# **TF-2** *REPROGRAMMING KIT*<sup>™</sup> High Performance & Heavy Duty

This Kit fits:

1960up Alum Torqueflite Rear Drive Three Speed

\*Note: Optional Gear Command is not available on 1960-65 models. See page 6 for details. Got a Four Speed? Use TFOD-HD2

This is not a "do it yourself" kit. It is for the Experienced, Professional Trans Mechanic only.

# Rip Roaring, Coffee Spilling, Tire Blazing, Brutal Shifts ~Or~

#### Short, Firm Shifts with Performance, Durability and "CLASS" Shift Command Feature:

#### Holds 1st and 2nd to any engine speed--Backshift to ANY gear you want

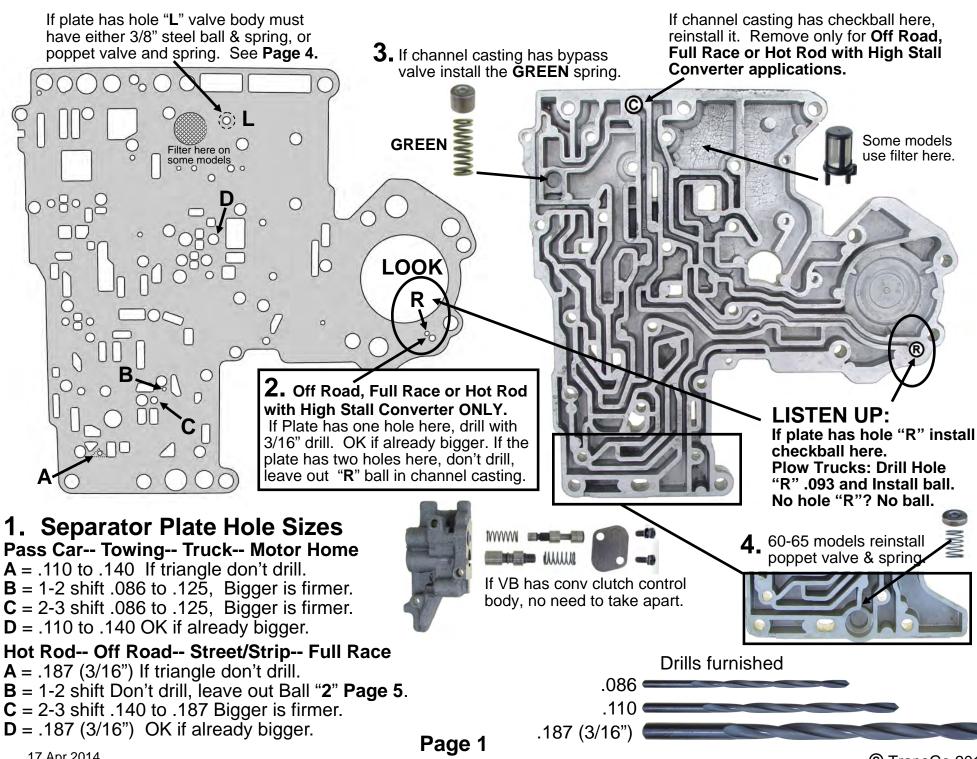
Assures lube flow even with heavy loads on long hills. Reduces drainback and leak out the vent and side seal. Reduces killing engine in reverse.



You'll just Love it.

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17 Apr 2014



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**1.** Remove E-clip & washer. Remove rooster comb, being careful to catch ball & spring. Discard original manual valve.

**2.** Turn the valve body over.

Using the edge of a large file,

file a notch about halfway thru

the thickness of this partition.

POCKET

New Design Manual Valve

Rooster

comb

Arm Tip

#### 1960-65 models with Rear Pump Skip this page!

Fluid level checking: While the new manual valve provides oil to the converter in park, **DO** check fluid level in **Neutral** for accuracy as the converter is charged **MORE** in neutral.

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Detent spring & ball

E-clip

Washer

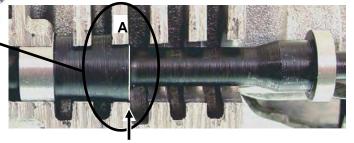
**Mumbly Peg** 

**3.** Insert spring and ball into VB pocket using the **Mumbly Peg** to hold the ball in place. Insert new **Manual Valve** and reassemble the rooster comb. Remove peg.

#### 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:** Bend **Arm tip** with pliers.

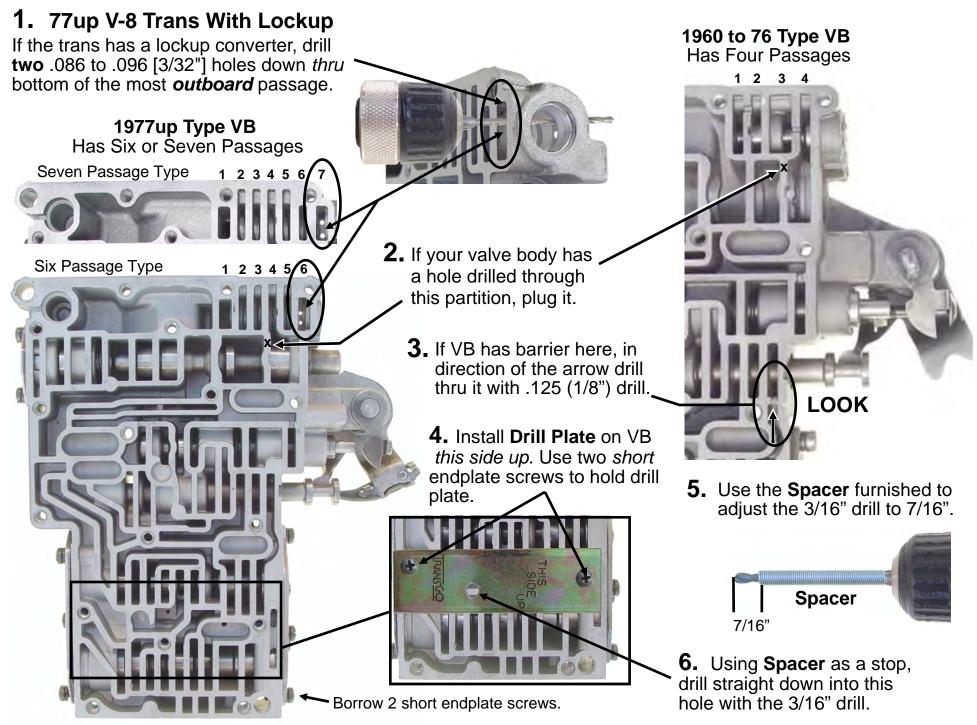
## *Cutaway* View Partition "A"

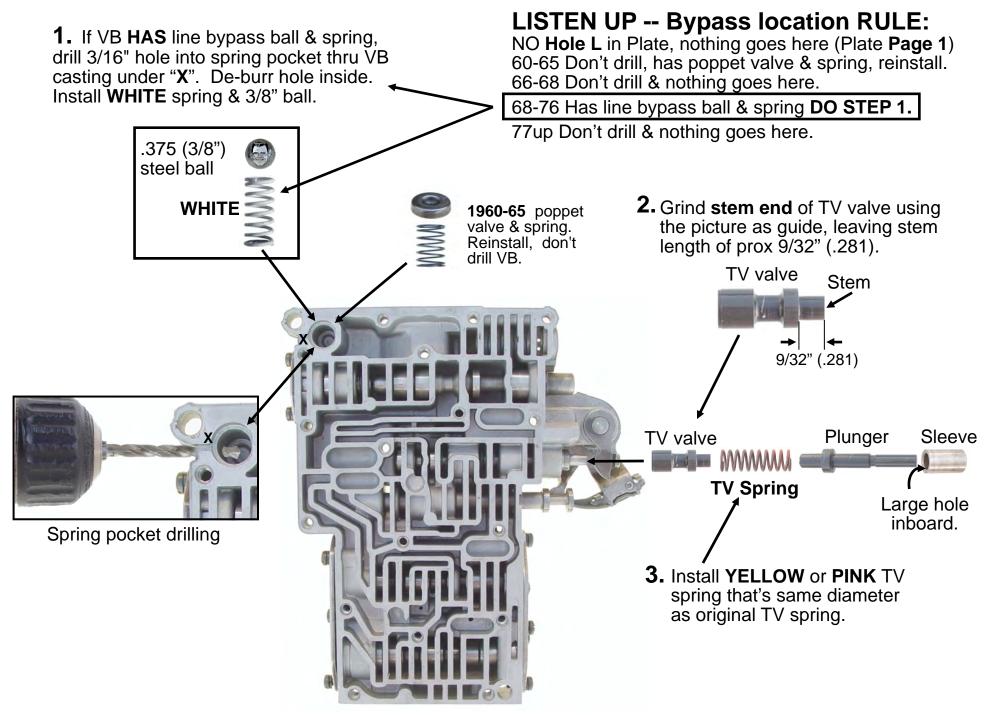


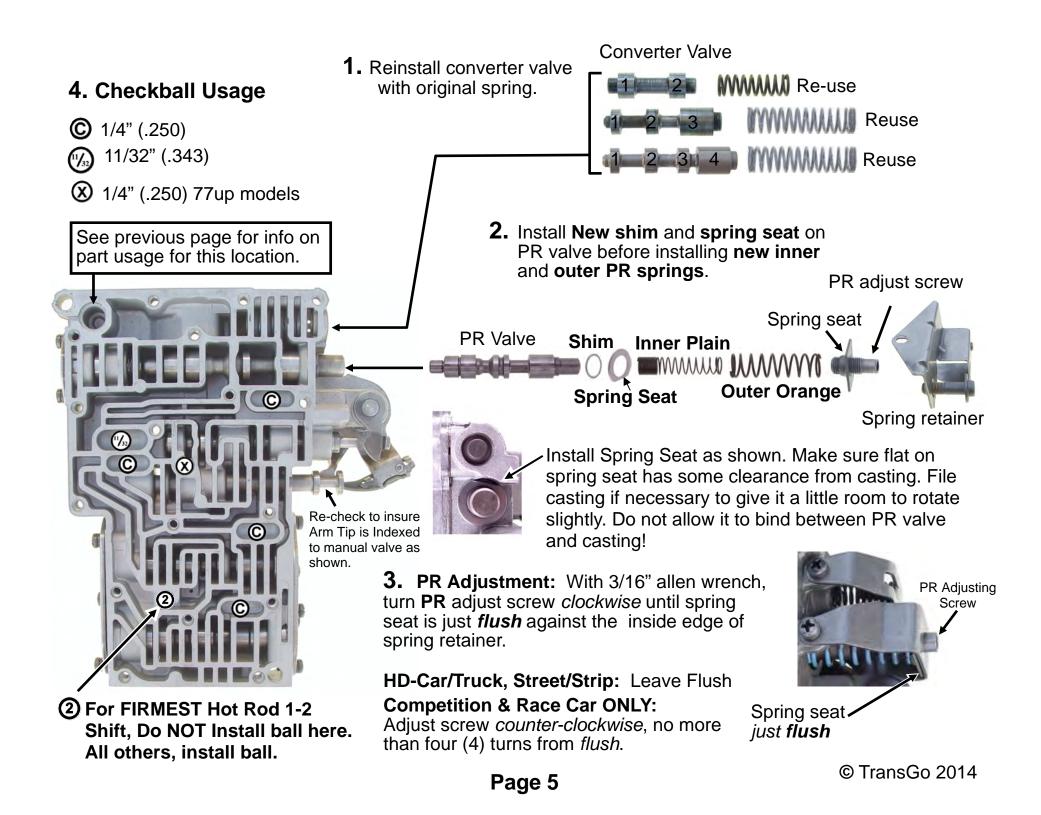
Tapered Land flush with right edge of Partition "A"

File a notch across bore top to bottom. It's not fussy.

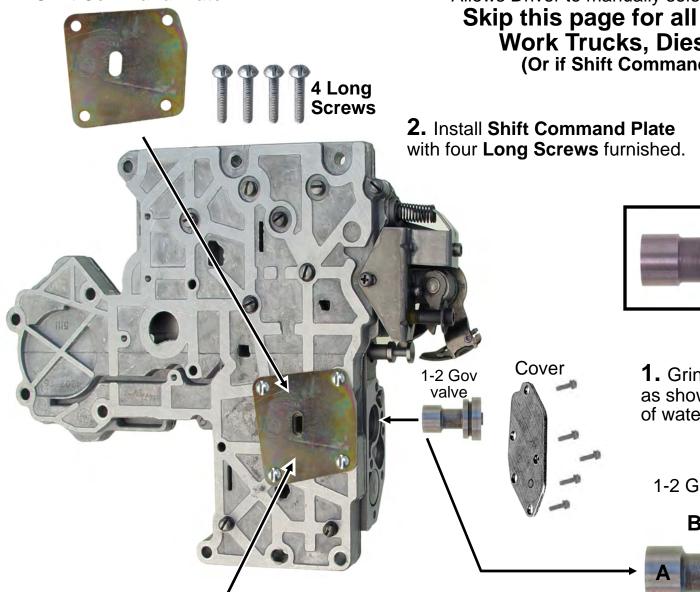
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#### Shift Command Plate



LISTEN UP: If you didn't grind 1-2 Gov valve, DON'T install this plate!

### **Optional Shift Command Feature**

Allows Driver to manually select Manual Low Gear at any speed. Skip this page for all 1960-65 models OR any Work Trucks, Diesels or Motor Homes.

(Or if Shift Command feature is not desired.)

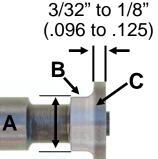


Skip this page if: Your 1-2 governor valve looks like this!

**1.** Grind original 1-2 Governor Valve as shown. It gets *hot* so have a dish of water handy.

1-2 Gov valve





Grind land "B" to prox diameter of land "A". Grind land "C" 3/32" to 1/8" wide.

