

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

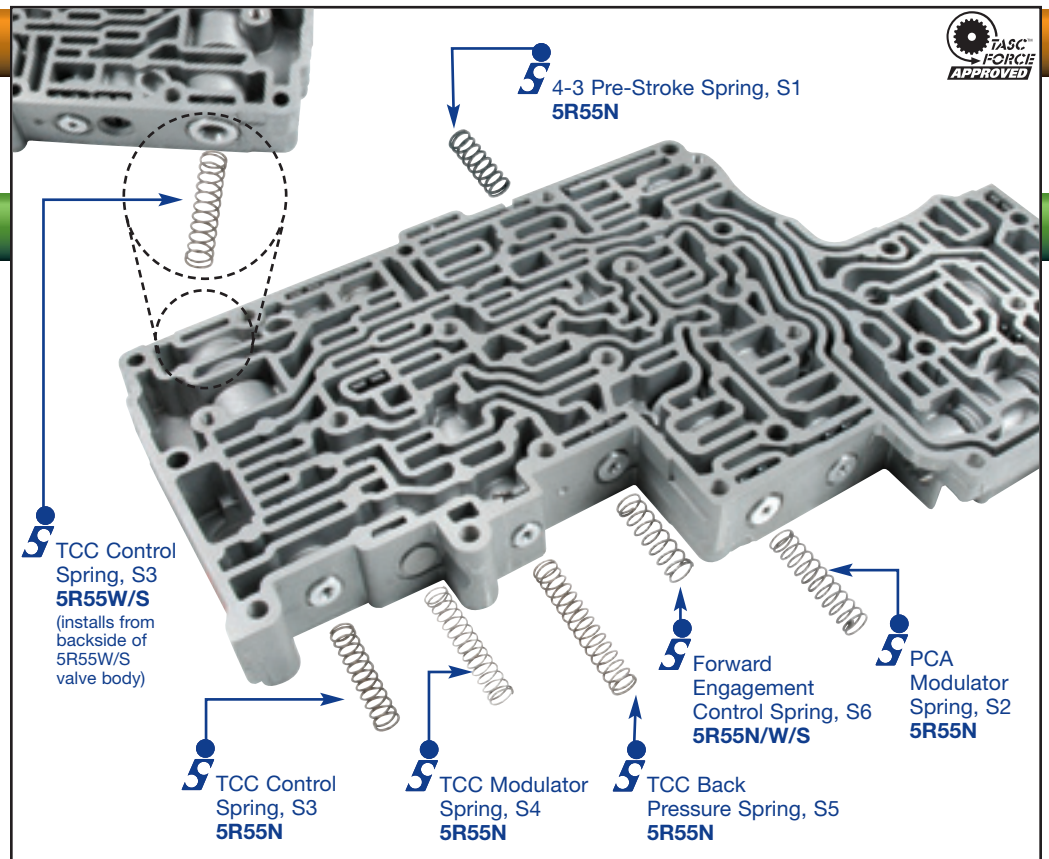
56947J-S3 5R55N/S/W
5 TCC Control Springs

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