Distributor Data Sheet

4L80-E

PART NUMBER **34200-10K**

COMPLAINT

Broken case, servo or clutch piston

SECONDARY COMPLAINT

• **High line pressure caused by unregulated EPC pressure**

CAUSE

Unregulated EPC pressure forces pressure regulator into high line position.

CORRECTION

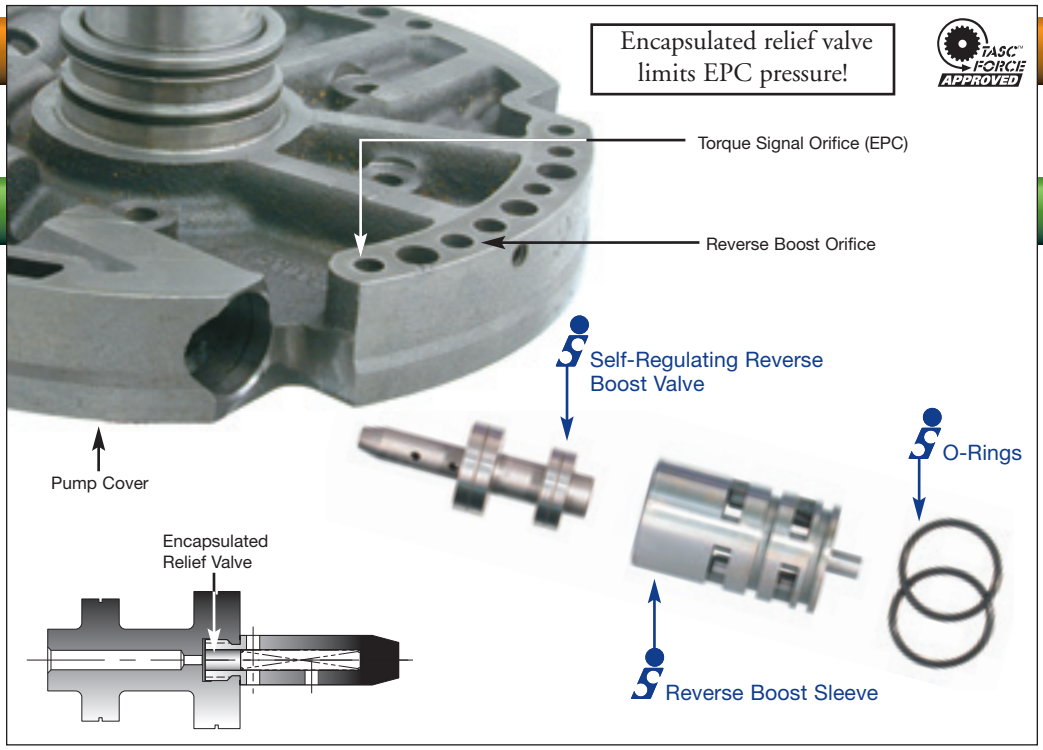
This self-regulating reverse boost valve regulates EPC pressure to 95-105 psi with an encapsulated relief valve.

Self-Regulating Reverse Boost Valve & Sleeve

34200-10K
1 Self-Regulating Boost Valve
1 Boost Sleeve
2 O-Rings

U.S. Patent No. 6,776,736

Notes:
1. Kit includes instructions to retrofit parts dating back to '89.
2. Wet Air Test 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 include uncontrollable line rise (upward of 500 psi), high line pressure in reverse, broken direct clutch drums and/or broken cases. These problems can be caused by excessive EPC torque signal pressure. The Sonnax self-regulating reverse boost valve **34200-10K** eliminates these problems by limiting EPC pressure.

Features & Benefits

- Hardened steel boost valve has an encapsulated relief valve that will allow EPC pressure to exhaust if it exceeds 95-105 psi.
- 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.
- Closely toleranced sleeve restores the hydraulic integrity between the valve and sleeve.
- O-rings have been added to the sleeve to provide a positive seal that compensates for pump bore wear.

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

If EPC pressure exceeds 95-105 psi, the encapsulated relief valve will allow excess pressure to exhaust.

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