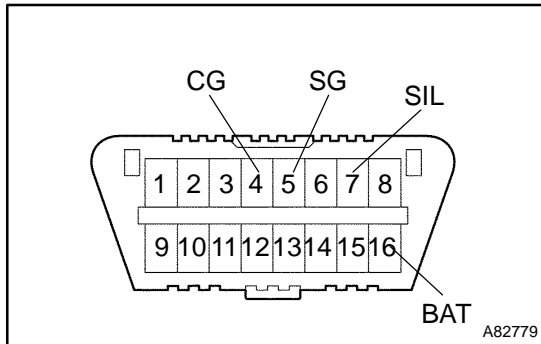


# DIAGNOSIS SYSTEM

## 1. DESCRIPTION

- (a) Wireless door lock control system data and the Diagnosis Trouble Codes (DTCs) can be read in the Data Link Connector 3 (DLC3). When the system seems to be malfunctioning, use the hand-held tester to check for malfunctions and perform repairs.



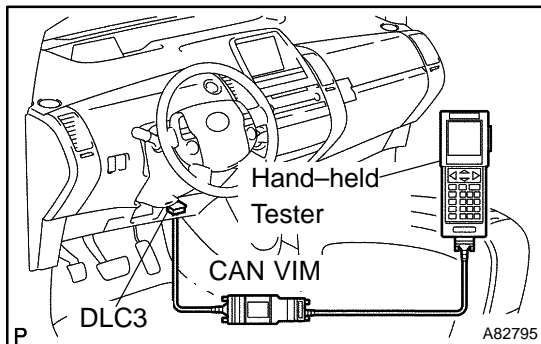
## 2. CHECK DLC3

### HINT:

The vehicle uses the ISO 15765-4 for communication protocol. The terminal arrangement of the DLC3 complies with SAE J1962 and matches the ISO 15765-4 format.

Symbol	Terminal No.	Name	Reference terminal	Result	Condition
SIL	7	Bus "+" line	5 – Signal ground	Pulse generation	During transmission
CG	4	Chassis ground	Body ground	Below 1 Ω	Constant
SG	5	Signal ground	Body ground	Below 1 Ω	Constant
BAT	16	Battery positive	Body ground	11 to 14 V	Constant

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 hand-held tester (with CAN VIM) to the DLC3, change the power switch's power mode to ON (IG) and attempt to use the hand-held tester. If the screen displays **UNABLE TO CONNECT TO VEHICLE**, a problem exists in the vehicle side or 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 is probably 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.