

## COMPLAINT

SECONDARY COMPLAINTS

## Code 39, 740, converter shudder

• Converter overheating • falling out of lockup

## CAUSE

Worn bore at the TCC regulator valve or isolator valve bore.

## CORRECTION

This kit uses a sleeved TCC regulator valve and lengthened isolator valve to properly maintain converter charge and apply oil pressure.

## TCC Regulator Valve & Isolator Valve

### 84754-08K

1 TCC Regulator Sleeve  
1 TCC Regulator Valve  
1 TCC Spring  
1 Steel Isolator Valve



### 84754-RM

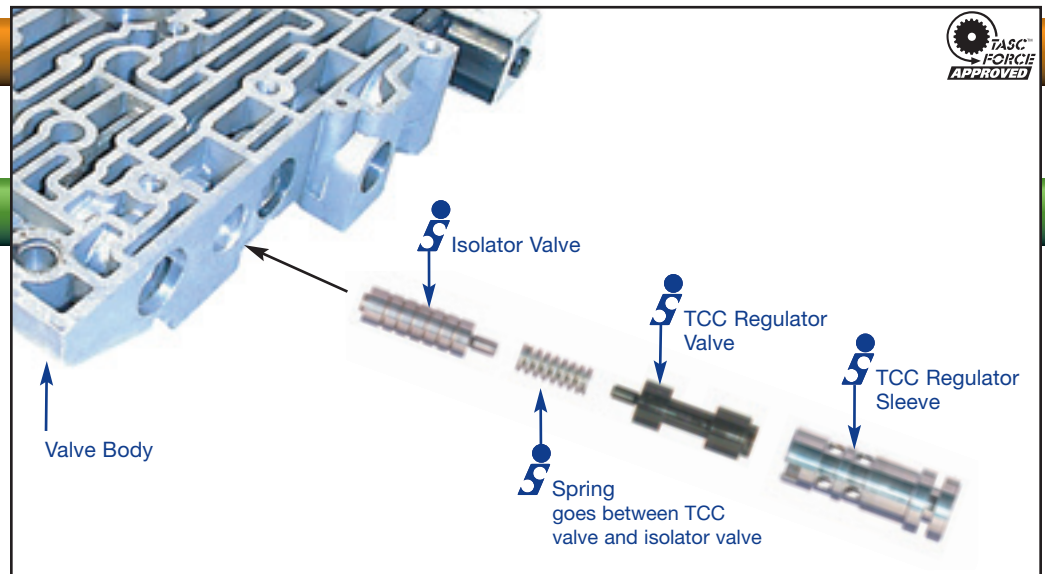
1 Reamer

Also Available

### 84754-01K '93-up PWM Units

1 Isolator Valve  
1 TCC Regulator Valve  
1 TCC Regulator Sleeve

**Note:** 84754-01K requires no reaming.



### Sonnax Part Summary

Common complaints in '91-'92 4T60-E transmissions are falling out of lockup at operating temperature, code 039/740, adverse lockup in cold weather, torque converter shudder, and burn-up of the torque converter clutch lining. These complaints can be caused by a worn valve body bore at the torque converter clutch regulator valve or at the isolator valve area. In '91 and '92 designs, the steel TCC-regulator valve operates in the valve body bore. This motion eventually wears the inner diameter of the bore and results in excessive leakage. This leakage allows the converter clutch apply oil (regulated line) to exhaust to the sump. Another source of leakage occurs when the hardened steel isolator valve wears the aluminum valve body bore, causing converter oil charge reduction and PWM boost oil loss. The Sonnax isolator valve and torque converter clutch regulator sleeve and valve kit **84754-08K** eliminates these leakage problems.

### Features and Benefits

- TCC regulator sleeve is made from highly wear-resistant aluminum.
- Closely-toleranced TCC regulator valve is made from hard-anodized aluminum to prevent wear and restore the hydraulic integrity of the assembly.
- Sonnax isolator valve has been made considerably longer than the OEM valve in order to contact the entire length of the valve bore.
- Annular grooves have been added to better center the valve in the bore and prevent sticking.
- A modified spring is included to work with the longer isolator valve.

**Note:** The 1991 & 1992 TCC regulator valves run directly in the valve body bore. In 1993 the 4T60-E TCC regulator valve was redesigned to run in an OEM sleeve. This kit **84754-08K** may only be used in the 1991 & 1992 models without the OEM sleeve. For 1993-1999 models, use Sonnax kit **84754-01K**.