

**Chrysler 42RE, 42RH, 46RE, 46RH,  
47RE, 47RH, 48RE, A727, A904**

**Lube Regulated  
Pressure Regulator  
Valve**

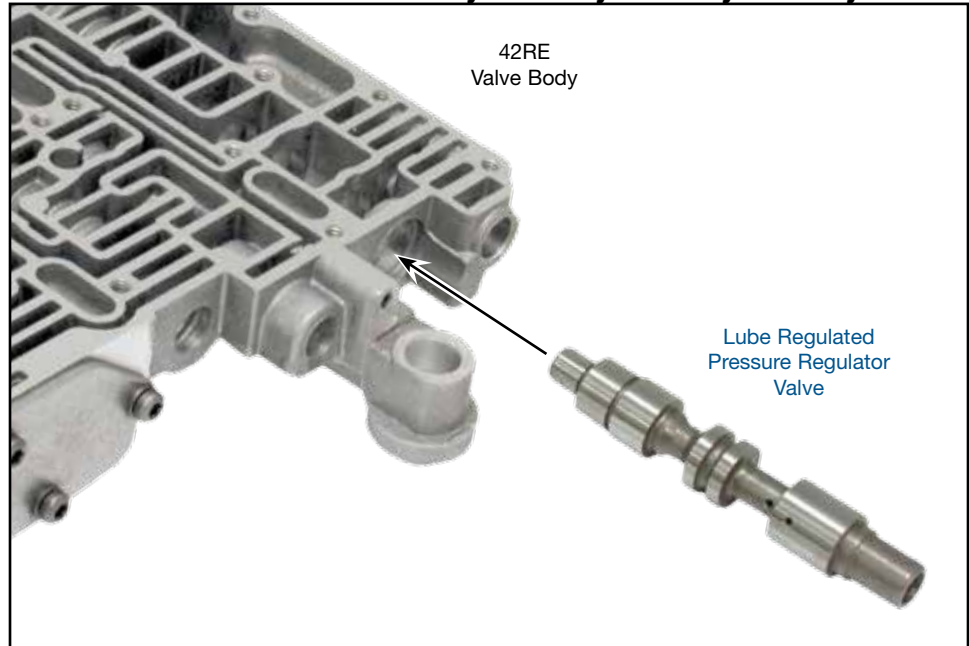
**Part No.**

**22771A-02K**

Patent No. 6,712,726

**NOTE:** Fits '78-Later only (**Figure 1**)

Sonnax pressure regulator valve and manual valve (available separately) can be used independently, but are of greatest benefit when used as a pair.



**'77-Earlier Pressure Regulator Valve**



**NOTE:** Do not use Sonnax valve if this style of OE valve is equipped.

**'78-Later Pressure Regulator Valve**

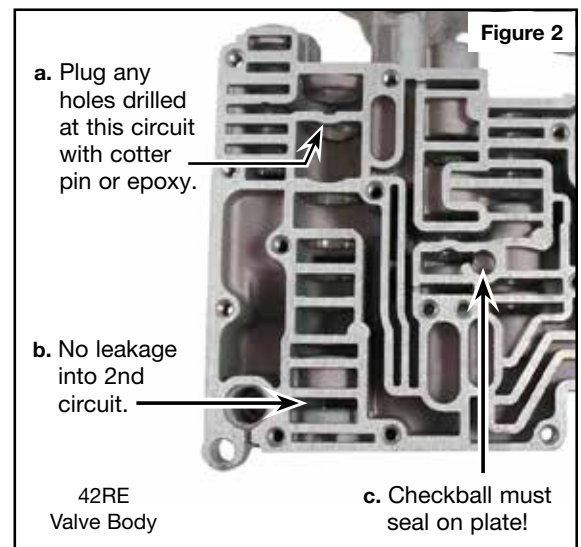


**Figure 1**

**1. Valve Body Inspection**

(**Figure 2**)

- a. If a line-to-lube hole has been drilled in the pressure regulator valve circuit, it should be plugged to reduce converter drainback.
- b. Inspect the line pressure plug and sleeve. Leakage here will result in poor line pressure control.
- c. Inspect the TV checkball separator plate seat. Leakage here may produce stacked shifts and/or no kickdown.



**Figure 2**

## TRANSMISSION PARTS

### LUBE REGULATED PRESSURE REGULATOR VALVE 22771A-02K

### Instructions

#### 2. Disassembly

- Remove OE detent assembly and spring retainer bracket and save for reuse (**Figure 3**).
- Remove and discard OE pressure regulator valve.



**NOTE:** The Sonnax pressure regulator valve is a two-piece design that is held together with a retaining ring. Before installation, verify retaining ring is seated securely (**Figure 4**).

#### 3. Installation & Assembly

- Install Sonnax pressure regulator valve.
- Adjust pressure regulator adjusting screw so that there is a .300"–.350" gap between the inside of the plates (**Figure 5**).
- Line pressure can be verified with a gauge after installation (pressure tap on passenger side, middle of case, between accumulators). Line pressure should be 62–65 psi idle in Drive.



**IMPORTANT:** Line pressure in excess of 80 psi may cause binding due to cross-leaks and excessive throttle sensitivity.



**NOTE:** To prevent converter slippage, restricted cooler flow and possible hydraulic noise, remove the cooler line drainback valve.

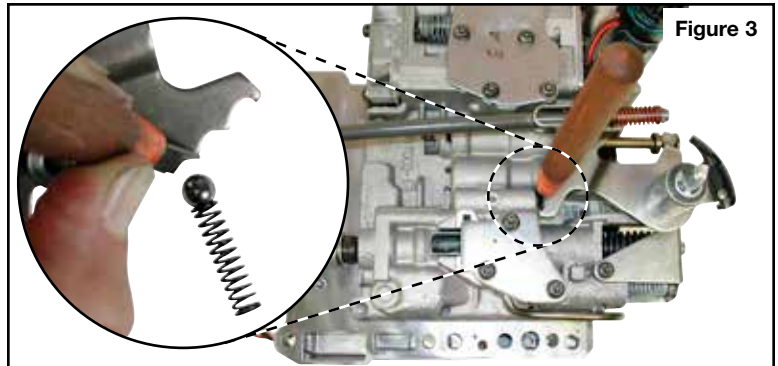


Figure 3

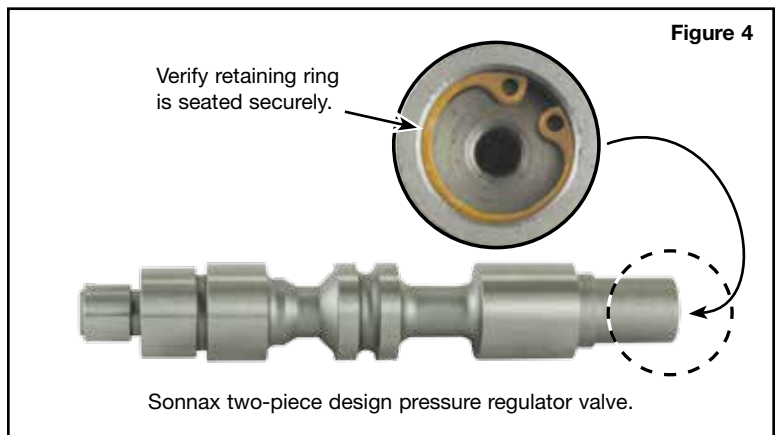


Figure 4

Sonnax two-piece design pressure regulator valve.

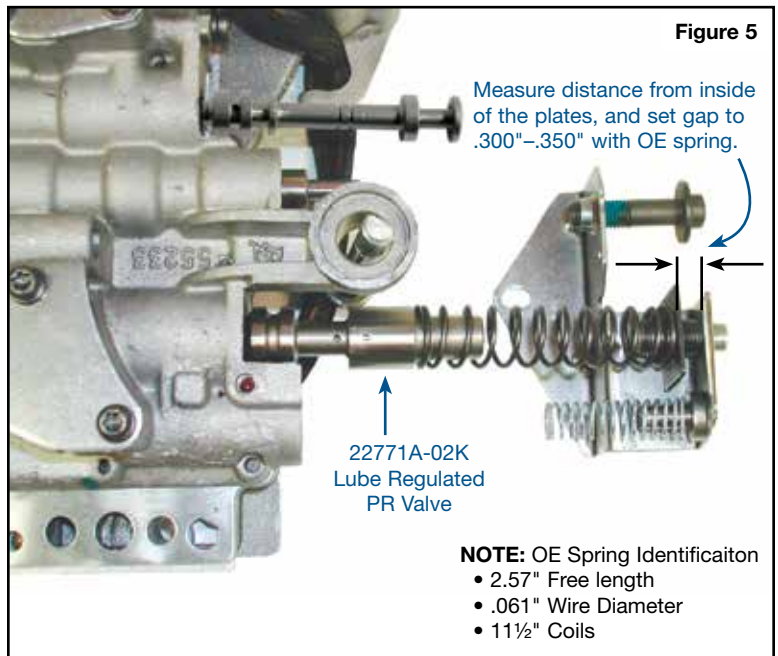


Figure 5

Measure distance from inside of the plates, and set gap to .300"–.350" with OE spring.

22771A-02K  
Lube Regulated  
PR Valve

**NOTE:** OE Spring Identificaiton

- 2.57" Free length
- .061" Wire Diameter
- 11½" Coils