

## OBD DRIVE MODE [SKYACTIV-G 2.0, SKYACTIV-G 2.5]

id0102h4815800

- Using the OBD Drive Mode, the monitoring item requested by OBD regulations can be easily diagnosed.
- Performing the Drive Mode inspects the OBD system for proper operation and must be performed to ensure that no additional DTCs are present.
- During the Drive Mode, the following systems are inspected:
  - Mode 03 (Variable Valve Timing, A/F Sensor Heater, HO2S Heater, A/F Sensor, HO2S and TWC Repair Verification Drive Mode)

### Caution

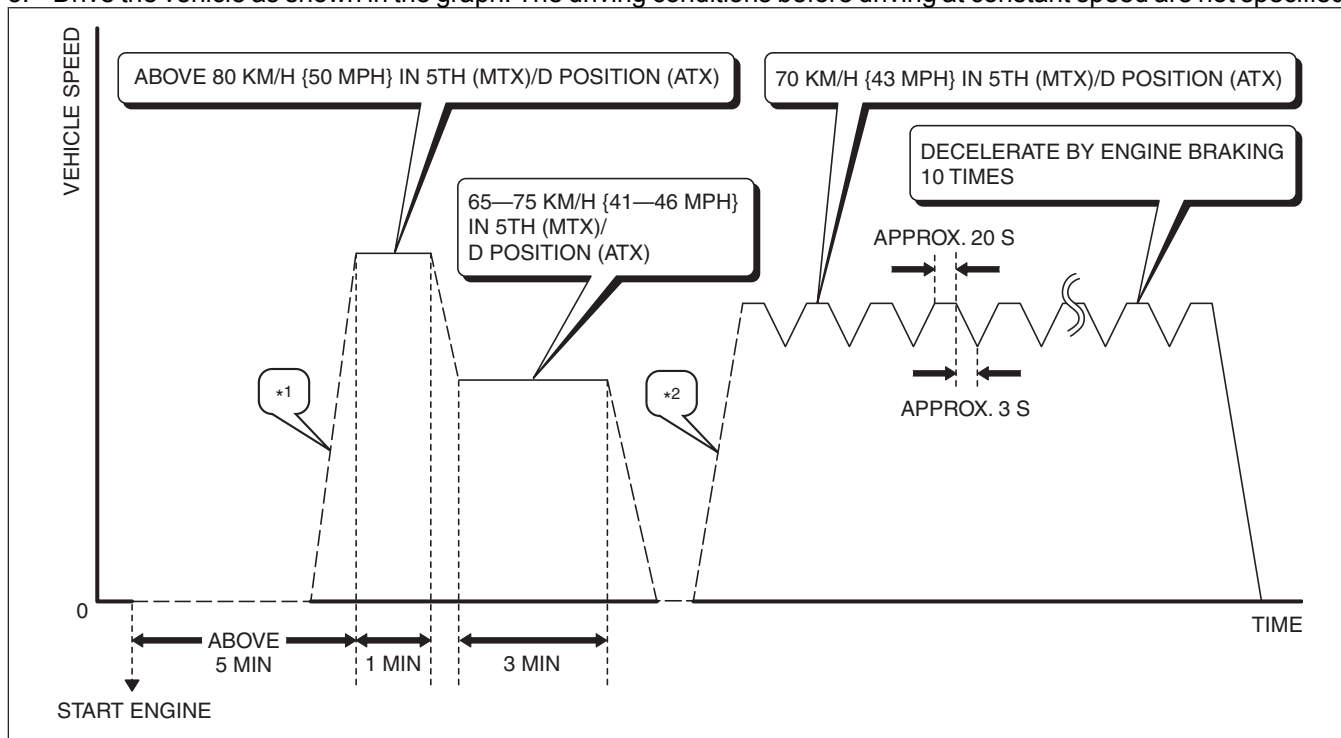
- **While performing the Drive Mode, always operate the vehicle in a safe and lawful manner.**
- **When the M-MDS is used to observe monitor system status while driving, be sure to have another technician with you, or record the data in the M-MDS using the PID/DATA MONITOR AND RECORD function and inspect later.**

### Note

- Vehicle speed and engine speed detected by the PCM may differ from that indicated by the speedometer and tachometer. Use the M-MDS to monitor vehicle speed.
- If the OBD system inspection is not completed during the Drive Mode, the following causes are considered:
  - The OBD system detects the malfunction.
  - The Drive Mode procedure is not completed correctly.
- Disconnecting the battery will reset the memory. Do not disconnect the battery during and after Drive Mode.
- The M-MDS can be used at anytime through the course of the Drive Mode to monitor the completion status. Monitoring can be done by viewing the ON BOARD SYSTEM READINESS menu.

### Mode 03 (Variable Valve Timing, A/F Sensor Heater, HO2S Heater, A/F Sensor, HO2S and TWC Repair Verification Drive Mode)

1. Start the engine and warm it up completely.
2. Verify all accessory loads (A/C, headlights, blower fan, rear window defroster) are off.
3. Drive the vehicle as shown in the graph. The driving conditions before driving at constant speed are not specified.



ac5wzw00006546

\*1 : MTX: accelerate in 5th. (accelerate to **89 km/h {55 mph}** within **20 s**.)/ATX: accelerate in D position. (accelerate to **89 km/h {55 mph}** within **20 s**.)

\*2 : MTX: accelerate in 5th. (accelerate to **45 km/h {28 mph}** within **15 s**, and then accelerate to **70 km/h {43 mph}**.)/ATX: accelerate in D position. (accelerate to **45 km/h {28 mph}** within **15 s**, and then accelerate to **70 km/h {43 mph}**.)

4. Stop the vehicle and access the ON BOARD SYSTEM READINESS to inspect the Drive Mode completion status.
  - If completed, RFC changes from No to Yes.
  - If not completed, switch the ignition off, then repeat from Step 3.
5. Verify that no DTCs are displayed.