

**Oversized Clutch Latch Valve**

**Part No.**  
**144740-21**

**NOTE:** Fits any of four locations.

**Tool Kit**

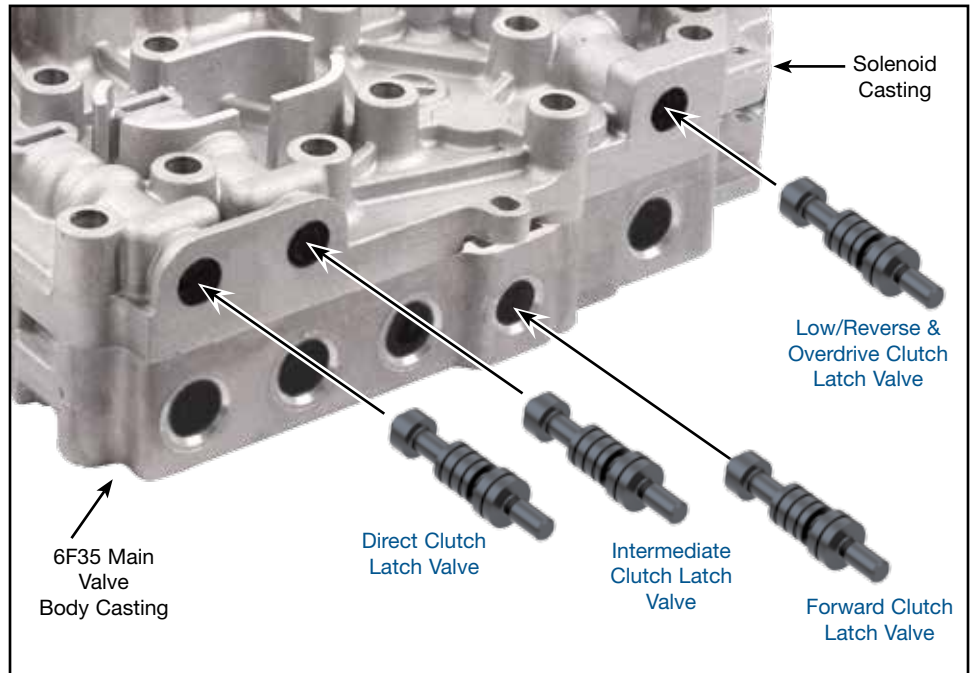
**Part No.**  
**F-144740-TL21**

- 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).



**Ford 6F35 (Gen. 1), 6F35 (Gen. 2)**



**1. Disassembly**

- Slide out OE spring retainer plate and remove OE spring, setting both aside for reuse.
- Remove and discard OE clutch latch valve.
- Thoroughly clean valve bore before reaming.

**2. Bore Reaming**

Ream clutch latch valve bore (for reaming instructions/reamer care, please visit [www.sonnax.com](http://www.sonnax.com)). Sonnax reaming tool kit F-144740-TL21 and VB-FIX are required for this operation.

**3. Installation & Assembly**

- Be certain all debris has been removed from valve bore and valve body.
- Install Sonnax oversized clutch latch valve, large spool outboard.
- Reinstall OE spring.
- Reinstall OE spring retainer plate.

**4. Final Testing**

Vacuum tests at the ports indicated hold the recommended minimum 14 in-Hg.

