DATA LIST/ACTIVE TEST

05HYY−01

1.   DATA LIST

HINT:

Using the intelligent tester II DATA LIST allows switch, sensor, actuator and other item values to be read without removing any parts. Reading the DATA LIST early in troubleshooting is one way to shorten labor time.

(a)   Connect the intelligent tester II to the DLC3.

(b)   Turn the ignition switch ON.

(c)   Read the DATA LIST according to the display on the tester.

Multiplex network body ECU (Driver door ECU):

Item	Measurement Item/Display (Range)	Normal Condition	Diagnostic Note
Lock Pos SW	Door unlock detection switch signal /ON or OFF	ON: Door is unlocked OFF: Door is locked	–
Courtesy SW	Door courtesy switch signal /ON or OFF	ON: Door is open OFF: Door is closed	–
Dbl Lock Pos SW*	Double lock position switch signal /ON or OFF	ON: Double lock is UNSET OFF: Double lock is SET	–

*: w/ Double lock system

Multiplex network body ECU (Passenger door ECU):

Item	Measurement Item/Display (Range)	Normal Condition	Diagnostic Note
Lock Pos SW	Door unlock detection switch signal /ON or OFF	ON: Door is unlocked OFF: Door is locked	–
Courtesy SW	Door courtesy switch signal /ON or OFF	ON: Door is open OFF: Door is closed	–
Dbl Lock Pos SW*	Double lock position switch signal /ON or OFF	ON: Double lock is UNSET OFF: Double lock is SET	–

*: w/ Double lock system

Multiplex network body ECU (Rear door ECU LH):

Item	Measurement Item/Display (Range)	Normal Condition	Diagnostic Note
Lock Pos SW	Door unlock detection switch signal /ON or OFF	ON: Door is unlocked OFF: Door is locked	–
Courtesy SW	Door courtesy switch signal /ON or OFF	ON: Door is open OFF: Door is closed	–
Dbl Lock Pos SW*	Double lock position switch signal /ON or OFF	ON: Double lock is UNSET OFF: Double lock is SET	–

*: w/ Double lock system

Multiplex network body ECU (Rear door ECU RH):

Item	Measurement Item/Display (Range)	Normal Condition	Diagnostic Note
Lock Pos SW	Door unlock detection switch signal /ON or OFF	ON: Door is unlocked OFF: Door is locked	–
Courtesy SW	Door courtesy switch signal /ON or OFF	ON: Door is open OFF: Door is closed	–
Dbl Lock Pos SW*	Double lock position switch signal /ON or OFF	ON: Double lock is UNSET OFF: Double lock is SET	–

*: w/ Double lock system

Luggage Room J/B ECU:

Item	Measurement Item/Display (Range)	Normal Condition	Diagnostic Note
Lugg Courtsy	Door courtesy switch signal /ON or OFF	ON: Door is open OFF: Door is closed	–

Theft warning ECU:

Item	Measurement Item/Display (Range)	Normal Condition	Diagnostic Note
Unlk/Key Twice	Key operation driver door 2–step unlock switch signal /All doors, driver door and other doors, or driver side doors and passenger side doors	All doors: One key operation unlocks all doors. Driver door and other doors: One key operation unlocks only driver door, and two key operations unlock remaining doors. Driver side and passenger side doors: One key operation unlocks driver side doors, and two key operations unlock passenger side doors.	–
Unlock/Park	Ignition switch ON, shift lever P position, vehicle speed 0 km/h signal /ON or OFF	ON: All doors unlock when shift lever is moved to P from any position other than P while ignition switch is ON. OFF: No door unlocks even when shift lever is moved to P from any position other than P while ignition switch is ON.	–
All Unlk/Opn–Cl (All unlock w/ D door open–close)	Ignition switch OFF, shift lever P position, driver courtesy switch ON signal /ON or OFF	ON: All other doors unlock when opening driver side door within 10 seconds after turning ignition switch to OFF from ON. OFF: Doors are not unlocked	–
Auto Lock (Once)	Vehicle speed signal (approx. 20 km/h (13 mph)) /ON or OFF	ON: Doors lock at vehicle speed of 20 km/h (13 mph) OFF: Doors do not lock at vehicle speed of 20 km/h (13 mph)	–
Dbl Lock SET*	Double lock is SET /ON or OFF	ON: Double lock is SET OFF: Double lock is UNSET	–

*: w/ Double lock system

2.   ACTIVE TEST

HINT:

Performing the intelligent tester ll ACTIVE TEST allows relay, VSV, actuator and other items to be operated without removing any parts. Performing the ACTIVE TEST early in troubleshooting is one way to shorten the labor time. The DATA LIST can be displayed during the ACTIVE TEST.

(a)   Connect the intelligent tester ll to the DLC3.

(b)   Turn the ignition switch ON.

(c)   Perform the ACTIVE TEST according to the display on the tester.

Multiplex network body ECU (Driver door ECU):

Item	Test Details	Diagnostic Note
Door Lock	Operate door lock motor OFF/LOCK/UNLOCK	–
Double Lock Unset*	Double lock unset OFF/UNSET	This test is available only for vehicles equipped with double lock system

*: w/ Double lock system

Multiplex network body ECU (Passenger door ECU):

Item	Test Details	Diagnostic Note
Door Lock	Operate door lock motor OFF/LOCK/UNLOCK	–
Double Lock Unset*	Double lock unset OFF/UNSET	This test is available only for vehicles equipped with double lock system

*: w/ Double lock system

Multiplex network body ECU (Rear left door ECU):

Item	Test Details	Diagnostic Note
Door Lock	Operate door lock motor OFF/LOCK/UNLOCK	–
Double Lock Unset*	Double lock unset OFF/UNSET	This test is available only for vehicles equipped with double lock system

*: w/ Double lock system

Multiplex network body ECU (Rear right door ECU):

Item	Test Details	Diagnostic Note
Door Lock	Operate door lock motor OFF/LOCK/UNLOCK	–
Double Lock Unset*	Double lock unset OFF/UNSET	This test is available only for vehicles equipped with double lock system

*: w/ Double lock system