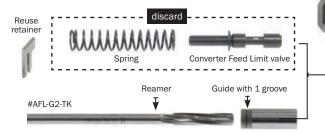
SK® 8L90

Fits 8L45, 8L90 2015-on

This kit requires tool kit #AFL-G2-TK. This is the same tool used for all GM and Ford 6-SPD FWD GEN2 and GEN3 kits.

Corrects/Prevents/Reduces: Casting breakage at secondary regulator due to uncontrolled high line pressure, erratic shifts, burnt frictions, low cooler flow, converter overheating, TCC shudder apply and release issues, shift complaints and ratio codes P0741 and P0218.



STEP 1.

Remove and discard original converter feed limit valve and spring. Save original retainer.

STEP 2.

Using the universal AFL-G2-TK reamer and guide: Select the guide with one groove. Insert the reamer and guide into the bore until it bottoms out. Using plenty of WD-40®, ream the converter feed limit bore

STEP 3.

Remove and discard the TCC, S4, S3, S2 regulator valves and springs.

If you have the late 2-land style S4 regulator valve (see info above), do not use the new valve in this kit.



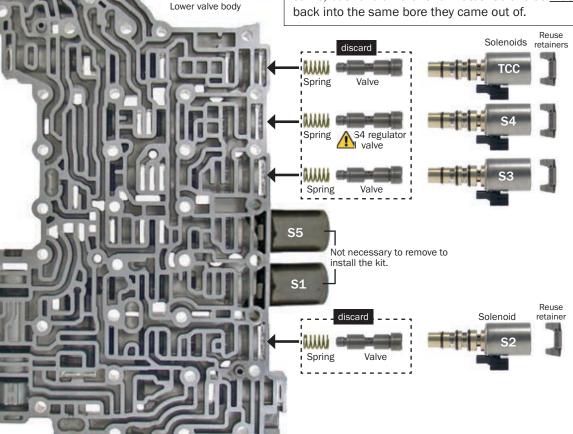


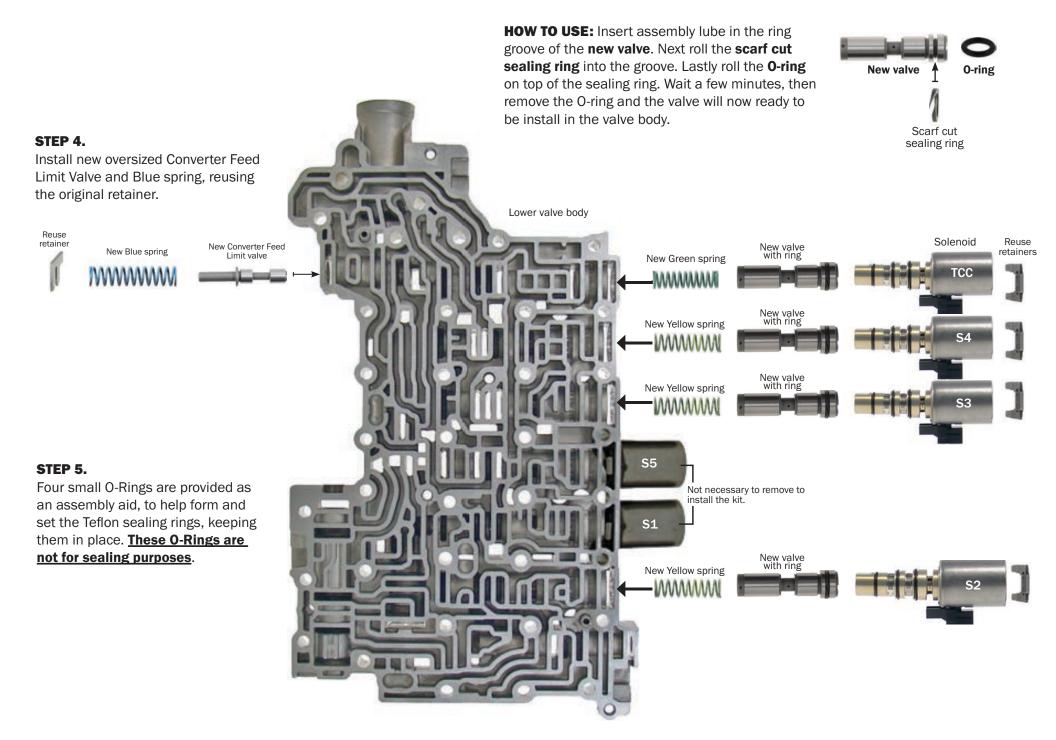


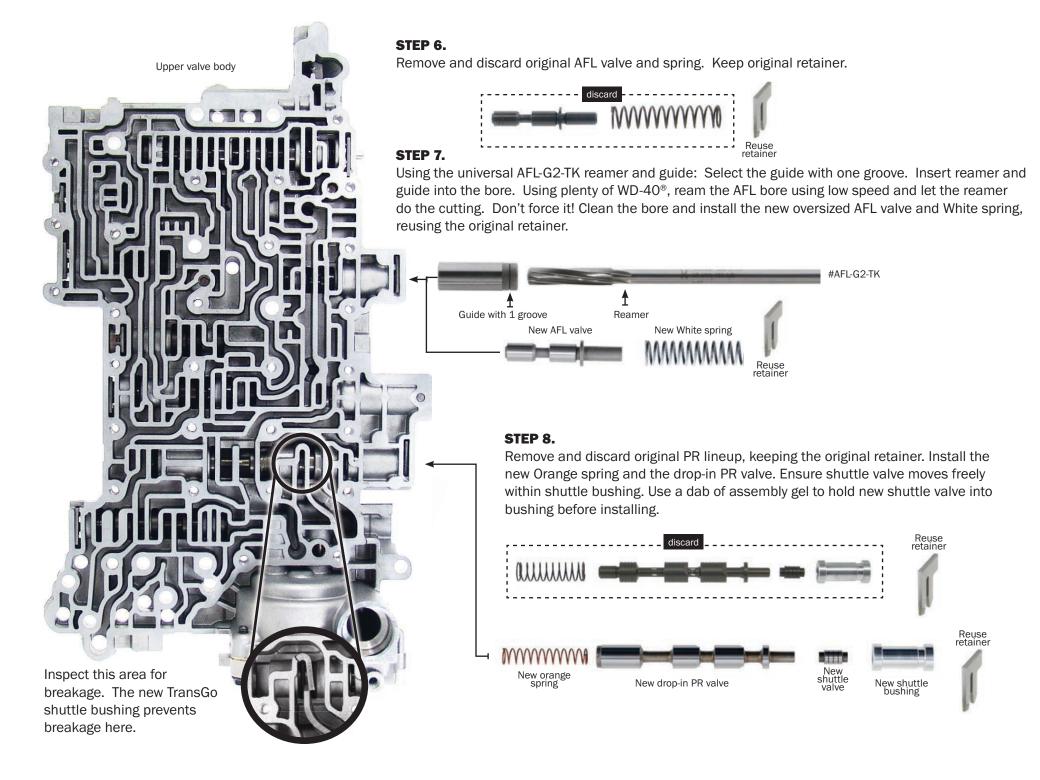
TRANSO

Sometime around 2018, there was a change to the S4 regulator valve. You can identify it by two or three lands, or measure the inboard land (closest to the spring). If you have the late, 2-land style valve (.531"), do not replace it with one of the new solenoid regulator valves provided in this kit. Inspect the bore closely as it does wear out often even with low miles. If your bore is still good, reuse the original S4 valve and spring. If your bore is worn out, order part # 8L90-S4LATE-OS.

IMPORTANT: Pay attention to solenoids as they look the same, but have different flow rates. Solenoids <u>must</u> go back into the same bore they came out of.







Upper Control Valve body

0.250" Check Ball (1)

0.375" Check Ball (1)

Eliminated in late 2015

0.375" Check Ball (2) Only use with stop/start accumulator

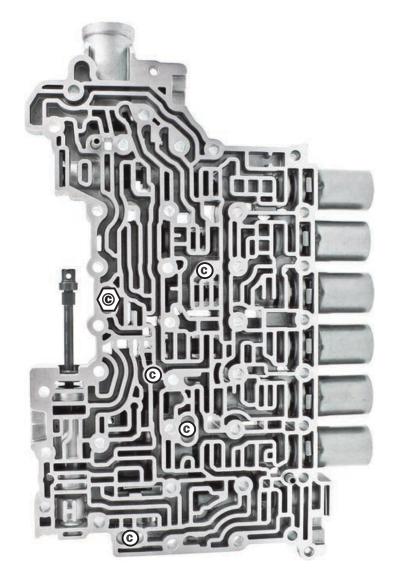
Lube Override Enable Valve

Lower Control Valve body

0.250" Check Ball (4)

0.250" Check Ball (1) Eliminated in late 2015.

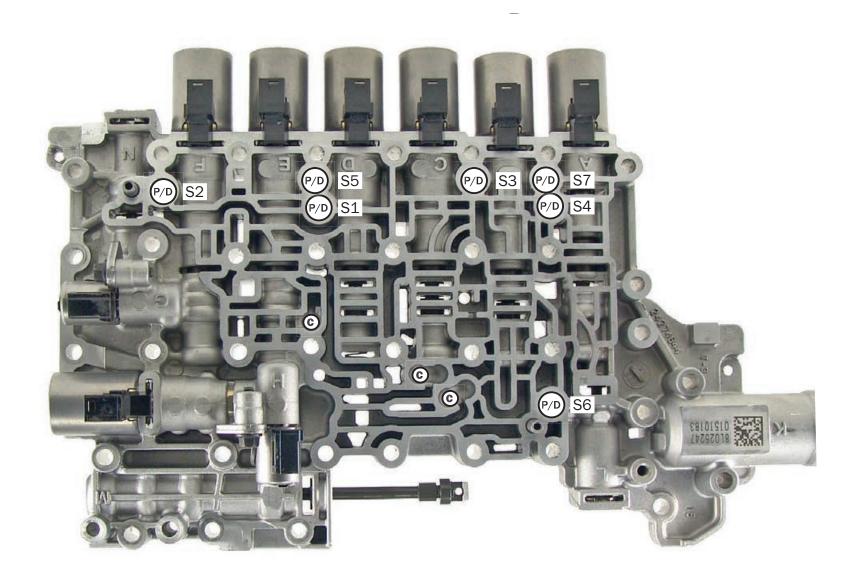
No lube override enable valve in upper control valve body = **NO BALL**

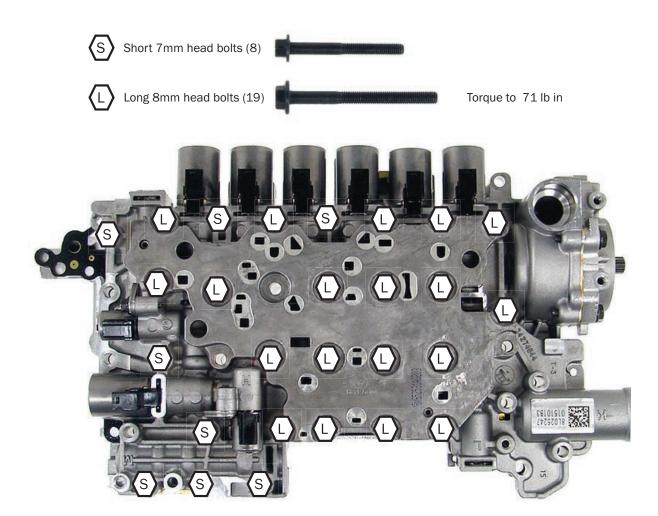


Lower Control Valve body

© 0.250" Check Ball (3)







Listen up!

Once done with the installation, always clear all DTCs and adapts, then perform the relearn procedure using a capable scan tool. Follow the instructions provided by the tool. The procedure will not be completed or will abort if the fluid temperature is not within the correct range, if there are any codes, or if any other conditions listed in the procedure instructions are not met.

Next, conduct an extensive road test to allow for the fine-tuning of each shift. The transmission adapts best under normal driving conditions, so avoid extremely light or heavy-footed driving.

If one or more gear changes do not smooth out, verify that the transmission is at normal operating temperature and that there are no engine, transmission, traction control, or anti-lock DTCs. Numerous codes can cause the computer to pause adaptation. Finally, ensure the vehicle is neither low on fuel nor has a completely full tank. Adaptation may not occur if the fuel level is not between 1/4 and 3/4 of a tank.

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

Complaint

Even a little wear has an effect on solenoid pressure to the controlling clutch regulator valves. Flare, harsh and erratic shifts all are a result of poor clutch control. A worn damper bore 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 and TCC will be.



Pulse Damper Tool Kit with Carbide Reamer PART# 8L90-PDP-TKC

Eliminates the need to purchase a new valve body

Includes: Guide plate, (4) aluminum washers, (2) bolts with butterfly nuts, Pulse damper pocket guide pin and USA made **carbide reamer**.

Pulse Damper Tool Kit

Place the TransGo guide plate with bushing over the lineup pin. Rotate until the two bolt holes lineup in the slots. Use the supplied washers to protect the valve body and guide plate. Tighten down the bolts, remove the pin and its ready to ream with our high quality *carbide reamer* to repair even the most worn bores.

Pulse Dampers

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



Pulse Dampers (Accumulators)
PART# 8L90-PDP-0S

Corrects/Prevents/Reduces:

- · Delayed reverse
- 2-3 up-shift flare
- TCC shudder that is still present after a flush and refill with Mobile 1 LV ATF HP Fluid
- Erratic shifts
- · Clunk on coast downshifts

Includes: (7) USA made hardened steel oversize pulse damper pistons (accumulators) and new springs calibrated to restore OE function. Requires: 8L90-PDP-TKC

