

## ***Comprehensive Component Monitor Transmission Drive Cycle***

The Comprehensive Component Monitor transmission drive cycle will “check” all transmission system components.

- 1 Engine and transmission at normal operating temperature. Ignition OFF; ensure that SPORT mode is NOT selected.
- 2 With gear selector in P and the ignition ON. Check gearshift interlock by attempting to move selector without pressing the brake pedal. Verify P state illumination.
- 3 Press and hold the brake pedal. Move the gear selector to R. Verify R state illumination.
- 4 Set the parking brake. Press and hold the brake pedal. Attempt to start the engine. The engine should not start.
- 5 Move the gear selector to N. Verify N state illumination. Start the engine.
- 6 With the hand brake set and the brake pedal pressed, move the gear selector to the remaining positions in the J Gate (D, 4, 3, 2) for five (5) seconds each. Verify the state illumination in each position.
- 7 Move the gear selector back to 4. Verify 4 state illumination.
- 8 Move the gear selector to D. Verify D state illumination.
- 9 Move the gear selector to N. Verify N state illumination.
- 10 Select R, release the brakes and drive the vehicle in Reverse for a short distance.
- 11 Stop the vehicle.
- 12 Select 2 and drive the vehicle up to 65 km/h (40 mph). Hold 65 km/h (40 mph) for a minimum of five (5) seconds.
- 13 Select 3 and hold 65 km/h (40 mph) for a minimum of five (5) seconds.
- 14 Select 4 and hold 65 km/h (40 mph) for a minimum of five (5) seconds.
- 15 Select D and accelerate to a minimum speed of 80 km/h (50 mph). Hold 80 – 129 km/h (50 – 80 mph) for a minimum of 1.7 kilometers (1 mile).
- 16 Stop the vehicle; do not switch OFF the engine.
- 17 Use WDS Datalogger “TOTAL NUMBER OF DTC SET” to ensure that transmission DTC monitoring is complete.