other soft material. Using a flat punch that fits inside the Sonnax cup plug, press one cup plug into the appropriate end of the Reverse boost valve until seated (**Figure 2**).

NOTE: A spare cup plug is provided.

- f. Install Sonnax Reverse boost valve into Sonnax boost sleeve, small diameter first. Then install assembly into bore.
g. Reinstall OE retaining clip.

4. Final Testing

Vacuum tests at the ports indicated hold the recommended minimum 16 and 18 in-Hg (**Figures 3 & 4**).

