

## COMPLAINT

SECONDARY COMPLAINTS

## Insufficient line rise in drive ranges

- Higher-than-normal reverse pressures
- Soft shifts

## CAUSE

These problems can be caused by severe wear of the boost valve sleeve, allowing EPC and reverse oil leakage.

## CORRECTION

The Sonnax boost valve assembly has upgraded materials and minimal clearances to prevent wear and restore proper hydraulic control.

## Boost Valve Assembly

### 27741-01K

- 1 Boost Valve
- 1 Boost Sleeve
- 1 Boost Valve Plug

Also Available

## Oversized Pressure Regulator & Boost Valve Kit

### 27741-08K

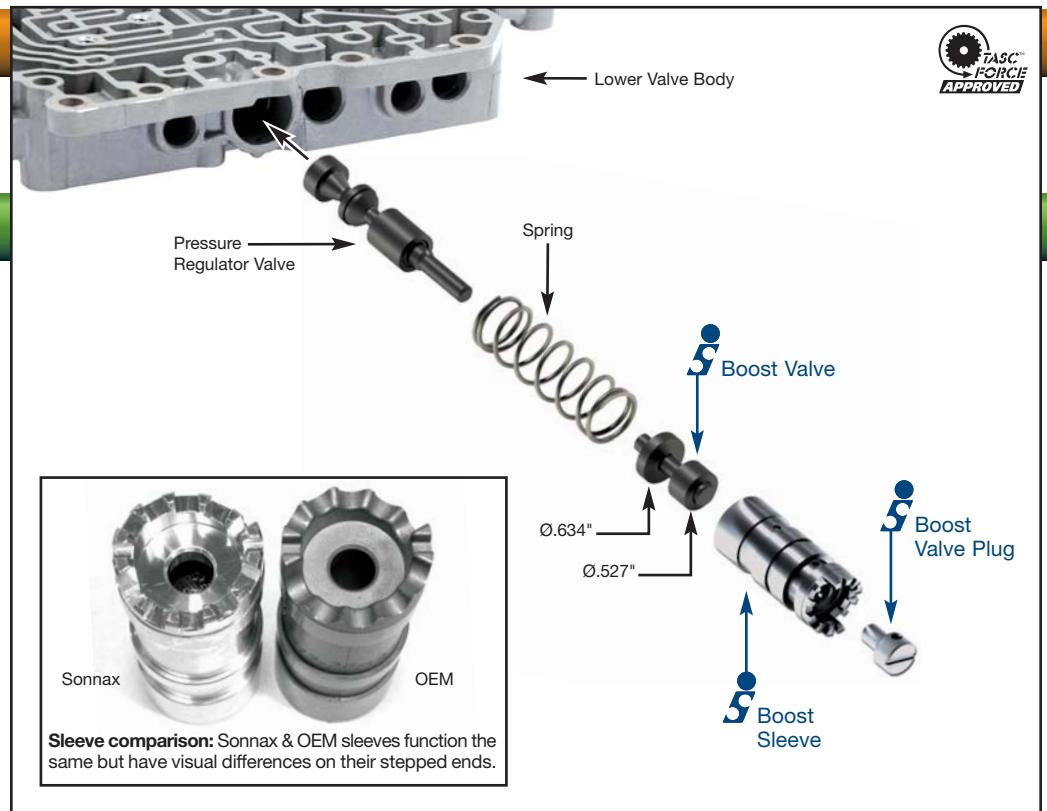
- 1 Pressure Regulator Valve
- 1 Pressure Regulator Spring
- 1 Boost Valve
- 1 Boost Sleeve
- 1 Boost Valve Plug



### 57917E-TL8

- 1 Reamer
- 1 Reamer Jig

**Note:** This tool kit is also used to install 57917E-08K the Oversized PR & Boost Valve Kit for Toyota U140E/F, U240E & U241E.



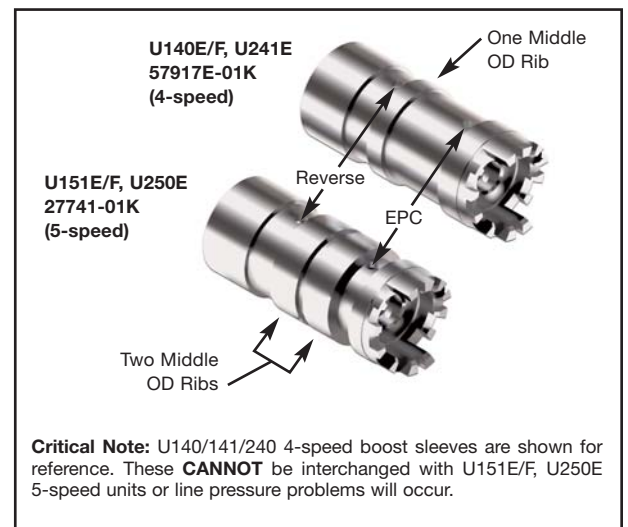
**Sleeve comparison:** Sonnax & OEM sleeves function the same but have visual differences on their stepped ends.

## Sonnax Part Summary

Toyota vehicles with a U151E/F, U250E transmission may exhibit insufficient line rise in the drive ranges and excessively high pressures in reverse. This may be caused by continuous oscillation of the steel boost valve within the cast-aluminum sleeve, creating excessive wear and a path for EPC and reverse pressures to leak. The Sonnax replacement boost valve assembly, 27741-01K, has upgraded materials and minimal clearances to prevent wear and restore proper hydraulic control.

## Features & Benefits

- Boost sleeve manufactured from highly wear-resistant billet aluminum to prevent the excessive wear exhibited by the cast OEM sleeve.
- Salvages expensive valve bodies.
- Restores proper line rise.



**Critical Note:** U140/141/240 4-speed boost sleeves are shown for reference. These **CANNOT** be interchanged with U151E/F, U250E 5-speed units or line pressure problems will occur.