

COMPLAINT

SECONDARY COMPLAINTS

High line pressure, broken parts

- Uncontrollable line rise • Buzzing noise

CAUSE

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

CORRECTION

Ensure proper main regulator valve control with this boost valve and sleeve kit with o-ringed balance oil plug. Replaces 1991 - current OEM boost valves.

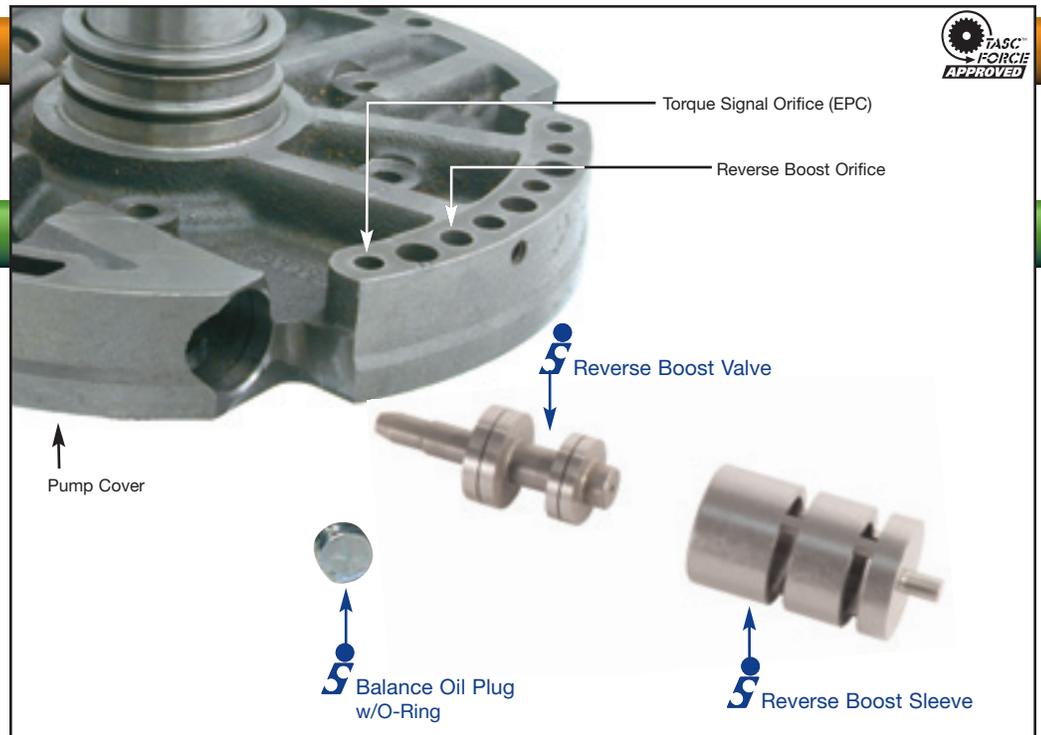
“Factory Style” Reverse Boost Valve & Sleeve

34200-03K

- 1 Boost Valve
- 1 Boost Sleeve
- 1 Balance Plug & O-Ring

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 **34200-03K** eliminates these problems.

Features & Benefits

- Hardened steel boost valve with 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.
- Valve and sleeve are manufactured to close tolerances to restore proper clearance and hydraulic integrity.
- 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 contains instructions to retrofit parts dating back to 1989.

Note: If you detect leakage between the sleeve and pump bore, use **34200-01K**, which includes an o-ringed sleeve to compensate for pump bore wear and prevent pump scragpage.

Save

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