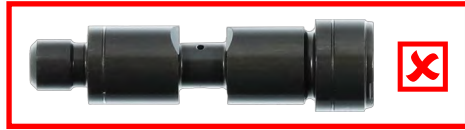


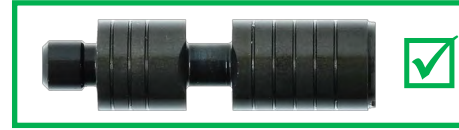
# 8L90-S4LATE-OS



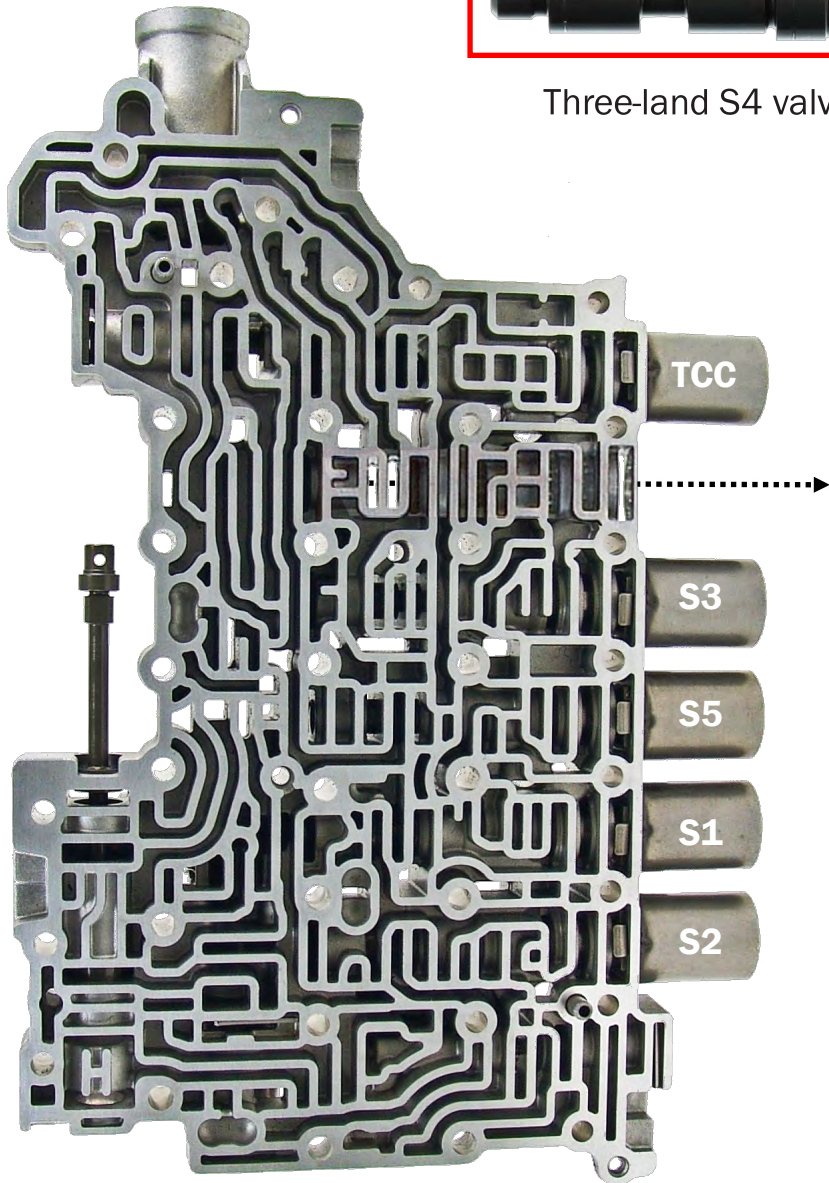
**Note:** This kit fits only the late style **two-land S4 valve**. If you have an earlier three-land style valve, use the drop in valve that comes with our SK 8L90 instead.



Three-land S4 valve



Two-land S4 valve



Spring



Two-land S4 valve



S4 Solenoid



Retainer

**1.** Remove the retainer, S4 solenoid, S4 regulator valve and the spring. Identify the valve to ensure it is a **two-land valve**.

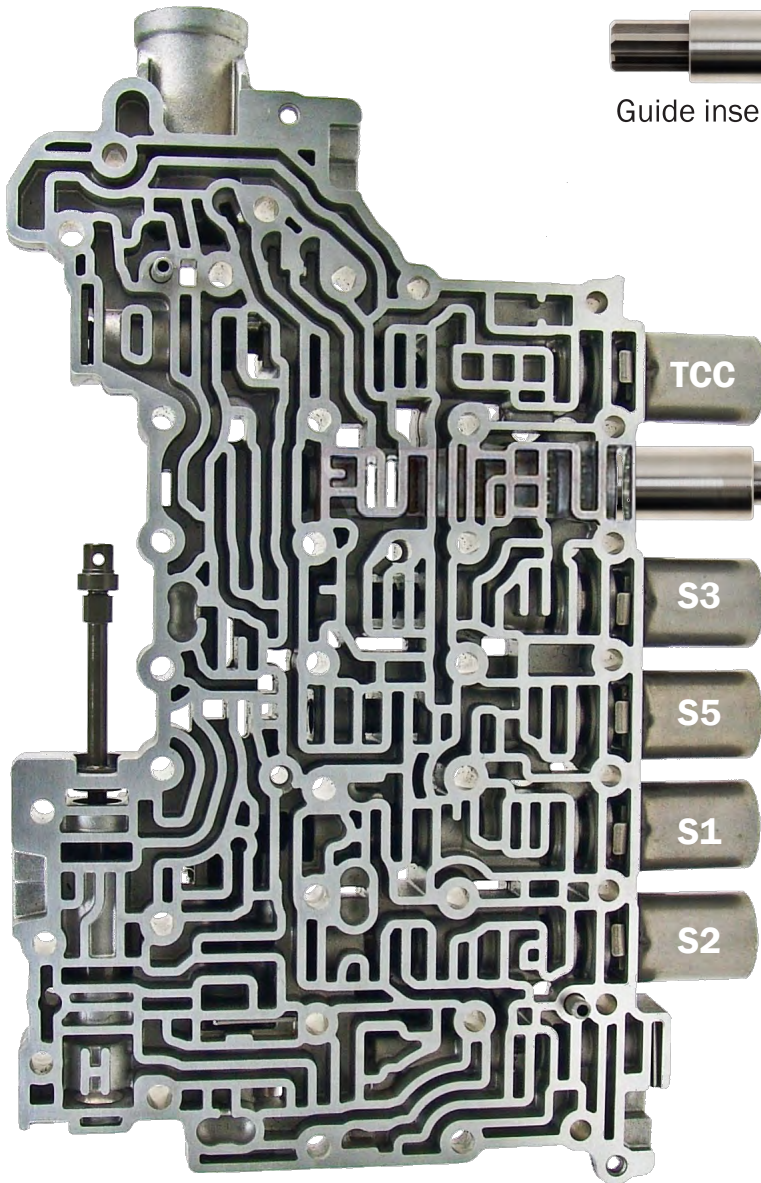
If it is a three-land valve, this is the wrong kit for your application. Use the drop-in valve from our SK-8L90 instead.

Once you have confirmed that it is indeed the correct valve, discard the valve and spring, but keep the solenoid and retainer for reassembly later.

**2.** Slide the **reamer guide** on the reamer with the **large opening of the guide facing the reamer's flutes**. Slide the guide all the way until it bottoms out on the flutes area of the reamer.



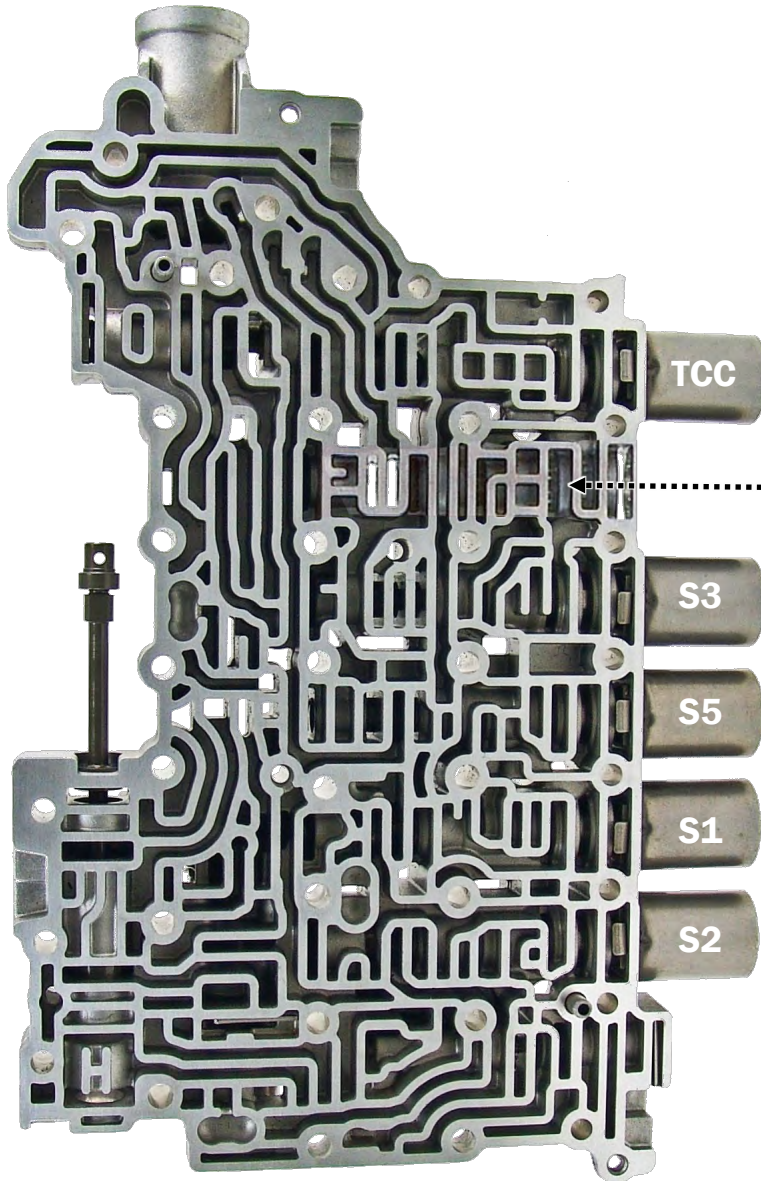
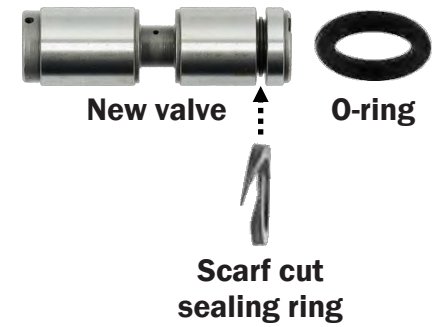
Guide inserted all the way against the flutes of the reamer



**3.** Insert the reamer and guide assembled in the previous step into the S4 regulator valve bore. Using plenty of WD-40®, ream the bore using a hand drill at low speed and let the reamer do the cutting. Don't force it!

**4.** Remove the reamer and guide, thoroughly clean the valve body bore using solvent and compressed air. Insert the **new S4 regulator valve without the ring** in the bore, and make sure it goes in and out freely.

**5.** Insert assembly lube in the ring groove of the **new valve**. Next roll the **scarf cut sealing ring** into the groove. Lastly roll the **O-ring** on top of the sealing ring. Wait a few minutes, then remove the O-ring and the valve will now be ready to be installed in the valve body. For extra insurance, you can place the valve assembly with the O-ring on it in the freezer for 15 minutes, but it is not usually necessary.




**6.** Install the **new yellow spring**, **new S4 regulator valve with the ring**, original solenoid and the retainer in the valve body.

**Listen Up!** Once the new valve is installed in its bore with the ring, removing the valve may damage the ring.



# Other **REPAIR SOLUTIONS** from **TRANSGO**

REQUIRED TOOL



**Everything needed to address the most common 8L45/8L90 complaints.**

**SHIFT KIT® Valve Body Repair Kit #SK 8L90**  
Fits 8L45, 8L90 2015-on

**MADE IN USA**

**Corrects/Prevents/Reduces:**


- TCC instability issues/overheated converter
- Secondary regulator circuit valve body worm track cracking
- Loss of converter feed
- Codes P0218 and P0741
- High line, harsh shifts
- Low line, soft slipping shifts
- Broken hard parts
- Low cooler flow

**Includes:**

- Drop-in PR and shuttle valve line-up
- Drop-in TCC regulator valve
- Drop-in S2, S3 and S4 regulator valves
- Oversize converter feed limit valve
- Oversize AFL valve

**Requires: #AFL-G2-TK**


**Uses same toolkit as the 6-SPD GM/Ford GEN2 & GEN3 kits.**




**MADE IN USA**

**UNIVERSAL TOOL KIT**  
Works with 5 kits

**#AFL-G2-TK**  
This universal tool kit features a high-speed steel reamer and three guides, specifically made to work with five of today's top-selling repair kits.



REQUIRED TOOL



**A quick and easy solution to repair worn 8L45/8L90 pulse damper (accumulator) bores.**

**Pulse Dampers (Accumulators) #8L90-PDP-OS**  
Fits 8L45, 8L90 2015-on

**MADE IN USA**

**Features:**


- Oversized accumulators include matching calibrated springs to maintain the same function as OE and repair higher mileage units with extreme bore wear

**Corrects/Prevents/Reduces:**

- Delayed reverse
- TCC shudder still present after a flush and refill with Mobil 1 LV ATF HP Fluid
- 2-3 upshift flare
- Erratic shifts
- Clunk on coast downshifts


**Requires: #8L90-PDP-TKC**

**Pulse Damper Tool Kit with Carbide Reamer #8L90-PDP-TKC**  
Eliminates the need to purchase a new valve body!



**MADE IN USA**

**CARBIDE REAMER**



**ENGINEERED FOR PERFORMANCE.**  
**DESIGNED FOR DURABILITY.**

