

**Oversized Converter Feed Limit Valve**

**Part No.**  
**104520-11**



**Tool Kit**

**Part No.**  
**F-104520-TL11C**

- Carbide 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).

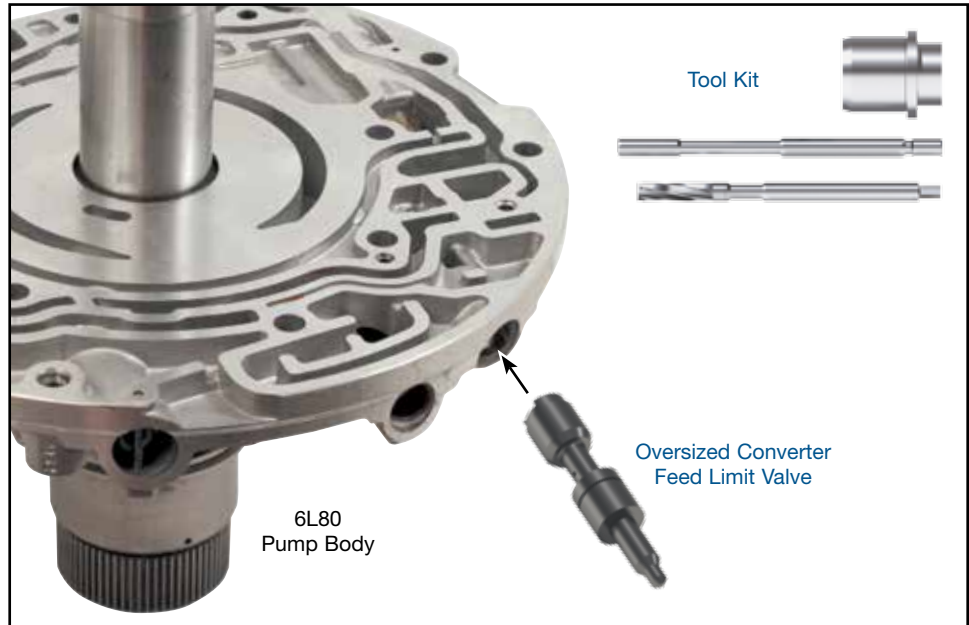
**Required**

**Oversized Pump Base Plate**  
**VB-06**



**NOTE:** Use of the **VB-06** is required with the **VB-FIX** reaming fixture for this installation unless the stator support shaft is removed from the pump body.

**GM 6L45, 6L50, 6L80, 6L90**



**1. Disassembly**

- Remove OE retaining clip and spring, save both for reuse.
- Remove and discard OE converter limit valve.

**2. Reaming**

Ream converter feed limit bore (for reaming instructions/reamer care, please visit [www.sonnax.com](http://www.sonnax.com)). Sonnax reaming tool kit **F-104520-TL11C** and **VB-FIX** are required for this operation.



**NOTE:** Requires the use of Sonnax pump plate **VB-06** with the **VB-FIX**, unless the stator support shaft is removed from pump body.

**3. Installation & Assembly**

- Install Sonnax valve with the spring guide facing out as shown in main photo.
- Reinstall OE spring, ensuring the spring goes over the valve spring guide.
- Reinstall OE retaining clip.

**4. Final Testing**

Vacuum testing at the port indicated holds the recommended minimum 20 in-Hg.

