

### Oversized Solenoid Pressure Regulator or Converter Relief Valve

**Part No.**  
**46892-03**

**NOTE:** Fits either of two locations.

### Tool Kit

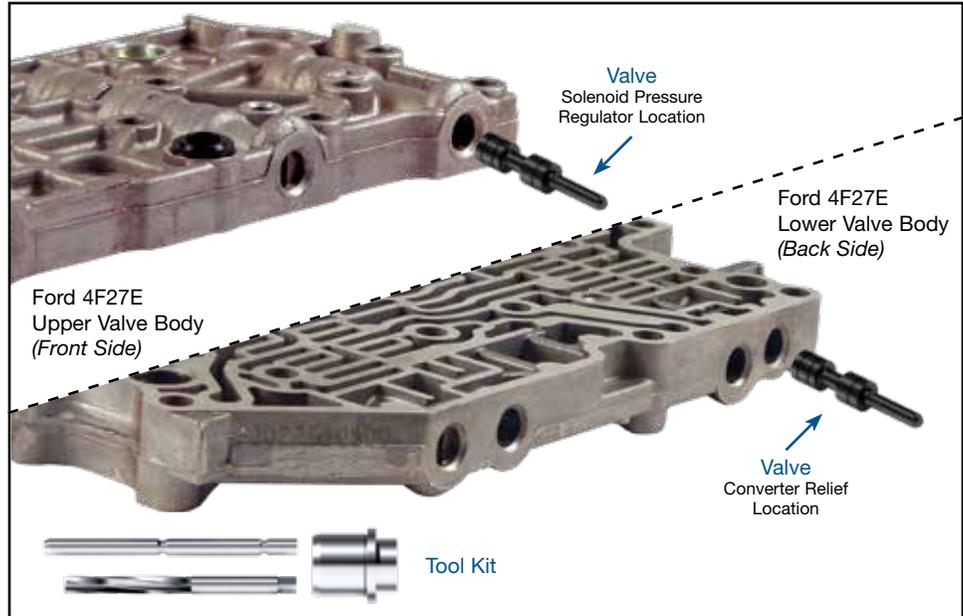
**Part No.**  
**F-46892-TL3**

- 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).



### Ford 4F27E, FNR5; Mazda FN4A-EL, FS5A-EL



#### 1. Disassembly

- Remove OE retainer and spring and set aside for reuse.
- Remove and discard OE valve.



**CAUTION:** If OE converter relief valve from lower valve body has three spools, STOP. This is the incorrect valve from the wrong side of the lower valve body (**Figure 1**). Ensure valve removed from lower valve body comes from back side of casting and has two spools (**main picture**).

#### 2. Bore Reaming

Ream solenoid pressure regulator bore or converter relief bore (for reaming instructions/reamer care, please visit [www.sonnax.com](http://www.sonnax.com)). Sonnax reaming tool kit **F-46892-TL3** and **VB-FIX** are required for this operation.

#### 3. Installation & Assembly

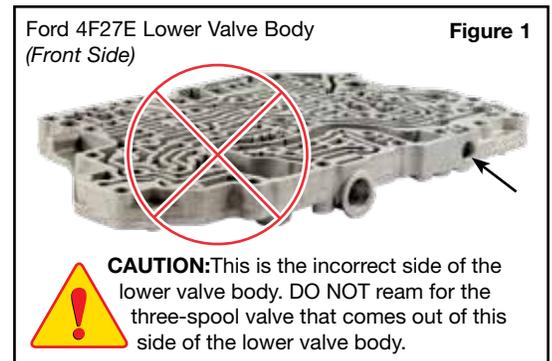
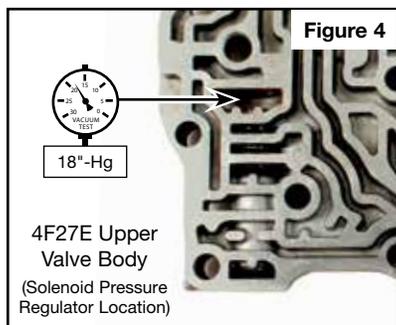
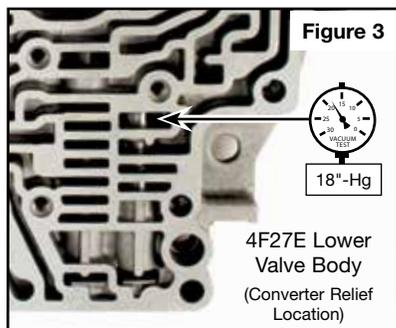
- Install Sonnax valve.
- Reinstall OE spring and retainer.



**CAUTION:** If replacing both valves, be sure to assemble springs in correct bore (**Figure 2**).

#### 4. Final Testing

Vacuum testing at the port(s) indicated holds the recommended minimum 18 in-Hg (**Figures 3 & 4**).



**Figure 2**

Spring Dimensions	Converter Relief Valve	Solenoid Pressure Regulator Valve
Free Length	1.668"	1.730"
Outside Dia.	.354"	.346"
Wire Dia.	.051"	.043"