

COMPLAINT

SECONDARY COMPLAINTS

TCC apply and release control problems

• Excess TCC slip RPM • Code 741 • TCC shudder or cycling

CAUSE

Severe wear of the valve body bore at the bypass clutch control valve.

CORRECTION

The Sonnax valve eliminates leakage at inboard and large valve bore with a tightly toleranced, oversized, anodized aluminum valve.

Oversized Bypass Clutch Control Valve Kit

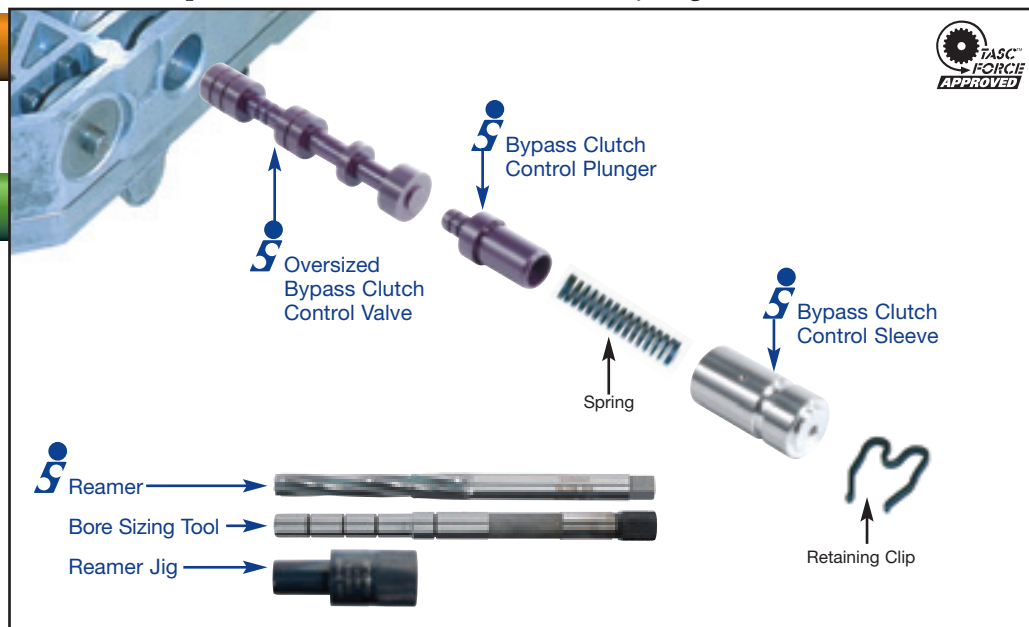
96206-05K

1 OS BCC Valve
1 OS BCC Sleeve & Plunger Assembly



96206-TL

1 Reamer
1 Reamer Jig
1 Bore Sizing Tool



Sonnax Part Summary

Vehicles with an AX4N transmission often have converter clutch apply and release problems which are most affected by high operating temperatures. These complaints can be caused by severe wear of the valve body bore at the bypass clutch control valve, allowing regulated converter charge oil leakage. This oil is fed to the lube circuits, cooler, and to help maintain the TCC in the release position. If the valve bore is worn, converter feed and lube oil will exhaust and MCCC solenoid control is limited. Sonnax offers standard bypass clutch control sleeves and plungers in OE sizes .486" (96206-03K) or .496" (96206-13K) to replace a worn plunger and sleeve when the bypass clutch control valve is not worn and can be reused. However, when the valve is too worn, Sonnax now offers an oversized bypass converter clutch valve kit, 96206-05K. This kit also includes a bypass clutch control sleeve and plunger assembly matched to the oversized bypass clutch control valve.

Features & Benefits

- TCC solenoid oil and CT oil spools have annular grooves to help center the valves in the bore.
- Valve is manufactured from wear-resistant anodized aluminum to extremely tight tolerances and is slightly oversized to restore hydraulic integrity at the spool/bore interfaces.
- Kit includes a replacement bypass clutch control sleeve and plunger kit, which is often severely worn, so that valve ratios remain consistent.
- A bore sizing tool is included in the reamer kit to ensure proper fit and bore integrity after reaming.