

# Oversized Converter Charge Regulated Pressure Regulator Valve Kit

**Part No.**  
**98892-13K**

- Valve
- Light Spring, Selective **Red**
- Heavy Spring, Selective **Green**

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.

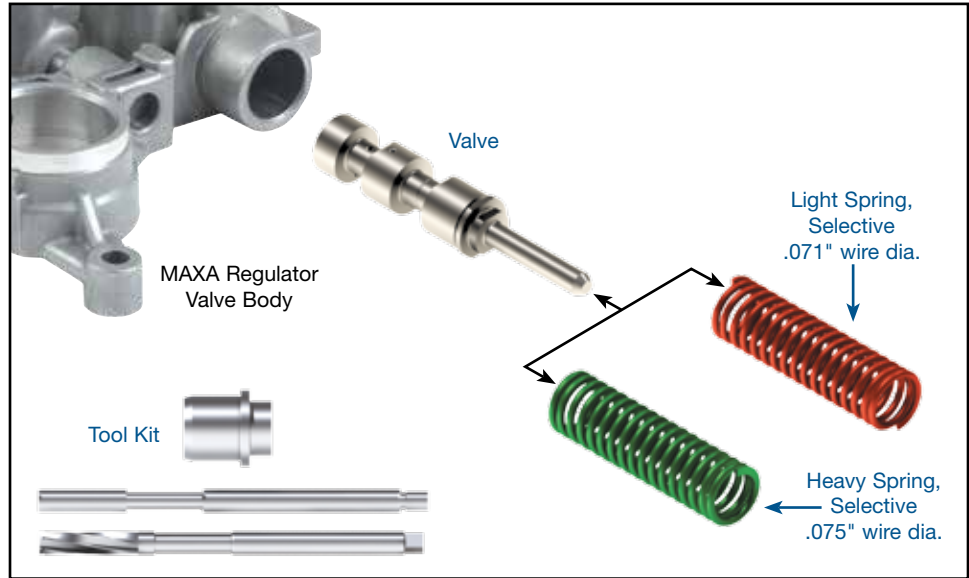
This kit fits Honda/Acura 4/5 speed applications **except:** A6VA, AOYA, BOYA, MPOA, MPJA, APXA, MPXA, MP1A, PX4B, MPRA, RO, MPZA, M5HA, M1WA, M5DA, MPWA, MPYA.

## 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](http://www.sonnax.com).



**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](http://www.sonnax.com)). Sonnax reaming tool kit **F-98892-TL13** and **VB-FIX** are required for this operation.

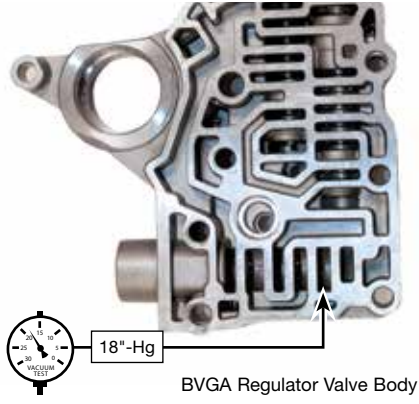
### 3. Installation & Assembly

- 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.) |

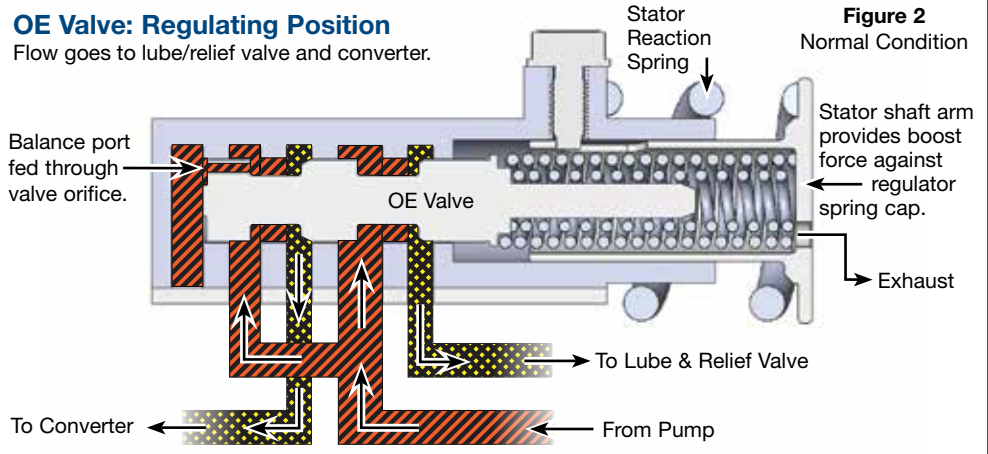
Block balance orifice on valve spool during testing of this port. Ensure orifice is clean and unblocked after testing.



**Sonnax -vs- OE Valve Operation**

**OE Valve: Regulating Position**

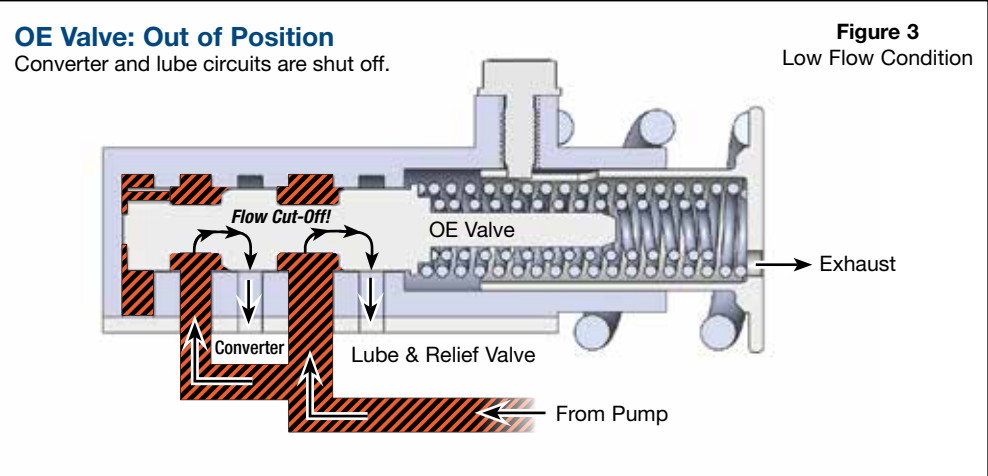
Flow goes to lube/relief valve and converter.



**Figure 2**  
Normal Condition

**OE Valve: Out of Position**

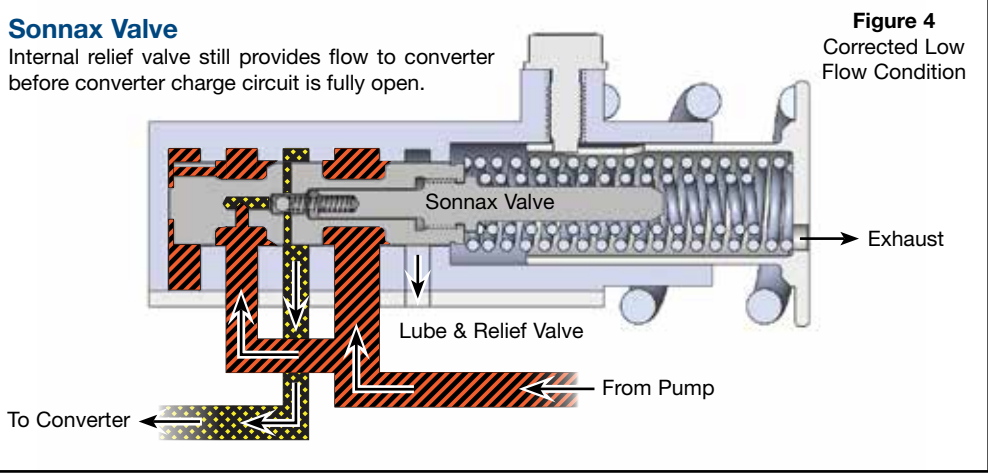
Converter and lube circuits are shut off.



**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

**4. Final Testing**

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