14. Diagnosis

- When the ECM detects a malfunction, the ECM makes a diagnosis and memorizes the failed section. Furthermore, the MIL (Malfunction Indicator Lamp) in the combination meter illuminates or blinks to inform the driver.
- The ECM will also store the DTC (Diagnostic Trouble Code) of the malfunctions. The DTC can be accessed by using the hand-held tester.
- For details, refer to the 2007 Sienna Repair Manual (Pub. No. RM0530U).

Service Tip

- The ECM of the ’07 Sienna uses the CAN protocol for diagnostic communication. Therefore, a hand-held tester and a dedicated adapter [CAN VIM (Vehicle Interface Module)] are required for accessing diagnostic data. For details, refer to the 2007 Sienna Repair Manual (Pub. No. RM0530U).
- To clear the DTC that is stored in the ECM, use a hand-held tester, disconnect the battery terminal or remove the EFI No. 1 fuse and ETCS fuse for 1 minute or longer.

15. Fail-safe

When a malfunction is detected at any of the sensors, there is a possibility of an engine or other malfunction occurring if the ECM were to continue to control the engine control system in the normal way. To prevent such a problem, the fail-safe function of the ECM either relies on the data stored in memory to allow the engine control system to continue operating, or stops the engine if a hazard is anticipated. For details, refer to the 2007 Sienna Repair Manual (Pub. No. RM0530U).