

10. Gently coast the vehicle to a stop. Allow the engine to idle for 2 minutes and view WDS "PURGE VAPOR MANAGEMENT VALVE – DUTY CYCLE", "CANISTER CLOSE VALVE – VAPOR RECOVERY SYSTEM", and FUEL TANK PRESSURE – VAPOR RECOVERY SYSTEM". WDS should give an indication that the test is active. When the test has initialized (EVAP Canister Close Valve CLOSED), it will take approximately 90 seconds for the test to complete.
11. If the 0.020-inch EVAP Test is not activated, the purge system vapor concentration may be too great. To reduce the vapor concentration proceed as follows:
12. Drive the vehicle for an additional 30 minutes avoiding driving conditions that will produce excessive fuel movement. Repeat Step 10. If the 0.020-inch EVAP Test is still not activated, repeat the Drive Cycle from Step 6.
13. Using WDS, check for and clear flagged DTCs.

#### **EXHAUST GAS RECIRCULATION MONITOR DRIVE CYCLE (not applicable to X400)**

1. Start engine and bring to normal operating temperature > 82 °C (180 °F).
2. Drive the vehicle in 3rd gear at 2500 rpm. Maintain a steady speed for 1 minute; lift foot completely off accelerator and coast for a minimum of 10 seconds.

#### **COMPREHENSIVE COMPONENT MONITOR ENGINE MANAGEMENT DRIVE CYCLE**

To avoid unnecessary complexity, a single comprehensive engine management drive cycle has not developed for X-TYPE. Refer to the individual DTC for specific drive cycle / monitoring conditions.

#### **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.