

## OBD DRIVE MODE [LF]

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B3E010200102W10

- 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:
  - HO2S heater
  - HO2S
  - TWC
  - Fuel system and Misfire

### Caution

- While performing the Drive Mode, always operate the vehicle in a safe and lawful manner.
- When the WDS or equivalent is used to observe monitor system status while driving, be sure to have another technician with you, or record the data in the WDS or equivalent 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 WDS or equivalent to monitor vehicle speed.
- If the OBD system inspection is not completed during the Drive Mode, the following causes are considered:
  - The OBD system detected a malfunction.
  - The Drive Mode procedure was not completed correctly.
- Disconnecting the battery will reset the memory. Do not disconnect the battery during and after the Drive Mode.
- The WDS or equivalent 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.

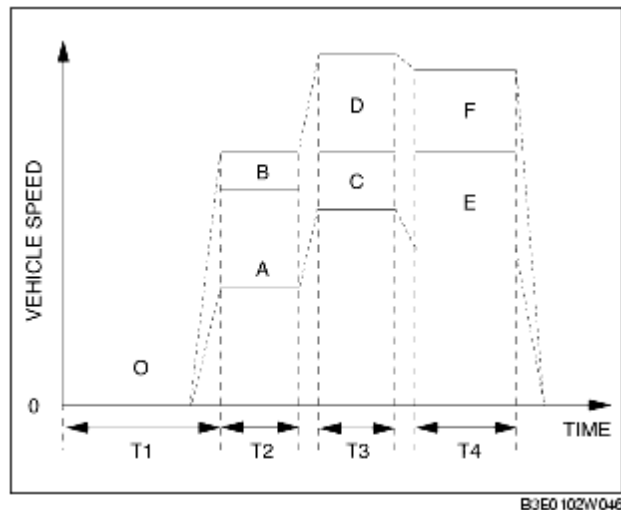
### Mode 1 (PCM Adaptive Memory Produce Drive Mode)

1. Start the engine and warm it up completely.
2. Verify the following conditions and correct if necessary:
  - All accessory loads (A/C, headlights, blower fan, rear window defroster) are off.
  - Initial ignition timing and idle speed are within specification.
3. Perform no load racing at the engine speed of **2,800-3,200 rpm** for **more than 30 s**.
4. Idle the engine for **more than 30 s** after the cooling fan stopped.
5. Turn the ignition switch off.

### Mode 3 (HO2S heater, HO2S, and TWC Repair Verification Drive Mode)

1. Perform the Mode 1 first.
2. Verify that all accessory loads (A/C, headlights, blower fan, rear window defroster) are off.
3. Drive the vehicle as shown in the graph; first drive in zone O, then A or B, followed by C or D, finally E or F.

The driving condition before driving at constant speed is not specified.



#### For MTX

Zone	Shift Position	Vehicle Speed (km/h {mph})	Time (s)
O	Neutral	0 {0}	T1: above 455
A	2nd	40-50 {25-31}	T2: above 30
B	3rd	65-75 {41-46}	
C	2nd	60-75 {38-46}	T3: above 20
D	3rd	75-100 {47-62}	
E	4th	50-75 {32-46}	T4: above 120
F	5th	70-95 {44-59}	

#### For ATX

Zone	Shift Position	Vehicle Speed (km/h {mph})	Time (s)
O	P or N	0 {0}	T1: above 455
A	M (2GR)	40-65 {25-40}	T2: above 30
B	M (3GR)	65-100 {41-62}	
C	M (2GR)	60-75 {38-46}	T3: above 20
D	M (3GR)	85-100 {53-62}	
E	M (3GR)	50-75 {32-46}	T4: above 120
F	D	75-100 {47-62}	

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, turn the ignition switch off, then go back to Step 3.

5. Verify that no DTCs are available.