

DATA LIST/ACTIVE TEST

1. DATA LIST

HINT:

Values of the switch, sensor or actuator can be read by using the DATA LIST displayed on the hand-held tester without removing any parts. Reading the DATA LIST as the first step of troubleshooting is one of the methods to shorten labor time.

- (a) Connect the hand-held tester to the DLC3.
- (b) Turn the power switch on (IG).
- (c) Read the DATA LIST according to the display on the tester.

B No.1/GW:

Item	Measurement Item/ Display (Range)	Normal Condition	Diagnostic Note
ACC SW	ACC SW signal/ ON or OFF	ON: Power switch ON (ACC) OFF: Power switch OFF	–
IG SW	IG SW signal/ ON or OFF	ON: Power switch ON (IG) OFF: Power switch 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 CTY SW	Passenger's door courtesy SW signal/ ON or OFF	ON: Passenger's door is open OFF: Passenger's door is closed	–
Rr DOR CTY SW	Rear door courtesy SW signal/ON or OFF	ON: Either right or left door is open OFF: Both the right and left door is 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	–
DIMMER SW	Headlight dimmer SW signal/ON or OFF	ON: Headlamp dimmer switch is in HI or FLASH position OFF: Headlamp dimmer switch is in LO position	–
HIGH FLASHER SW	Headlight dimmer SW signal/ON or OFF	ON: Headlamp dimmer switch is in FLASH position OFF: Headlamp dimmer switch is in except FLASH position	–
F FOG LIGHT	Front fog light SW sig- nal/ ON or OFF	ON: Front fog lamp switch is in ON position OFF: Front fog lamp switch is in OFF position	–
AUTO LIGHT SW	Auto light SW signal/ ON or OFF	ON: Light control switch is in AUTO position OFF: Light control switch is not in AUTO position	–
HEAD LIGHT SW	Headlight control SW signal/ON or OFF	ON: Light control switch is in HEAD position OFF: Light control switch is not in HEAD position	–
TAIL LIGHT SW	Taillight SW signal/ On or OFF	ON: Light control switch is in TAIL or HEAD position	–
ILLUMINATE RATE	Illuminate rate/ ON or OFF	Condition value will be displayed	–
D LOCK POS SW	Driver's door lock position SW signal/ ON or OFF	ON: Driver's door lock is in unlock position OFF: Driver's door lock is in lock position	–
LIGHTING TIME	Lighting time/7.5 s, 15 s or 30 s	Customized value will be displayed	–
I/L AUTO OFF	Battery saver/ ON or OFF	Customized value will be displayed	–
I/L ON/ACC OFF	Light the I/L when ACC OFF/ ON or OFF	Customized value will be displayed	–
I/L ON /UNLK	Interior light ON W/Un- lock/ON or OFF	Customized value will be displayed	–
SENSITIVITY	Turn on luminous in- tensity/DARK1, DARK2, NOR- MAL,LIGHT1, LIGHT2	Customized value will be displayed	–

DIAGNOSTICS – LIGHTING SYSTEM

Item	Measurement Item/ Display (Range)	Normal Condition	Diagnostic Note
DISP EX ON SEN	Display extinction luminous intensity/ DARK1, DARK2, NORMAL,LIGHT1, LIGHT2	Customized value will be displayed	–
DISP EX OFF SEN	Display extinction release luminous intensity/DARK1, DARK2, NORMAL,LIGHT1, LIGHT2	Customized value will be displayed	–
DRL FUNCTION (*1)	DRL function/ ON or OFF	Customized value will be displayed	–

*1: w/ Daytime Running Light for U.S.A.

2. ACTIVE TEST

HINT:

Performing the "ACTIVE TEST" using the hand-held tester allows the relay, VSV, actuator, etc. to operate without removing any parts. Performing the "ACTIVE TEST" as the first step of troubleshooting is one of the methods to shorten labor time. The DATA LIST can be displayed during the ACTIVE TEST.

- (a) Connect the hand-held tester to the DLC3.
- (b) Turn the power switch on (IG).
- (c) Perform the "ACTIVE TEST" according to the display on the tester.

B No.1/GW:

Item	Test Details	Diagnostic Note
HAZARD	Turn hazard lamp flasher relay ON/OFF	–
F FOG LIGHT	Turn front fog lamp relay ON/OFF	–
HEAD LIGHT	Turn headlamp relay ON/OFF	–
HEAD LIGHT (HI)	Turn headlamp dimmer relay (headlamp dimmer switch HI position) ON/OFF	–
TAIL LIGHT	Turn taillamp relay ON/OFF	–
DRL RELAY	(Test Details) Turn daytime running light relay ON/OFF (Vehicle Condition) Power switch ON (IG), engine is stopped and light control SW is in OFF	–
DIMMER SIG	Turn dimmer relay ON/OFF	–
ILLUMI OUTPUT	(Test Details) Turn daytime light and key illumination ON/OFF (Vehicle Condition) Interior light switch is in DOOR position and all doors are closed	–