

### Oversized Line-to-Lube Pressure Regulator Valve Kit

**Part No.**  
**36424-16K**



- Pressure Regulator Valve
- Boost Valve
- Boost Sleeve
- Outer Spring
- O-Rings (3) 1 Extra

Patent No. 6,826,908

**NOTE:** Fits Ford E4OD and 4R100 with F1, F5, F8 and E9 stamped pump castings.

### Tool Kit

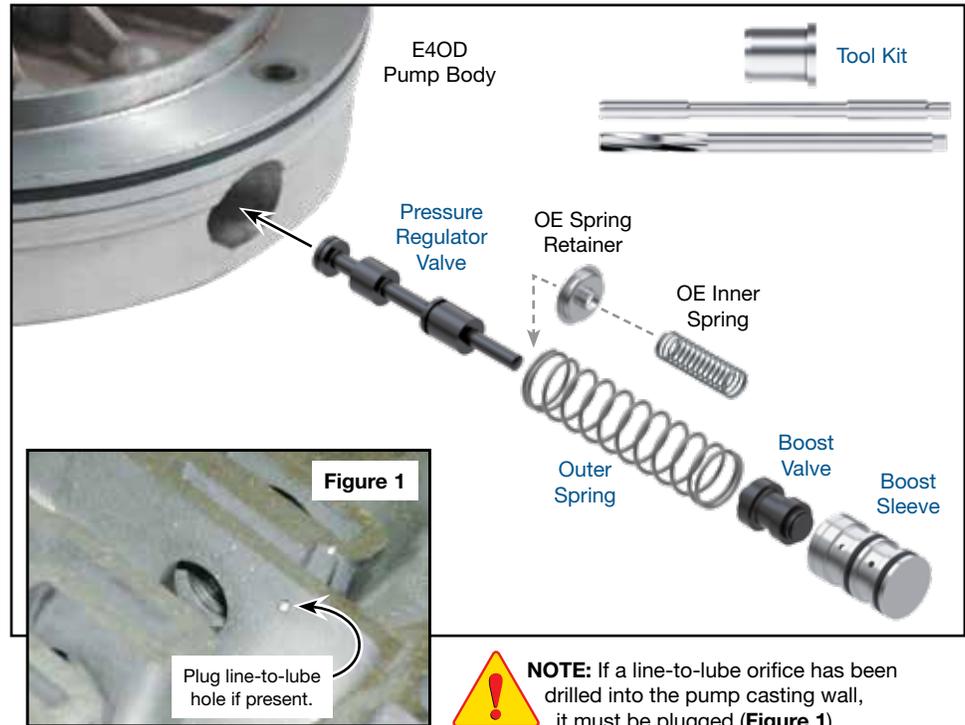


**Part No.**  
**F-36424-TL16C**

- Carbide 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 E4OD, 4R100



### 1. Disassembly

- Remove and discard OE boost valve assembly, outer (large) spring and pressure regulator valve.
- Remove and save the OE retainer clip, inner (small) spring and the spring retainer for reuse.

### 2. Bore Preparation

Ream pressure regulator bore (for reaming instructions/reamer care, please visit [www.sonnax.com](http://www.sonnax.com)). Sonnax reaming tool kit **F-36424-TL16C** and **VB-FIX** are required for this operation.

### 3. Installation & Assembly

- Thoroughly clean pump body and bore of debris.
- Install Sonnax pressure regulator valve.
- Reinstall OE spring retainer (large washer) and small inner spring.
- Install Sonnax large outer spring.
- Install O-rings on Sonnax boost sleeve. Lubricate and roll on clean bench to size O-rings into grooves.
- Install Sonnax boost valve and sleeve assembly and secure with OE retainer.

### 4. Final Testing

Vacuum testing at the port(s) indicated holds the recommended minimum 18 in-Hg (**Figure 2**).

**NOTE:** Values are with OE valve in place. Due to integral line-to-lube design in the Sonnax pressure regulator valve, vacuum testing may not be possible without modification.

