

8L90-PDP-OS Pulse Dampener Piston Repair

Required Tool Kit: 8L90-PDP-TKC

Fits all 8L90's

Corrects/Prevents/Reduces

Hot Delay in Reverse & 2-3 upshift flare.
TCC Shudder still present after a flush and Refill.
Fill with "Mobil 1 Synthetic LV ATF HP" Fluid.

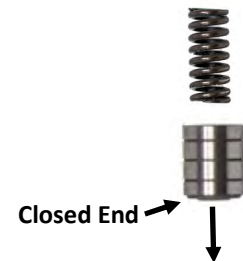


7 oversized dampener & springs are included in this kit:



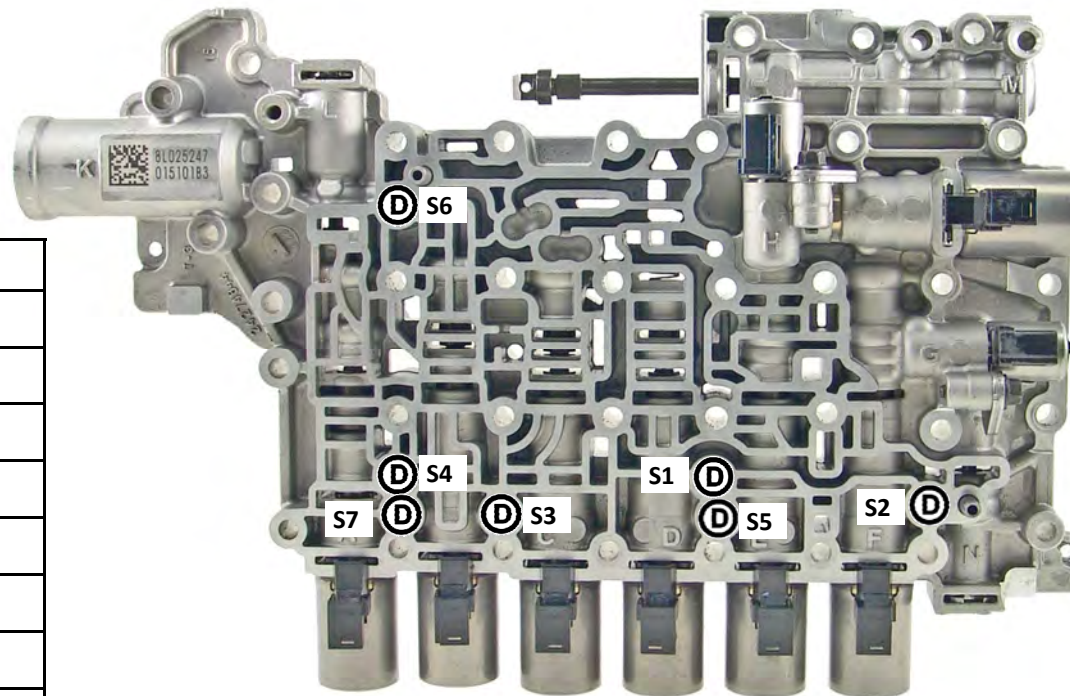
Even a little wiggle has a effect on solenoid pressure to the controlling clutch regulator valves. Flare shifts, harsh shifts or erratic shifts are a result of poor clutch control. A worn dampener must be corrected to provide a smooth solenoid signal to the clutch regulator it serves. The smoother the solenoid signal, the more consistent and cleaner the shifts & TCC will be.

(D) = Pulse Dampener Locations



All 8L90's: Install Closed end of Piston into the channel casting 1st then Spring.

Dampener to Clutch ID	
Solenoid	Clutch
S1	1,2,7,8,Rev
S2	1,2,3,4,5,Rev
S3	1,3,5,6,7
S4	2,3,4,6,8
S5	4,5,6,7,8,Rev
S6	EPC
S7	TCC



Step 1. Install Threaded bushing into Jig tool on the side shown and tighten with pliers.



Jig Tool

Tools shown on this page are not included in this kit.
Need tools? Order TransGo p/n **8L90-PDP-TKC**



Bolts & Wing Nuts

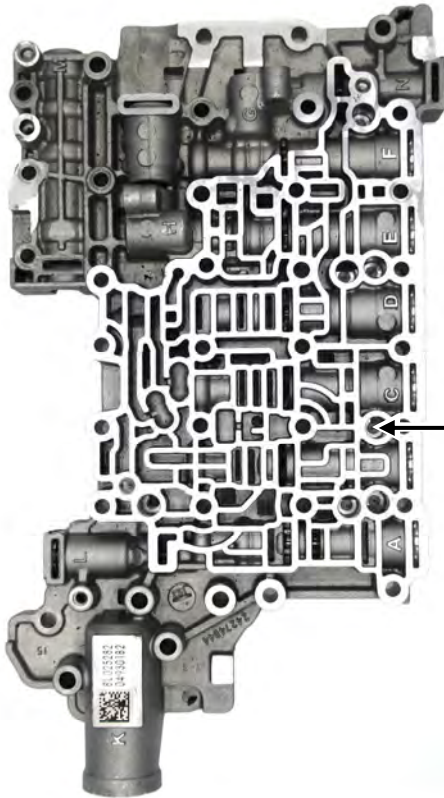


Reamer

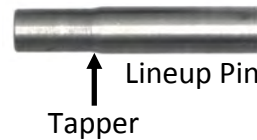


Alum Washers

Heads up this is a carbide reamer for longer tool life.
Always return it to its plastic sleeve to protect it.
Carbide chips if allowed to roll around in a tool box.



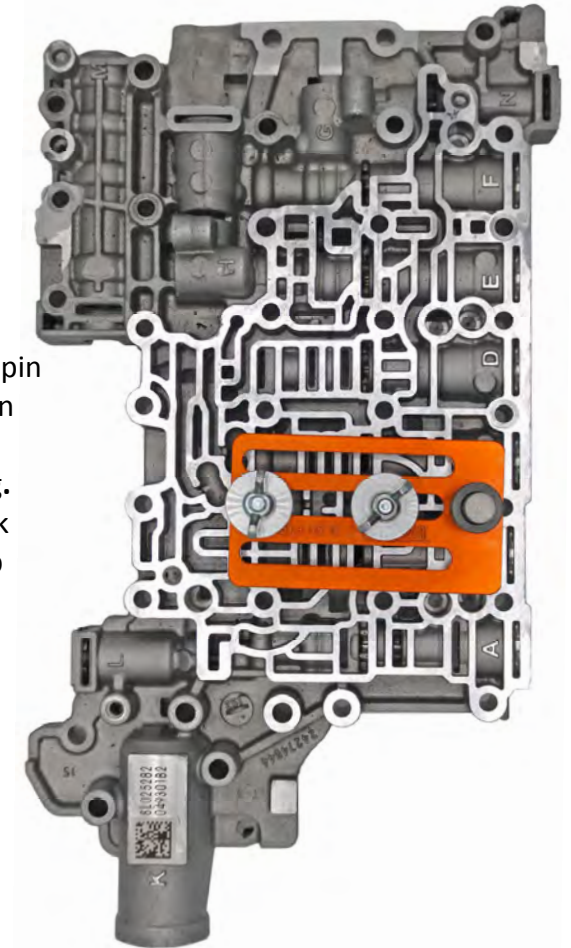
Step 2. Install small end of lineup pin into the dampener hole to be reamed. **Pushing down gently until the taper tightens & centers pin in the worn hole**



Lineup Pin

Tapper

Step 3. Place jig with bushing over lineup pin and rotate jig until two bolt holes lineup in jig slots. **Always use** the thick aluminum washers **on both sides** to protect VB & Jig. Tighten down jig with supplied bolts, thick washers and & wing nuts. Remove lineup pin and its ready to ream.



Step 4. Use lots of WD-40 and **low speed** on your favorite portable drill and let the reamer do the cutting until it bottoms in the bore. Don't force the reamer! Bore finish & Reamer life require a slow inward movement and lots of WD 40. Keep an extra set of **8L90-PDP-OS** dampeners on hand. You'll need them for the next job!