

COMPLAINT

SECONDARY COMPLAINTS

No start, delayed engagements

- Loss of valve body core
- Linkage loose

CAUSE

Continuous movement and vibration of the shift linkage causes wear to the valve body detent ball bore.

CORRECTION

By oversizing the detent ball bore and installing this precision steel sleeve and replacement ball, expensive cores may be salvaged.

**Valve Body
Detent Ball &
Sleeve Kit**

22771-12K

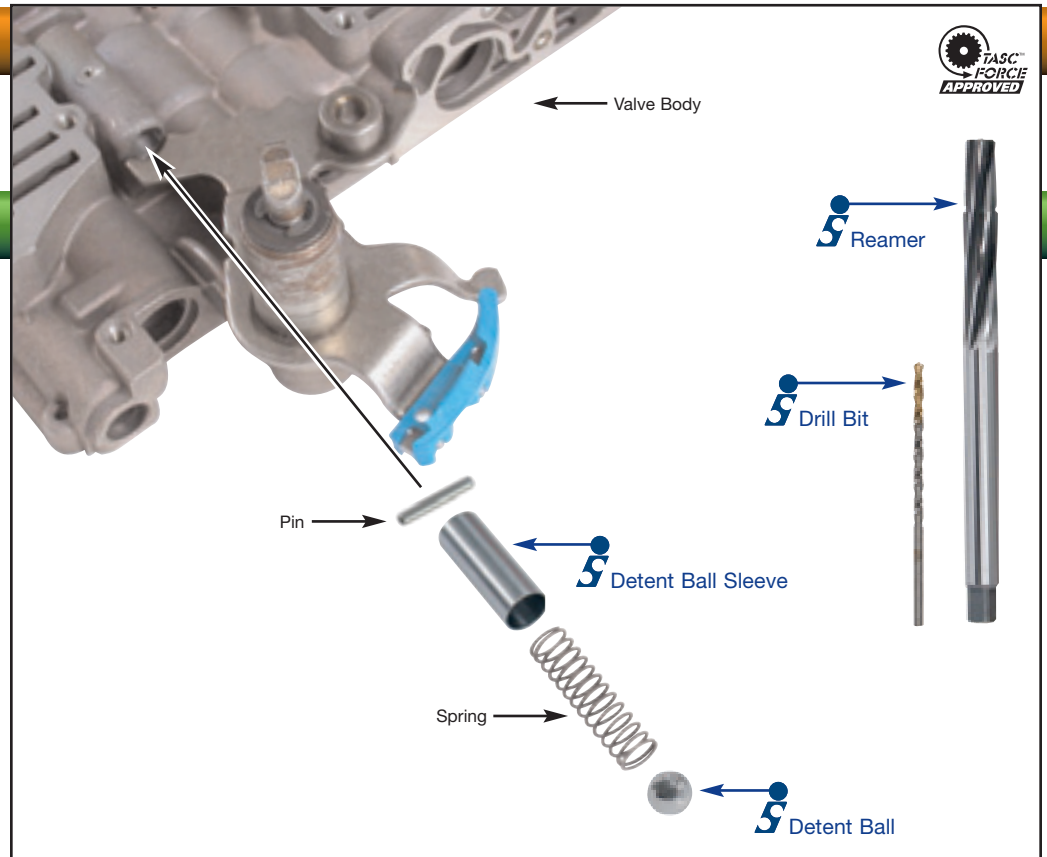
- 1 Sleeve
- 1 Ball



22771-TL12

- 1 Reamer
- 1 Drill Bit

Note: Although this fix is compatible with 48RE units, the bore diameter in some units will be smaller and may cause potential reamer piloting issues.



Sonnax Part Summary

The detent ball in the valve body wears into the aluminum bore due to continuous movement and vibration of the linkage. This creates excessive looseness in the manual valve lever and allows the manual valve to move out of alignment. No start or delayed engagements can occur from the manual valve being out of position, due to extra clearance. This condition often requires that the valve body be replaced. Sonnax has developed a precision steel sleeve that restores the worn bore and allows the valve body to be salvaged. A replacement ball is also included. The bore must be oversized using the self-guiding bench reamer included in Sonnax tool kit 22771-TL12. A .096" diameter drill bit is also included to allow the retaining pin hole to be redrilled for use with the OEM pin. The sleeve and tool kit are designed to fit both the short and long OEM detent bore designs.

Features & Benefits

- Precision steel sleeve restores worn valve body and properly supports the detent ball.
- Precision-ground steel ball included for optimal fit with the replacement sleeve.
- Self-guiding bench-style reamer allows casting to be oversized quickly and accurately without specialized equipment.

Save Up to \$200 in valve body replacement costs