

COMPLAINT

SECONDARY COMPLAINTS

High line pressure and harsh shifts

- Harsh forward/reverse engagement • Pump warpage • Poor line response

CAUSE

Bore wear creates high line pressure, which can warp the pump or valve body and limit converter feed, which causes delayed engagement.

CORRECTION

This oversized valve kit allows the valve body to be refurbished and restores the line pressure circuit to its proper clearances.

Oversized Pressure Regulator Kit

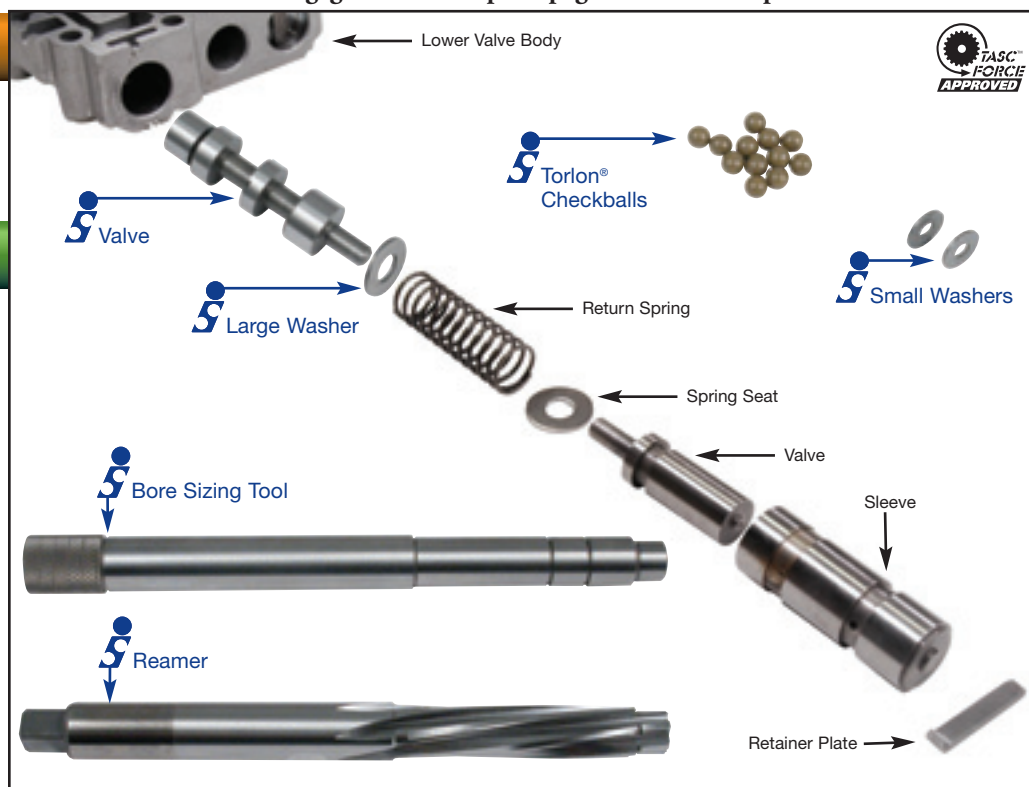
63940-01K

- 1 Valve
- 1 Large Washer
- 2 Small Washers
- 12 Torlon® Checkballs



63940-TL

- 1 Reamer
- 1 Bore Sizing Tool



Sonnax Part Summary

The continuous oscillation of the pressure regulator valve wears the casting bore. If severe wear occurs at the balance line circuit, the pressure regulator valve won't stroke to reduce line pressure. This can result in high line pressure, harsh shifts and harsh engagements. Wear at the other pressure regulator valve circuits can allow line pressure to exhaust or go to sump, resulting in low line pressure, soft shifts and burned clutches and bands. Additionally, problems with the pressure modifier valve can decrease line response and result in soft shifts. Sonnax now offers an oversized pressure regulator valve kit, **63940-01K** for the RE4FO4A and 4F20E applications, which allows the valve bore to be refurbished and the hydraulic integrity of the line pressure circuit to be restored.

Features & Benefits

- Oversized valve allows proper hydraulic clearances to be restored to properly control line pressure.
- Parts kit includes 3 washers for optional line pressure tuning.
- Parts kit includes 12 replacement Torlon® checkballs.
- Tool kit includes easy-to-use, bench-style self-guiding reamer and a bore sizing tool for enhanced surface finish.