

## COMPLAINT

SECONDARY COMPLAINTS

## Reduced line pressure, gear ratio slip codes

• 2nd gear starts • Loss of 4th, 5th gear • TCC slippage • Forward, overdrive or coast clutch distress

## CAUSE

Wear at the AFL bore reduces line rise and solenoid pressure.

## CORRECTION

This kit includes a wear-resistant sleeve, modified valve and spring to re-establish feed limit control.

## AFL Valve & Sleeve Kit

### 55211-01K

- 1 Sleeve
- 1 Valve
- 1 Retaining Clip
- 1 Spring



### F-55211-TL

- 1 Reamer Jig
- 1 Guide Pin
- 1 Roughing Reamer
- 1 Finish Reamer



**Note:** This tool kit is used for installing both 55211-01K & 55211-11K.

Also available

### 55211-04K

TCC Regulator Valve and Sleeve Kit



### F-55211-TL4

Tool Kit for 55211-04K

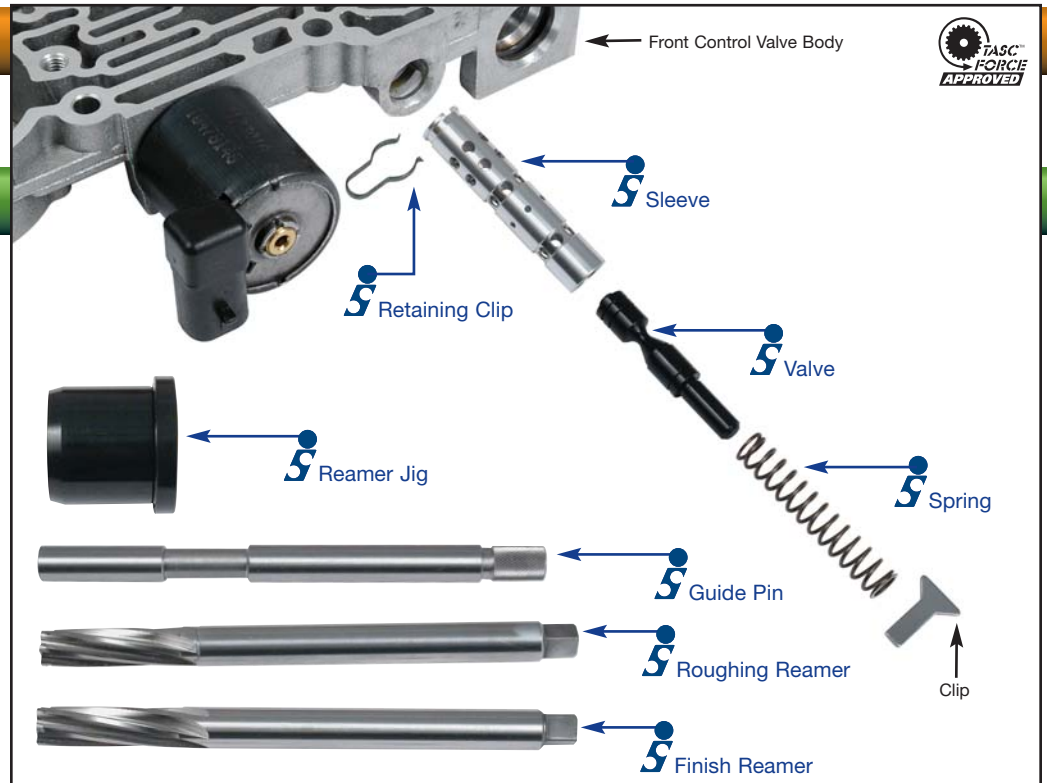


### 55211-11K

Reverse Lockout Valve and Sleeve Kit



**Note:** Use tool kit above F-55211-TL.



### Part Summary:

Actuator pressure is supplied to the EPC force motor and shift solenoids. At the force motor it is controlled to react on the boost valve, which is used to control clutch and TCC slippage. AFL pressure is also supplied to the shift solenoids and positions the shift valve accordingly. When AFL pressure is too high, solenoids are flooded and line pressure can be excessive, causing piston or housing fatigue. When AFL is too low, clutches slip and shift valves do not completely stroke. In D ranges, low solenoid pressure can cause the coast clutch to release and distress the forward clutch. In OD 5th range, reduced AFL pressure allows the overdrive clutch to come off or causes 2nd gear starts. If reduced feed limit pressure is supplied to the safety mode valve, it could remain in the released position, which will make the vehicle operate in 5th gear only. The Sonnax AFL valve & sleeve kit 55211-01K includes a highly wear-resistant sleeve, modified valve and spring to restore proper feed limit pressure control. The valve bore must be reamed to accommodate the sleeve.

### Features & Benefits:

- Highly wear-resistant sleeve provides significantly more valve support to reduce leakage and prevent wear.
- Anodized aluminum valve resists wear to prevent leakage.
- Contoured valve stem significantly decreases fluid flow influence over limiting pressure.
- Annular grooves added to the valve properly center it within the sleeve, preventing wear due to side loading.
- Replacement spring limits feed limit pressure to 115 psi for proper pressure control.