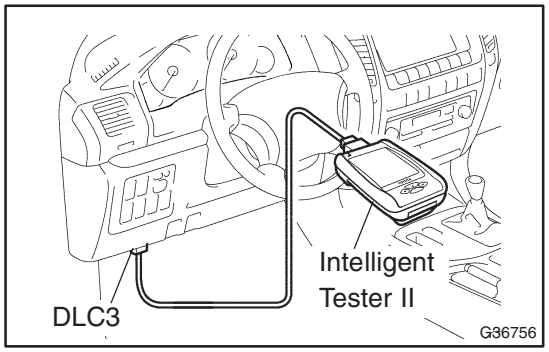
05NG6–01

DTC CHECK/CLEAR

NOTICE:

- **Intelligent tester II only:**
  When the diagnosis system is changed from normal mode to check mode, or vice versa, all the DTCs and freeze frame data recorded in normal mode will be erased. Before changing modes, always check and make a note of any DTCs and freeze frame data.



1. CHECK DTC (using an intelligent tester II)

DTCs which are stored in the ECM can be displayed with the Intelligent Tester II and generic OBD scan tool.

These scan tools can display pending DTCs and current DTCs. Some DTC aren't stored if the ECM doesn't detect a malfunction during consecutive driving. However, the detected malfunction during once driving is stored as pending DTC.

(a) Connect the intelligent tester II to the DLC3.

(b) Turn the ignition switch ON and turn the intelligent tester II ON.

(c) Enter the following menus: Powertrain / Engine and ECT / DTC.

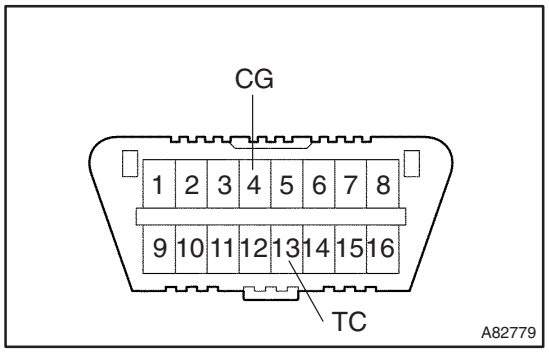
(d) Check and make a note of DTCs and freeze frame data.

(e) See page 05–955 to confirm the details of the DTCs.

NOTICE:

When simulating a symptom with the scan tool to check the DTCs, use normal mode. For codes on DIAGNOSTIC TROUBLE CODE CHART which are subject to "2–trip detection logic", perform the following actions.

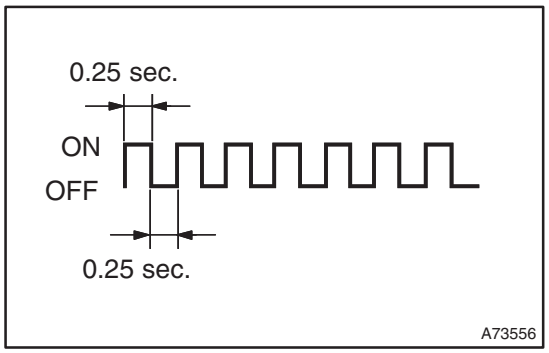
Turn the ignition switch off after the symptom is simulated once. Then repeat the simulation process again. When the problem has been simulated twice, the MIL illuminates and the DTCs are recorded in the ECM.



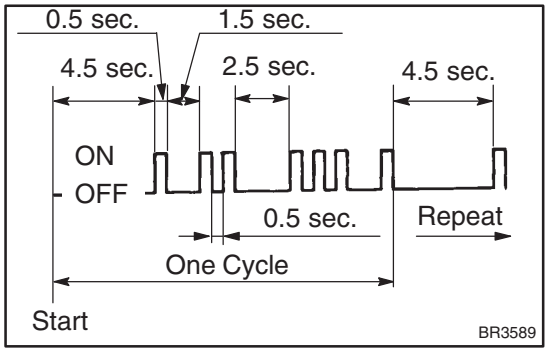
2. CHECK DTC (not using the intelligent tester II)

(a) Turn the ignition switch ON.

(b) Using SST, connect between terminals 13 (TC) and 4 (CG) of the DLC3.
SST 09843–18040



(c) Read DTCs by observing the MIL. If any DTC is not detected, the MIL blinks as shown in the illustration.



(d) Example
- (1) DTCs 12 and 31 are detected and the MIL starts displaying the DTCs, as shown on the left. The MIL flashing pattern of DTC 12 will be displayed first.
- (2) A 2.5 second pause will occur. This pause will occur between the MIL blinking patterns of each DTC.
- (3) The MIL flashing pattern of DTC 31 will be displayed.
- (4) A 4.5 second pause will occur. This pause will occur when the MIL blinking pattern is the last of a string of multiple DTCs.
- (5) The MIL will repeat the display of the string of DTCs again.

(e) Check the details of the malfunction using the DTC chart on page 05–955.

(f) After completing the check, disconnect terminals 13 (TC) and 4 (CG) and turn off the display.

HINT:
If 2 or more DTCs are detected, the MIL will indicate the smaller number DTC first.

(g) See page 05–955 to confirm the details of the DTCs.

3. CLEAR DTCS AND FREEZE FRAME DATA (using intelligent tester II)

(a) Connect the intelligent tester II to the DLC3.

(b) Turn the ignition switch ON (do not start the engine) and turn the intelligent tester II ON.

(c) Enter the following menus: Powertrain / Engine and ECT ECT / DTC / Clear.

(d) Erase DTCs and freeze frame data by pressing YES on the tester.

(e) Turn off the ignition and then turn it on again, and check that the monitor is not displaying any DTCs

If any DTCs are displayed, repeat from step (c).

4. CLEAR DTCS AND FREEZE FRAME DATA (without using intelligent tester II)

(a) Perform either one of the following operations.

(1) Disconnect the battery negative (–) cable for more than 1 minute.

(2) Remove the EFI fuses from the engine room R/B for 1 minute or more.

However, if you disconnect the battery terminal, perform the ”INITIALIZE ” procedure.