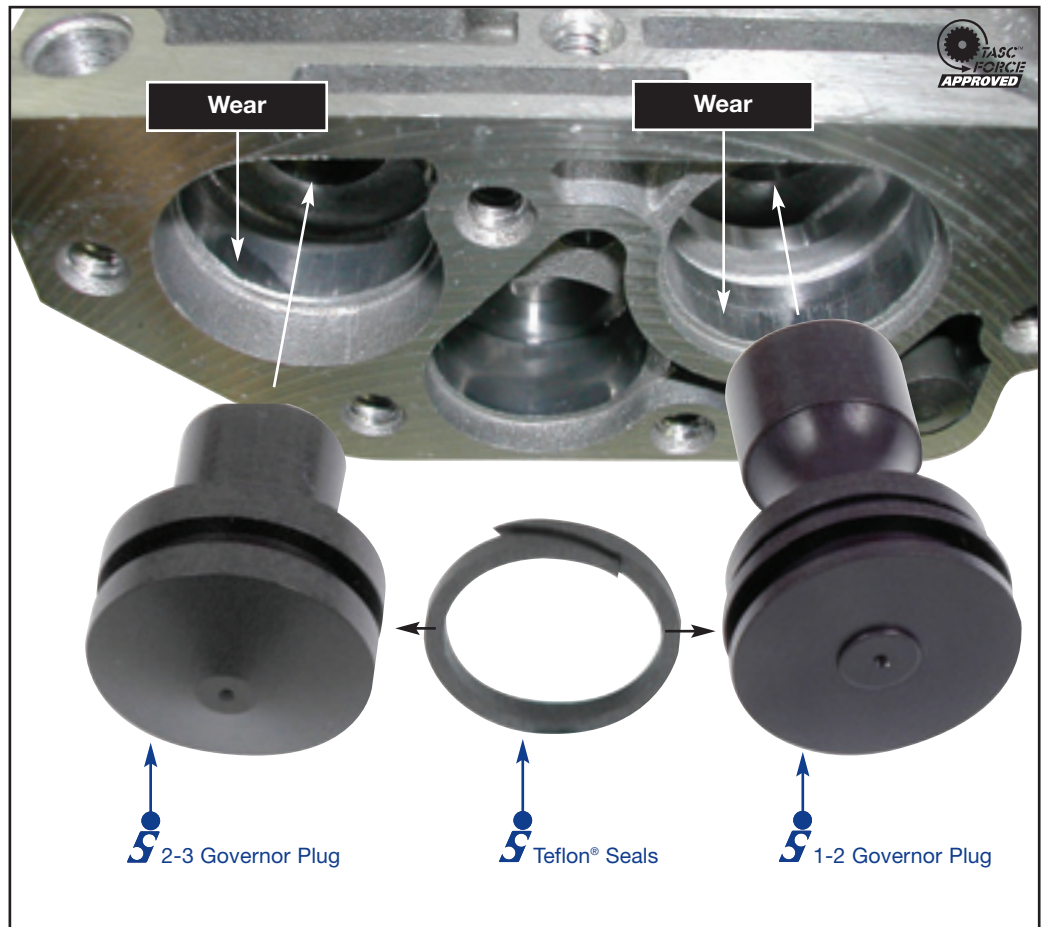


## Governor Bore Plug Kit

### 22771-14K

1, 1-2 Governor Plug  
1, 2-3 Governor Plug  
3 Teflon® Seals

1 Extra



### INSPECTION

Inspect the governor plugs for wear as shown above.

### INSTALLATION

1. Chamfer the leading edge of the bore. The rounded end of a hacksaw blade works well for this. Turn it over the sharp leading edge until the Teflon® seal will insert properly.
2. Bore size the Teflon® seal prior to installation. Insert the pre-lubed Sonnax governor plugs with their seals in the opposite direction of their final assembly.
3. Let plugs stand for several minutes to allow seal to size.
4. Insert plugs in proper direction and stroke through entire travel numerous times.

### Notes:

Always flat stone and resurface castings to within .004" maximum warpage (see *Figure 2*). The fading away of the print pattern illustrates cross leaks.

Always use a sealant on the end housings and plates (see *Figure 3*). We suggest using Loctite™ 518, allowing for sufficient cure time. To avoid excess sealant, wipe a film over a flat surface and set the casting onto the film.

### Other concerns

- 2nd gear starts
- Line pressure may be too high, governor solenoid may be flooded or defective, or there may be cross leaks at the overdrive support area at the rear of the case.

### Sensitive throttle pressure, late upshifts:

The Sonnax accumulator repair kit **22841-01K** eliminates TV cross leaks that affect upshifts, create TV instability and hydraulic noise.

### Sensitive or shuttle shifts:

- Inspect the throttle plunger sleeve and the inner throttle valve bore for wear.
- If the inner bore is worn, install the Sonnax oversized throttle valve kit **22771-02K** after reaming the bore.
- Use plastic checkballs on the separator plate. No damage or leakage should be visible at the ball seat over the throttle valve bore.



Figure 2



Figure 3