

COMPLAINT

SECONDARY COMPLAINTS

Poor line rise

- 3-4 clutch and band failure

CAUSE

A low throttle boost oil condition.

CORRECTION

Stop excessive leakage by installing this oversized replacement throttle valve with slightly larger spool diameters.

Oversized Throttle Valve

77968

1 Oversized Throttle Valve

77968-RM

1 Reamer

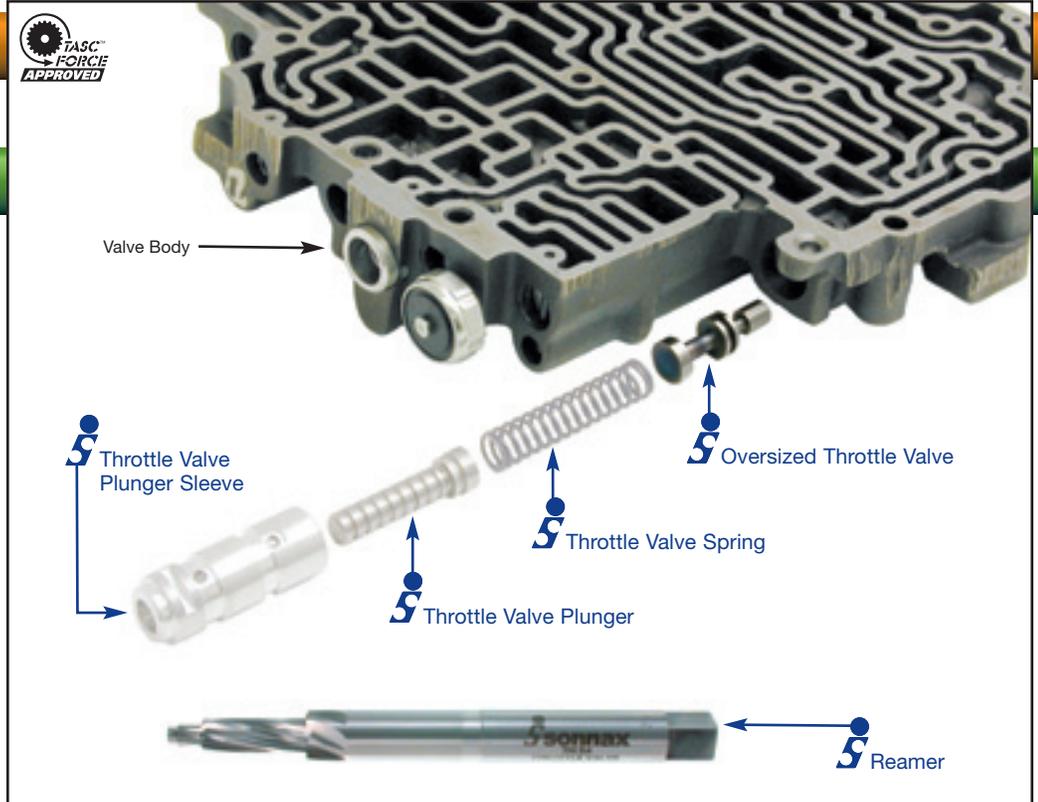
Notes:

1. Not compatible with early '82-'90 aluminum sleeve units.
2. It is necessary to use Sonnax Reamer 77968-RM to re-qualify worn valve body bore.

Also Available:

77968-01K

5 Throttle valve springs



Sonnax Part Summary

A low throttle boost condition is a common complaint in vehicles with a 700-R4 transmission. This loss of throttle boost oil creates poor line rise and accelerates 3-4 clutch and band failure. In late-model transmissions, the hardened steel throttle valve continuously oscillates in the cast iron valve body bore and eventually wears the three bore diameters. This wear allows throttle valve feed oil to leak past the valve spool and exhaust, resulting in a low throttle boost condition. This excessive leakage can be eliminated by installing the oversized Sonnax replacement throttle valve 77968.

Features and Benefits:

- The three spool diameters on this valve are slightly larger than the late-model OEM valve, allowing the valve body bore to be modified to restore the hydraulic integrity of the assembly.
- The valve body bore can be made large enough to accept this replacement valve by reaming it with the specially designed Sonnax reamer 77968-RM, which has three tightly-toleranced cutting diameters that will slightly enlarge the valve body bore in the area of the throttle valve.
- Reamer eliminates miscalibration or similar wear when exchanging with another used valve body.