

## COMPLAINT

### SECONDARY COMPLAINTS

## Long slide shift into 2nd gear

• Intermediate clutch overhear • Direct clutch failure

## CAUSE

A worn 1-2 capacity modulator bore causes second clutch oil leaks and insufficient clutch apply pressure.

## CORRECTION

This oversized 1-2 capacity modulator valve is made of hard-coat anodized aluminum to prevent wear, restore the hydraulic integrity of the circuit, and salvage the valve body.

## Oversized 1-2 Capacity Modulator Valve Kit

### 76991-01K

- 1 Valve
- 3 Springs
- 2 O-Rings (1 extra)
- 1 End Plug



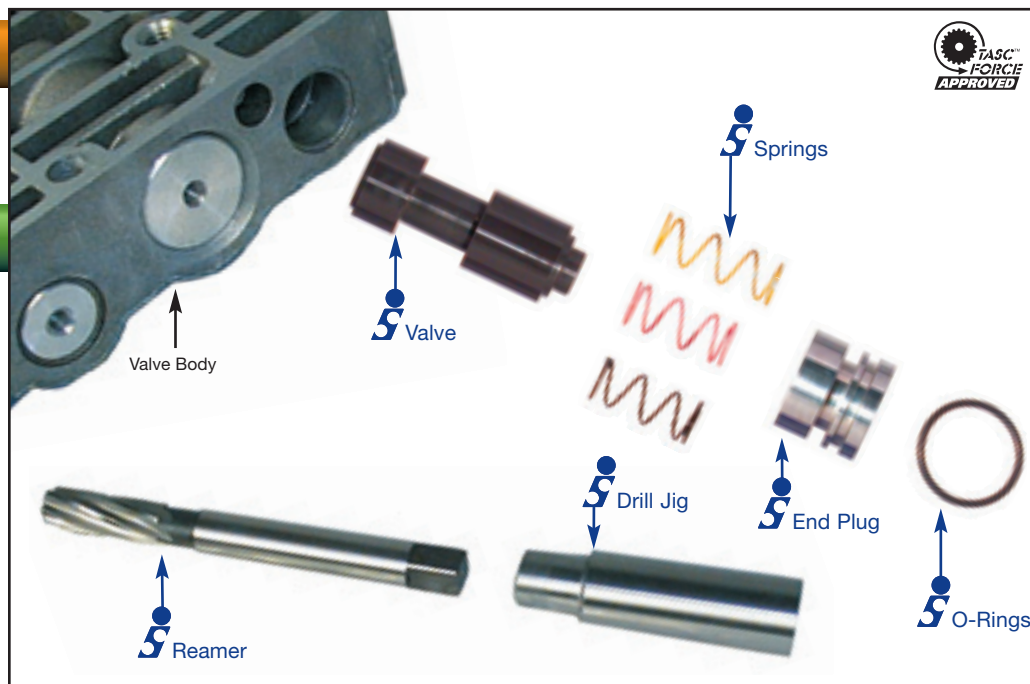
### 76991-TL

- 1 Reamer
- 1 Reamer Jig

Also Available:

### 76990K

Boost Valve Kit



### Sonnax Part Summary

The AOD often has a long slide shift into second gear, intermediate clutch overhear, and/or direct clutch failure. In many instances the culprit is a worn 1-2 capacity modulator bore. The second clutch oil will leak past the outer balance spool and exhaust, creating insufficient clutch pressure. This can be seen on a gauge or valve body test machine as low 2nd clutch pressure that does not stabilize and fill completely until the road speed allows a shift to 3rd gear. This results in 2nd gear slide and burned intermediate or direct clutches. Sonnax now offers an oversized 1-2 capacity modulator valve **76991-01K** that restores the hydraulic integrity of the circuit.

### Features & Benefits

- Valve is manufactured from hard-coat anodized aluminum to prevent bore wear.
- Kit includes an o-ringed end plug that prevents 2nd gear oil from exhausting through the bore.
- Three spring weights are included in the **76991-01K** kit to allow for more precise shift calibration.

**Note:** If you remove the OEM horseshoe clip and install a roll pin with guide hole drilled through the valve body, the plug can be removed and spring weight changed without pulling the valve body.