DATA LIST / ACTIVE TEST

1. USING INTELLIGENT TESTER

(a) Connect the intelligent tester to the DLC3.

(b) Monitor the ECU data by following the prompts on the tester screen.

HINT:

The intelligent tester has a "Snapshot" function which records the monitored data. Refer to the intelligent tester operator's manual for further details.

2. DATA LIST

HINT:

Using the DATA LIST displayed on the intelligent tester, you can read the value of the switch, sensor, actuator, etc. without parts removal. Reading the DATA LIST as the first step of troubleshooting is one way to shorten the labor time.

(a) Connect the intelligent tester to the DLC3.

(b) Ignition switch on.

(c) Enter the following menus: DIAGNOSIS / ENHANCED OBD II / DATA LIST.

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

MIRROR-L/MIRROR-R

Item	Test Details	Diagnostic Note
MIRR POS SEN V	Vertical mirror position/MIN: 0, MAX 5 V	Within range from 0 to 5 V
MIRR POS SEN H	Horizontal mirror position/MIN: 0, MAX 5 V	Within range from 0 to 5 V
MIRROR MEM 1	Mirror position memorized in memory switch M1/NOT MEM or MEM	MEM: Memorized NOT MEM: Not memorized
MIRROR MEM 2	Mirror position memorized in memory switch M2/NOT MEM or MEM	MEM: Memorized NOT MEM: Not memorized
MIRROR MEM 3	Mirror position memorized in memory switch M3/NOT MEM or MEM	MEM: Memorized NOT MEM: Not memorized
FOOT LIGHT SETUP	Foot light (puddle light) illumination time	OFF/7.5S/15S/30S

D-SEAT

Item	Test Details	Diagnostic Note
POWER VOLTAGE	Power supply for position control ECU & switch/MIN: 0 V, MAX: 19.89 V	Within range from 11 to 14 V
IG SW	Ignition switch status/ON or OFF	ON: Ignition switch is ON OFF: Ignition switch is OFF
KEY UNLOCK SW	Key unlock warning switch signal/ON or OFF	ON: Key is in ignition key cylinder OFF: Key is not in ignition key cylinder
PNP SW	Park/Neutral position switch signal/ON or OFF	ON: Shift in P position OFF: Shift in any position except neutral
M1 SW	Seat memory switch M1 signal/ON or OFF	ON: Seat memory switch M1 is ON OFF: Seat memory switch M1 is OFF
M2 SW	Seat memory switch M2 signal/ON or OFF	ON: Seat memory switch M2 is ON OFF: Seat memory switch M2 is OFF
M3 SW	Seat memory switch M3 signal/ON or OFF	ON: Seat memory switch M3 is ON OFF: Seat memory switch M3 is OFF
SET SW	Seat memory set switch signal/ON or OFF	ON: Memory set switch is ON OFF: Memory set switch is OFF
MEM M1 SW	Driving position memorized in seat memory switch M1/NOT MEM or MEM	MEM: Memorized NOT MEM: Not memorized

Item	Test Details	Diagnostic Note
MEM M2 SW	Driving position memorized in seat memory switch M2/NOT MEM or MEM	MEM: Memorized NOT MEM: Not memorized
D-MIRR MEM M1	Driver side mirror position memorized in seat memory switch M1/NOT MEM or MEM	MEM: Memorized NOT MEM: Not memorized
D-MIRR MEM M2	Driver side mirror position memorized in seat memory switch M2/NOT MEM or MEM	MEM: Memorized NOT MEM: Not memorized
P-MIRR MEM M1	Passenger side mirror position memorized in seat memory switch M1/NOT MEM or MEM	MEM: Memorized NOT MEM: Not memorized
P-MIRR MEM M2	Passenger side mirror position memorized in seat memory switch M2/NOT MEM or MEM	MEM: Memorized NOT MEM: Not memorized
D-MIRR MEM POS 1	Driver side mirror position memorized in seat memory switch M1/MIN: 0, MAX: 65535	Within range from 0 to 65535
P-MIRR MEM POS 1	Passenger side mirror position memorized in seat memory switch M1/MIN: 0, MAX: 65535	Within range from 0 to 65535
D-MIRR MEM POS 2	Driver side mirror position memorized in seat memory switch M2/MIN: 0, MAX: 65535	Within range from 0 to 65535
P-MIRR MEM POS 2	Passenger side mirror position memorized in seat memory switch M2/MIN: 0, MAX: 65535	Within range from 0 to 65535
D-MIRR MEM POS 3	Driver side mirror position memorized in seat memory switch M3/MIN: 0, MAX: 65535	Within range from 0 to 65535
P-MIRR MEM POS 3	Passenger side mirror position memorized in seat memory switch M3/MIN: 0, MAX: 65535	Within range from 0 to 65535

BODY

Item	Test Details	Diagnostic Note
MIRR SEL SW R	Mirror selection switch signal for RH mirror/ON or OFF	ON: Switch is in Right position OFF: Switch is in neutral or Left position
MIRR SEL SW L	Mirror selection switch signal for LH mirror/ON or OFF	ON: Switch is in Left position OFF: Switch is in neutral or Right position
MIRR POS SW R	Mirror position switch signal (Right)/ON or OFF	ON: Switch R is ON OFF: Any switch except R is ON or all switches are OFF
MIRR POS SW L	Mirror position switch signal (Left)/ON or OFF	ON: Switch L is ON OFF: Any switch except L is ON or all switches are OFF
MIRR POS SW UP	Mirror position switch signal (Up)/ON or OFF	ON: Switch UP is ON OFF: Any switch except UP is ON or all switches are OFF
MIRR POS SW DWN	Mirror position switch signal (Down)/ON or OFF	ON: Switch DOWN is ON OFF: Any switch except DOWN is ON or all switches are OFF

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3. ACTIVE TEST

HINT:

Performing the ACTIVE TEST using the intelligent tester allows you to operate the relay, VSV, actuator, etc. without parts removal. Performing the ACTIVE TEST as the first step of troubleshooting is one way to shorten the labor time. It is possible to display the DATA LIST during the ACTIVE TEST.

(a) Connect the intelligent tester to the DLC3.

(b) Ignition switch on.
(c) Enter the following menus: DIAGNOSIS / ENHANCED OBD II / ACTIVE TEST.
(d) Perform the ACTIVE TEST according to the display on the tester.

MIRROR-L/MIRROR-R

Item	Test Details
MIRR UP/DOWN	Mirror vertical operation: UP/DOWN
MIRR RIGHT/LEFT	Mirror horizontal operation: RIGHT/LEFT
MIRR HEATER	Mirror heater operation: OFF/ON
FOOT LIGHT	Foot light illumination operation