

## PRE-CHECK

### 1. USING HAND-HELD TESTER

- (a) Hook up the hand-held tester to the DLC3.
- (b) Monitor the ECU data by following the prompts on the tester screen.

HINT:

Hand-held tester has a "Snapshot" function which records the monitored data. Refer to the hand-held tester operator's manual for further details.

### 2. DTC CLEAR

- (a) The DTCs and freeze frame data will be erased by the following action.  
Operate the hand-held tester to erase the codes.

### 3. DATA LIST

HINT:

According to the DATA LIST displayed by the hand-held tester, you can read the value of the switch, sensor, actuator and so on without parts removal. Reading the DATA LIST as a first step of troubleshooting is one of the method to shorten the labor time.

- (a) Connect the hand-held tester to the DLC3.
- (b) Turn the ignition switch ON.
- (c) According to the display on the tester, read the DATA LIST.

#### Standard (Body ECU):

Item	Measurement Item/Display (Range)	Normal Condition	Diagnostic Note
KEY UNLK WRN SW	Key unlock warning SW signal/ ON or OFF	ON: Key is in IG key cylinder OFF: Key is not in IG key cylinder	-

### 4. ACTIVE TEST

HINT:

Performing the ACTIVE TEST using the hand-held tester allows the relay, VSV, actuator and so on to operate without parts removal. Performing the ACTIVE TEST as a first step of troubleshooting is one of the method to shorten the labor time.

It is possible to display the DATA LIST during the ACTIVE TEST.

- (a) Connect the hand-held tester to the DLC3.
- (b) Turn the ignition switch ON.
- (c) According to the display on tester, perform the ACTIVE TEST.

#### Standard (Body ECU):

Item	Test Detail	Diagnostic Note
HAZARD	Turns turn signal flasher relay ON/OFF	-
BUZZ CONT SOUND	[Test Details] Turns wireless buzzer ON/OFF [Vehicle Condition] Turns to MAX of wireless buzzer volume	-
BUZZ RESP SOUND	[Test Details] Turns wireless buzzer ON/OFF [Vehicle Condition] Turns to MAX of wireless buzzer volume	-