DTC CHECK / CLEAR

1. USING INTELLIGENT TESTER

(a) Hook up the intelligent tester to the DLC3.

(b) Monitor the ECU data by following the prompts on the tester screen.
HINT:
intelligent tester has "Snapshot" function which records the monitored data. Please refer to the intelligent tester operator's manual for further details.

2. DTC CLEAR

(a) DTC and freeze frame data can be erased by operating the intelligent tester.

DATA LIST / ACTIVE TEST

1. DATA LIST

HINT:

By the DATA LIST displayed by the intelligent tester, you can read the value of the switch, sensor, actuator and so on without removing any part. Reading the DATA LIST as the first step in troubleshooting is one of the methods to shorten the labor time.

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

BODY NO.1:

Item	Measurement Item / Display (Range)	Normal Condition	Diagnostic Note
ACC SW	ACC SW signal / ON or OFF	ON: Ignition key is in ACC, ON or START position OFF: Ignition key is in OFF position	-
IG SW	IG SW signal / ON or OFF	ON: Ignition key is in ON or START position OFF: Ignition key is in OFF or ACC position	-
PARKING BRAKE SW	Parking brake SW signal / ON or OFF	ON: Parking brake pedal is ON OFF: Parking brake pedal is OFF	-
D DOR CTY SW	Driver's door courtesy SW signal / ON or OFF	ON: Driver's door is open OFF: Driver's door is closed	-
P DOR CYT SW	Passenger's door courtesy SW signal / ON or OFF	ON: Front passenger's door is open OFF: Front passenger's door is closed	-
Rr DOR CTY SW	Rear slide door courtesy SW signal / ON or OFF	ON: Either right or left rear slide door is open OFF: Both the right and left slide doors are closed	-
P LOCK POS SW	Front passenger's door lock position SW signal / ON or OFF	ON: Front passenger's door lock is in unlock position OFF: Front passenger's door lock is in lock position	-
Rr. LOCK POS SW	Rear slide door lock position SW signal / ON or OFF	ON: Rear slide door lock is in unlock position OFF: Rear slide door lock is in lock position	-
DIMMER SW	Headlight dimmer SW signal / ON or OFF	ON: Headlight dimmer switch is in HI or FLASH position OFF: Headlight dimmer switch is in LO position	-
HIGH FLASHER SW	Headlight dimmer SW signal / ON or OFF	ON: Headlight dimmer switch is in FLASH position OFF: Headlight dimmer switch is in except FLASH position	-
F FOG LIGHT SW	Front fog light SW signal / ON or OFF	ON: Front fog light switch is ON position OFF: Front fog light switch is OFF position	-
AUTO LIGHT SW	Auto light SW signal / ON or OFF	ON: Headlight dimmer switch is in AUTO position OFF: Headlight dimmer switch is in except AUTO position	-

Item	Measurement Item / Display (Range)	Normal Condition	Diagnostic Note
HEAD LIGHT SW	Head light control SW signal / ON or OFF	ON: Light control switch is in HEAD position OFF: Light control switch is in except HEAD position	-
TAIL LIGHT SW	Taillight SW signal / ON or OFF	ON: Light control switch is in TAIL or HEAD position OFF: Light control switch is in OFF position	-
ILLUMINATE RATE	Illuminate rate / ON or OFF	ON: Illuminate rate ON OFF: Illuminate rate OFF	-
D LOCK POS SW	Driver's door lock position SW signal / ON or OFF	ON: Door lock is in unlock position OFF: Door lock is in lock position	-
LIGHTING TIME	Lighting time/7.5 s, 15 s or 30 s	Customized value can be displayed.	-
I/L ON / ACC OFF	Light the I/L when ACC OFF / ON or OFF	Customized sign can be displayed.	-
I/L ON / UNLOCK	Interior light ON w/ unlock / ON or OFF	Customized sign can be displayed.	-
LIGHT CTRL TYPE	Light control type / CRNT or OLD	Customized sign can be displayed.	-
LIGHT OFF DELAY	Light auto OFF delay / OFF, 30 s, 60 s, 90 s	Customized value can be displayed.	-

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BACK DOOR:

Item	Measurement Item / Display (Range)	Normal Condition	Diagnostic Note
COURTESY SW	Back door courtesy SW signal / ON or OFF	ON: Back door is open OFF: Back door is closed	-

2. ACTIVE TEST

HINT:

Performing the ACTIVE TEST using the intelligent tester allows the relay, VSV, actuator and so on to operate without removing any part. Performing the ACTIVE TEST as the first step of troubleshooting is one of the methods to shorten the labor time. The DATA LIST can be displayed during the ACTIVE TEST.

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

BODY NO.1:

Item	Normal Condition	Diagnostic Note
HAZARD	Turn Hazard light flasher relay ON/OFF	-
F FOG LIGHT RLY	Turn Front fog light relay ON/OFF	-
HEAD LIGHT	Turn Headlight relay ON/OFF	-
HEAD LIGHT (HI)	Turn Headlight dimmer relay (Headlight dimmer switch HI position) ON/OFF	-
TAIL LIGHT	Turn Tail light relay ON/OFF	-
DRL RELAY	(Test Details) Turn daytime running light relay ON/OFF (Vehicle Condition) Ignition SW is ON, engine is stopped and light control SW is in OFF position.	-
DIMMER SIG	Turn Dimmer relay ON/OFF	-

Item	Normal Condition	Diagnostic Note
ILLUMI OUTPUT	(Test Details) Turn Interior light and Key illumination ON/OFF (Vehicle Condition) Interior light SW is in Door position and all doors are closed	-