

Oversized Converter Charge Regulated Pressure Regulator Valve Kit

Part No.
98892-13K

- Valve
- Light Spring, Selective Red, .071" wire dia.
- Heavy Spring, Selective Green, .075" wire dia.

Patent No. D755,250

NOTE: This kit fits various Honda 4/5 speed models. However, model to model, the appearance of valve bodies and the location of the pressure regulator valve bore may vary. The MAXA '98-'02, 2.3L Accord model is illustrated here.

This kit fits Honda/Acura 4/5 speed applications **except:** A6VA, AOYA, BOYA, MPOA, MPJA, APXA, MPXA, MP1A, PX4B, MPRA, RO, MPZA, M5HA, M1WA, M5DA, MPWA, MPYA.

Tool Kit

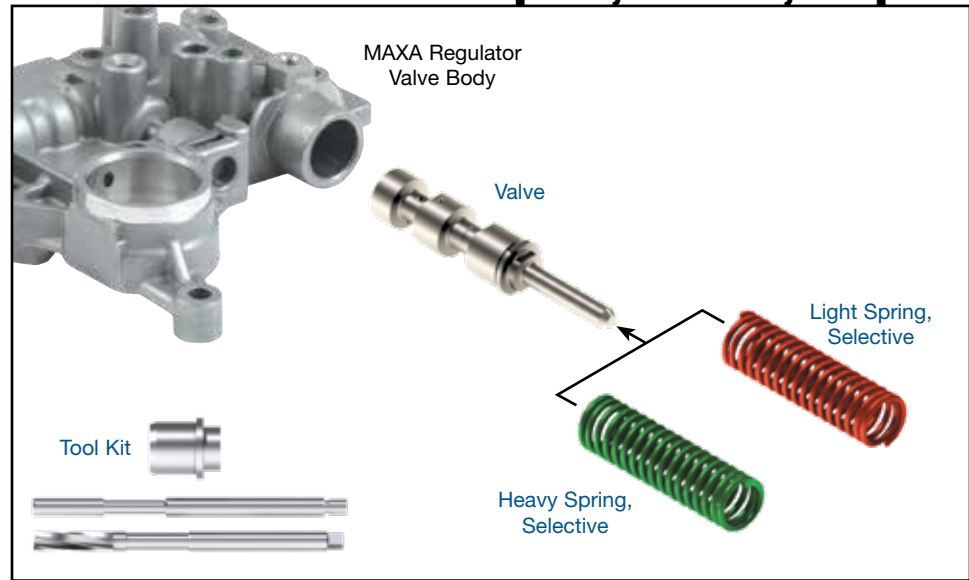
Part No.
F-98892-TL13

- 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.



Honda/Acura 4-Speed, 3-Shaft, 5-Speed



CAUTION: The main PR valve is secured with relatively high spring force. Exercise caution when removing the retaining bolt and regulator spring cap; these parts can eject from the valve body with strong force and high speed, causing injury or property damage.

1. Disassembly

- Remove OE retaining bolt and set aside for reuse (*see 'Caution' above before this step!*).
- Remove OE regulator spring cap, stator reaction spring, valve spring(s) and main pressure regulator valve.
- Discard OE main pressure regulator valve and outer valve spring; save all other components for reuse.



NOTE: Examine the valve body casting walls adjacent to the pressure regulator valve bore. Plug any holes drilled through the casting walls with epoxy.

2. Bore Reaming

- Ream pressure regulator bore (for reaming instructions/reamer care, please visit www.sonnax.com). Sonnax reaming tool kit **F-98892-TL13** and **VB-FIX** are required for this operation.

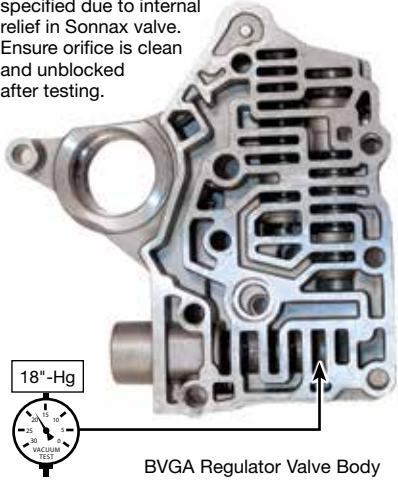
3. Installation & Assembly

- Ensure valve bore and regulator body are clean and clear of debris.
- Install Sonnax valve with the spring guide facing out (as pictured in main photo).
- Reinstall OE inner valve spring, where applicable.
- Select appropriate Sonnax outer valve spring (**Figure 1**) and install over OE inner valve spring.
- Reinstall OE stator reaction spring, followed by OE regulator spring cap.
- Push OE spring cap inward to expose the retaining slot, then reinstall OE retaining bolt.

Figure 1

Outer Spring Selection Chart	
OE Wire Diameters	Use Sonnax Spring
.071"	Red (.071" dia.)
.072"	Red (.071" dia.)
.073"	Green (.075" dia.)
.074"	Green (.075" dia.)
.075"	Green (.075" dia.)

Figure 5
Block balance orifice on oversized Sonnax valve spool during testing of this port. Note that only one location is specified due to internal relief in Sonnax valve. Ensure orifice is clean and unblocked after testing.



4. Final Testing

Vacuum testing at the port(s) indicated holds the recommended minimum 18 in-Hg (Figure 5).

Sonnax -vs- OE Valve Operation

OE Valve: Regulating Position

Flow goes to lube/relief valve and converter.

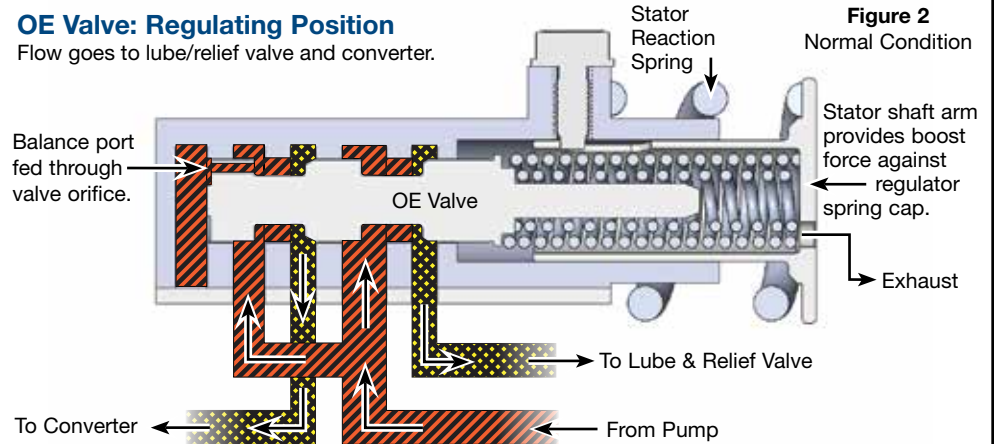


Figure 2

Normal Condition

OE Valve: Out of Position

Converter and lube circuits are shut off.

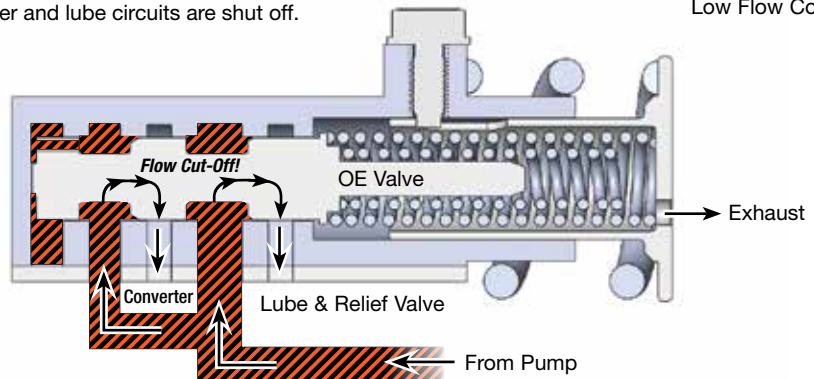


Figure 3

Low Flow Condition

Sonnax Valve

Internal relief valve still provides flow to converter before converter charge circuit is fully open.

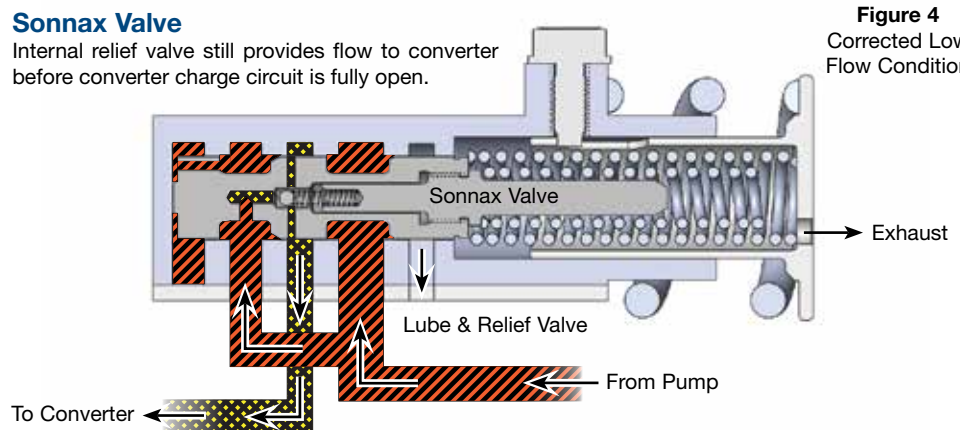


Figure 4

Corrected Low Flow Condition