

# SK® 8F35

**Fits: 2019-ON 8F35 & 8F40**

**DOES NOT FIT: 8F24 OR 8F57**



## Corrects/Prevents/Reduces:

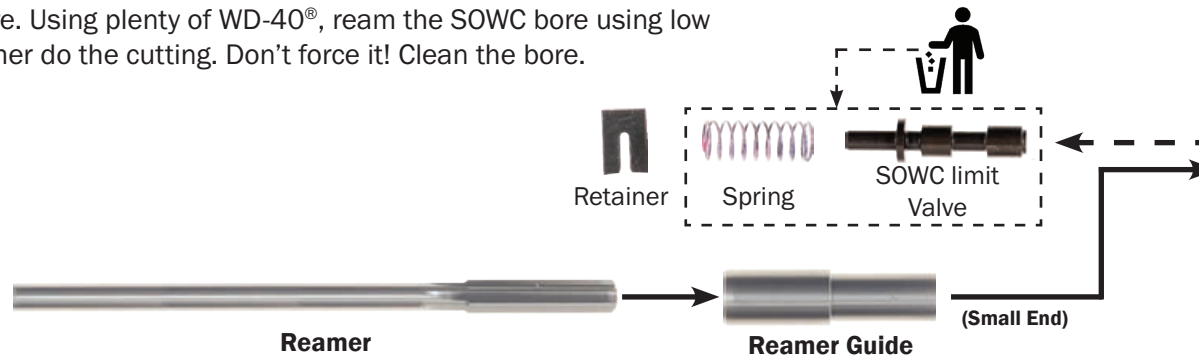
TCC slip, TCC shudder, converter apply and release complaints, soft or harsh shifts, harsh engagements, delayed engagements, pressure regulator valve wear, low or unstable line pressure, latch valve wear and stem damage, cooler/lube flow loss, elevated operating temperature, (Selectable One-way Clutch) SOWC control complaints, and gear ratio or TCC codes caused by hydraulic pressure loss.

### STEP 1.

Remove and discard OE spring and OE SOWC limit valve. Keep retainer for later use.

### STEP 2.

Using the **8F35-SOWC-TK** reamer and guide, insert the reamer guide's **smaller** end into the SOWC bore. Using plenty of WD-40®, ream the SOWC bore using low speed and let the reamer do the cutting. Don't force it! Clean the bore.

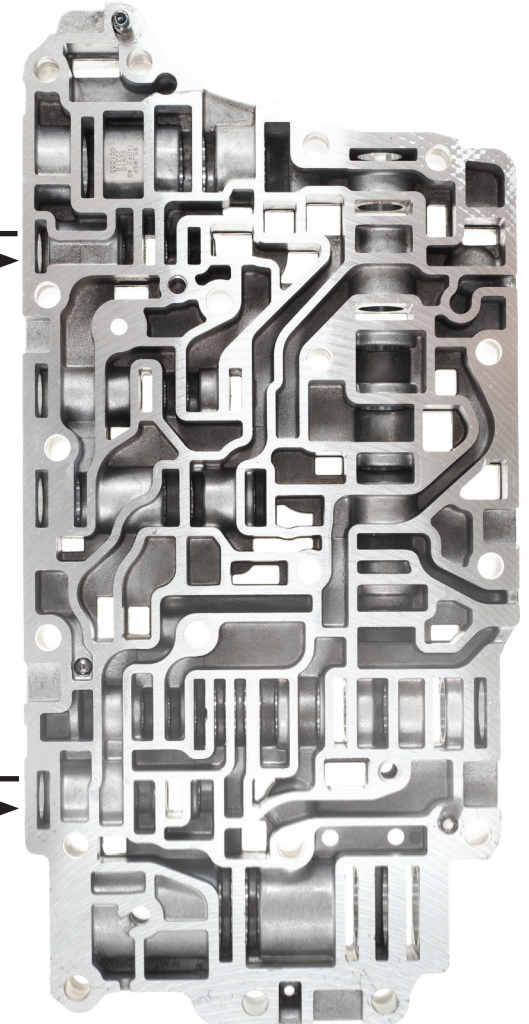
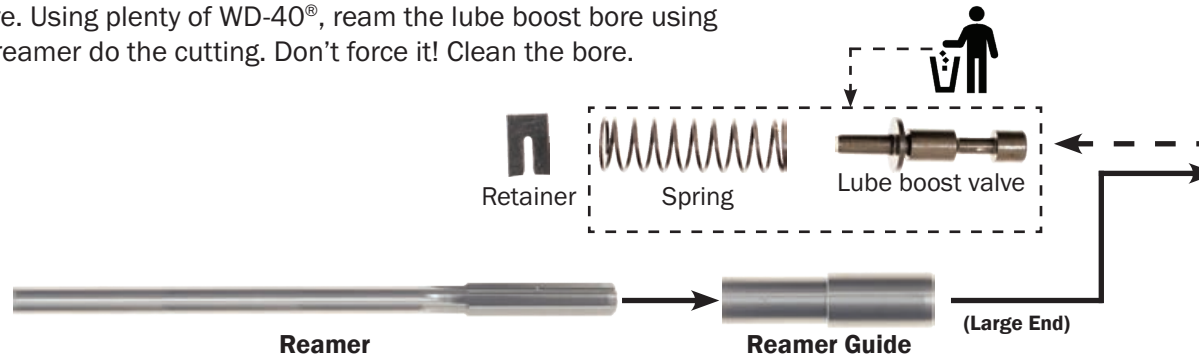


### STEP 3.

Remove and discard OE spring and OE lube boost valve. Keep retainer for later use.

### STEP 4.

Using the **8F35-SOWC-TK** reamer and guide, insert the reamer guide's **larger** end into the lube boost bore. Using plenty of WD-40®, ream the lube boost bore using low speed and let the reamer do the cutting. Don't force it! Clean the bore.



### STEP 5.

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



**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.**



Alum Washers

Reamer



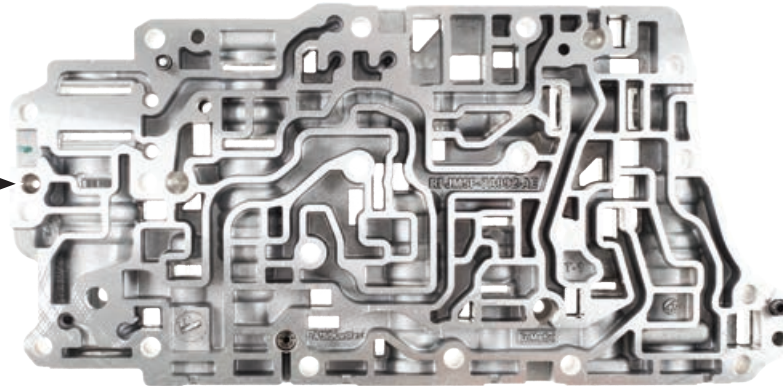
1/4-20 X 2-1/2 Bolts and Wing Nuts

### STEP 6.

Install small end of lineup pin into the damper hole to be reamed.

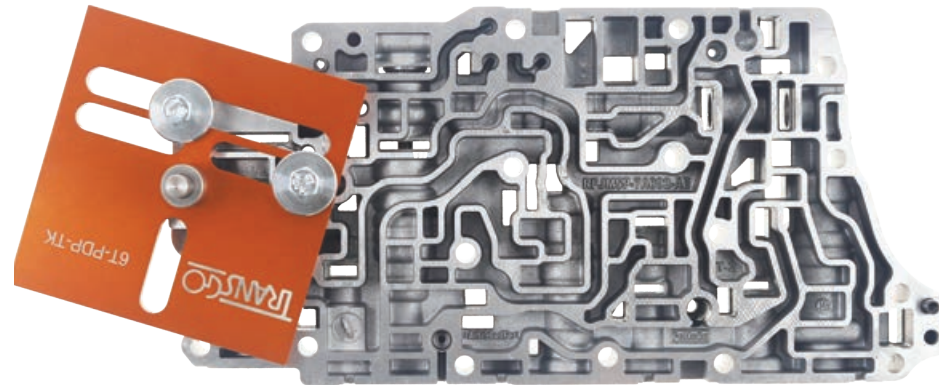


Lineup pin



### STEP 7.

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 and Jig. Tighten down jig with supplied bolts, thick washers and wing nuts. Remove lineup pin and its ready to ream.



### STEP 8.

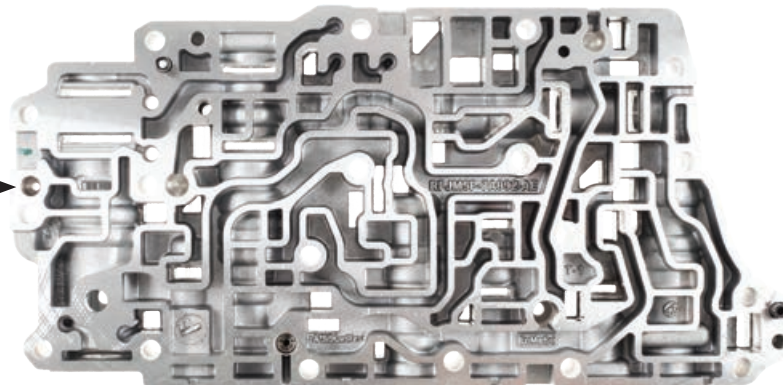
Use lots of WD-40 and **low speed** on your favorite portable drill and let the reamer do the cutting until it bottoms in the bore. Don't force the reamer! Bore finish and Reamer life require a slow inward movement and lots of WD 40.

### STEP 9.

Install new **spring and damper** into reamed bore, spring side first.



Damper with Spring



**Note:** After all reaming steps are done, make sure to clean and remove all contaminants like chips, burrs, etc.

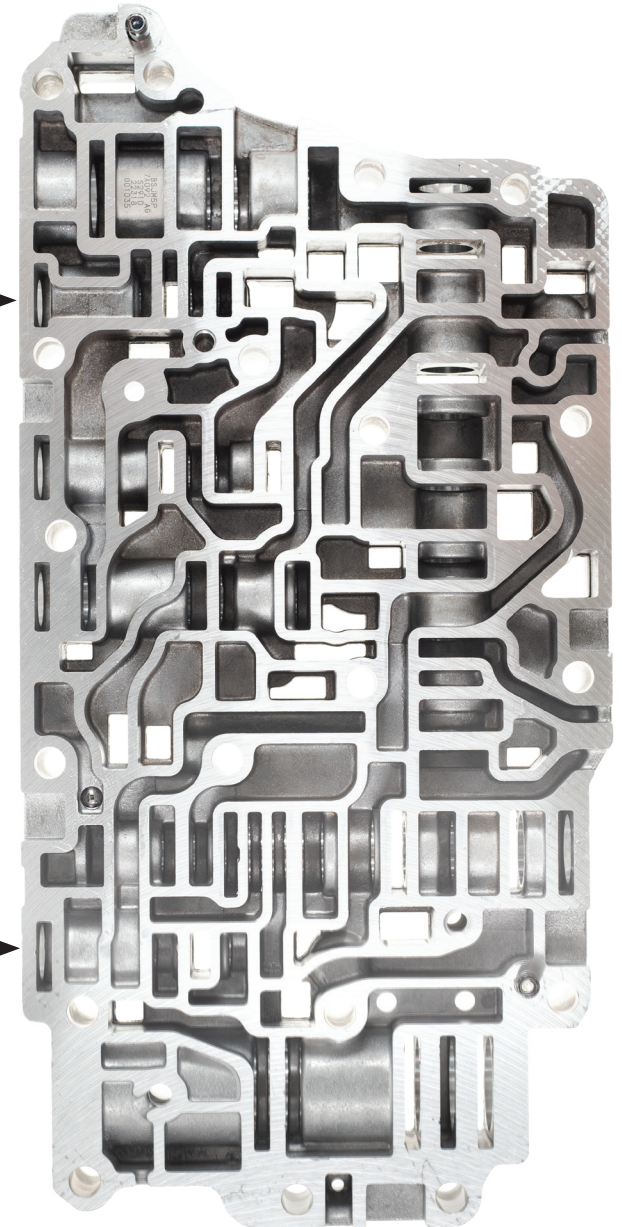
**STEP 10.**

Install the new **SOWC limit valve** and new **white spring**, reuse retainer.



**STEP 11.**

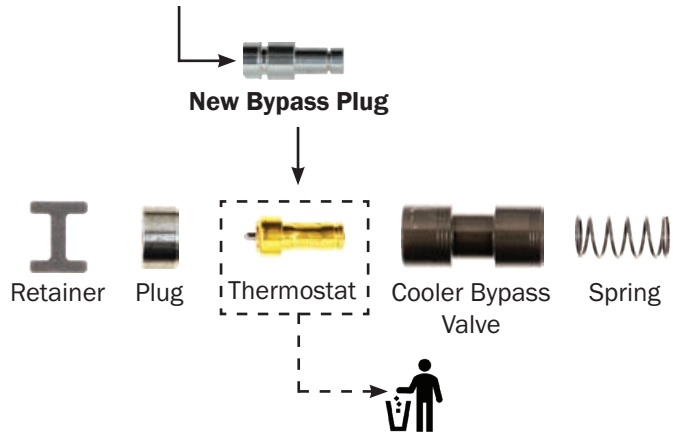
Install the new **lube boost valve** and new **blue spring**, reuse retainer.



### STEP 12. (OPTIONAL)

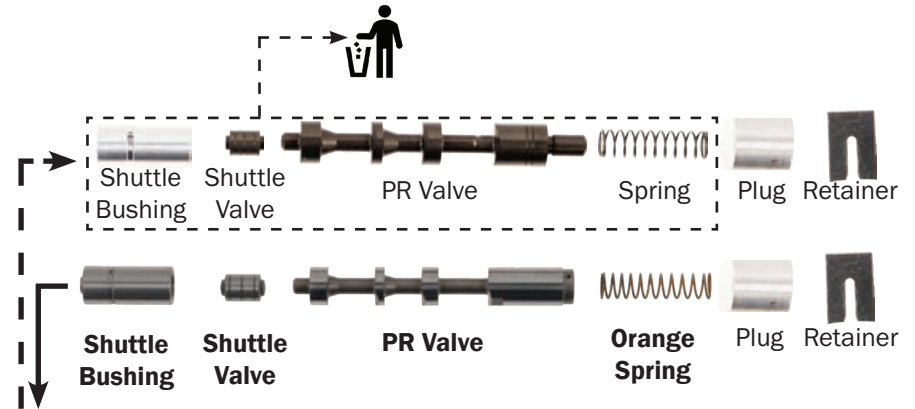
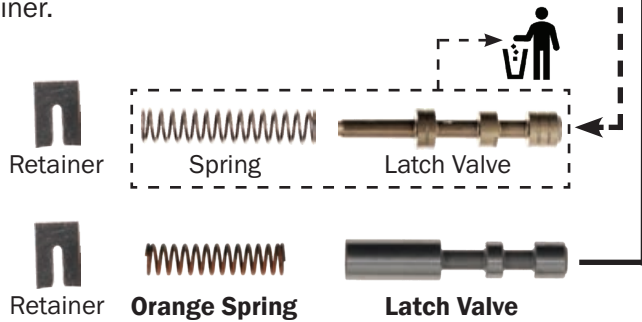
Remove and discard OE thermostat. Install spring, cooler bypass valve, new **bypass plug**, plug, retainer.

If end plug won't go in far enough, grind outer end of the new bypass plug slightly.



### STEP 13.

Remove and discard original spring and latch valve. Install new **latch valve** and **orange spring**. Reuse retainer.



### STEP 14.

Remove and discard original spring, PR valve, and boost valve. Install new **shuttle bushing**, **shuttle valve**, **PR valve**, and **orange spring**. Reuse OE plug and retainer.

### STEP 15.

Remove and discard original spring, TCC valve, and TCC bushing. Install new **red spring**, **TCC valve**, and **TCC bushing**. Reuse OE retainer.

