

Oversized Pressure Regulator Valve Kit

Part No.
46892-01K



- Valve
- End Plug Ford Only

CAUTION! Follow OE recommended torque sequence and amounts to prevent sticking of pressure regulator valve (**Figure 1**).

Tool Kit

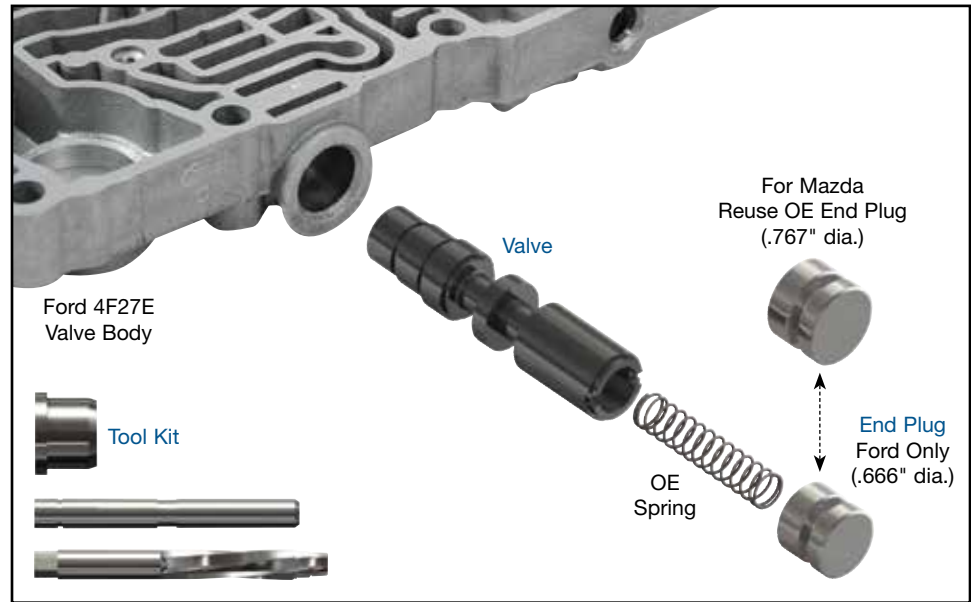
Part No.
F-46892-TL



- 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.

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



1. Disassembly

Ford Applications: Remove OE valve train and discard valve and end plug, keeping OE spring and retainer for reuse.

Mazda Application: Remove OE valve train and discard valve, keeping OE spring, end plug and retainer for reuse (Sonnax end plug will not be used for this application).

2. Bore Reaming

Ream pressure regulator bore (for reaming instructions/reamer care, please visit www.sonnax.com). Sonnax reaming tool kit **F-46892-TL** and **VB-FIX** are required for this operation.

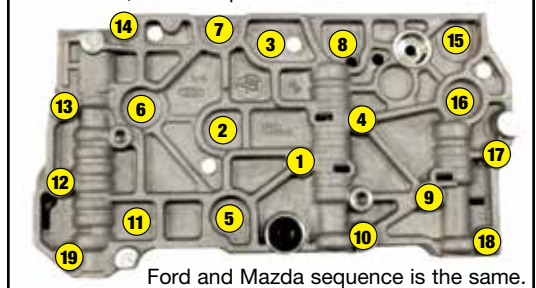
3. Installation & Assembly

- Install Sonnax valve, fully seating in bore.
- Reinstall OE spring into valve spring pocket.
- Ford:** Install Sonnax end plug.
Mazda: Reinstall OE end plug.
- Reinstall OE retainer.

4. Final Testing

A vacuum test at port indicated holds 18 in-Hg or more (**Figure 2**).

Figure 1 Tighten nineteen valve body bolts to 69–80 in-lb, in the sequence shown.



Ford and Mazda sequence is the same.

Figure 2 Ford 4F27E Valve Body

