AODE-3 Also Fits: 4R70W

Reprogramming Kit™

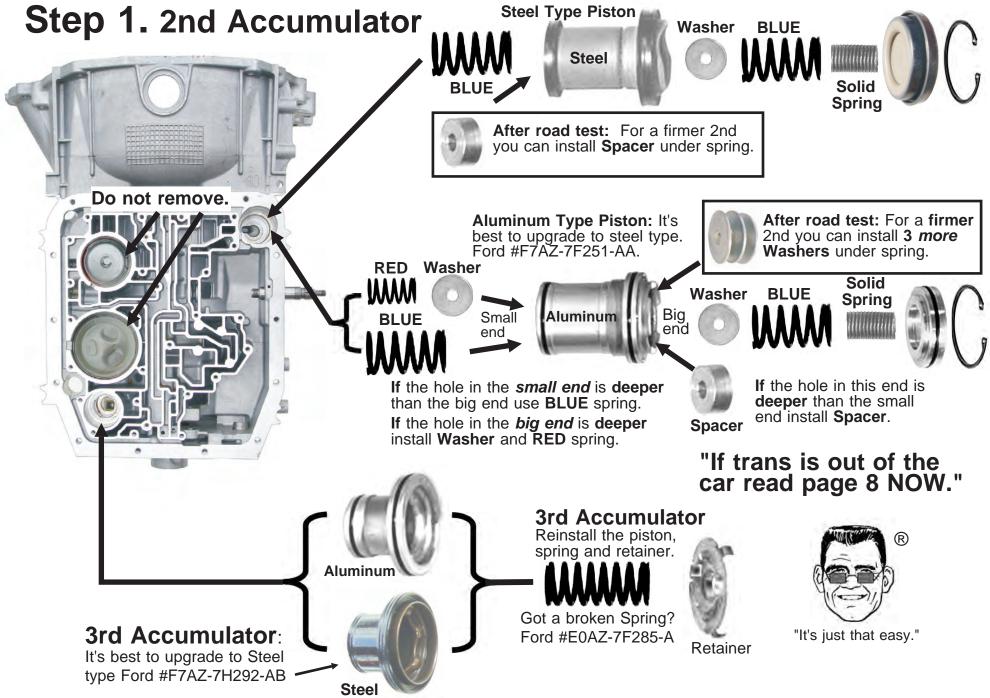
Stick Shift (Full Manual Control)

Installing this kit Eliminates all Automatic Shifting. For transplants into non-computer controlled vehicles. Short, Firm, Full Throttle Shifts With Class, Performance & Durability

THESE ARE THE TRANSMISSION RATIOS:

There are two models of this trans, standard ratio and wide ratio "W" type. The "W" type [wide ratio] has a "W" molded on rear of trans housing. "W" type: "1st" 2:84 "2nd" 1.55 "3rd" 1.00 "4th" .7 Std type: "1st" 2:40 "2nd" 1.40 "4th" .67 "3rd" 1.00 To find top gear ratio, multiply axle ratio x 4th ratio [Example 3.73 x .67= 2.50] Other ratios: Multiply axle ratio x trans ratio. [Example $3.73 \times 2.84 = 10.59$]

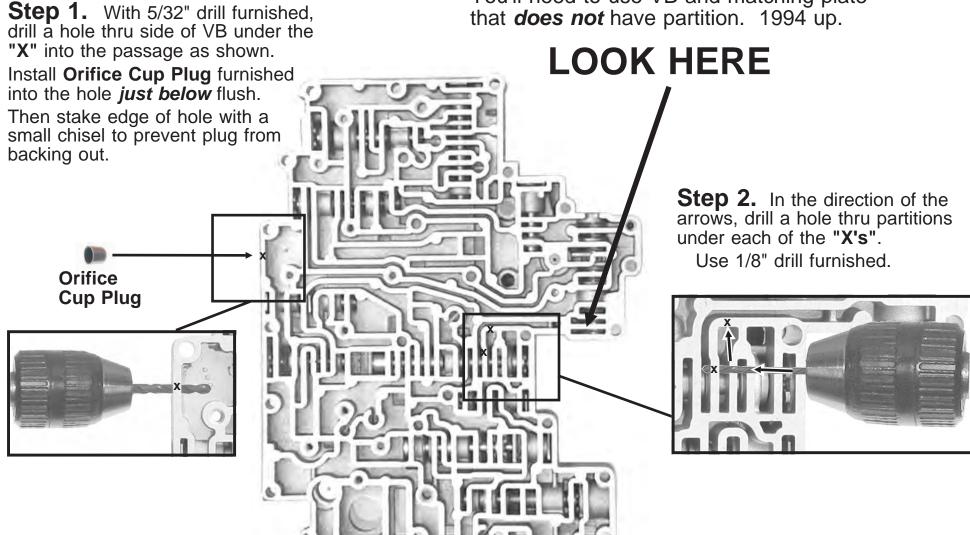




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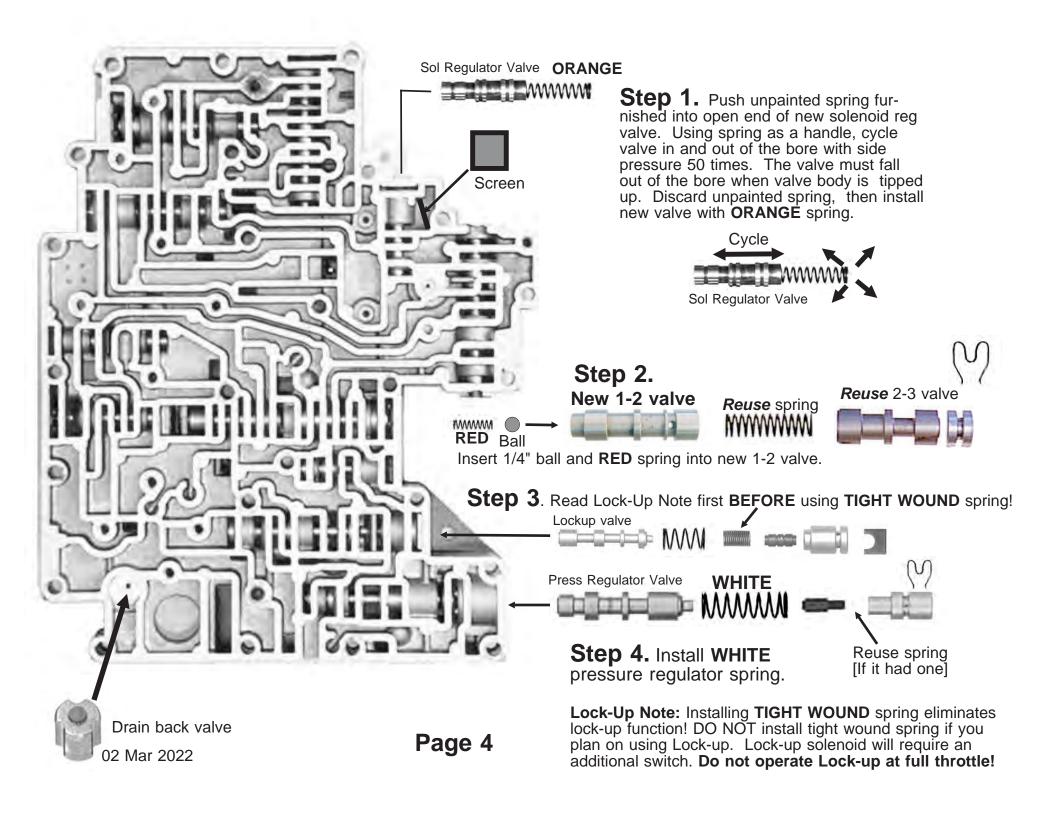
READ THIS FIRST:

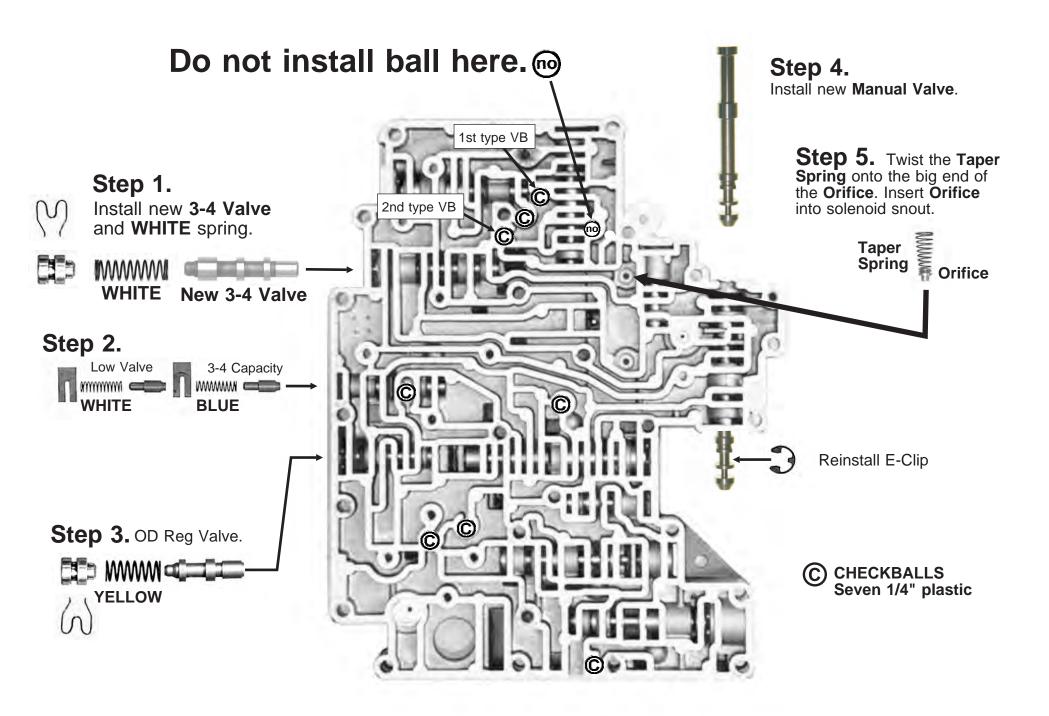
If the valve body *has* this partition, **STOP**. You'll need to use VB and matching plate that *does not* have partition. 1994 up.

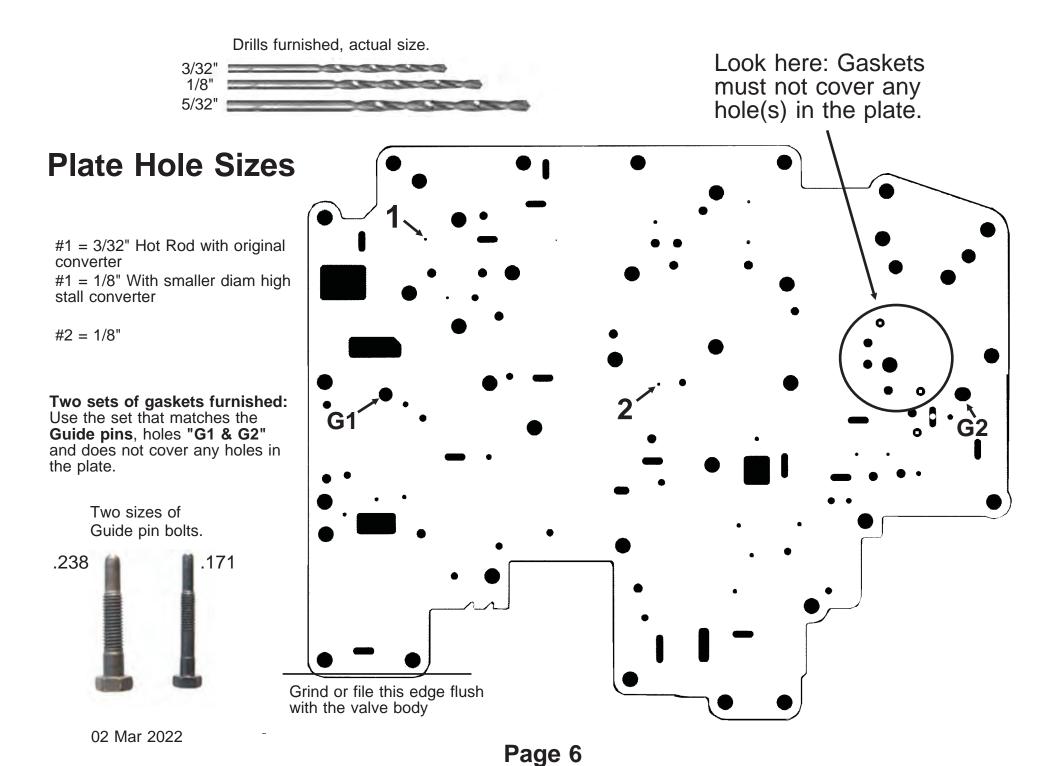


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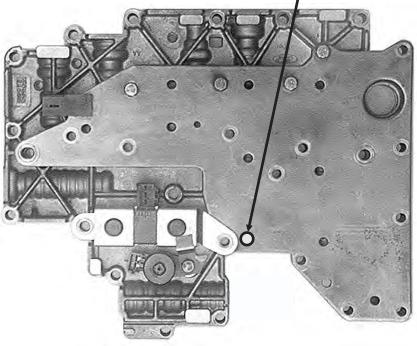
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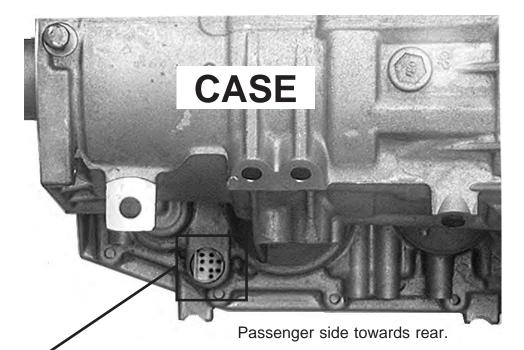






Step 1. Insert the tapered plug into this hole and pound it in flush.



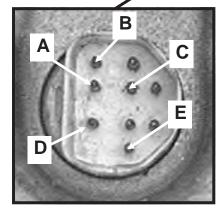


Complete Vacuum Modulator Pack Before Installing VB.

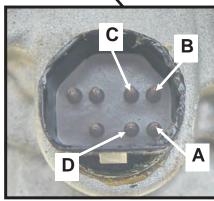
Adding Lockup Control Type 1: Splice pin "E" to ignition pin "A".

Connect pin "D" to one side of an additional switch and the other side of switch to ground. DO NOT operate Lock-Up at full throttle or high engine loads!

You **MUST USE** late type 16-22 ohm TCC solenoid to use lock-up function.



Type 1



Type 2

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Step 2. Driver Controlled 4th

This gives driver complete control of 3-4 and 4-3 shifts with a flip of the switch.

Connect pin "A" to an ignition switch operated 12 volt supply.

Connect pins "B" and "C" together and hook to one side of a toggle switch. The other side of switch to ground.

Adding Lock-up Control Type 2: Connect pin "D" to one side of an additional switch and the other side of switch to ground. DO NOT operate Lock-Up at full throttle or high engine loads!

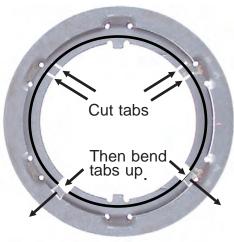
You **MUST USE** late type 16-22 Ohm TCC solenoid to use lock-up function.

If trans is apart: Consider these durability upgrades

A. Assemble 2nd roller. Scribe a line on the retainer just outside the snap ring.

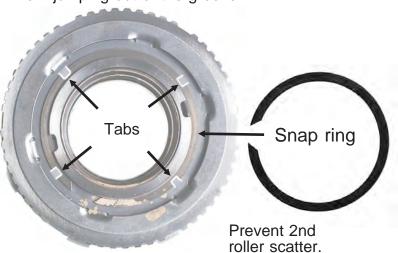


B. Cut four tabs about 5/16" wide in the retainer just a little deeper than the scribed line. Then bend tabs up.

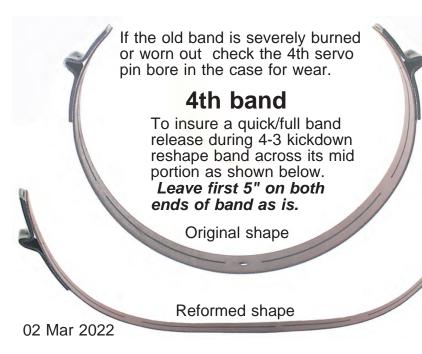


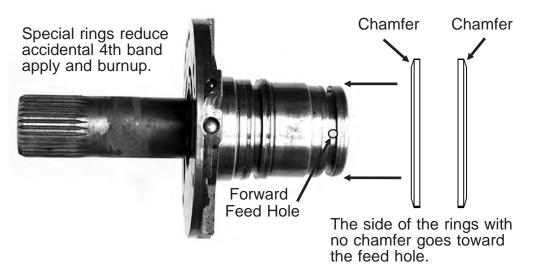
Retainer

- **C.** 1. Install the snap ring by rotating it into the groove inside of the tabs.
- 2. Bend the tabs over the snap ring to keep it from jumping out of the groove.



D. Special new plastic forward clutch rings have slight chamfer on one side. Install rings with the chamfer as shown.





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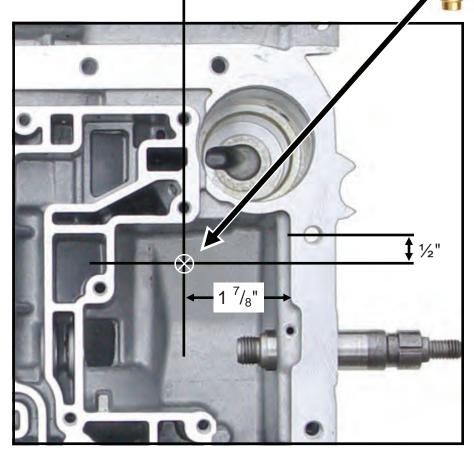
AODE-MOD

AODE- 4R70W Vacuum Modulator System

Step 1

Center punch the center of the marked **X.** Drill an ¹¹/₃₂" hole **straight** into center spot. Tap hole, from this side ¹/₈" NPT.

Step 2
Install FITTING into the case with some sealer.





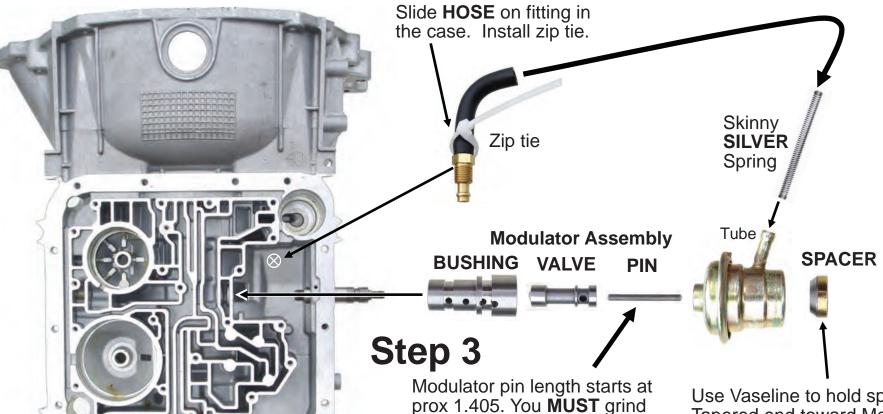
Step 1

Place the **HOSE** on this picture and cut it to match picture.

Step 4

Assemble Bushing, Valve, Pin, Modulator and Spacer into case. Install Skinny **SILVER** Spring into the modulator tube. Install HOSE over skinny **spring.** Install zip tie on hose end.

Step 2



Use Vaseline to hold spacer. Tapered end toward Mod.

the pin to one of the following: Street/Strip Hot Rods 1.365 Show/Mild Street Rods 1.325

