

DIAGNOSIS SYSTEM

1. DESCRIPTION

The ECM stores trouble codes when trouble occurs on the vehicle.

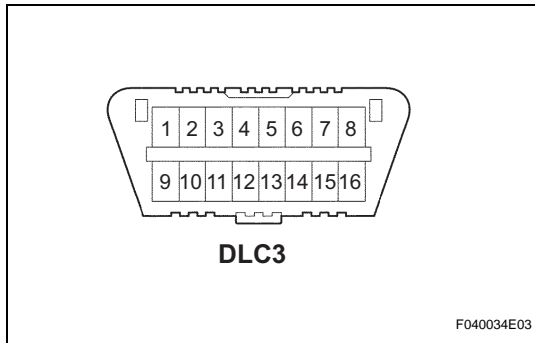
The diagnostic system allows for reading of the trouble codes from the DLC3.

Use the intelligent tester or SST to check and solve the problem.

2. CHECK DLC3

(a) The vehicle's ECM uses ISO 9141-2 for communication.

The terminal arrangement of the DLC3 complies with SAE J1962 and matches the ISO 9141-2 format.

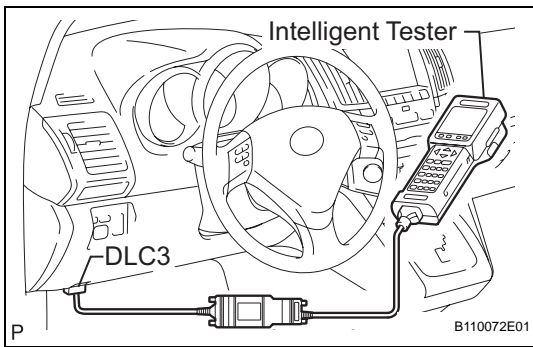


Symbols (Terminal No.)	Terminal Description	Condition	Specified Condition
SIL (7) - SG (5)	Bus "+" line	During transmission	Pulse generation
CG (4) - Body ground	Chassis ground	Always	Below 1 Ω
SG (5) - Body ground	Signal ground	Always	Below 1 Ω
BAT (16) - Body ground	Battery positive	Always	11 to 14 V
CANH (6) - CANL (14)	HIGH-level CAN bus line	Ignition switch OFF	54 to 67 Ω
CANH (6) - Battery positive	HIGH-level CAN bus line	Ignition switch OFF	1 M Ω or higher
CANH (6) - CG (4)	HIGH-level CAN bus line	Ignition switch OFF	3 k Ω or higher
CANL (14) - Battery positive	LOW-level CAN bus line	Ignition switch OFF	1 M Ω or higher
CANL (14) - CG (4)	LOW-level CAN bus line	Ignition switch OFF	3 k Ω or higher

HINT:

If the display shows a communication error message after connecting the intelligent tester to the DLC3 and turning the ignition switch to the ON position, there is a problem with either the vehicle or the tool (intelligent tester only).

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



DTC CHECK / CLEAR

1. DTC CHECK/CLEAR (USING INTELLIGENT TESTER:)

- (a) DTC check
 - (1) Connect the intelligent tester to the DLC3.
 - (2) Turn the ignition switch to the ON position.
 - (3) Read the DTCs on the tester screen.
- (b) DTC clear
 - (1) Connect the intelligent tester to the DLC3.
 - (2) Turn the ignition switch to the ON position.
 - (3) Clear the DTCs following the prompts on the tester screen.

HINT:

Refer to the intelligent tester operator's manual for further details.