

## Oversized Pressure Modifier Valve

**Part No.**  
**74846-04**

## Tool Kit

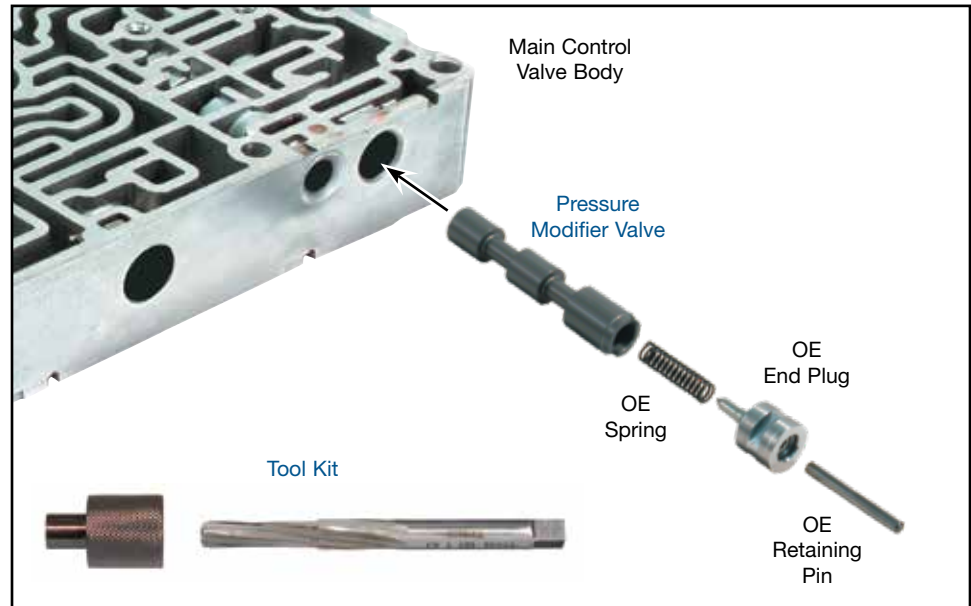
**Part No.**  
**74846-TL4**

- Reamer
- Reamer Jig



**NOTE:** This tool is no longer in production. Check with your distributor for availability.

## Mazda GF4A-EL



### 1. Disassembly

- Remove all OE components from the bore.
- Discard OE modifier valve and save all other components for reuse.

### 2. Bore Reaming

Ream pressure modifier bore (for reaming instructions/reamer care, please visit [www.sonnax.com](http://www.sonnax.com)). Sonnax reaming tool kit **74846-TL** is required for this operation.

### 3. Installation & Assembly

- Be certain all debris has been removed from the valve bore and valve body.
- Lubricate the bore and Sonnax valve prior to installation.
- Install Sonnax valve.
- Reinstall OE spring, end plug and retaining pin.
- The end plug has an adjustable Allen screw to fine-tune the spring height. This should be set to factory specifications. Turning the screw inwards raises EPC output. As a starting point, check to see that the screw is set to one of the following:
  - **Inner Measure:** Inside face of plug to tip of adjuster screw = .384-.410".
  - **Outer Measure:** Outside face of plug down to top of Allen screw = .020-.040".

### 4. Final Testing

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

