

COMPLAINT

SECONDARY COMPLAINT

No converter clutch apply, TCC cycle or surge

• Codes 1741 & 1744

CAUSE

This valve regulates line pressure to the TCC solenoid. The bore is known to wear, which reduces TCC solenoid output pressure. As this pressure is reduced, the TCC bypass valve will be slow or may not completely stroke.

CORRECTION

The Sonnax oversized solenoid regulator valve kit re-establishes the hydraulic integrity of the valve-to-bore fit and prevents leakage of valuable solenoid feed oil.

Oversized Solenoid Regulator Valve Kit

96201-21K

- 1 Oversized Solenoid Regulator Valve
- 1 Spring
- 1 Clip



96201-TL2

- 2 Reamers

Also Available:

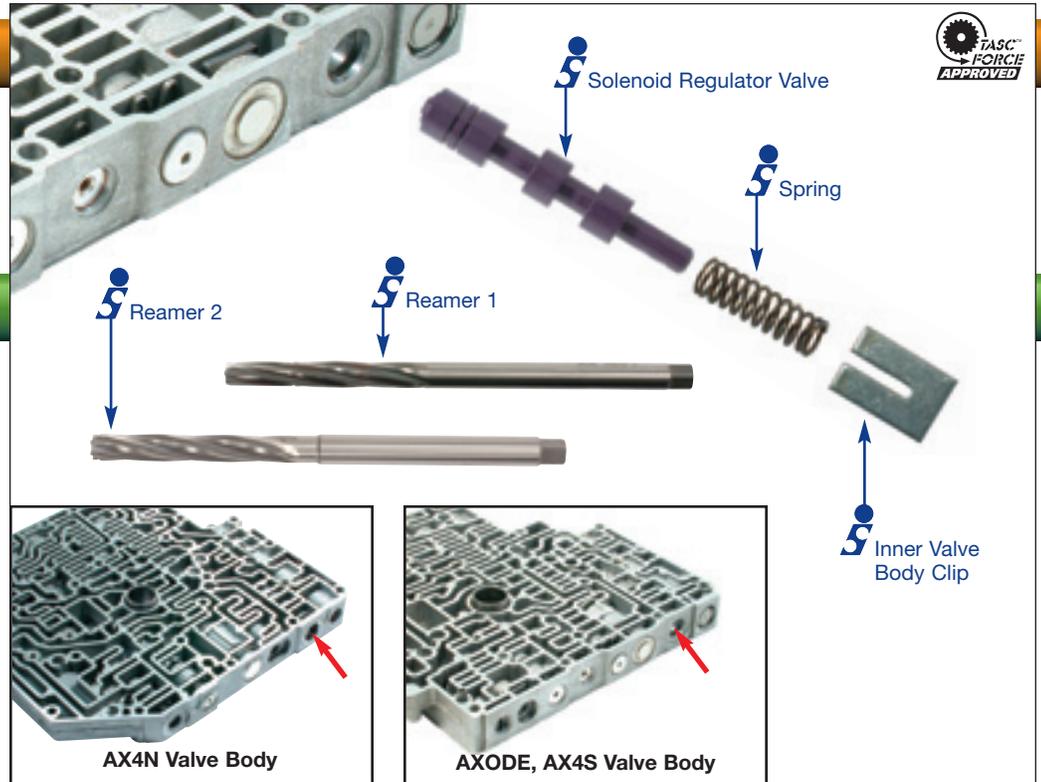
96201-23K

- 1 Oversized Converter Regulator Valve
- 1 Retainer Clip
- 1 White Spring (2-Spool Application)
- 1 Black Spring (4-Spool Application)



96201-TL3

- 2 Reamers



Sonnax Part Summary

The solenoid regulator valve affects the TCC solenoid feed with its modulated output. All TCC solenoid feed oil passes through this valve. When the solenoid regulator valve bore wears, valuable solenoid feed oil leaks to exhaust. When the solenoids are energized, this feed oil is directed to the bypass clutch control valve to apply the converter clutch. If there is excessive bore wear at the solenoid regulator valve, even though the solenoid is energized, there will be insufficient oil pressure to apply the converter clutch. The Sonnax oversized solenoid regulator valve kit **96201-21K** re-establishes the valve-to-bore fit, and prevents valuable solenoid feed oil leakage.

The solenoid regulator valve shares the same bore with the converter regulator valve. The converter regulator valve can cause problems with converter pressure, converter fill rate, cooler flow and EPC solenoid pressure. The Sonnax converter regulator valve **96201-23K** can resolve these problems.

- Notes:**
- Reamer tool kit **96201-TL2** is needed to enlarge the bore to accept the oversized valve.
 - Both the converter and solenoid regulator valves affect TCC application. Be sure to inspect them along with the TCC bypass valve bores whenever a converter problem exists.

Features & Benefits

- Oversized valve allows worn bore to be refurbished to restore hydraulic integrity.
- Hard-coat anodized valve prevents future wear.
- One replacement valve design fits all AXODE/AX4S/AX4N application models.
- Annular grooves on valve aid in centering to prevent side loading and bore wear.
- Stronger inner valve body clip provides better solenoid feed pressure regulation.

