

DIAGNOSIS SYSTEM

1. CHECK DLC3

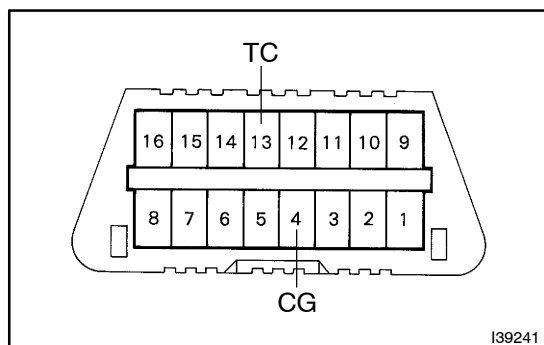
- (a) The vehicle's combination meter (ECU) uses CAN and the ISO 9141-2 (Euro-OBD)/ISO 14230 (M-OBD) for communication protocol. The terminal arrangement of the DLC3 complies with ISO 15031-03 and matches the ISO 9141-2/ISO 14230 format.

Symbols (Terminals No.)	Terminals Description	Condition	Specified condition
CG(4) – Body ground	Chassis ground	Always	Below 1 Ω
BAT(16) – Body ground	Battery positive	Always	11 to 14V
CANH(6) – CANL(14)	HIGH-level CAN bus line	IG switch OFF	54 Ω to 67 Ω
CANH(6) – Body ground	HIGH-level CAN bus line	IG switch OFF	1 M Ω or higher
CANH(6) – CG(4)	HIGH-level CAN bus line	IG switch OFF	3 K Ω or higher
CANL(14) – Body ground	LOW-level CAN bus line	IG switch OFF	1 M Ω or higher
CANL(14) – CG(4)	LOW-level CAN bus line	IG switch OFF	3 K Ω or higher

HINT:

If the display shows UNABLE TO CONNECT TO VEHICLE when you have connected the cable of the intelligent tester II to the DLC3, turned the ignition switch ON and operated the tester, there is a problem on the vehicle side or tool side.

- If the communication is normal when the tool is connected to another vehicle, inspect the DLC3 on the original vehicle.
- If the communication is still impossible when the tool is connected to another vehicle, the problem is probably in the tool itself, so consult the Service Department listed in the tool's instruction manual.



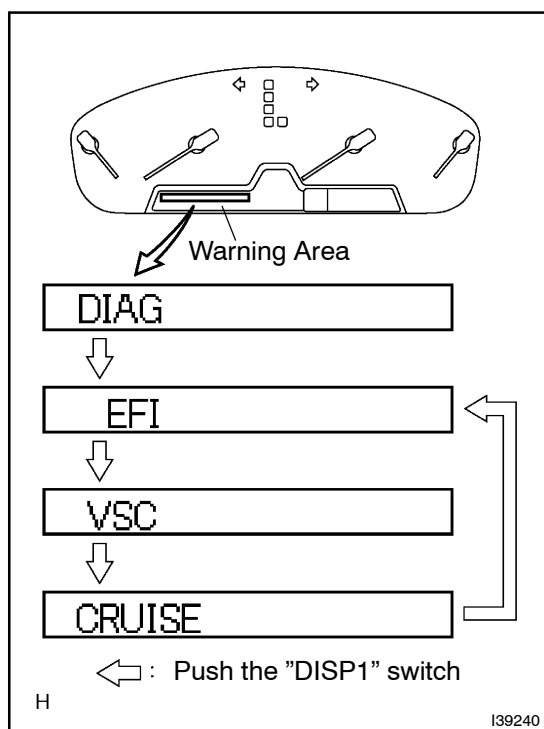
2. DIAGNOSIS CHECK (MULTI-INFORMATION DISPLAY)

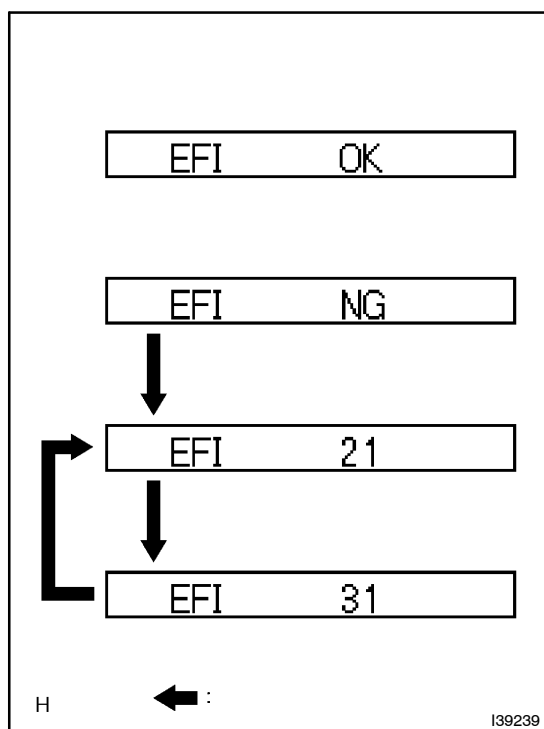
- (a) Switch to diagnosis mode
- (1) Connect terminal 13 (TC) and 4 (CG) of the DLC3 using SST.
 - (2) The display in the warning area shows "DIAG" when the ignition switch is turned to the ON position.
 - (3) Each system can be switched by pushing the "DISP1" switch on the steering pad switch.

HINT:

Diagnosis checks for the EFI, VSC and CRUISE systems can be done by using the displayed items in the warning area.

- SFI (EFI) system (see page 05-7)
- VSC system (see page 05-381)
- CRUISE system (see page 05-3630)



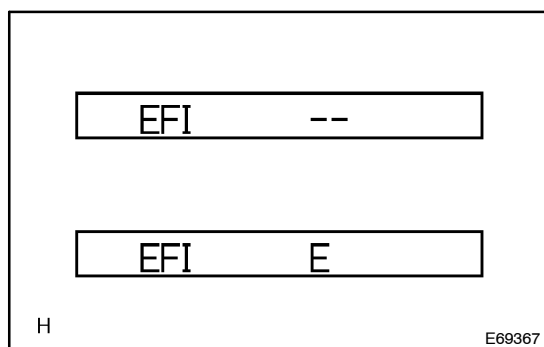


(b) Read DTCs

- (1) "OK" is displayed if the system is normal while "NG" is displayed if it is malfunctioning.

HINT:

When the ignition switch is turned to any position but ON during diagnosis mode, the mode is canceled.



- (c) "--" is displayed if there is an open or short circuit in communication lines between the meter and each ECU being checked. "E" is displayed if there is a problem with diagnosis communication signal data.