# **TFOD-Jr Shift Kit**<sup>®</sup>

Prevents/Corrects/Reduces Drain-back--Converter Shudder--Soft shifts Leak out vent or side seal--OD planet burn-up Power loss in reverse hot

No lube cross drilling required. If VB has

cross drilled hole here from previous repair plug it.

C

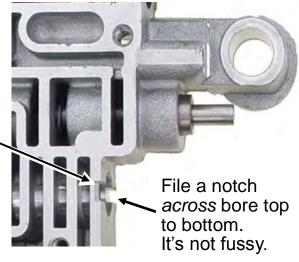


Non lockup Models **SKIP** step one.

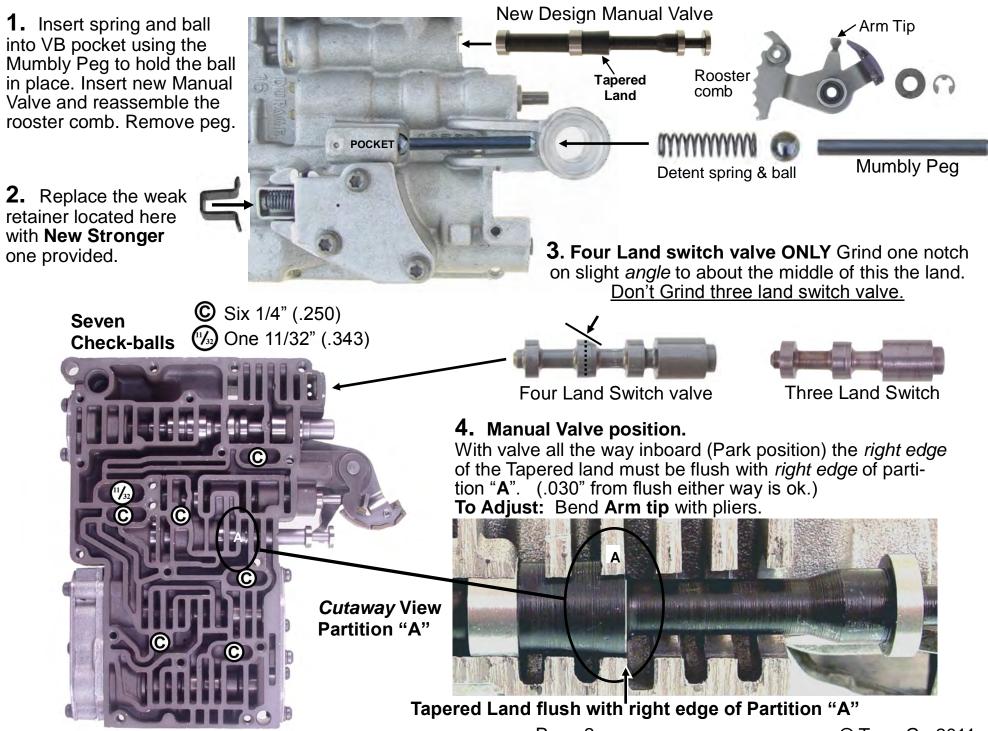
**1.** Drill one or two .076 to .096 holes down through the bottom of the most outboard passage. One Hole = Slightly firmer lockup Two Holes = Much firmer Lockup

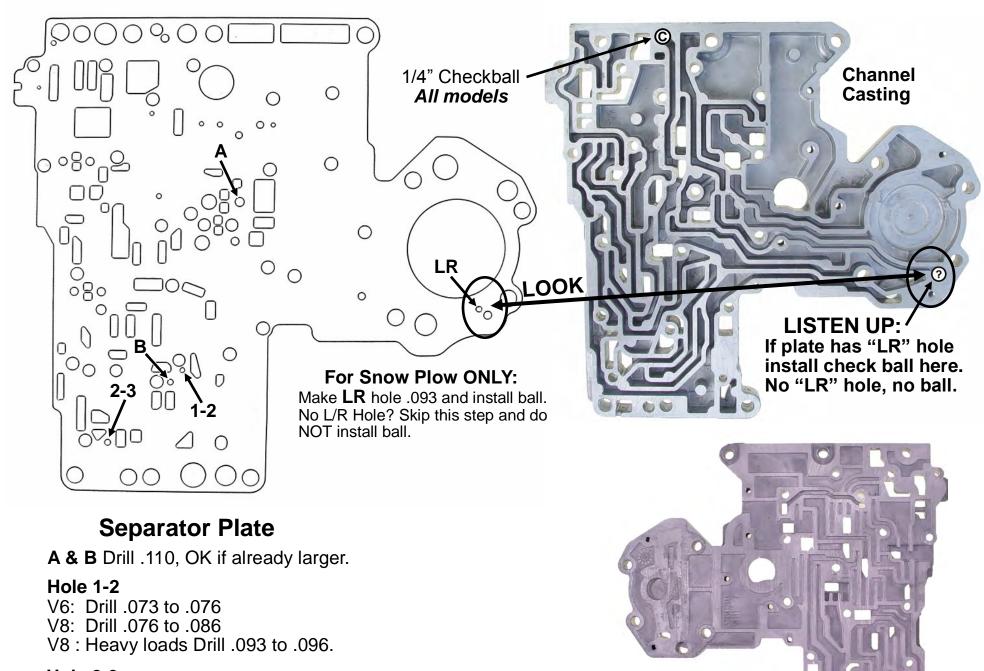
### Updated Product- Watch for changes! Adds cross leak protection!

**2.** Turn the valve body over. Using the edge of a large file, file a notch about *halfway* thru the thickness of this partition.









### Hole 2-3

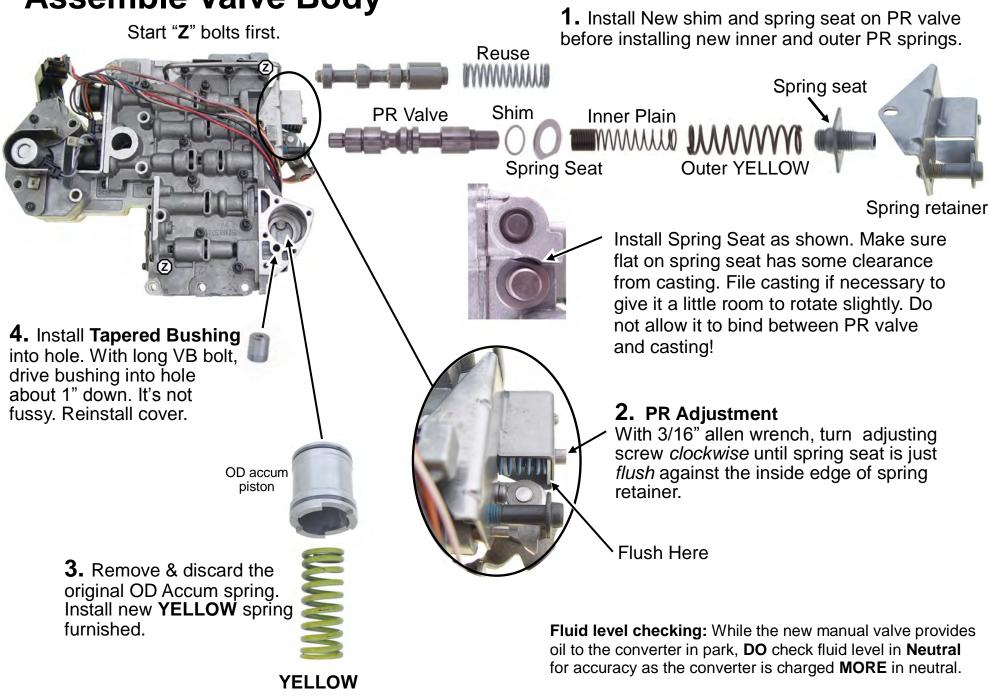
Light duty vehicles: Drill .082 to .086 Heavy loads: Drill .093 to .096.

Page 3

3/16" Check-ball

If channel has tub here

## Assemble Valve Body

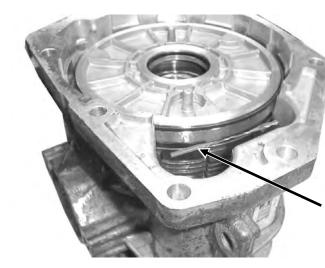


#### **Optional: Gas Only---Not for Diesel** Increase lube flow to OD planet. Decrease **Step 2** Grind thru surface hardening about planet failure on hot trips with heavy loads. 1/16" deep and 3/8" wide in four spots above and below hole "C" and "D". [Even if shaft doesn't have hole "D".] LISTEN UP: Shaft is hard and requires a carbide drill. Then drill four .187 to .200 holes into shaft. If you do not have a 3/16" carbide drill skip step 1 thru 3. Enlarge Hole A Step 1 It's OK, some models Grind surface, .187 to .200. Best results Wrap shop rag here to don't have hole **D** just always use then drill hole hold in vise for drilling. grind & drill as shown. carbide drill C D Short spline Long spline Step 3 Dunk shaft in solvent and drain with Grind surface, short spline end downward to exit any chips. then drill hole Blow thru all the holes to clear out any chips.

### **Additional Repair Data**

Shims available.

.109 = 4431730.124 = 4431585.139 = 4431731.154 = 4431586.169 = 4431732.184 = 4431587.199 = 4431587.214 = 4431588.229 = 4431734.244 = 4431590



To reduce OD planetary failure use synthetic ATF

### Adjusting OD Clutch Clearance:

Assemble OD housing, except do not install the top round snap ring. Insert drill in gap where shown between piston and 4th apply plate. Desired clearance. 095 to .110.

Check clearance with drill bit .095 to .110.

Page 5

# Additional information from TransGo Tech Department.

### **Connector in the case**

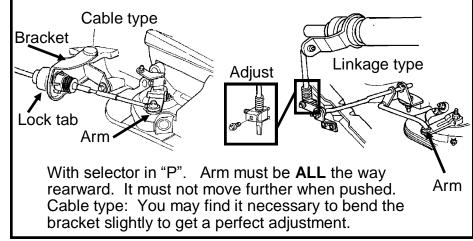


- 1. TCC, Gov,& OD Sol common 12V+
- 2. 5V+ Transducer (gov pressure sender)
- 3. Ground, transducer & thermistor
- 4. Gov pressure signal to TCM
- 5. Variable ground to Gov Solenoid
- 6. Ground from TCM for OD Solenoid
- 7. Ground from TCM for TCC Solenoid
- 8. Temp signal (thermistor) to TCM

### Prevent forward clutch burnup & reduce drainback

ALWAYS check/adjust shift linkage.

**Here's How:** Place the selector in reverse. Then gently move selector to "P". Now, check Shifter Arm on side of trans by trying to move it rearward. If it moves *rearward*, adjust the linkage.



# **Good News!**

Instant FIX for wrong gear starts Saves big \$\$\$. Takes 5 minutes.

**Governor Solenoid Repair Kit** 

## 2nd Design TF-GOV-SOL

Hello Mechanic: This kit fixes complaint way better than new. You will just love it. Gil



Fits: 42RE to 48RE

### All you need to **FIX** six solenoids.

