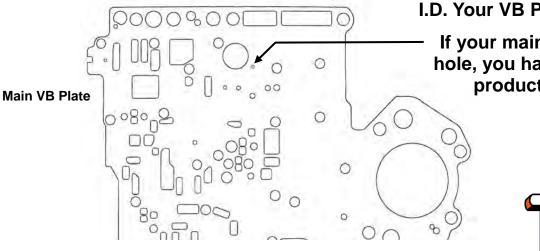
TFOD-3 Reprogramming Kit™

Fits: 1988 & up 500, 518, 42-44-46 and 47RH & RE models

Does NOT Fit 2003 & Up 48RE (See Plate ID Below.)

Short, Firm Shifts with Performance, Durability and "CLASS".
Fully Manual Shifting- no automatic function!
FULL COMMAND CONTROL: Upshift & Backshift to ANY gear you want.

Assures lube flow even with heavy loads on long hills. Reduces drainback and leak out the vent and side seal. Reduces killing engine in reverse.



I.D. Your VB Plate BEFORE Starting!

If your main VB plate has this hole, you have a 48RE and this product will NOT fit it.



06 Aug 2014 TFOD-3 © TransGo 2014



Step 2 Lube and converter flow: Drill a 3/64" (.042 - .047) hole sideways through this wall about an 1/8" down from the top.

To begin, remove Switch valve, PR valve, Manual valve and Rooster Comb.

If working on a NON lockup transmission SKIP Step 1.

Step 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.

PR Valve Bore



Step 3 Four Land switch valve ONLY: Grind one notch on a slight *angle* to about the middle of this land. Don't Grind three land switch valve.

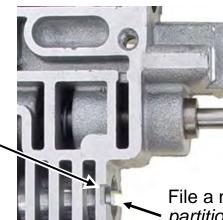


Four Land Switch valve



Three Land Switch

Step 4 With Manual valve removed turn the valve body over. Using the edge of a large file, file a notch about *halfway* thru the thickness of this partition.



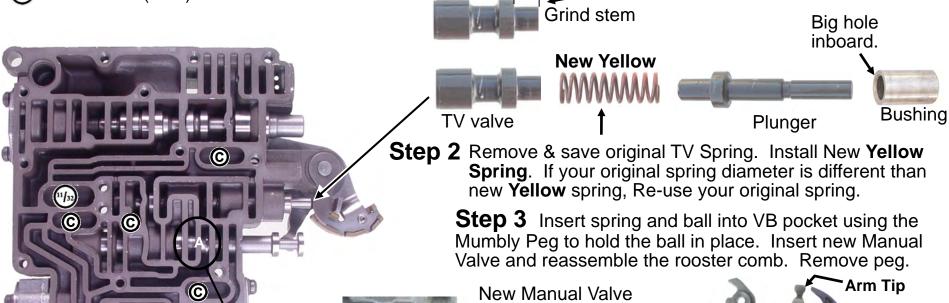
File a notch *across* partition here. It's not fussy.

Page 1

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Seven Checkballs

- © Six 1/4" (.250)
- One 11/32" (.343)



POCKET

Cutaway View

TV valve

9/32"

Step 5

Optional For a MUCH FIRMER 1-2 shift, leave this ball out ONLY if the Rear Servo Parts HAVE been installed. See Page 7, Step 1.

Partition "A"

Tapered Land flush with right edge of Partition "A"

Step 4 Manual Valve position.

With valve all the way inboard (Park position) the *right edge* of the Tapered land must be flush with *right edge* of partition "**A**". (.030" from flush either way is ok.)

To Adjust:

Step 1

Rooster comb

Detent spring

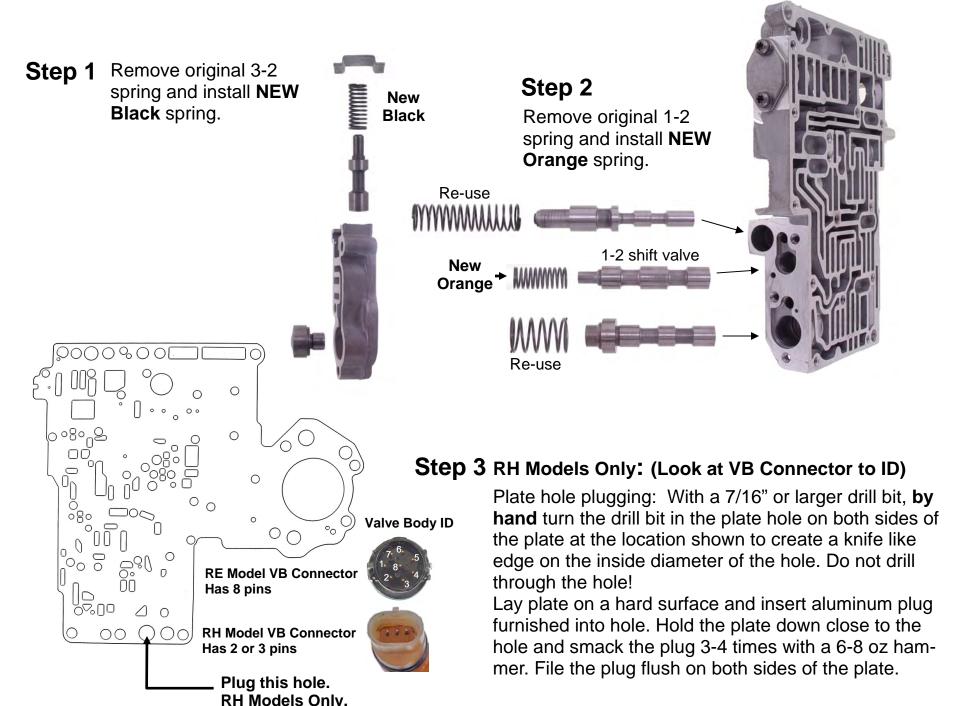
& ball

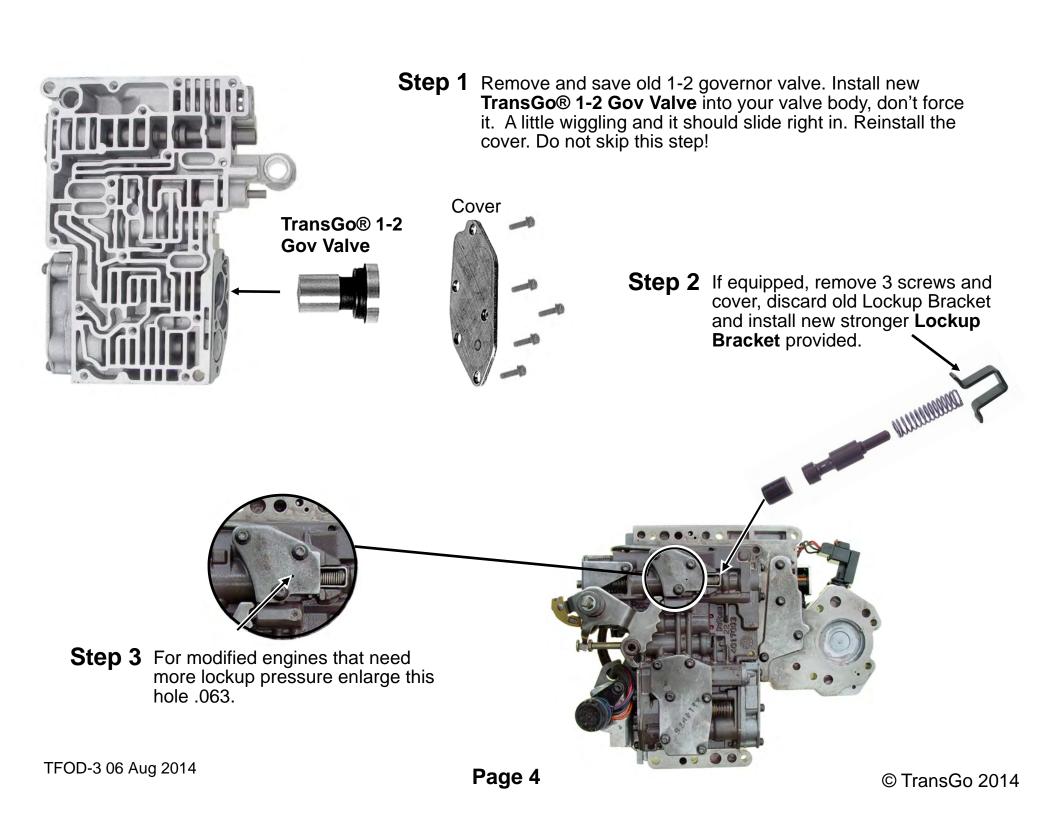
Grind the stem end of the

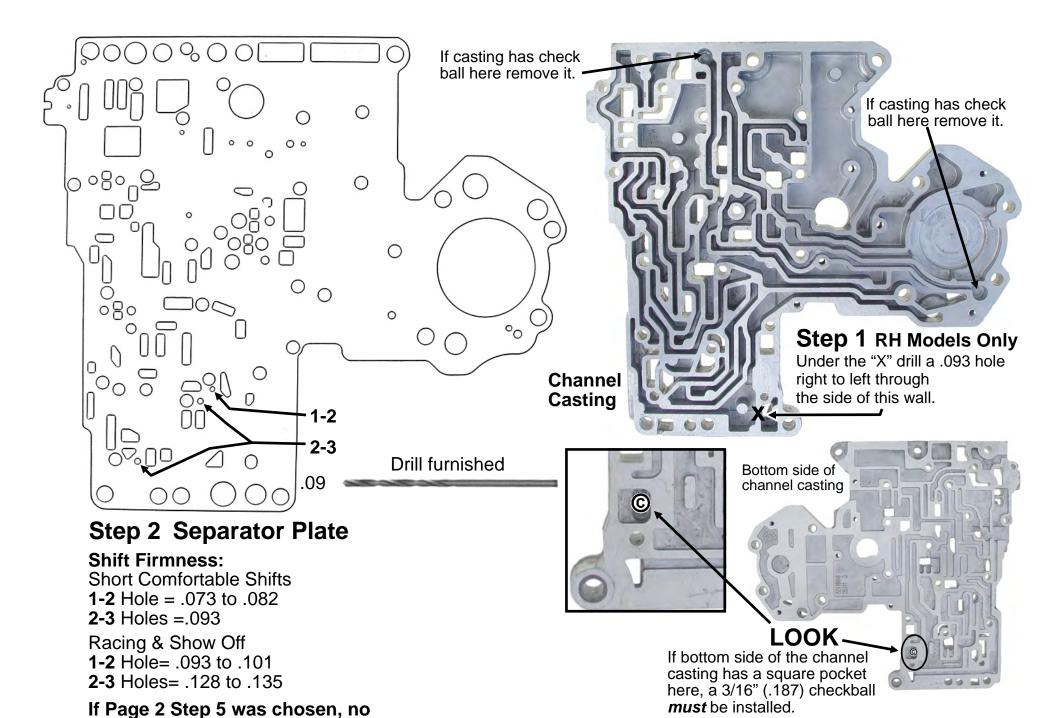
TV valve to 9/32". (.281)

Bend Arm tip with pliers.

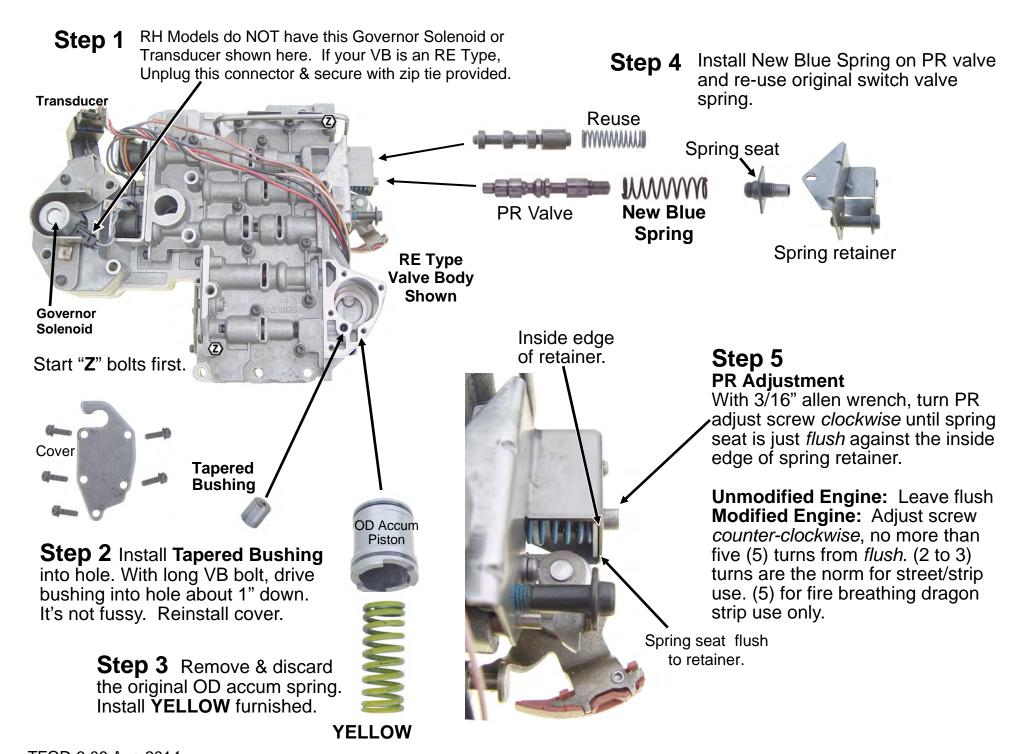
Mumbly Peg







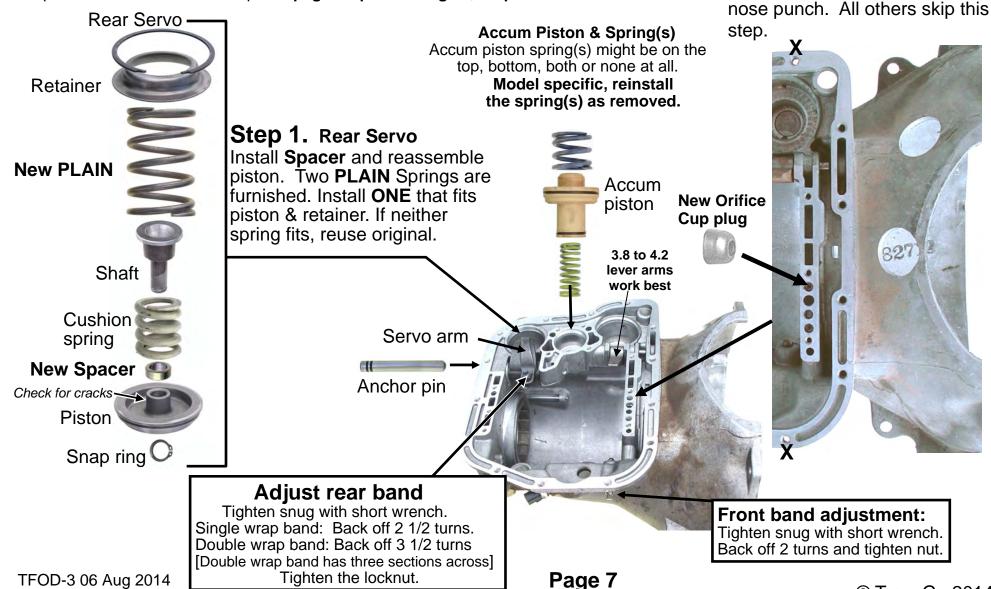
need to drill 1-2 hole.



LISTEN UP!

Rear servo parts **MUST** be installed if optional 1-2 shift check ball is removed from the VB! See **Page 2**, **Step 5**. **Do NOT do Page 2**, **Step 5** if you are unable to install rear servo parts!

Some models require the removal of the servo anchor pin & servo arm to install the servo parts. Access to pin requires removing bolts from overdrive housing and sliding it back far enough to remove anchor pin. Seek the help of a professional trans tech or skip **this page Step 1** and **Page 2**, **Step 5**.



Step 2 Measure the distance

marked by the "X's". If the dis-

approx 14 1/2" install the orifice

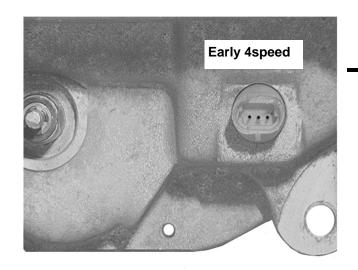
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cup plug furnished with a flat

between the 2 pan bolt holes

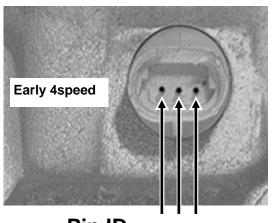
tance between the holes is

Driver Controlled 4th and TCC



RH Model Connector

Models without TCC have 2 pins here. (OD Solenoid Only)



Pin ID 6 1 7

RE Model Connector



Pin ID

Connector in the case

Pin ID

- 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

4th gear is driver selected with a toggle switch mounted in the drivers compartment. Lock-up is also driver selected with a separate toggle switch, or can be made to apply along with 4th from the same switch. We prefer separate switches. Always turn off lock-up first before downshifting.

STEP 1 Connect an ignition switch operated 10 amp fused 12V (B+) supply to terminal 1.

Step 2 Connect terminal 6 to one side of a toggle switch and the other side of the switch to ground. This is for 4th.

Step 3 Lock-up can be controlled separately by connecting terminal 7 to one side of a 2nd toggle switch and the other side of the 2nd switch to ground. Or it can be connected along with terminal 6 to use 1 switch to turn lock-up and 4th on together.