

**Oversized
Line-to-Lube
Pressure Regulator
& Boost Valve Kit**

Part No.
34200-36K



- End Plug
- Pressure Regulator Valve
- Pressure Regulator Spring
- Boost Valve
- Boost Sleeve

Patent No. 7,351,176

NOTE: Fits '99-later.

Tool Kit

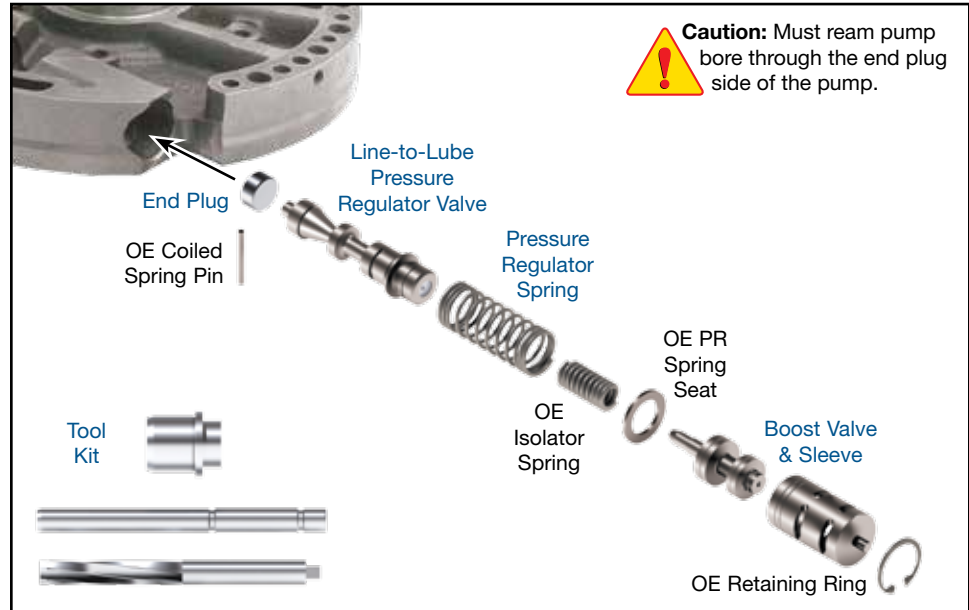
Part No.
F-34200-TL36



- 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.

GM 4L80-E, 4L85-E



Caution: Must ream pump bore through the end plug side of the pump.

1. Disassembly

- Remove OE retaining ring and entire pressure regulator valve lineup from the bore.
- Discard pressure regulator valve, large spring and boost assembly, save retaining ring, pressure regulator spring seat and small isolator spring for reuse.
- Remove and save OE coiled spring pin at the far end of the bore, then remove and discard OE end plug.

2. Bore Reaming

Ream pressure regulator bore (for reaming instructions/reamer care, please visit www.sonnax.com). Sonnax reaming tool kit **F-34200-TL36** and **VB-FIX** are required for this operation.



CAUTION: Place pump on reaming fixture. Must align pump with pressure regulator end plug bore facing the reaming jig. The guide pin enters the pump through the end plug side of the pump.

3. Installation & Assembly

- Install Sonnax end plug and OE coiled spring pin into the far end of the bore. When done, make sure the end plug is pushed back and seated up against the pin.
- Place OE spring seat onto Sonnax pressure regulator valve and place them in the bore.
- Install large Sonnax pressure regulator spring, positioning it up against the seat.
- Place Sonnax boost valve into its sleeve with spring guide pointing out.
- Put small OE isolator spring onto the boost valve spring guide.
- Put boost valve assembly and isolator spring into the bore, far enough to install retaining ring.

4. Final Testing

Vacuum testing at the port(s) indicated holds the recommended minimum 14 in-Hg.

