

C4 Reverse Manual Valve Body Instructions

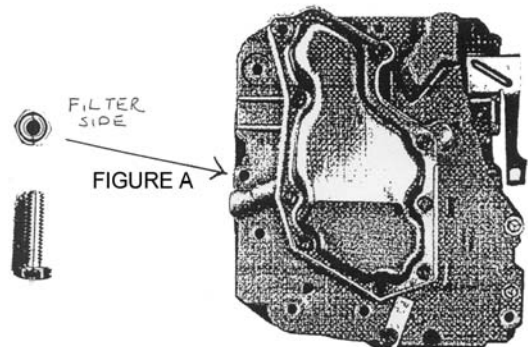
PA26303, PA26304#



The reverse manual valve body is a direct bolt in replacement for 1970 to 1984 C4 model transmissions. The shift pattern will now be PRN123. Particular attention must be paid to several items upon installation.

- Valve body torque must not exceed 10 ft. lbs.

- Some C4 transmissions, mostly 1970-1971 model cases, may require one (1) less bolt. It is very important that the reverse manual valve body have a bolt in this position. **See figure A.** If your case does not have the provision for this bolt, a ¼" 20 bolt and nut must be installed through the valve body prior to installation. This hardware can be purchased at any parts store. This valve body will not function properly without a bolt or bolt and nut in this position.



- Locating the inner manual lever with the manual shift valve is important. Make sure the linkage is aligned with the first slot in the manual valve.

- A first to second shift may not be felt with the wheels off the ground. Applying a slight load with the foot brake may confirm a shift.

After the valve body is installed and torqued to specs, install the trans pan and add 3 quarts of automatic transmission fluid. Continue to check the level until slightly below the "full" mark. After the vehicle is driven and transmission has reached operating temperature check the level again. Do not overfill!

Suggested products to compliment this installation:

PA26304 Deep Aluminum Pan

PA26411 Pro Shift Servo

1. Drain transmission by removing the black oil pan bolts and work towards the front slowly (if dipstick is attached to the pan, dipstick removal will allow most oil to drain).
2. Remove the eight valve body attaching bolts and remove valve body by pulling straight down.
3. Install transbrake valve body into transmission carefully. You must engage selector lever into manual valve. Note that transmission will now become fully manual and kickdown lever is now unused.
4. Tighten valve body finger tight, remembering that the longer bolts attach the filter to the valve body. Check for free operation of shifter linkage and if acceptable tighten valve body bolts to 80-120 in. lbs.
5. Remove excess gasket material from pan mounting area of the case as well as from the pan itself.
6. Tighten pan bolts to 12-16 ft. lbs.