

How to disassemble the gearbox energy accumulator

How do you remove a gear box?

From the upper left clockwise; Main shaft bearing and gears, clutch shaft bearing and gears, gear shift assembly, Kick start shaft and gear, idler bracket and gear and the normal and reverse gear shift quadrants. To begin removing the gear box shafts, start by removing the lock washer and 12mm retaining bolt for the idler gear assembly.

How do you remove a B1 accumulator retainer?

Removing the B1-accumulator retainer on the A750E/F, A760E/F/H and A761E valve bodies can be very tough. The retainer holds a spring-loaded cup-style plate that has little clearance within the bore (figures 1 and 2). The plate must be compressed into the bore about 3/16 inch without cocking to remove the retainer.

How do you change accumulator piston?

Tap the hole that feed the backside, or spring side, of the accumulator piston. Install the set screw. Re-install the accumulator piston. What this does is eliminates accumulator function on the 2-3 shift. This results in a very positive 2-3 shift.

What accumulator pistons do I Need?

All that you need is an accumulator piston from the valve body of one of these transmissions: A750E/F, A760E/F/H, A761E, U140E/F, U151E/F, U240E, U241E or U250E. All these accumulator pistons are the same (Figure 3).

Do 4L60-E accumulator valves make a difference?

However, in heavier throttle conditions, the 4L60-E accumulator valve designs provide a noticeably firmer shift. Choosing the correct accumulator valve code and associated spring for your customer can be as simple as A, B, C when you understand the overall hydraulic theory and relative effect of each code.

How do accumulator pistons work?

The 1-2 and 3-4 accumulator pistons are responsible for the 1-2 and 3-4 shift feel by providing the hydraulic cushioning of 2nd clutch and 4th fluid pressure and altering the band apply rate. Both pistons use accumulator pressure fed from the accumulator valve to aid the springs in cushioning the band apply rate for a smoother shift.

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