

## COMPLAINT

SECONDARY COMPLAINTS

Wrong gear starts, solenoid codes, clutch/band failure

• 2nd gear starts • No 4th gear • Harsh shifts from high pressure • 3-4 clutch life reduced

## CAUSE

Actuator feed limit bore wear results in low pressure at shift and EPC solenoids.

## CORRECTION

This kit includes a redesigned AFL valve that regulates pressure and a wear-resistant sleeve to re-establish proper pressure control.

## Actuator Feed Limit Valve Kit

### 77754-09K

1 Valve Sleeve Assembly  
1 Spring  
1 Retaining Clip

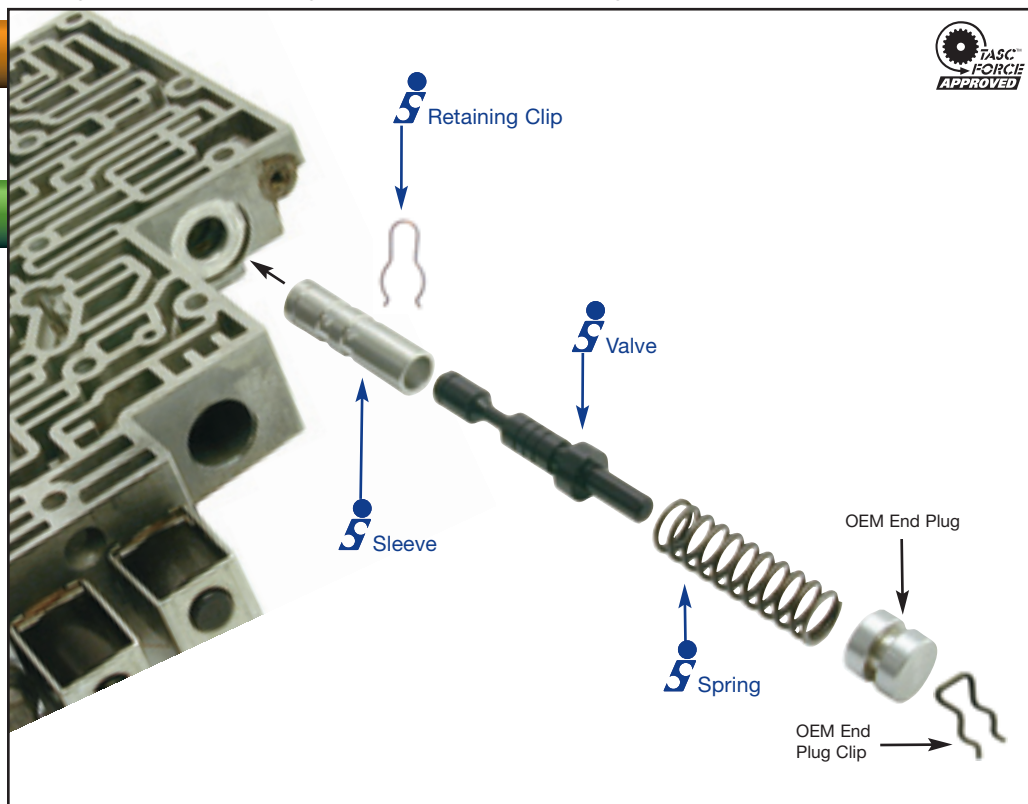


**Note:** U.S. Patent 6,634,377

### 77754-TL

1 Core Drill (4L80-E only)  
1 Reamer  
3 Guides (1 for 4L60-E / 2 for 4L80-E)  
1 Drill Bit (.051")

**Note:** This tool kit works for 4L60-E and 4L80-E AFL valve repairs.



### Sonnax Part Summary

The AFL valve is a solenoid feed regulator valve that feeds the EPC solenoid and shift solenoids. The OEM AFL valve design has a large reaction area and is highly affected by side loading, which wears the valve body bore. The EPC solenoid oscillates the torque signal and AFL oil, which increases valve action. As the bore wear increases, oil pressure is reduced to the shift solenoids, which causes solenoid and ratio codes. The same AFL oil loss results in lower line pressure. The improved Sonnax kit 77754-09K (4L60-E) eliminates these problems.

### Features & Benefits

- Kit includes a hard-coat anodized valve and wear-resistant sleeve to prevent wear.
- Valve has annular grooves to prevent side loading and has 54% more support by operating in the full contact sleeve.

**Note:** Due to the valve diameter and sleeve, this repair requires a reamer and reamer guide tool kit 77754-TL, which also services the 4L80-E.



\$150 in valve body replacement costs

Sonnax Valve



OEM Valve

