

COMPLAINT

SECONDARY COMPLAINTS

Converter overheat, high line pressure, codes 62, 628 and 1744

- Engine stumble/stall during engagement in reverse • Replacement valves not available

CAUSE

The OEM valve can restrict converter charge and cooler flow due to wear at the balance end and/or insufficient balance oil which keeps the pressure regulator valve in the high line pressure position.

CORRECTION

This valve has a patented internal line-to-lube passage with anti-drainback check valve that allows full time flow to the cooler circuit, yet prevents drainback. It also has an added orifice at the balance end to ensure sufficient line pressure is present to balance against EPC and spring pressure.

Line-to-Lube Pressure Regulator Valve

36424-04K

1 Pressure Regulator Valve

Note: U.S. Patent No. 6,826,908

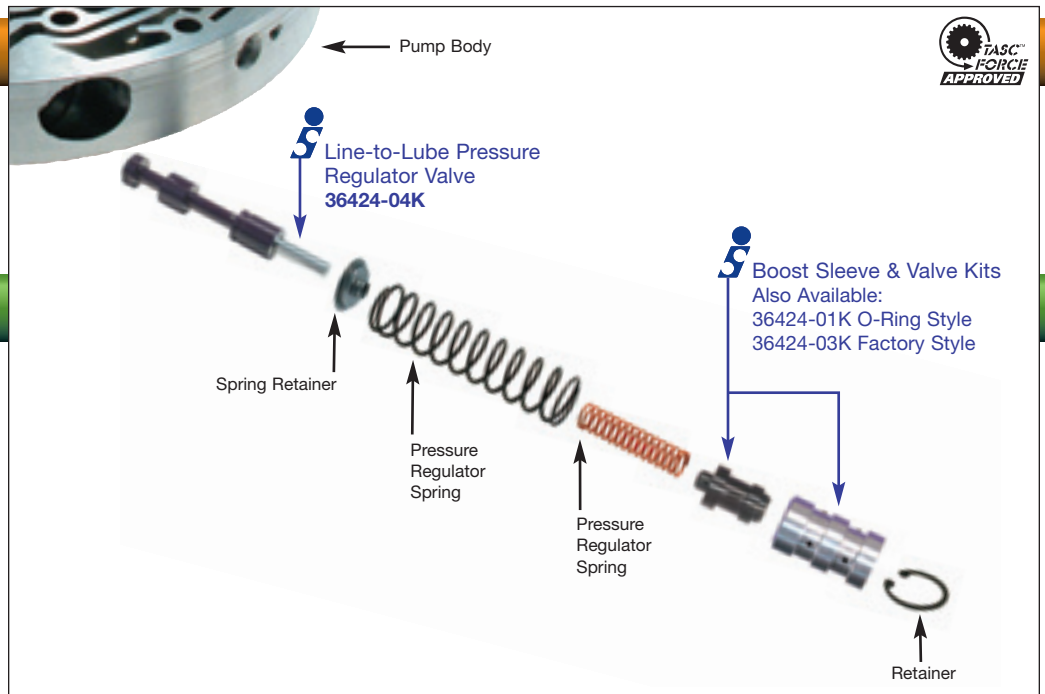
Also Available:

36424-01K O-Ring Style

36424-03K Factory Style

Each kit includes the following

Boost Valve & Sleeve Kit



Sonnax Part Summary

E4OD/4R100 transmissions often have problems with converter overheat, codes 62, 628, 1744, high line pressure and low cooler. The OEM valve can close off critical converter/cooler circuit under high-demand situations, causing the TCC to drag on and glaze the lining at idle, or restricting converter/cooler charge during high load causing converter slip codes, overheat and lube failures. flow. Sonnax now offers an upgraded line-to-lube pressure regulator valve **36424-04K** with a patented internal line-to-lube passage with anti-drainback check valve, and a revised balance-end orifice.

While drilling the pump casting will allow full-time flow to the cooler circuit, it is not precise and allows converter drainback, causing delayed engagements complaints. A revised balance end orifice is built into the valve and ensures sufficient oil is fed to the end of the PR valve to keep the valve in the proper regulating position and further preventing converter/ cooler flow restrictions.

Features & Benefits

- Internal check valve capsule allows full-time flow to the converter/cooler, but prevents drainback.
- An added orifice at the balance end ensures sufficient line pressure is present to balance against EPC and spring pressure.
- Valve is hard-coat anodized aluminum to resist wear.
- This is a drop in replacement that requires no machining.

Save

\$100 in pump replacement costs