DATA LIST / ACTIVE TEST

1. READ DATA LIST

HINT:

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

(a) Connect the intelligent tester with CAN VIM to the DLC3.

(b) Turn the ignition switch ON.

(c) Read the DATA LIST.

BODY:

Item	Measurement Item/Display (Range)	Normal Condition	Diagnostic Note
KEY UNLK WRN SW	Unlock warning switch signal / ON or OFF	ON: Key is in ignition key cylinder OFF: No key is in ignition key cylinder	-
IG SW	Ignition switch signal / ON or OFF	ON: Key is in ON or START position OFF: Key is in OFF or ACC position	-
BACK DOR OPEN	Back door open judgment / PROHIBIT or PERMIT	PROHIBIT: Back door is in LOCK position (prohibited from being unlatched) PERMIT: Back door is in UNLOCK position (permitted to be unlatched)	-
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 CYT 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: Right or left rear door is open OFF: Right and left rear 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	-
Rr LOCK POS SW	Rear door lock position switch signal / ON or OFF	ON: Rear door lock is in UNLOCK position OFF: Rear door lock is in LOCK position	-
B DOR OPEN SW	Back door opener switch signal (Outside handle switch) / ON or OFF	ON: Back door opener switch is pushed OFF: Back door opener switch is not pushed	-
D LOCK POS SW	Driver side door lock position switch signal / ON or OFF	ON: Driver side door lock is in unlock position OFF: Driver side door lock is in lock position	-
B DOE OPER SW	Power back door MAIN switch signal / ON or OFF	ON: Power back door MAIN switch is pushed OFF: Power back door MAIN switch is not pushed	-
D PSD SW	Power side door MAIN switch signal / ON or OFF	ON: Power slide door MAIN switch is pushed OFF: Power slide door MAIN switch is not pushed	-
AUTO LOCK DELAY	Door courtesy switch signal / 30s or 60s	30s: Door auto locking time is 30 sec. 60s: Door auto locking time is 60 sec.	-
UNLOCK/2 OPER	2 times operation wireless unlock signal / ON or OFF	ON: All doors unlock when wireless UNLOCK switch pressed twice OFF: All doors unlock when wireless UNLOCK switch pressed once	-
AUTO LOCK	Vehicle speed signal (approx. 20 km/h (13 mph)) / ON or OFF	ON: Doors lock at a vehicle speed of 20 km/h (13 mph) OFF: Doors do not lock at a vehicle speed of 20 km/h (13 mph)	-

Item	Measurement Item/Display (Range)	Normal Condition	Diagnostic Note
UNLK/KEY TWICE	Key operation driver door 2-step unlock switch signal / ON or OFF	ON: All doors are unlocked when driver side door key cylinder is turned to unlock twice (2-step unlocking function) OFF: Only driver side door is unlocked when driver side door key cylinder is turned to unlock once	-
ALL UNLK/OPN-CL	Driver side door courtesy switch signal / ON or OFF	ON: All doors unlock when driver side door is opened OFF: Other doors do not unlock when driver side door is opened	-
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 shifted to P position from any position other than P while the ignition switch is ON OFF: No door unlocks even when shift lever is shifted to P position from any position other than P while ignition switch is ON	-
AUTO LOCK/SHIFT	Shift lever in any position other than P position signal / ON or OFF	ON: All doors lock when shift lever is shifted to any position other than P from P position OFF: No door locks when shift lever is shifted to any position other than P from P position	-

2. PERFORM ACTIVE TEST

HINT:

Performing the intelligent tester's 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 save time. The DATA LIST can be displayed during the ACTIVE TEST.

(a) Connect the intelligent tester with CAN VIM to the DLC3.
(b) Turn the ignition switch ON.
(c) Perform the ACTIVE TEST.

BODY:

Item	Test Details	Diagnostic Note
TRUNK/BDOR OPEN	Operate back door open OFF/ON	-
DOOR LOCK	Operate door lock motor for all doors OFF/ LOCK/UNLOCK	All doors are closed