05AFP–01

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:

The 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 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 switch signal/ON or OFF	ON: Key is in ignition key cylinder OFF: No key is in ignition key cylinder	–
LUGG COURTSY SW	Luggage courtesy switch signal/ON or OFF	ON: Luggage door is open OFF: Luggage door is closed	–
D DOR CTY SW	Driver side door courtesy switch signal/ON or OFF	ON: Driver side door is open OFF: Driver side door is closed	–
P DOR CTY SW	Passenger side door courtesy switch signal/ON or OFF	ON: Passenger side door is open OFF: Passenger side door is closed	–
Rr DOR CTY SW	Rear door courtesy switch signal/ON or OFF	ON: Either right or left rear door is open OFF: Both right and left doors are closed	–
P LOCK POS SW	Passenger side door lock position switch signal/ON or OFF	ON: Passenger side door lock is in unlock position OFF: Passenger side door lock is in lock position	–
D/L SW–LOCK	Manual door lock switch LOCK signal/ON or OFF	ON: Manual door lock switch is in lock position OFF: Manual door lock switch is in original position	–
D/L SW–UNLOCK	Manual door lock switch UNLOCK signal/ON or OFF	ON: Manual door lock switch is in unlock position OFF: Manual door lock switch is in original position	–
DOR KEY SW–LOCK	Key operation driver side door lock switch signal/ON or OFF	ON: Driver key operation door lock switch is in lock position OFF: Driver key operation door lock switch is in original position	–
D DOR KEY SW–UL	Key operation driver side door unlock switch signal/ON or OFF	ON: Driver key operation door lock switch is in unlock position OFF: Driver key operation door lock switch is in original position	–
OPEN DOOR WARN	Door courtesy switch signal/ON or OFF	ON: Either door is open OFF: All door is closed	–

Standard (Door ECU (w/ Jam protection function)):

Item	Measurement Item/Display (Range)	Normal Condition	Diagnostic Note
LOCK POS SW	Driver door lock position SW signal/ON or OFF	ON: Driver door lock is in unlock position OFF: Driver door lock is in lock position	–

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 the tester, perform the ACTIVE TEST.

Standard (Body ECU):

Item	Test Details	Diagnostic Note
OPN DOR WRN LGT	Turn open door warning light ON/OFF (All doors are closed)	–
DOOR LOCK	Drive door lock motor at all doors OFF/LOCK/UNLOCK	–