

Installation Instructions for 603106

Valve Body Kit

1980-1992 Ford AOD

1. Replace the inner and outer pressure regulator springs with the purple and blue springs supplied.
2. Replace the stock retainer clip with the retainer clip supplied. A tight fit on the PR clip is **very** important. If you encounter a very tight fit, lap the side of the clip on coarse sandpaper or gently tap into position using a screwdriver handle. Tapping into position could make future removal difficult.
3. Replace the 1-2 modulator compensator valve spring with the white spring supplied. **Note:** Be sure spring is seated properly on valve and in bore.
4. Replace the orifice control valve spring with the red spring supplied.
5. Replace the stock retainer clip with the retainer clip supplied. The retainer clip used on the orifice control valve and the 2-3 back out valve are similar in appearance. Be sure to use the shorter clip on the 2-3 back out valve. Make sure all clips are below the top of the valve body.
6. Replace the stock retainer clip on the 2-3 back out valve with the retainer clip supplied.

7. Install checkballs in valve body as shown leaving #7 check ball out.

8. Drill the valve body plate as shown in A, B, C, & D. In addition, if heavy duty, drill E & F as shown. Note: Holes A & B may be larger in some plates 1989 and up. If so leave as is.

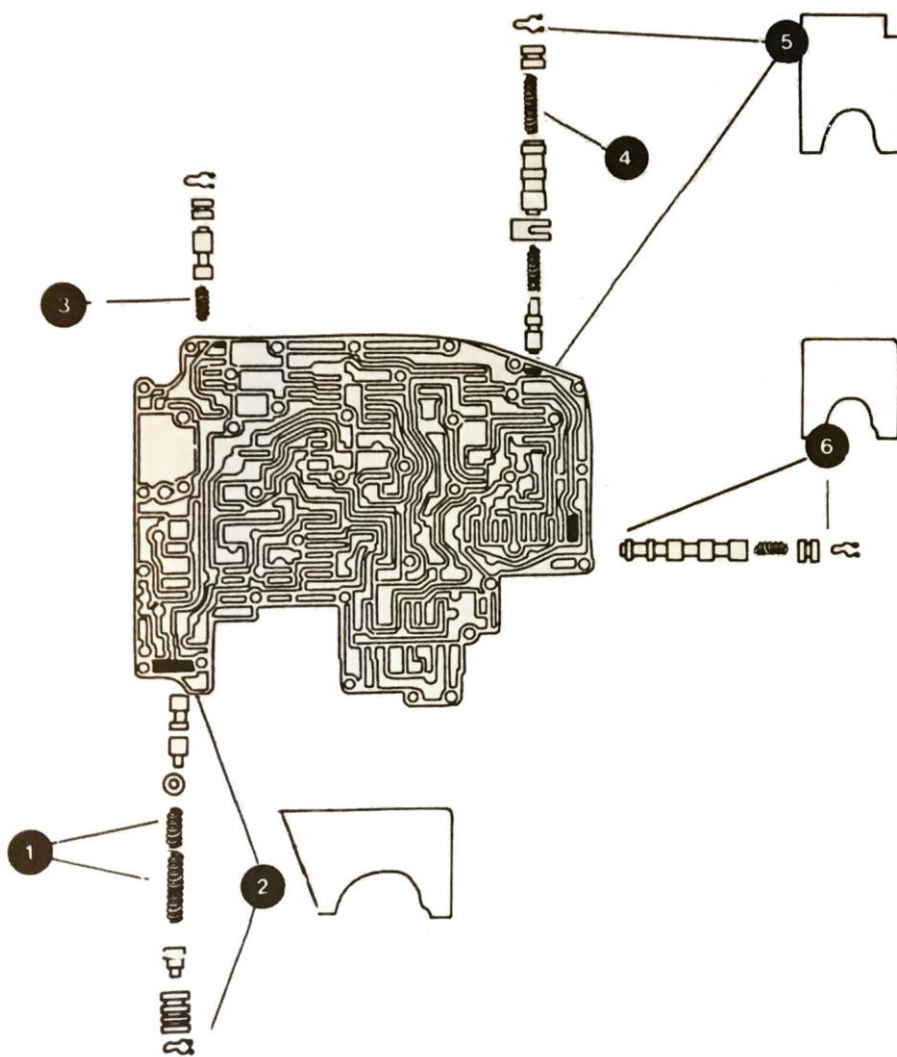
A...7/64" 0.109 C...5/64"
0.078 E...3/64" 0.046
B...3/32" 0.093 D...3/32"
0.093 F...5/64" 0.078

9. Replace the large nylon ring on the 2-3 accumulator with the metal ring supplied.

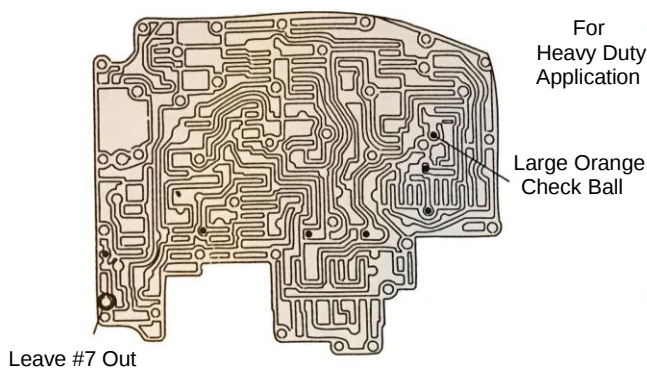
10. Replace the small nylon ring on the 2-3 accumulator with the nylon ring supplied.

11. Replace the two steel 3rd clutch seals with the nylon seal supplied.

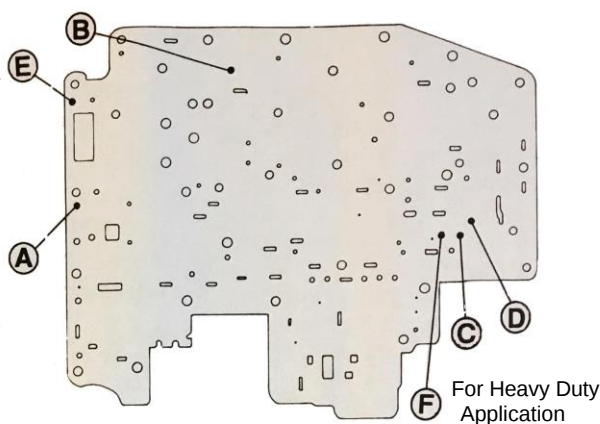
12. Replace the nylon seal on the 4th accumulator with the nylon seal supplied.
Note: Skip this step on years 1989 & up without the 3-4 accumulator.



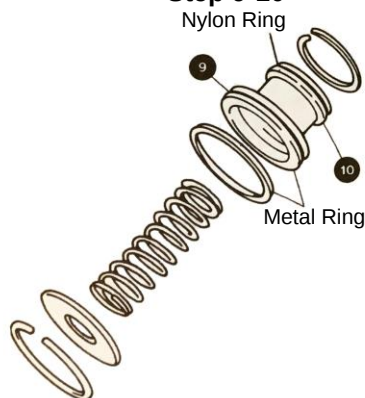
Step 7



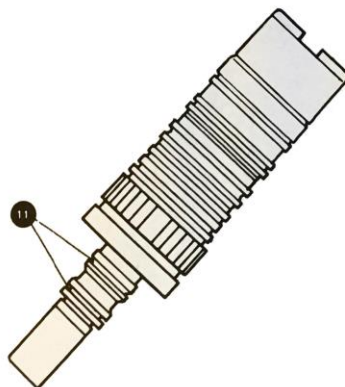
Step 8



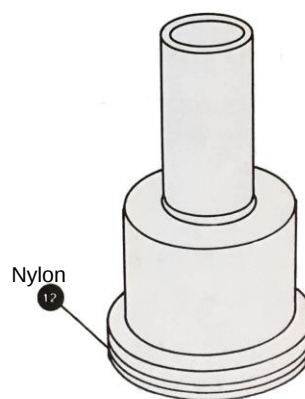
Step 9-10



Step 11



Step 12



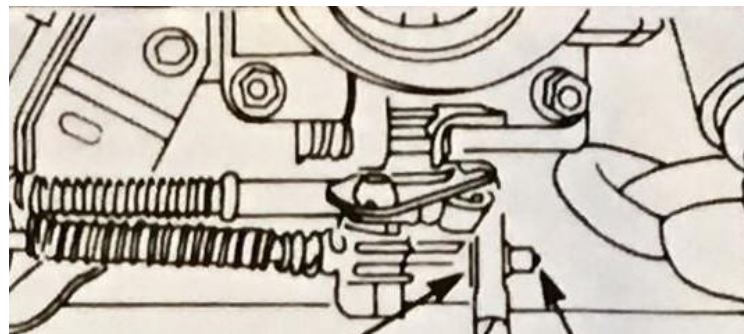
TV Adjustment: Always set with a pressure gauge

Adjusting TV Pressure with a Cable

You need a spacer tool to adjust TV pressure on a vehicle with a TV cable. You can use a Ford tool #T86L-70332A or make your own. Take a piece of 5/16" (0.312") square stock or 7/16" (0.437") round stock and make your own.

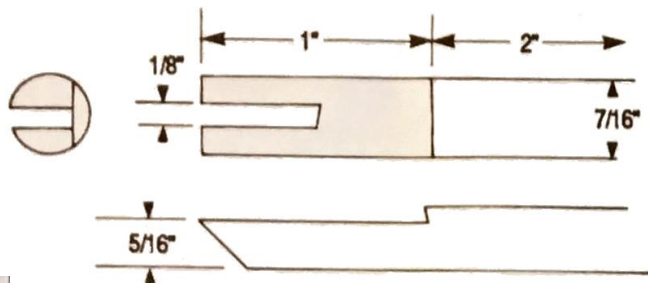
1. With engine off, preset the TV cable by depressing the cable lock and pulling the housing all the way out away from the carburetor. Release the cable lock and push the accelerator pedal to the floor. The cable will ratchet to a preset length.

2. Warm motor.



Adjustment Tool

Crimped Slug



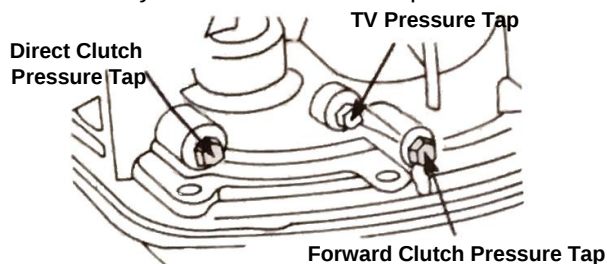
3. Check the TV pressure. The TV pressure at idle should read 0-3 psi.

4. Insert adjustment tool between cable end and plastic pivot. Depress the cable lock and adjust in or out until you have a TV pressure reading of 25-30 psi at idle. If you use the Ford tool, set pressure at 35 psi.

Adjusting TV Pressure equipped with a TV Linkage

Always use a pressure gauge to set the TV to spec. Never try to set TV by shift feel. Correct TV pressure is critical on an AOD.

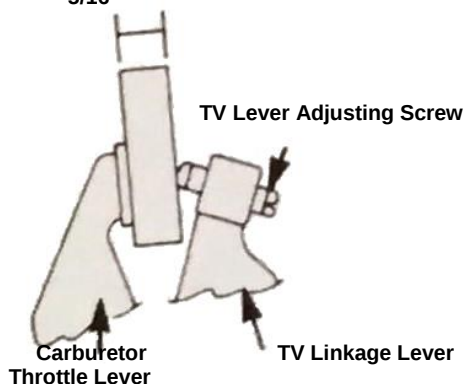
1. Warm motor.
2. Make sure idle is correct.
3. Make sure throttle linkage is at a stop.
4. Hook up pressure gauge to TV pressure port in case.
5. Have someone start the vehicle, put his foot on brake, and put the vehicle in drive. The TV pressure should be reading 0-3 psi.
6. Put a 5/16" drill bit, shim or Allen wrench between the throttle linkage and stop. TV pressure should be reading 25-30 psi.



Bleed Hole



5/16"



7. Adjust linkage to get correct pressure of 25-30 psi.
8. You can correct an early or late shift by turning adjustment screw about one turn. Do not change TV pressure reading more than 2-3 psi.

Gov	Year	Application
A	80-85	Lincoln
A	80-on	LTD, Marquis, T-Bird, Cougar (all w/ 302)
A	83-85	Capri w/ 302 HO
A	83-87	Mustang w/ 302
A	86	Capri
A	86-87	Mark VI, VII
A	80-86	Trucks all except 8 cyl w/ fuel injection
B	83-85	Capri exc. 302 HO
B	83-87	LTD, Marquis, Cougar, & T-Bird (all w/o 302)
B	88	Mark VI, VII w/ 302 HO (exc. Lincoln Sport Coupe)
B	86-86	Truck 8 cyl w/ fuel injection
B	87-on	Truck All
C	88-on	All Ford, Mercury, Lincoln (exc. Mark VI & VII w/ 302)

Helpful Information

- A. When installing the second piston, note the position of the bleed hole. It should be positioned at the top of the pump (12 O'clock).
- B. Torque VB to 75-85 inch pounds.
- C. Use top quality sealing rings only.
- D. Use top quality clutches.
- E. Soak all friction materials 15 minutes prior to installation.



Governor A Small Step
Yellow Spring



Governor B Hollow Valve
Plain Spring



Governor C Solid Valve
Yellow Spring