

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 can be erased by the hand-held tester.

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 tester, read the DATA LIST.

Standard (Back Door ECU):

Item	Measurement Item/ Display (Range)	Normal Condition	Diagnostic Note
KEY SW(UNLK)	Back door key lock and unlock SW signal/ ON or OFF	ON: Back door lock key cylinder is turned to unlock OFF: Key is in back door lock key cylinder (Neutral position)	-
KEY SW(LOCK)	Back door key lock and unlock SW signal/ ON or OFF	ON: Back door lock key cylinder is turned to lock OFF: Key is in back door lock key cylinder (Neutral position)	-
HALF LATCH SW	Back door half latch SW signal/ON or OFF	ON: Back door is open OFF: Back door is closed	-
FULL LATCH SW	Back door full latch SW (courtesy SW) signal/ON or OFF	ON: Back door is closed OFF: Back door is open	-
DOOR HANDLE SW	Back door opener SW signal/ON or OFF	ON: Back door opener is pushed OFF: Back door opener is not pushed	-
LOCK STATUS	Back door position SW signal/UNLOCK or LOCK	UNLOCK: Back door is unlock LOCK: Back door is lock	-

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 methods 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 (Back Door ECU):

Item	Test Details	Diagnostic Note
LATCH RELEASE	Back door lock latch is release ON/OFF	-