

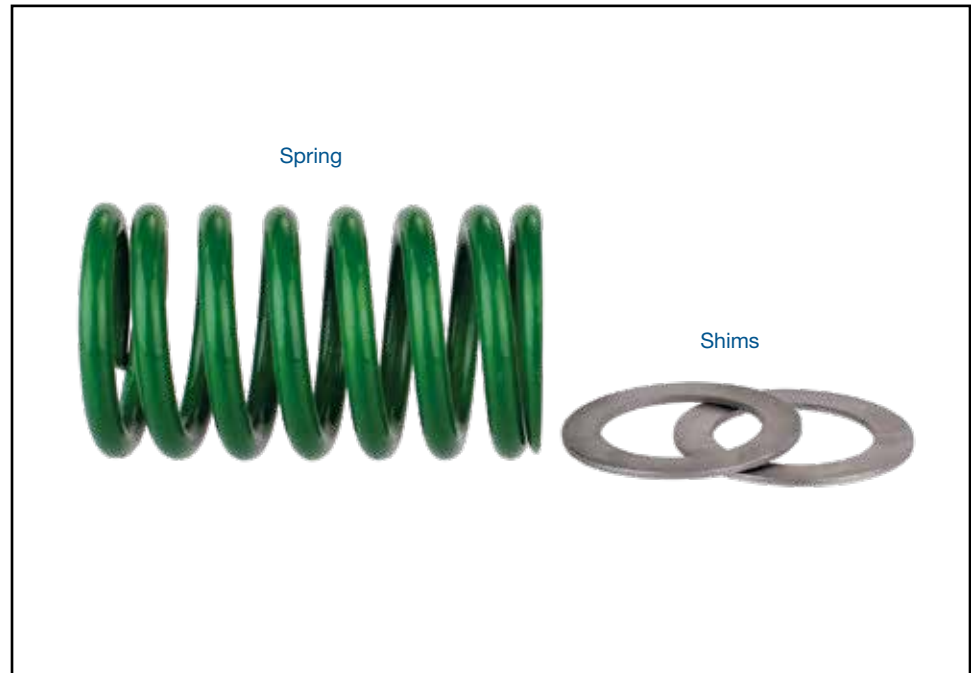
## Race-Calibrated Servo Return Spring Kit

### Part No.

**28133-HD**

- Spring
- Shims (2)

## GM Powerglide



### Spring

The Sonnax spring is intended to be used with line pressures from 200-275 psi and assumes a case spring pocket depth from gasket surface to inner spring seat of 3.090".

### Shim(s)

- Adding shims increases release spring tension for quicker initial release and are needed to offset the pin-bias force created by higher transmission pressures. Reference Sonnax tech article "Powerglide<sup>®</sup> Servo Pin Bias Effect" at [www.sonnax.com](http://www.sonnax.com) for more information on this issue.
- No shims are required for pressures from 200-225 psi.
- Add one shim for pressure around 250 psi.
- Add two shims for pressure around 275 and higher.

### Band Adjustment (if all else remains the same)

- More turns out of adjuster sets the servo deeper into the case when applied and increases release spring tension for quicker initial release.
- Fewer turns out of adjuster sets the servo less deep in the case and decreases release spring tension for slower initial release.

### Line Pressure (if all else remains the same)

- **Higher Line** = slower release of the servo (due to pin bias effect) and quicker apply of the high clutch.
- **Lower Line** = faster release of the servo (and slower apply of the high clutch).