



FORD MOTOR COMPANY 6R60 DOWNSHIFT BUMP WHILE BRAKING TO A STOP 4.6L ENGINE

COMPLAINT: Some Ford Motor Company vehicles 2006-2008 Explorer 4 door, Mountaineer, and the 2007-2008 Explorer Sport Trac vehicles equipped with 4.6L engine with the 6R60 Transmission and built before November 28 2007 may exhibit a downshift bump at approximately 10 MPH-16 Km/h, either coasting or under braking. Some 2006 Explorer, Mountaineer, and 2007 Explorer Sport Trac vehicles built prior to May 4 2006 may also exhibit symptoms of (1) delayed engagements into Drive from Park, Neutral, or Reverse. (2) There may be a hesitation upon tip in throttle after braking to a stop.

CAUSE: One cause for this symptom may be that there is a need to update the PCM/TCM Software Calibrations.

CORRECTION: There are updates available for the PCM/TCM Software from a Ford Dealer as per Ford Technical Service Bulletin **08-4-16**.
After the Software Revisions have been completed, and the TCM keep alive memory and adaptive tables have been reset, the vehicle will have to be driven to perform the Adaptive Shift Strategy Re-Learn. (See Figure 1)

1. Verify that Transmission Fluid Temperature is at 175 degrees F-80 Degrees Celsius before proceeding.
2. Accelerate from a stop at light throttle to 15 MPH-24 Km/h, and remove foot from accelerator pedal.
3. Brake gently and come to a complete stop and remain stopped for at least 6 seconds.
4. Repeat steps 2-3 five times.
5. Accelerate from a stop at light throttle. The 1-2, 2-3, and 3-4 shifts must occur with engine speed in between 1300-1800 RPM.
6. Continue to accelerate gently to 50 MPH-80Km/h, or until the 5-6 upshift occurs.
7. Brake gently to a complete stop, and remain stopped for at least 10 seconds.
8. Repeat steps 5-7 a total of 3 times.

Figure 1