

5L4-ACT-VL

5L40E Actuator Feed Limit Valve Repair

Cadillac 03-06 CTS, 04-06 SRX, 05-06 STS, 04-06 XLR
BMW 01-05 325i, 01-05 330i, 01-03 525i, 01-03 530i

Your fixing Ratio codes PO731, PO732, PO733, PO734, PO735

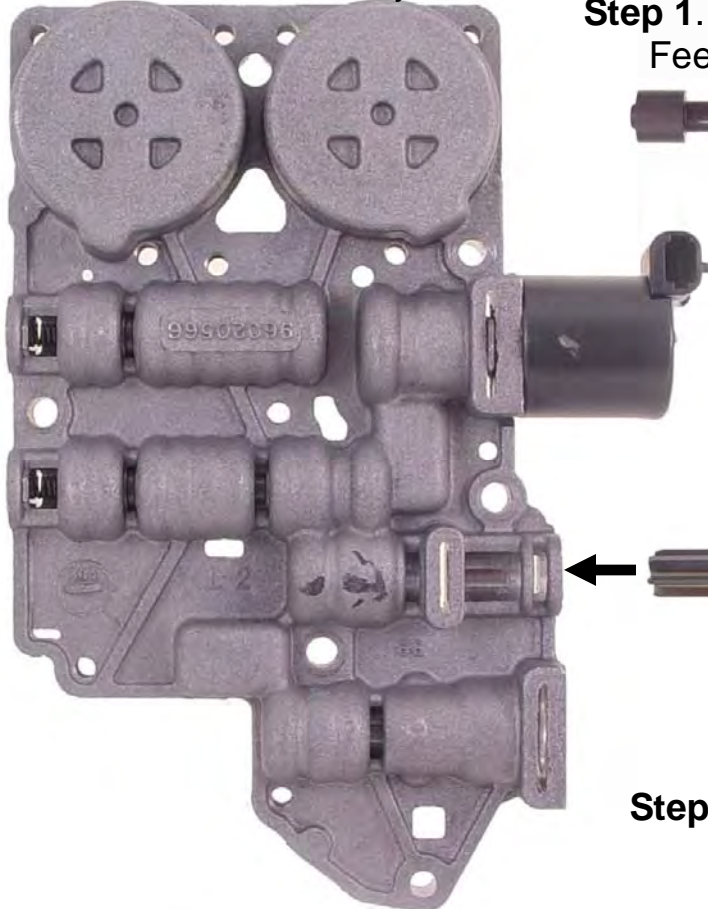
When the feed limit valve bore wears, a loss in pressure rise and shift solenoid oil will follow causing above codes and friction burn-up.

With slight wear at this area, PO735 ratio error 5th gear is common when hot. IF fluid is clean, consider fixing VB in car.

THM 5L40E



Front Control Body



Step 1. Remove and discard original Feed Limit Valve and Spring.



Step 2. Hold VB down flat on bench as shown, with 3/8 drill (cordless works great) **AND OIL**, guide reamer into spring pocket area. Begin light cutting on outer bore (.001). This will become the guide for the actual valve area where the cutting gets heavier. Clean VB. Install **NEW** valve making sure valve slides **freely** in bore before assembly. **Never use Ream dry!**



Step 3. Install new Valve, Orange, Red and White springs.
You just fixed it Gil

5L4-ACT-VL5

Refill Fixes 5 Transmissions

**5L40E: No Move Hot, Oil Out Vent, Drain Back, Pressure Regulator Bore Wear Out.
Fix it better than new without reaming.**



Forward & Coast clutch
piston seal protectors

Seal protectors needed

Direct J-45133

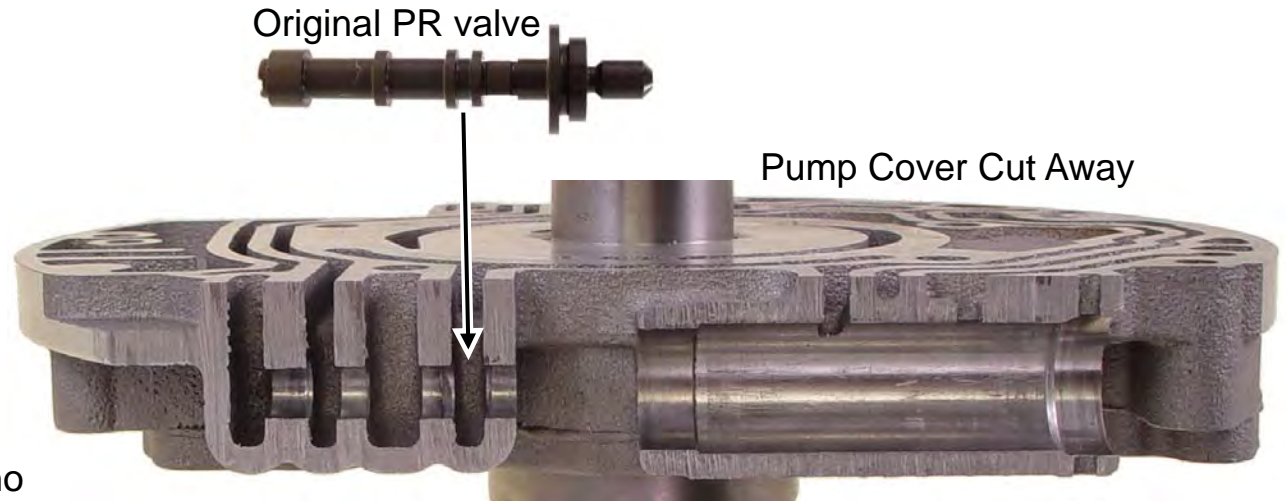
OD J-45135

Low/Rev J-45140 & J-45136

2nd J-46240

2nd coast J-46239

99-02 BMW had different diameter
Low/Rev & 2nd pistons at this time no
seal protectors are available.



Check bore for wear. Place valve where the two skinny lands
line up at the arrow and wiggle valve. If wear is bad enough to
catch the valve, it will stick in use causing no movement.

New PR valve has repositioned lands and a internal exhaust
circuit so both ends of the valve will be supported at all times.

New Valve is a **fix** even with substantial bore wear!

To Install. Remove and discard original PR valve and inner spring.
Place new PR valve in bore and stroke in and out. If you can feel it
catch on ridge just tap it gently side to side till its free. Assemble New
PR Valve, Spring Seat, and New ORANGE inner spring as shown.



Pump Cover

