

## Oversized TCC Control Valve & Boost Valve Kit



Part No.

**823740-01K**

- TCC Control Valve
- Spacer
- Boost Valve
- Boost Sleeve

## Tool Kit

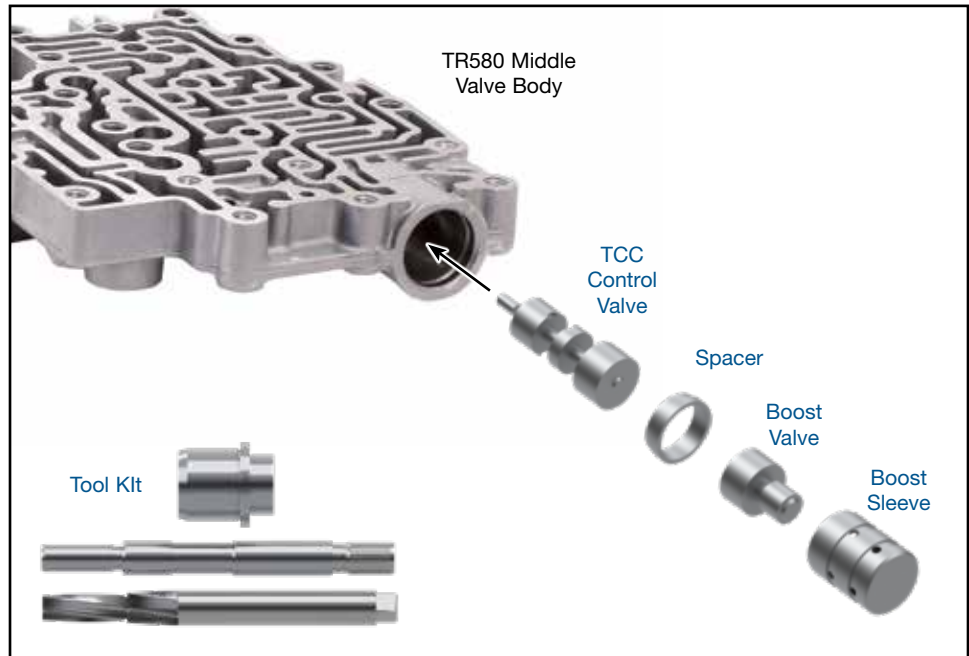


Part No.

**F-823740-TL1**

- 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](http://www.sonnax.com).



## Subaru TR580

### 1. Disassembly

- Remove and save OE retainer.
- Remove and discard the OE boost valve and sleeve assembly and the OE valve.
- Remove and save OE spring.

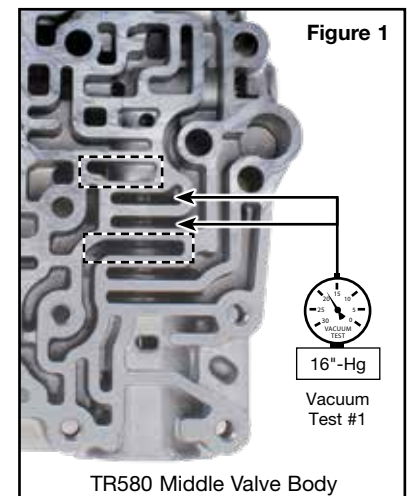
### 2. Bore Reaming

- Ream TCC control valve and boost valve bore (for reaming instructions/reamer care, please visit [www.sonnax.com](http://www.sonnax.com)). Sonnax reaming tool kit **F-823740-TL1** and **VB-FIX** are required for this operation.
- Be certain all debris has been removed from the valve bore and valve body.

### 3. Vacuum Testing #1

- Install the Sonnax TCC control valve into the bore without any other components.
- Hold the valve in the applied position; fully seated in the bore.
- Vacuum testing at the port(s) indicated holds the recommended minimum 16 in-Hg (**Figure 1**).

**NOTE:** Seal both ports and test both ports together. The valve should be positioned for blocking the surrounding ports. Leave these    areas uncovered while testing.




#### 4. Installation & Assembly

- a. Install OE spring and Sonnax valve.
- b. Measure the depth of the valve body boost sleeve bore.
  - If the depth is more than 1.5", install the spacer into the bore with the smaller outer diameter facing into the bore.
  - If the depth is less than 1.5", do not install the spacer.
- c. Install Sonnax boost valve and sleeve assembly.
- d. Reinstall OE retaining clip.

#### 5. Vacuum Testing #2

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

**NOTE:** Leave these  areas uncovered while testing.

