

### Oversized Clutch Boost/Latch Valve

**Part No.**  
**144740-23**

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



### Tool Kit

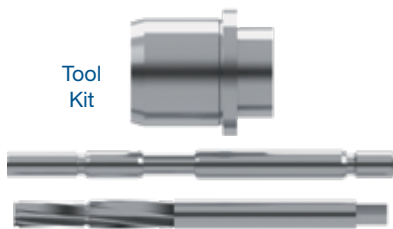
**Part No.**  
**F-144740-TL22**

- Reamer
- Reamer Jig
- Guide Pin

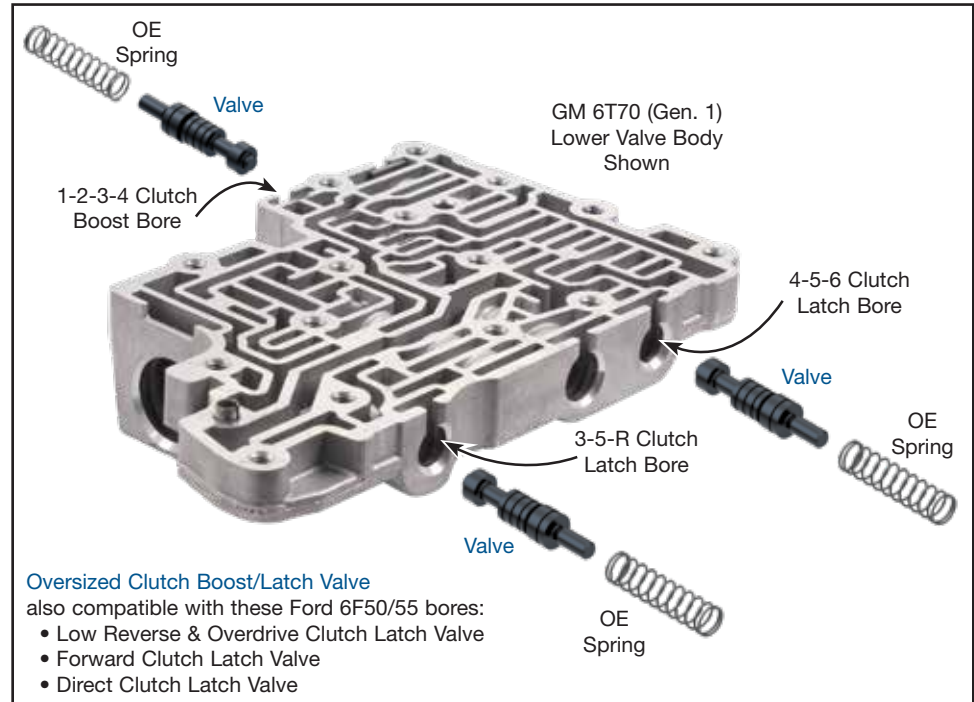


**NOTES:** This tool kit can also be used to prepare various bores. Please visit [www.sonnax.com](http://www.sonnax.com) for further details.

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 6F50, 6F55; GM 6T70 (Gen. 1), 6T75 (Gen. 1)



#### 1. Disassembly

- Remove OE valve train from target bore.
- Set aside OE spring and retainer for reuse. Discard OE valve.
- Thoroughly clean the bore before reaming.

#### 2. Bore Reaming

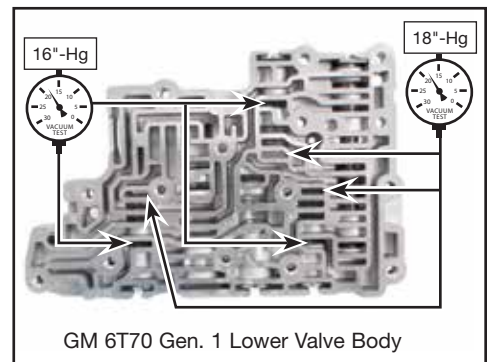
Ream clutch boost/latch valve bore (for reaming instructions/reamer care, please visit [www.sonnax.com](http://www.sonnax.com)). Sonnax reaming tool kit **F-144740-TL22** and **VB-FIX** are required for this operation.

#### 3. Installation & Assembly

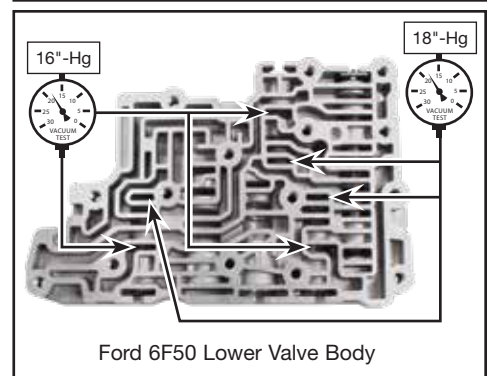
- Be certain all debris has been removed from valve bore and valve body.
- Install Sonnax valve into bore with spring stem oriented outboard.
- Install OE spring. Ensure spring is seated over valve spring stem.
- Install OE retainer, small tab outboard.

#### 4. Final Testing

Vacuum testing at the port(s) indicated holds the recommended minimum 16 in.-Hg.



GM 6T70 Gen. 1 Lower Valve Body



Ford 6F50 Lower Valve Body