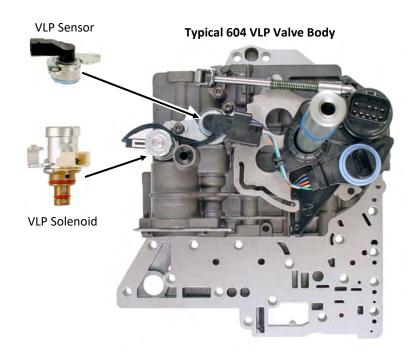
### SK® 42RLE-VLP

Fits 42RLE's & 604's with VLP Solenoid & Sensor

2006-2017 42RLE-VLP (RWD) 2006 up 604-VLP, 40-TES, 41-TES (FWD)

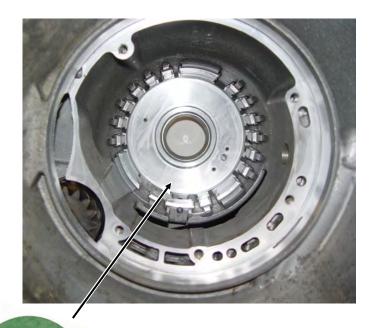
#### **Corrects / Prevents / Reduces**

TCC Slip/Shudder, Overheating, Delay or No Forward or Reverse, 4-3 and 2-1 Coast Clunk



Models Without VLP Sensor & Solenoid Order P/N SK®604









Gasket

Discard OE Housing Gasket. Install new *Non Shrinking Gasket* under Piston Housing. Gasket works with all piston housings.

Housing

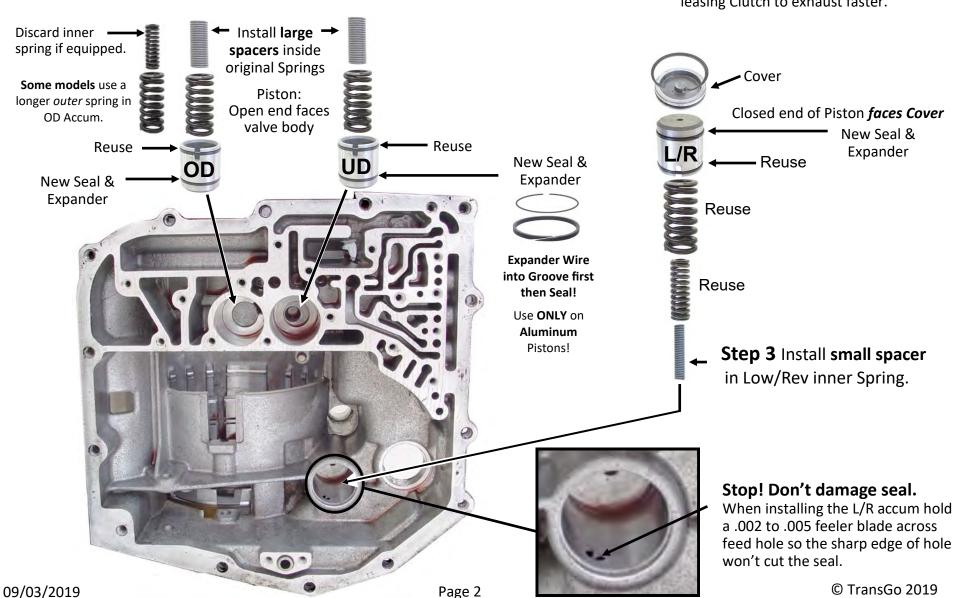
### All Models with <u>Aluminum</u> Pistons do Steps 1, 2 & 3

Plastic Accumulator Pistons- Skip this page & reassemble all accumulators with Original Rings, Springs & No spacers

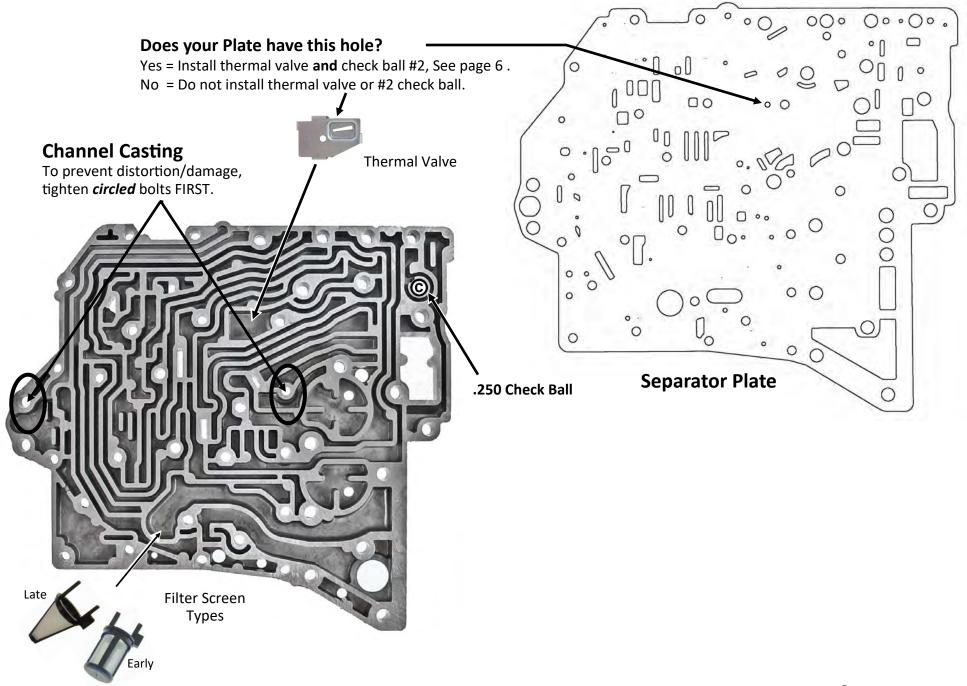
**Step 1.** Install new Expanders & Seals on the CLOSED end of Accumulator Pistons.

**Step 2.** Install Large Spacers into OD & UD Springs.

**Tech:** Installing Spacers causes shifts to be shorter and cleaner. It does this by allowing the releasing Clutch to exhaust faster.

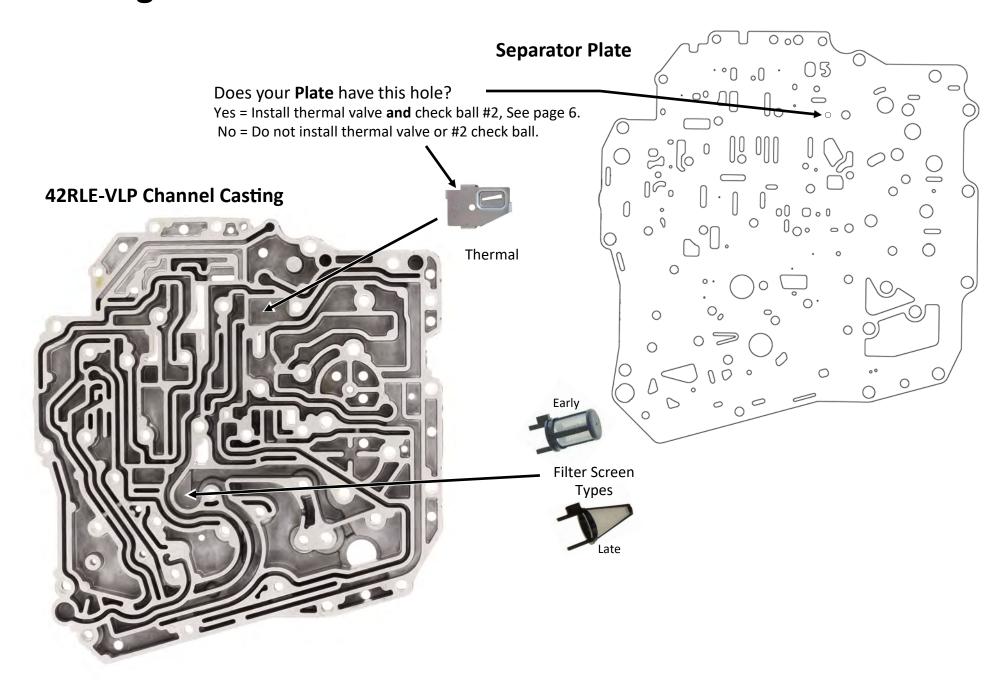


# This Page: 604-VLP, 40TES & 41TES



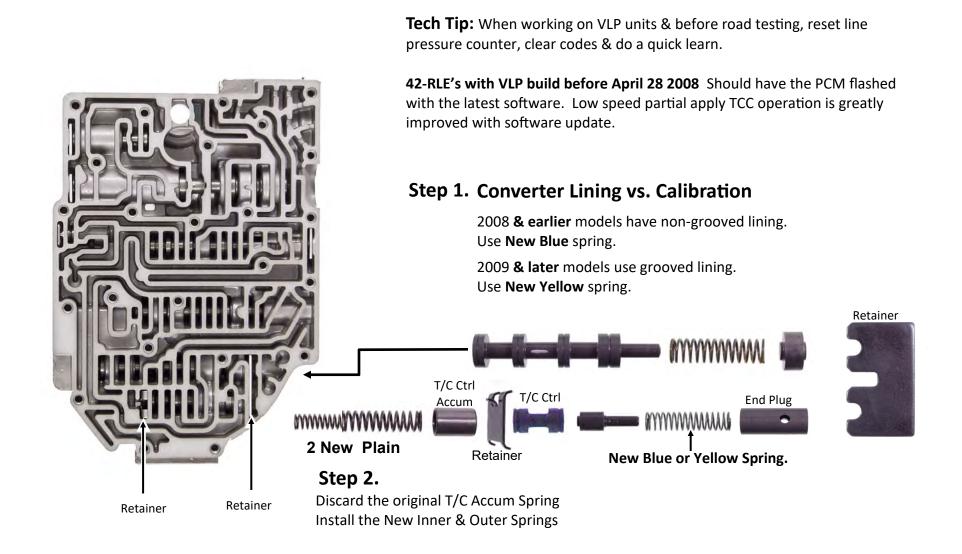
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# This Page: 42RLE-VLP



## ALL models use this page.

Some **2006-2008** vehicles may experience **TCC Shudder** complaints due to a combination of applying Lockup at very low speeds and controlling the slip speed during converter apply. The factory later introduced changes to the converter lining, computer strategy and other areas to try and reduce shudder complaints. Using a better calibration for the type of converter lining used will be a step forward in the right direction.



## ALL models use this page.

#### Step 1.

Install **New TC** Regulator Valve checking that travels freely then **New Orange** Spring & reuse retainer.

Re-Use



New PR Valve

Step 2.

Roller

**Bracket** 

Install **New PR Valve** checking that travels freely then **New White** PR Spring. Re-use Retainer.



All Models Install check balls 3 & 4.

**Note:** Valve land length on the TCC Reg and the PR valves have been extended to renew the hydraulic integrity of the circuit.

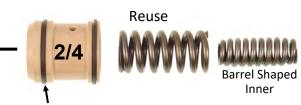
All units WITH thermo element

action channel casting Install #2 Ball.

42RLE Install #5 Ball. (All others = No ball here)



Reassemble 2/4 accumulator with original Rings & Springs.



**Step 3.** 2/4 Accum Piston: Install the Wire Expander & the new Seal on closed end of the Aluminum Piston.

Models with plastic pistons and barrel shaped inner springs, look for piston damage where springs contact piston. OK to swap with aluminum pistons. Just use our seals and expander wires if you do change to aluminum pistons.

**Park lever installation:** While rotating detent plate in direction of arrow hook roller assemble into bracket.

Pressure

Control Solenoid

### 604/42RLE 4th Type\*\* Stack-up

**UD clutch:** Has four .073 thick frictions. High Energy/Brown Paper

**OD clutch:** Has four .073 thick frictions Should be High Energy.

Reverse clutch: Has two .073 frictions High Energy/Brown Paper

Note: Some small engine models can come equipped with only 3 OD clutches & 1 Reverse clutch. This stack-up is not covered here. Use your specific vehicle data when ordering replacement parts.

**UD stack-** Start with .068 steel plate, alternate .073 clutch plates, the stack will end with a friction. Install .061" flat snap-ring, 4th design UD/OD Pressure plate then tapered .090 snap-ring.

**OD stack-** Start with .073 friction plate, alternate with .068 steel plate. The stack will end with a friction plate. Install waved snap-ring, OD/Rev Pressure Plate then install flat snap-ring.

\*Rev stack- Start with .073friction, .068 steel, .073 friction, Pressure Plate and flat selective snap-ring.

Selective Rev Snap Rings: 1.53-1.58mm- # 04377195, 1.77-1.83mm- # 04412871, 2.02-2.07mm- # 04412872, 2.27-2.32mm- # 04412873.

<sup>\*\*</sup>Earlier stack-up- Types 1 through 3 can be found in the SK 604 kit Additional Information Lesson 3A

