C6

Erratic Shifts

Early shifts, stacked shifts, no upshifts, etc. can be caused by using the wrong parts or a vacuum regulator that is out of adjustment. Use the following steps to check your work.

STEP 1: Make sure you are using a diesel valve body. Figure 1 shows you how to I.D. the valve body.

NOTE: DO NOT use a valve body kit in a diesel valve body unless the instructions of the kit specify it will work.

Figure 1

The 2-3 shift valve will have two springs
STEP 2: Make sure you are using a diesel governor. Figure 2 shows how to I.D. the governor.

The secondary weight should measure .550" on the large land and .450" on the small land. The spring should weigh 2 pounds at .400" height.

STEP 3: Adjust the vacuum regulator to 11Hg-13Hg. Diesel C-6s do not use 18Hg of vacuum like gas models, it's important to have the regulator adjusted properly. To adjust the regulator, loosen the holddown bolts and move the regulator body. Figure 3.

STEP 4: Use a green stripe modulator. P/N D70Z-7A377A