

Service Drive Cycle

- 1. Turn off the air conditioning system.
- 2. Start the engine, and idle for 20 seconds.
- 3. Wait for the engine to warm up to a coolant temperature of greater than 80°C. This temperature can be read from the 'current powertrain information' screen on the PDU or scan tool. The engine can be revved to shorten the warm up time.
- 4. Idle the engine for 2 minutes, without turning the steering wheel or operating electrical loads.
- 5. Drive the car as shown below, with the selector in D unless otherwise shown:
 - Accelerate to 34 mph (55kph) and drive steadily at this speed for 1 minute.
 - Accelerate to 44 mph (70 kph) and drive steadily at this speed for 10 seconds.
 - Accelerate to 56 mph (90 kph) and drive steadily at this speed for 1 minute.
 - Drive for over 10 seconds with the engine above 3000 rpm (select a lower gear to limit vehicle speed if necessary).
 - Brake gently to a stop, with the selector in D.
 - Accelerate to 22 mph (35 kph) and then brake to a stop. Do this a total of four times.
- **NOTE:**
 - The speeds shown are targets. If the actual speed is not more than 2 mph different from the target, the test will be performed correctly. However, a steady throttle position must be held at the actual speed achieved. A level road is preferable for this to happen.
- 6. Interrogate Generic Scan Tool and establish faults, if any.
- 7. Stop engine.

When performing diagnostics on a vehicle technicians should be aware that erroneous codes may be introduced by their actions. In order to ensure correct diagnosis, all codes should be noted, before commencing diagnosis, so that induced codes can be identified on completion and safely cleared without further work.