

COMPLAINT

SECONDARY COMPLAINTS

Shift timing concerns & throttle buzz

- Poor kickdown • Late 2-3 upshifts • Oversensitive 3-2 downshifts

CAUSE

Throttle valve and sleeve wear.

CORRECTION

This hardened steel throttle valve repair kit salvages the valve body and restores throttle valve control. The new Sonnax design allows this kit to be used in both early and late OEM units.

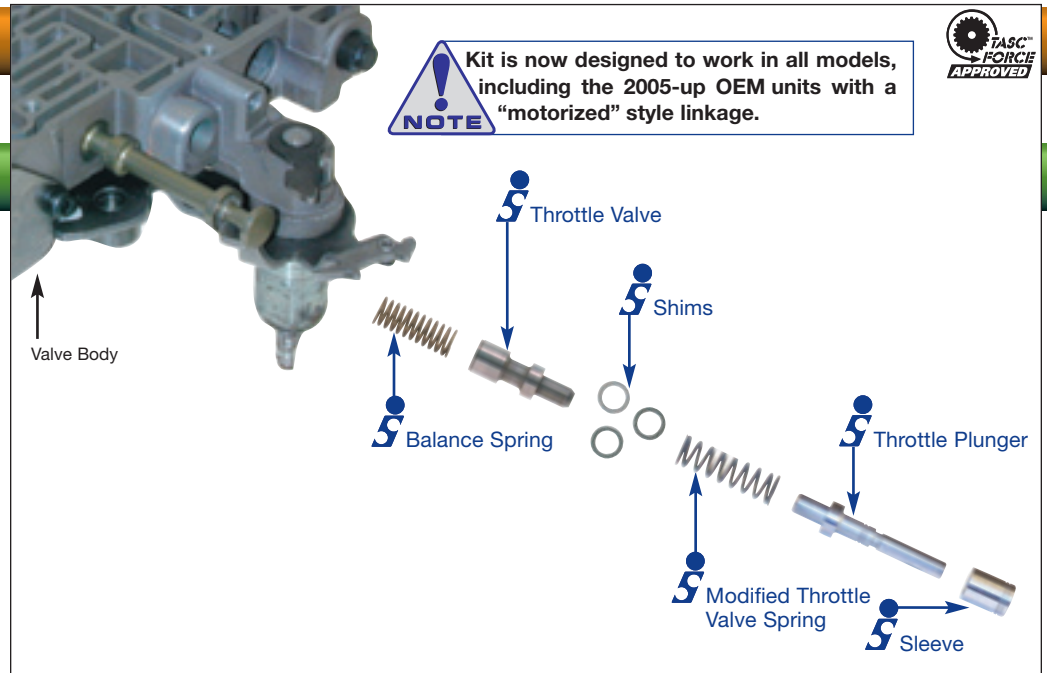
Throttle Valve Kit

22771-03K

- 1 Throttle Valve
- 1 Throttle Plunger
- 1 Balance Spring
- 3 Spring Shims
- 1 Alternative TV Spring
- 1 Sleeve

Notes: The modified TV spring should never be installed alone. Always use at least one shim with spring.

This updated version replaces part number **22771-01K**.



Sonnax Part Summary

Common complaints with these units are shift timing concerns, throttle buzz, poor kickdown and/or early upshifts caused by valve and sleeve wear. The OEM aluminum throttle plunger stem wears from contacting the steel linkage pivot. Damage to the end of the throttle plunger creates a side load that binds the plunger and restricts the movement of the throttle valve. Plunger side loading also damages the sleeve that guides the plunger. The sleeve wears as a result of the side load and creates leakage of detent pressure. Loss of detent pressure reduces kickdown that should occur during wide-open throttle (WOT). Sonnax now offers a new TV repair kit **22771-03K** to salvage the valve body and restore throttle valve control. This new kit works in all year models, including the 2005-up OEM units with a "motorized" style linkage.

Features & Benefits

- Throttle plunger, sleeve, throttle valve and spring are made from hardened steel for better wear resistance.
- Kit eliminates side loading and restores detent pressure.
- Kit includes three spring shims and an alternative spring to allow adjustment of TV pressure and throttle valve control.
- Kit is now designed to work in all models, including the 2005-up OEM units with "motorized" style linkage.