

## COMPLAINT

### SECONDARY COMPLAINTS

## Low/high line pressure

- Soft/harsh shifts • Clutch and band failures • Low converter pressure • Loss of lube

## CAUSE

Continuous oscillation of the pressure regulator valves causes valve body bore wear, which results in line pressure irregularities and valve instability.

## CORRECTION

These oversized valves allow the valve body bore to be refurbished and restore proper pressure control.

## Oversized Pressure Regulator Valves

A140 & A540E  
not A540Y stamped valve body

### 89010-03K

For application A540E (1998-2000)  
with "A540Y" stamped on  
valve body

### 89010-04K

A340 only

### 97855-24K

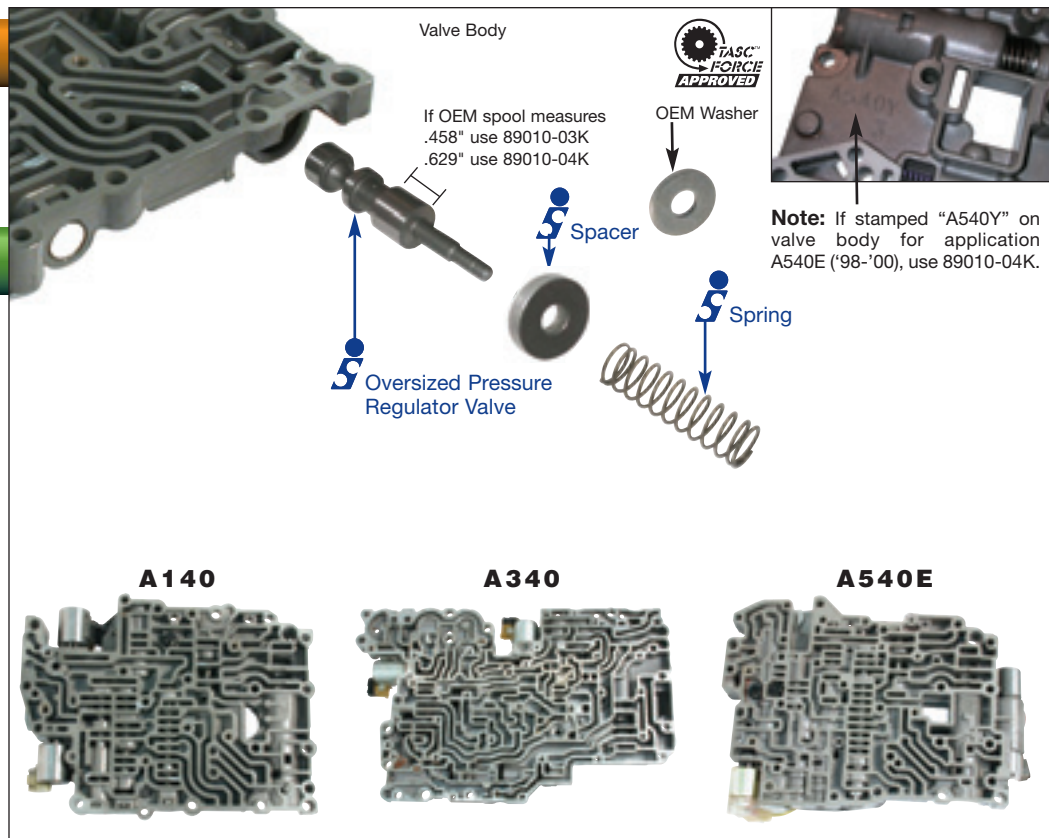
Each kit includes the following.

- 1 Oversized Pressure Regulator Valve
- 1 Pressure Regulator Spring
- 1 Spacer -03K & -04K only

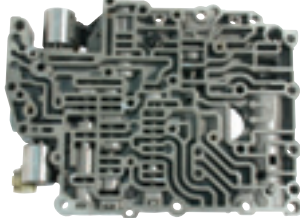
### 89010-TL

- 1 Reamer
- 1 Reamer Jig
- 1 Bore Sizing Tool

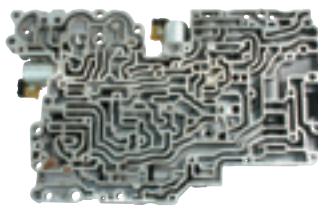
Services all three valve kits.



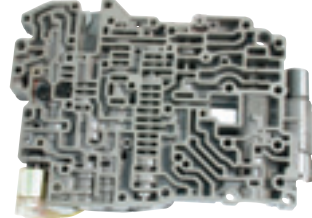
A140



A340



A540E



## Sonnax Part Summary

The continuous oscillation of the pressure regulator valve wears the valve body bore. If severe wear occurs at the balance line circuit, the pressure regulator valve won't stroke to reduce line pressure and feed the converter/lube circuits. This can result in high line pressure, harsh shifts, reduced converter pressure and loss of lube. Severe wear at the other pressure regulator valve circuits can allow line pressure to exhaust or go to sump, resulting in low line pressure, soft shifts, and burned clutches and bands. The Sonnax oversized valves **89010-03K**, **89010-04K** and **97855-24K** allow the valve body to be refurbished to restore proper clearances.

## Features & Benefits

- Available in three kits: **89010-03K** for the A140 and A540E applications; **97855-24K** for the A340 application; and **89010-04K** for A540E applications from 1998 to 2000 stamped "A540Y."
- Oversized, hardened steel valves allow valve body to be refurbished to restore hydraulic integrity.
- One tool kit for all three applications.