

INSTALLATION INSTRUCTIONS FOR TH350 MANUAL VALVE BODY KIT W/ENGINE BRAKING (REVERSED PATTERN PRN123) PART #32011

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*** COMMITMENT * PERFORMANCE * RELIABILITY * A WINNING COMBINATION ***

350 MANUAL VALVE BODY COMPONENTS:

1. Valve Body/Machined
2. Valve Body Plate
3. Modulator Plug and O'Ring
4. Upper & Lower Gaskets
5. 5/16-18 Set screw
6. 1/4" Pipe Plug
7. Front Servo Spring
8. Check Ball

The scope of these instructions will be aimed at the installation of this kit and it is assumed that the transmission will be rebuilt properly to work with this valve body. If necessary refer to a transmission manual for detailed instructions on disassembly and reassembly of the Turbo Hydramatic 350 transmission.

Remove pan, filter, existing valve body and stiffener plate from transmission. Discard all check balls.

Tap hole in location "C" as shown in figure 1 with a 5/16-18 Tap, Be sure to tap only deep enough for the set screw to set flush with top of hole and bottoming out in tap. Install 5/16-18 set screw that is provided.

Remove stock Front Servo Piston and spring in location "A". Discard stock spring and replace with spring provided.

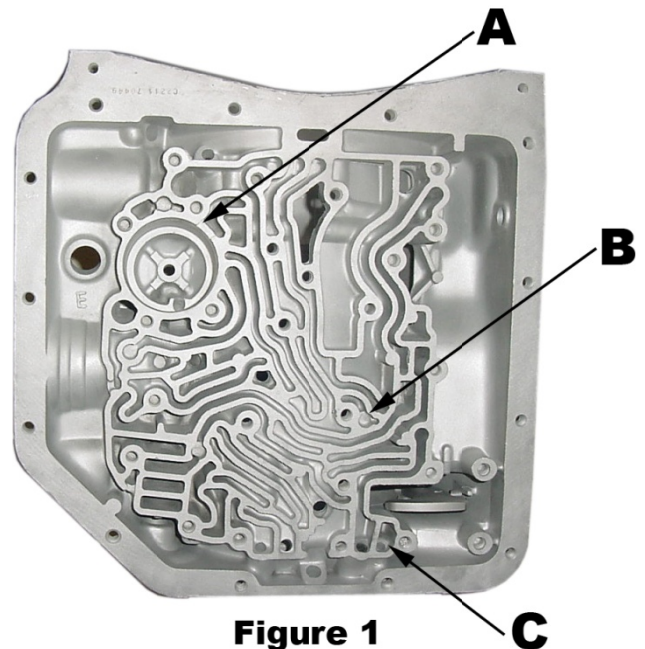
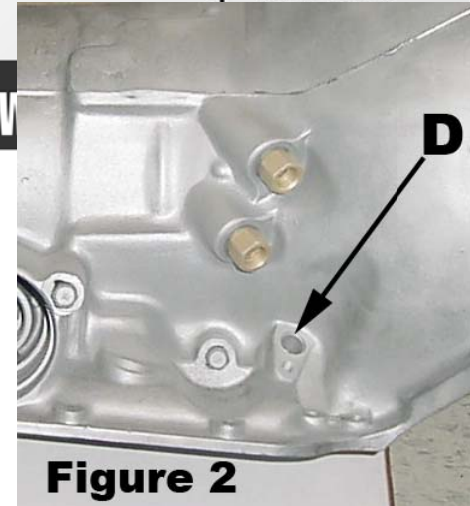


Figure 1



Remove vacuum modulator and discard. Leave modulator valve in case and install modulator plug that is provided. Remove and discard governor. Nothing is to replace it.

Intermediate accumulator piston must be installed with seals. Spring may be omitted but it is not required that this spring is left out.

**IF bore in case is damaged due to broken spring, it will not effect this valve body.*

Remove and discard kickdown cable, Tap Hole ¼" NPT. Install ¼" NPT plug provided. Figure 2 Location "D"

Place new check ball that is provided in location "B" as shown in Figure 1.

Remove and discard center lip seal off of Direct Clutch Drum.

Reinstall new provided separator plate and new gaskets on each side. Reinstall factory stiffener plate.

Install new valve body using your existing manual valve. Be sure manual valve is properly connected to shift linkage.

If you have any questions regarding the proper installation and/or operation of a Coan Racing product, please call (765) 456-3957. You may also fax us at (765) 456-3960, or e-mail at coan@coanracing.com.

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