

## COMPLAINT

SECONDARY COMPLAINTS

## High line pressure, broken parts

• Buzzing noise • Uncontrollable line rise

## CAUSE

Worn boost valve sleeve allows reverse oil leakage and worn end plug causes imbalance of the pressure regulator valve.

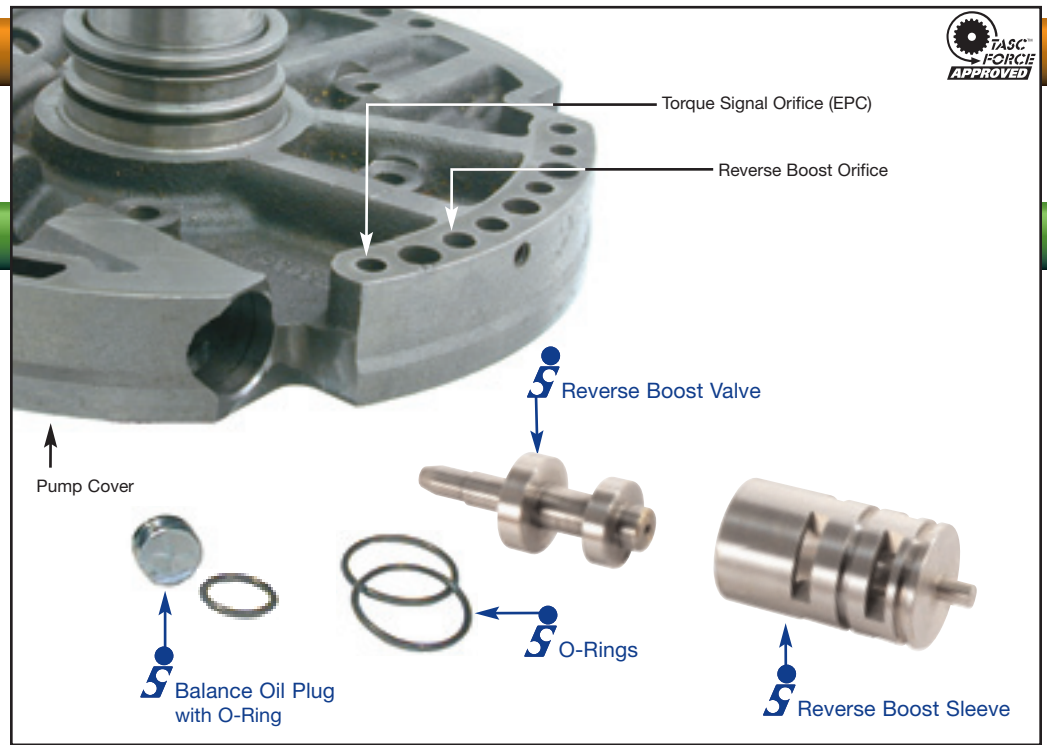
## CORRECTION

Ensure proper regulator valve control with this o-ringed balance oil plug and boost valve & sleeve kit that replaces either the 1997 & later or 1996 & earlier OEM boost valve designs.

## Reverse Boost Valve & Sleeve

### 34200-01K

- 1 Boost Valve
- 1 Boost Sleeve
- 1 Balance Plug & O-Ring
- 2 O-Rings for Sleeve



### Notes:

1. Kit includes instructions to retrofit parts dating back to '89.
2. Wet Air Tests can be done using either the reverse boost orifice or the torque signal orifice for this particular application.

### Sonnax Part Summary

Common problems in vehicles with a 4L80-E transmission are uncontrollable line rise (upward of 500-600 psi), high line pressure in reverse, buzzing noise, broken direct clutch drums and/or broken cases. These problems are usually caused by reverse boost oil that enters the torque signal circuit due to a wear-created cross leak at the sleeve. High line pressure and buzz is created by oil leakage past the aluminum balance plug. The Sonnax replacement assembly **34200-01K** eliminates these problems.

### Features & Benefits

- Hardened steel boost valve has over 20% wider spools to provide better durability and increased sealing contact area.
- Boost valve spools have annular grooves to reduce side loading that causes wear.
- Quality steel boost sleeve with external o-rings provides positive seal to compensate for pump cover bore wear.
- Kit includes a replacement aluminum balance oil plug with an o-ring to ensure proper sealing and adequate back pressure on the pressure regulator valve.
- Kit includes instructions to retrofit parts dating back to 1989.

Save

Up to \$500 in broken case and hard part replacement costs