

COMPLAINT

SECONDARY COMPLAINTS

High line pressure, cracked drum

• Lube oil loss • No cooler flow during failsafe • Bushing or planet failure • Code 28/1744/1740

CAUSE

Worn casting bores at the pressure regulator and converter regulator valves, and insufficient cooler and converter flow.

CORRECTION

The oversized PR valve restores the balance circuit to correct high line pressure and guards against excess EPC/TV pressure. The PR valve and converter regulator valve have modifications to properly regulate converter and cooler flow.

Pressure Regulator Valve Kit

73840-RK

- 1 Converter Regulator Valve
- 1 OS Pressure Regulator Valve
- 4 Lubrication Plugs (1 extra)
- 1 Spring

U.S. Patent Nos. 6,543,472 & 6,585,002



73840-RTL

- 1 Reamer
- 1 Drill Jig
- 3 Drill Bits (for lube modification)

F-73840-TL

- 1 Reamer
- 1 Drill Jig
- 3 Drill Bits (for lube modification)



Also Available:

73840-MK

Master Kit includes

73840-RK - Pressure Regulator Valve Kit

73840-BK - Bypass Clutch Control Kit

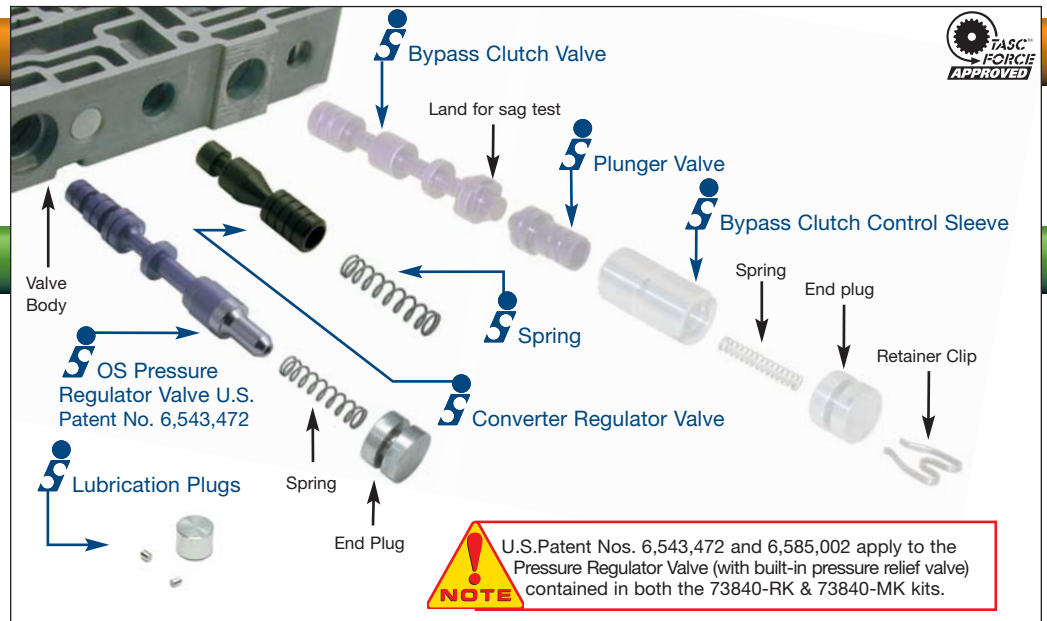


73840-MTL

Master Tool Kit includes

73840-RTL Services 73840-RK only

73840-BTL Services 73840-BK only



Sonnax Part Summary

The CD4E transmission frequently exhibits such symptoms as lube failure, harsh shifts and line pressure instability. Wear of the pressure regulator (PR) balance circuit (opposite end from spring) creates high line pressure. High line pressure is known to break up parts, but also positions the valve to reduce the flow into converter/cooler circuits. If the vehicle goes into failsafe (no EPC control) the lube circuit can be shut off completely on the OEM-design valve. The OEM converter regulator valve shuts off cooler/converter flow at 90-100 psi. Sonnax now offers a pressure regulator valve kit, **73840-RK**, with a converter regulator valve and PR valve that work together to limit converter pressure, yet ensure flow continues during a failsafe condition.

Features & Benefits

- Updated valves flow a safe regulated pressure into both the line and converter circuit, yet maintain control under low pump volume and high line conditions.
- Both valves are hard-coat anodized aluminum for wear resistance and have annular grooves to prevent side loading.
- Improved line-to-lube circuit allows full-time cooler flow.
- Includes an EPC pressure limit relief valve.
- Redesigned converter regulator valve has a lengthened spool to eliminate cooler pressure loss.
- Tapered spool design of the converter regulator valve ensures flow at extreme pressure.
- Reamer kit **73840-RTL** includes three drill bits to perform the suggested lube modifications.

Note: This kit cannot address the loss of valve control at the converter bypass circuit. Wear at the bypass valve contributes to codes 628, 1740 and related converter slip codes. For information on that repair, see part number **73840-BK**.