

Chrysler 42RE, 42RH, 44RE, 44RH, 46RE, 46RH, 47RE, 47RH, A727, A904

Oversized Lube Regulated Pressure Regulator Valve Kit

Part No.
22771A-07K



- Valve
- Plug
- Spring

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.

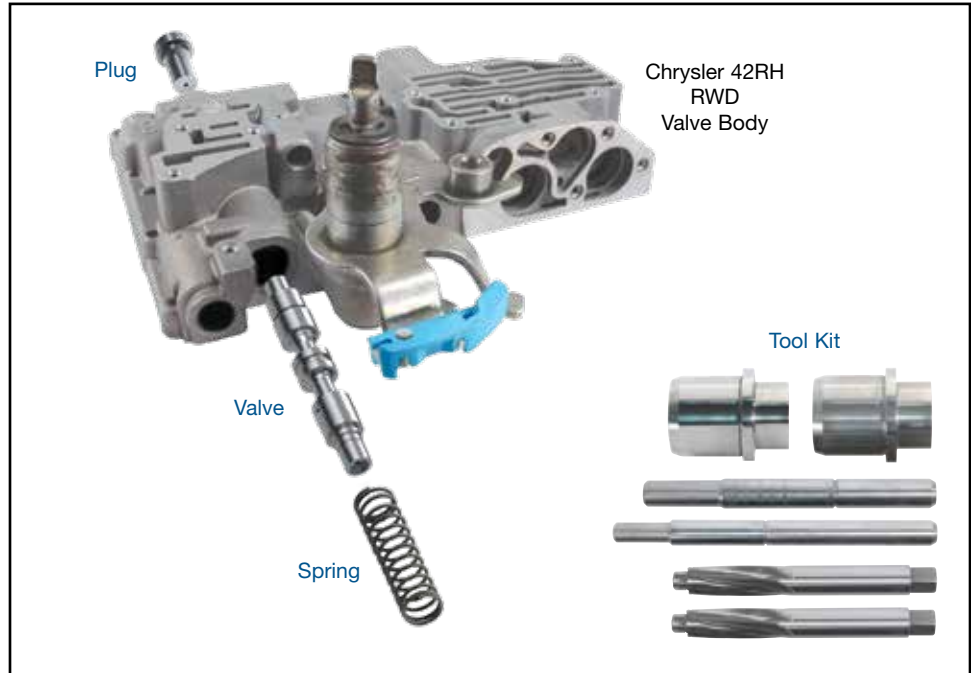
Tool Kit

Part No.
F-22771A-TL7



- Reamers (2)
- Jigs (2)
- Guide Pins (2)

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.



'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)

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

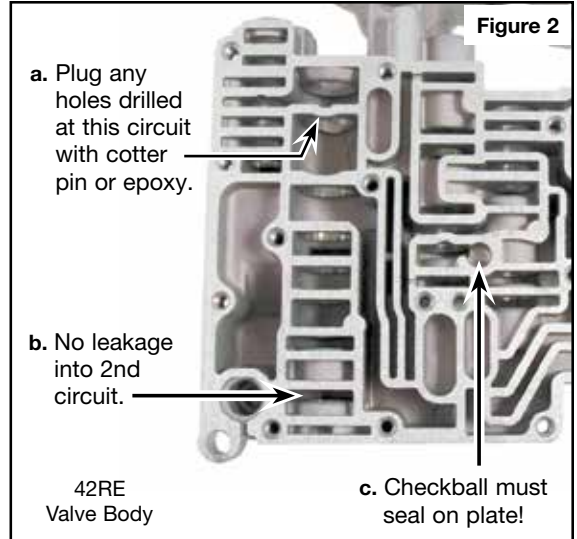


Figure 2

a. Plug any holes drilled at this circuit with cotter pin or epoxy.

b. No leakage into 2nd circuit.

42RE Valve Body

c. Checkball must seal on plate!

2. Disassembly

- Remove OE detent assembly and spring retainer bracket and save for reuse (**Figure 3**).
- Remove and discard OE pressure regulator spring and valve.
- Remove OE end plate on the opposite side of the bore, then the OE line pressure plug and sleeve, throttle pressure plug and spring (**Figure 2**). Discard throttle pressure plug and retain other components for reuse.

3. Bore Reaming

Ream pressure regulator and throttle pressure plug bores (for reaming instructions/reamer care, please visit www.sonnax.com). Sonnax reaming tool kit **F-22771A-TL7** and **VB-FIX** are required for this operation.

- For pressure regulator bore, use jig **F-22771A-RJ** and guide pin **F-22771A-GP**, then bore with reamer **F-22771A-RM**.
- For throttle pressure plug bore, use jig **F-22771A-RJ2** and guide pin **F-22771A-GP2**, then bore with reamer **F-22771A-RM2**.

4. Installation & Assembly

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**).

- Thoroughly clean valve bore and valve body of all debris.
- Install the Sonnax lube regulated pressure regulator valve, spring and OE spring retainer bracket (**Figure 5**).
- At the opposite end of the bore, install the OE spring, Sonnax throttle pressure plug and the OE pressure plug and sleeve assembly.
- Reinstall OE end cap.
- Adjust the pressure regulator adjusting screw so that there is a .300–.350" gap between the inside of the plates (**Figure 4**).
- Line pressure can be verified with a gauge after installation (pressure tap on the passenger side, middle of the case, between accumulators). Line pressure should be 62–65 psi idle at Drive.

NOTE: 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.

5. Final Testing

Vacuum testing at the port(s) indicated holds the recommended minimum 15 and 18 in-Hg.

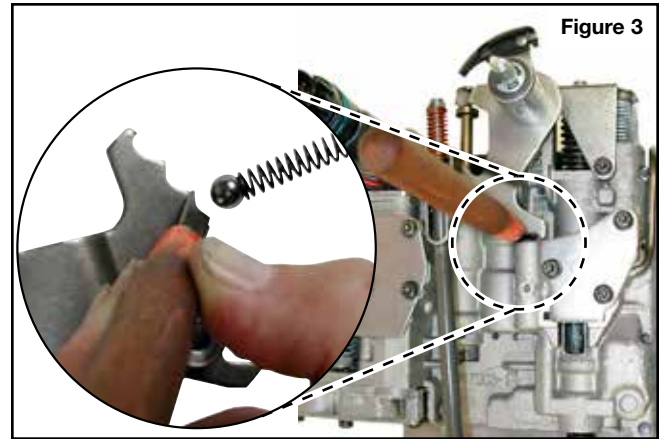


Figure 3

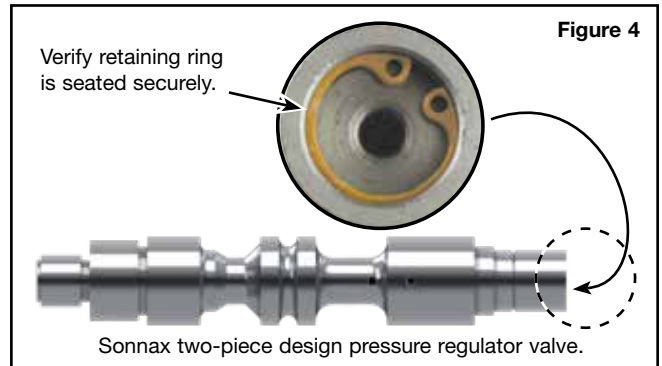


Figure 4

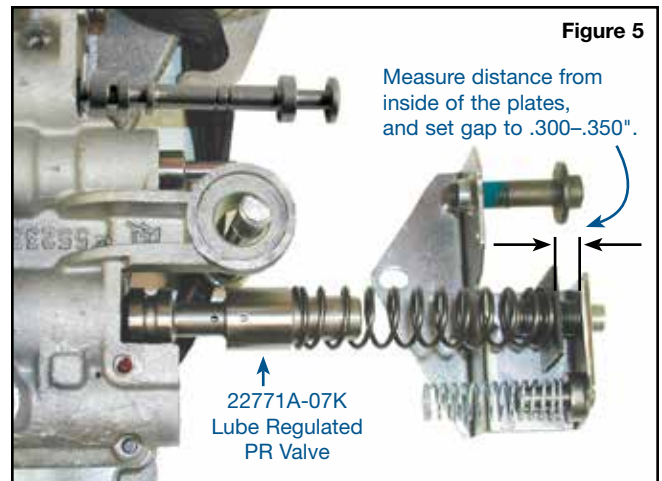


Figure 5

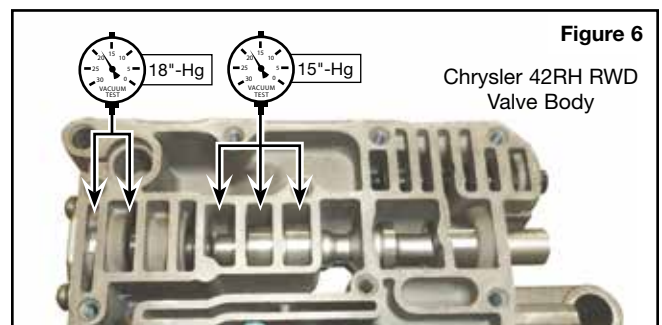


Figure 6

Chrysler 42RH RWD Valve Body