

## COMPLAINT

Spring replacement required due to bending, breaking or fatigue

## CAUSE

The OEM valve springs are subject to breakage or fatigue failure, preventing proper operation of the associated valve.

## CORRECTION

Replace the broken or fatigued OEM spring with the Sonnax replacement spring to restore proper spring rate.

## Replacement Valve Springs

**56947J-S1** 5R55N only  
1, 4-3 Pre-Stroke Spring

**56947J-S2** 5R55N only  
5 PCA Modulator Springs

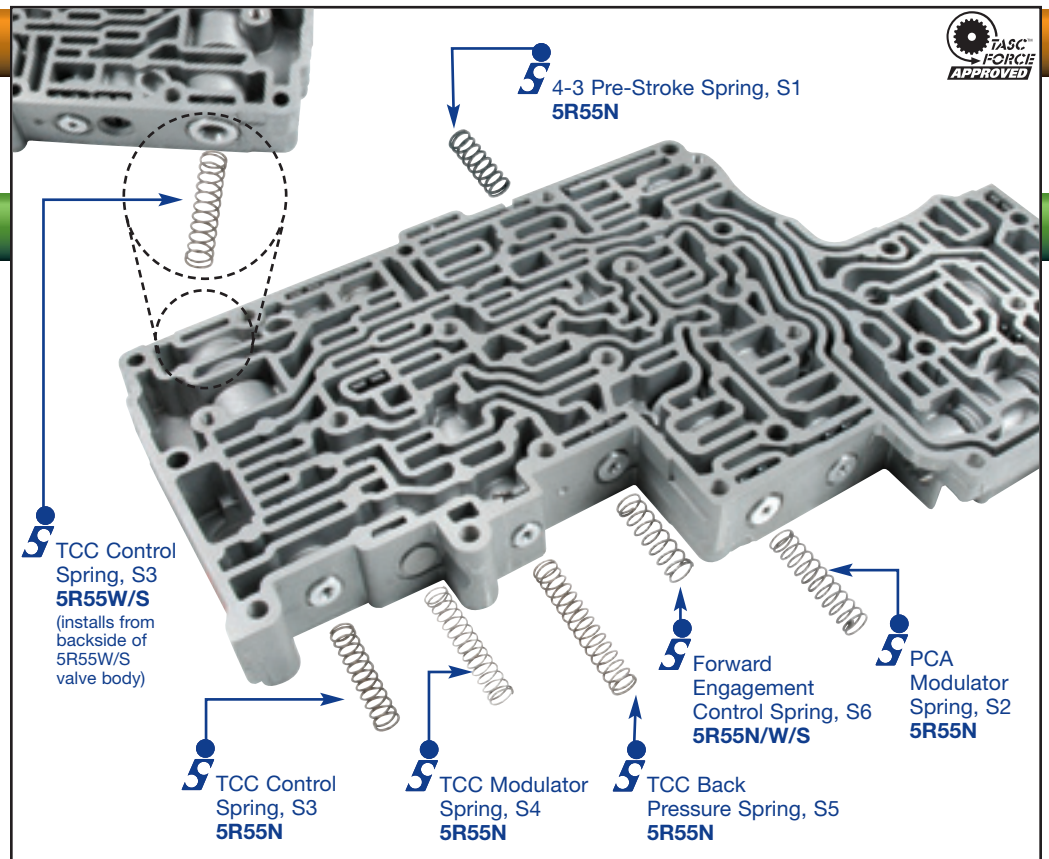
**56947J-S3** 5R55N/S/W  
5 TCC Control Springs

**56947J-S4** 5R55N only  
5 TCC Modulator Springs

**56947J-S5** 5R55N only  
5 TCC Back Pressure Springs

**56947J-S6** 5R55N/S/W  
5 Forward Engagement Control Springs

**Note:** 56947J-S1 has 1 spring/bag.  
All others have 5 springs/bag



### Sonnax Part Summary

The OEM valve springs are subject to breakage, bending or fatigue failure. Broken portions of the spring can cause the associated valve to stick in either the fully applied or released position. A fatigued spring will not have enough force to fully stroke the valve to the released position. Complaints vary depending upon specific location, but can be seen in chart below. The Sonnax springs will restore proper function to the associated valve when replacing a broken, bent or fatigued spring.

Application	Description	Cures
<b>5R55N ONLY</b>		
<b>56947J-S1</b>	4-3 Pre-Stroke Spring	No 4th or 5th gear, codes 734 and/or 735, solenoid C code
<b>56947J-S2</b>	PCA Modulator Spring	Poor line rise, low intermediate clutch pressure, poor 2-3 shift
<b>56947J-S4</b>	TCC Modulator Spring	Harsh TCC apply, TCC slip on apply
<b>56947J-S5</b>	TCC Back Pressure Spring	Harsh TCC apply, low line pressure, excess TCC slip, converter lining overheat
<b>5R55N/W/S</b>		
<b>56947J-S3</b>	TCC Control Spring	TCC cycling, burned converter, engine stall, no TCC release
<b>56947J-S6</b>	Forward Engagement Control Spring	Delayed engagements, burned forward clutch