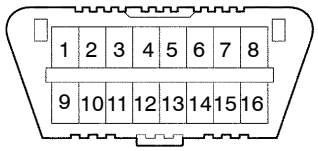
05IBH–01

DIAGNOSIS SYSTEM

1. DESCRIPTION

(a) The smart ECU controls the function of the smart entry system on the vehicle. Data of the smart entry system and the Diagnostic Trouble Code (DTC) can be read in the Data Link Connector 3 (DLC3) of the vehicle. When the system seems to be malfunctioning, use the intelligent tester II to check for a malfunction and perform repairs.



DLC3

B50154

2. CHECK DLC3

HINT:

The vehicle uses ISO 9141–2 for communication. The terminal arrangement of the DLC3 complies with SAE J1962 and matches the ISO 9141–2 format.

Tester Connection	Condition	Specified Condition
7 (Bus+line) – 5 (Signal ground)	During Communication	Pulse generation
4 (Chassis ground) – Body ground	Constant	Below 1Ω
5 (Signal ground) – Body ground	Constant	Below 1Ω
16 (B+) – Body ground	Constant	10 to 14V

If the result is not as specified, the DLC3 may have a malfunction. Repair or replace the harness and connector.

HINT:

Connect the cable of the intelligent tester II to the DLC3, turn the power switch ON (IG) and attempt to use the intelligent tester II. If the screen displays UNABLE TO CONNECT TO VEHICLE, a problem exists in the vehicle side or the tester side.

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

3. CHECK BATTERY VOLTAGE

Standard: 11 to 14 V

If the voltage is below 11 V, replace the battery before proceeding.