

COMPLAINT

SECONDARY COMPLAINTS

No 4th, 3-4 lets go, 2nd gear starts

- Repeated solenoid B code 86 or 87 • No 3rd or 4th gear

CAUSE

Low signal pressure to shift solenoids A and B.

CORRECTION

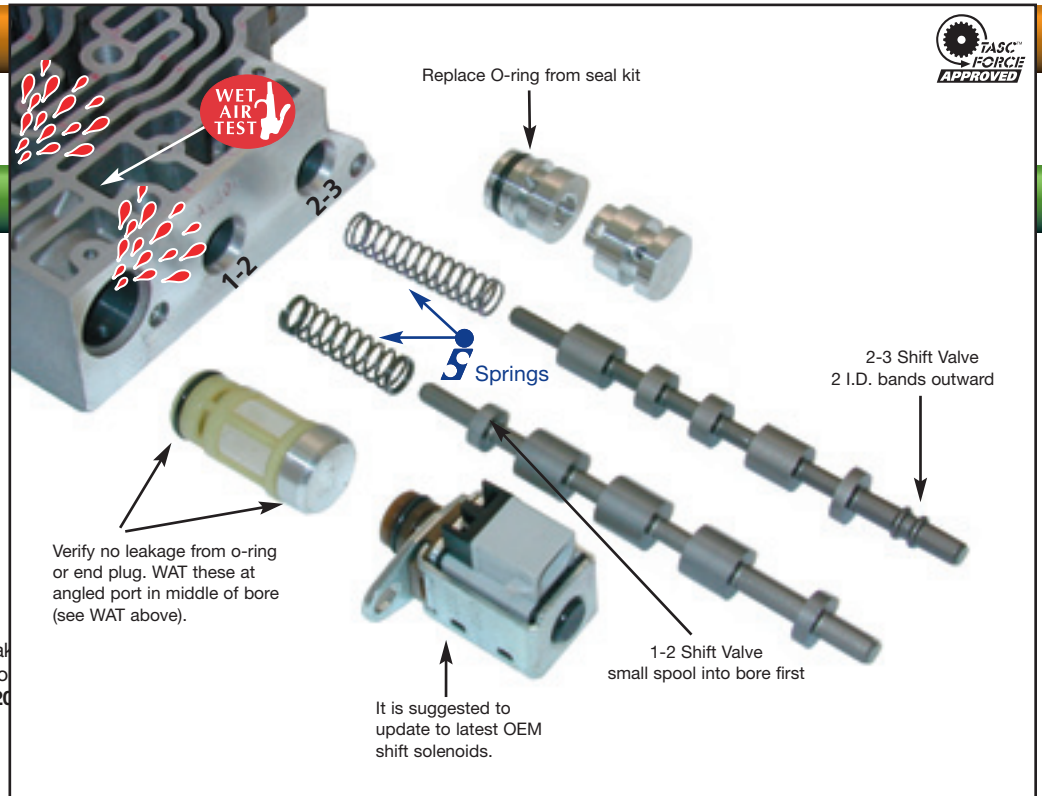
Recalibrated springs for 1-2 and 2-3 shift valves.

1-2 & 2-3 Shift Valve Springs

34994-02K

- 1, 1-2 Shift Valve Spring
- 1, 2-3 Shift Valve Spring

Notes: Springs MUST be used together. This is not a fix for leaking solenoids or leak seals in the solenoid signal circuit or actuator limit circuit. See AFL limit valve repair 342016K.)



Sonnax Part Summary

In 4th gear, signal A oil force must overpower the 1-2 shift valve spring and opposing signal B pressure in 4L80-E transmissions. If the 1-2 shift valve does not remain fully stroked, drive oil to second and direct will be cut off or go to exhaust. The reaction area of A is greater than that of B, so the spring is the stroking factor. Complaints of second gear starts, neutral after 2-3 shift or no 4th gear are compounded by worn AFL limit bores, leaking o-rings and solenoids. When AFL oil drops, and signal A becomes less than 58 psi, the 1-2 valve will stall or float. This 3-1 or complaint of 3rd neutral will occur in OD or D with scanner indication of 4th commanded. This new spring kit 34994-02K replaces the original 1-2 shift valve spring and 2-3 shift valve spring.

Features & Benefits

- Set allows salvage of stripped cores.
- Restores signal pressure to shift solenoids.
- Improves shift.

Save

\$200 in valve body replacement costs