

COMPLAINT

SECONDARY COMPLAINTS

Lockup shudder, overheated converter

- Reduced cooler flow • Soft TCC apply • Build-up of release pressure during lockup

CAUSE

The OEM valve stroke is insufficient to control circuit timing of applied vs. release pressures and the bore is worn.

CORRECTION

Salvage the worn bore and improve timing and flow to the apply and release circuits with this improved oversized valve.

4-Spooled Switch Valves



22771A-13

Oversized

22771A-01

Direct Replacement

Each includes the following
1 Switch Valve

22771A-TL13

1 Reamer

Roughing

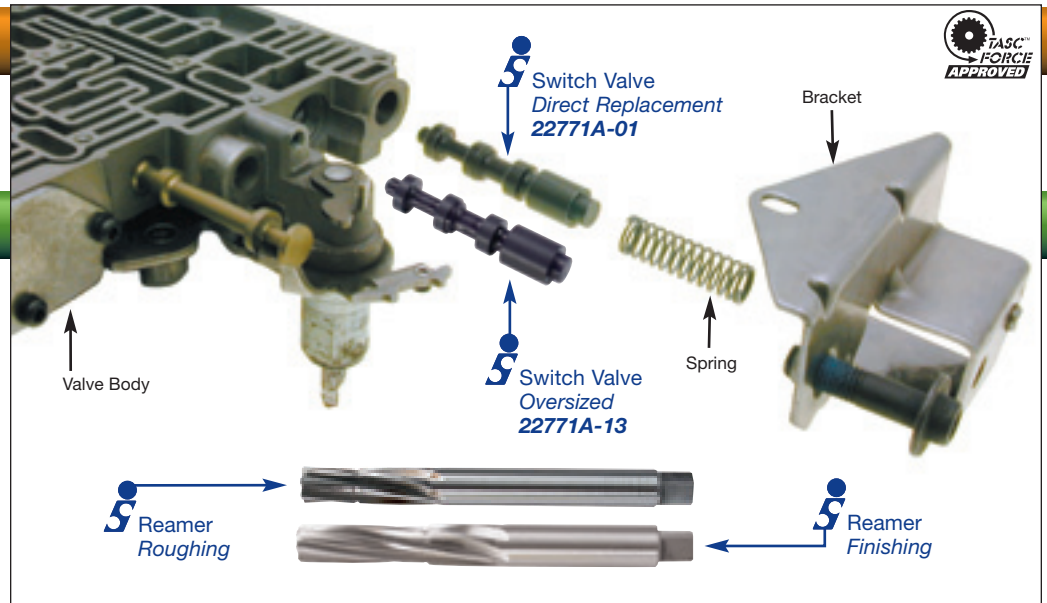
1 Reamer

Finishing

Tool kit **22771A-TL13** is required for oversized **22771A-13**.

Notes:

- These kits can only be used to replace 4-spool design or OEM valves or bore repair with OEM 4-spool design.
- No tooling required for direct replacement **22771A-01**.



Sonnax Part Summary

Bore wear toward the spring end reduces converter release oil. This affects converter charge at idle, causing engine stumble, loss of lube oil flow, overheating and poor performance. Bore wear at the inboard end creates poor TCC apply or a reduction in line pressure boost. Switch valve bores with excessive wear can now be repaired with Sonnax oversized switch valve **22771A-13**. If the bore is not excessively worn, install Sonnax standard OEM-size switch valve kit **22771A-01**. Both the oversized and standard size Sonnax valves will improve the timing and flow to the apply and release circuits.

Features & Benefits

- Valve controls TCC release oil venting during apply for a firmer apply and no shudder.
- Stem length, spool spacing and exhaust timing have been improved to ensure quicker stroke and less valve bounce.
- Salvages worn bores.

