

COMPLAINT

SECONDARY COMPLAINTS

Converter overheat, Code 039, 740 & 1870

- Converter shudder • Falling out of lockup hot

CAUSE

Low converter apply pressure, caused by a worn regulator valve bore and insufficient isolator boost/PWM oil, or wear at the isolator bore.

CORRECTION

The Sonnax redesigned isolator valve and TCC regulator sleeve and valve kit prevents excessive wear and restores these critical bores to their original operating clearances.

TCC Regulator Valve Kit & Isolator Sleeve

For '93-up PWM Units

84754-01K

- 1 Isolator Valve
- 1 TCC Regulator Valve
- 1 TCC Regulator Sleeve

NEW PRODUCT!

For '93-up PWM units

84754-06

- 1 Isolator Valve Sleeve



84754-TL6

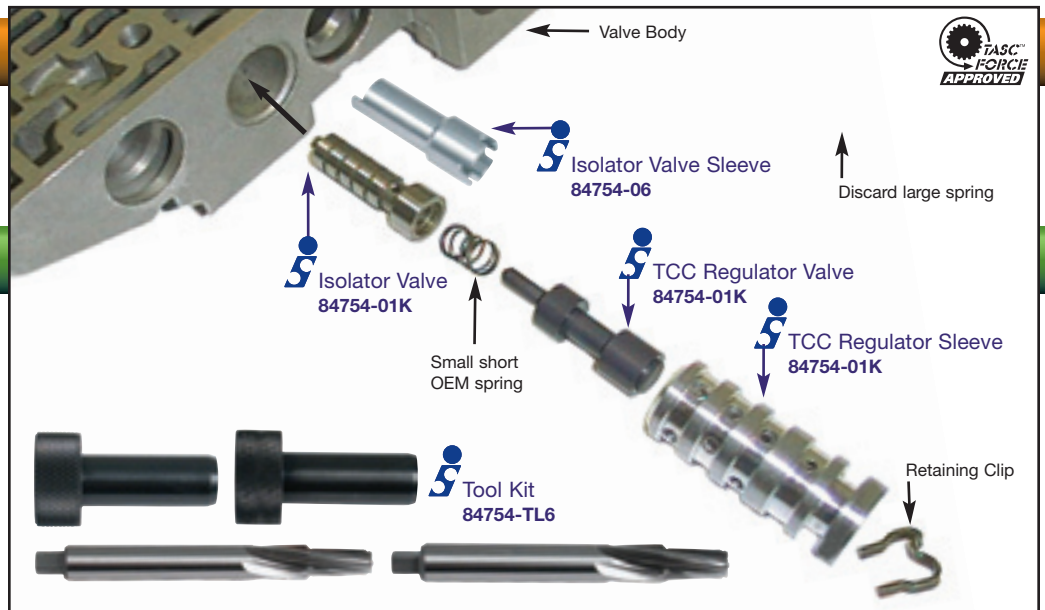
- 1 Roughing Reamer
- 1 Finishing Reamer
- 1 Roughing Reamer Jig
- 1 Finishing Reamer Jig

Also available:

For '91 & '92 PWM Units

84754-08K

- 1 Isolator Valve
- 1 Spring
- 1 TCC Regulator Valve
- 1 TCC Regulator Sleeve



Sonnax Part Summary

Common complaints with a 4T60-E 1993-up are falling out of lockup hot, codes 038, 740 and 1870, adverse lockup in cold weather, torque converter shudder and burn-up of the TCC lining. These complaints can be caused by a worn TCC regulator sleeve and/or a worn valve body bore in the isolator valve area. The TCC regulator sleeve design was changed in 1993, and this newer design has an aluminum sleeve with a steel valve that continuously oscillates within the sleeve. This motion eventually wears the inner diameter of the sleeve and results in excessive leakage. This leakage allows the TCC apply oil to exhaust to the sump. Leakage is also caused by the hardened steel isolator valve wearing the aluminum valve body bore. This allows converter oil charge reduction and PWM boost oil loss. Install the Sonnax isolator valve and TCC regulator sleeve and valve kit **84754-01K** to resolve these problems.

In some units, wear of the isolator valve bore may be severe enough to require reaming and installing an isolator valve sleeve. The Sonnax isolator valve sleeve **84754-06** is designed to work only with the isolator valve included in **84754-01K**. The new sleeve will restore proper function to the isolator valve circuit. The Sonnax tool kit **84754-TL6** provides the necessary tooling to refinish the isolator valve bore in 1993-up 4T60-E units.

Features & Benefits

- TCC regulator sleeve is made from highly wear-resistant aluminum specifically designed to prevent excessive wear.
- Closely toleranced TCC valve is made from hard-coat anodized aluminum to prevent wear and restore hydraulic integrity.
- Isolator valve is longer than OEM in order to contact the entire length of the valve bore.
- Larger spool diameter and feed orifice have been added to the isolator valve to allow PWM oil to increase TCC oil boost.
- Isolator valve sleeve salvages valve bodies with excessively worn isolator valve bores that are not corrected by the use of **84754-01K** alone.