

COMPLAINT

SECONDARY COMPLAINTS

Reduced 3-4 clutch life

- Poor 2-3 shift feel • 3-2 tie-up

CAUSE

Inadequate metering of the 2nd band servo release oil.

CORRECTION

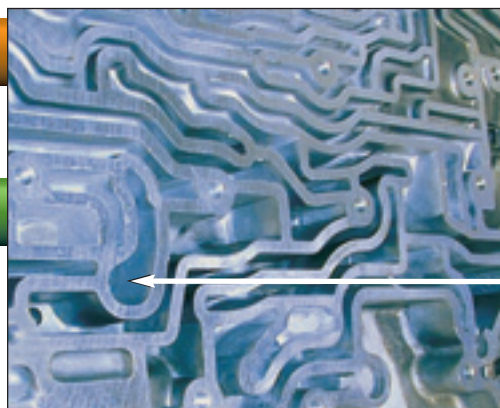
This part combines an orifice with a ball check valve to meter servo release oil.

Servo Release "Check Valve"

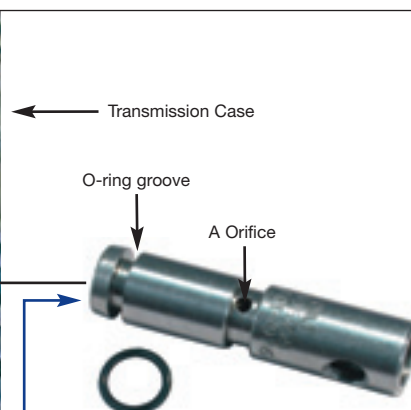
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- 1 Check Valve
- 1 O-Ring

Note: U.S. Patent No. 5,536,221



Must be used with
OEM capsule.



Check Valve™
allows 3-4 clutch feed orifice calibration
without creating 2-3, 3-2 concerns

Note: Enlarge "A" orifice to .120-.125" when used with Corvette 2nd gear servo piston (GM P/N 8642093) or any heavy-duty aftermarket servo piston.

Sonnax Part Summary

Technicians would like to find a way to successfully extend the life of 3-4 clutches, and improve the 2-3 shift feel. They have been trying, with limited success, since the 700-R4 transmission was first introduced. Inadequate metering of 2nd gear band servo release oil causes 3-4 clutch failure. The 3-4 clutch and 2nd gear band are not properly synchronized. Sonnax has now developed a unique solution that combines an orifice with a ball check valve and solves these problems.

Features & Benefits

- Improved design meters servo release oil, reducing 3-4 clutch failure.
- Provides sufficient exhaust so that 3-2 downshifts are smooth.
- Calibrates 3-4 clutch feed orifice without creating shift concerns.