05BP3−03

READINESS MONITOR DRIVE PATTERN

PURPOSE OF THE READINESS TESTS

- The On−Board Diagnostic (OBD II) system is designed to monitor the performance of emission−related components, and report any detected abnormalities with Diagnostic Trouble Codes (DTCs). Since various components need to be monitored during different driving conditions, the OBD II system runs separate monitoring programs called readiness monitors.
- The hand−held tester's software must be version 9.0 or newer to view the readiness monitor status. From the "ENHANCED OBD II" Menu, select "MONITOR STATUS" to view the readiness monitor status.
- A generic OBD II scan tool can also be used to view the readiness monitor status.
- When the readiness monitor status reads "complete", the necessary conditions have been met for running performance tests for that readiness monitor.

HINT:

Many state Inspection and Maintenance (I/M) programs require a vehicle's readiness monitor status to show "complete".

- The readiness monitor will be reset to "incomplete" if:
  - The ECM has lost battery power or blown a fuse.
  - DTCs have been cleared.
  - The conditions for running the readiness monitor have not been met.
- If the readiness monitor status shows "incomplete", follow the appropriate readiness monitor drive pattern to change the status to "complete".

CAUTION:

Strictly observe posted speed limits, traffic laws, and road conditions when performing these drive patterns.

NOTICE:

The following drive patterns are the fastest method of completing all the requirements necessary for making the readiness monitor status read "complete".

If forced to momentarily stop a drive pattern due to traffic or other factors, the drive pattern can be resumed. Upon completion of the drive pattern, in most cases, the readiness monitor status will change to "complete".

Sudden changes in vehicle load and speed, such as driving up and down hills and / or sudden acceleration, hinder readiness monitor completion.

HINT:

These tests are used for the DTCs in the table below.

DTC No.	Detection item	See page
P0136	Oxygen Sensor Circuit Malfunction (Bank 1 Sensor 2)	05−403
P0137	Oxygen Sensor Circuit Low Voltage (Bank 1 Sensor 2)	05−403
P0138	Oxygen Sensor Circuit High Voltage (Bank 1 Sensor 2)	05−403
P0143	Oxygen Sensor Circuit Low Voltage (Bank 1 Sensor 3)	05−421
P0144	Oxygen Sensor Circuit High Voltage (Bank 1 Sensor 3)	05−421
P0420	Catalyst System Efficiency Below Threshold (Bank 1)	05−426
P2423	Toyota−HCAC−System (Bank 1)	05−484