

## DATA LIST/ACTIVE TEST

### 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.

- Connect the intelligent tester II to the DLC3.
- Turn the ignition switch ON.
- Read the DATA LIST according to the display on the tester.

#### Driver door ECU:

Item	Measurement Item/ Display (Range)	Normal Condition
Mir Pos Sen V	Vertical mirror position/ MIN: 0, MAX: 5 V	Within range from 0 to 5 V
Mir Pos Sen H	Horizontal mirror position/ MIN: 0, MAX: 5 V	Within range from 0 to 5 V

#### Front passenger door ECU:

Item	Measurement Item/ Display (Range)	Normal Condition
Mir Pos Sen V	Vertical mirror position/ MIN: 0, MAX: 5 V	Within range from 0 to 5 V
Mir Pos Sen H	Horizontal mirror position/ MIN: 0, MAX: 5 V	Within range from 0 to 5 V

#### Driver side J/B ECU:

Item	Measurement Item/ Display (Range)	Normal Condition
Mirr Sel SW R	Mirror master switch signal for RH mirror/ ON or OFF	ON: Switch is in right position OFF: Switch is in original or left position
Mirr Sel SW L	Mirror master switch signal for LH mirror/ ON or OFF	ON: Switch is in left position OFF: Switch is in original or right position
Mirr Pos SW R	Mirror control 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 control 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 control 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 control switch signal (Down)/ ON or OFF	ON: Switch DOWN is ON OFF: Any switch except DOWN is ON or all switches are OFF
Mirr Fold SW	Mirror retract switch signal ON or OFF	ON: Switch is ON OFF: Switch is OFF
Mirr Retr SW	Mirror return switch signal ON or OFF	ON: Switch is ON OFF: Switch is OFF

**Driver seat ECU:**

Item	Measurement Item/ Display (Range)	Normal Condition
Power Voltage	Power supply for position control ECU & switch/ MIN: 0, MAX 19.89 V	Within range from 10 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
D-Door Warn SW	Door courtesy switch signal/ ON or OFF	ON: Driver side door is open OFF: Driver side door is closed
PNP SW	Shift lever position P signal/ ON or OFF	ON: Shift lever in P position OFF: Shift lever in any position except P
N SW	Shift lever position N signal/ ON or OFF	ON: Shift lever in N position OFF: Shift lever in any position except N
Push SW	Push switch signal/ ON or OFF	ON: Push switch is ON OFF: Push switch is OFF
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
Mem M2 SW	Driving position memorized in seat memory switch M2/ NOT MEM or MEM	MEM: Memorized NOT MEM: Not memorized
Mem M3 SW	Driving position memorized in seat memory switch M3/ NOT MEM or MEM	MEM: Memorized NOT MEM: Not memorized
D-Mirr Mem M1	Driver side mirror position memorized in seat memory switch M1/ MEM or NOT MEM	MEM: Memorized NOT MEM: Not memorized
D-Mirr Mem M2	Driver side mirror position memorized in seat memory switch M2/ MEM or NOT MEM	MEM: Memorized NOT MEM: Not memorized
D-Mirr Mem M3	Driver side mirror position memorized in seat memory switch M3/ MEM or NOT MEM	MEM: Memorized NOT MEM: Not memorized
P-Mirr Mem M1	Passenger side mirror position memorized in seat memory switch M1/ MEM or NOT MEM	MEM: Memorized NOT MEM: Not memorized
P-Mirr Mem M2	Passenger side mirror position memorized in seat memory switch M2/ MEM or NOT MEM	MEM: Memorized NOT MEM: Not memorized
P-Mirr Mem M3	Passenger side mirror position memorized in seat memory switch M3/ MEM or NOT MEM	MEM: Memorized NOT MEM: Not memorized
D-Mir Mem Pos 1	Driver side mirror position memorized in seat memory switch M1/ MIN: 0, MAX: 65535	Within range from 0 to 65535
P-Mir Mem Pos 1	Passenger side mirror position memorized in seat memory switch M1/ MIN: 0, MAX: 65535	Within range from 0 to 65535

Item	Measurement Item/ Display (Range)	Normal Condition
D-Mir Mem Pos 2	Driver side mirror position memorized in seat memory switch M2/ MIN: 0, MAX: 65535	Within range from 0 to 65535
P-Mir Mem Pos 2	Passenger side mirror position memorized in seat memory switch M2/ MIN: 0, MAX: 65535	Within range from 0 to 65535
D-Mir Mem Pos 3	Driver side mirror position memorized in seat memory switch M3/ MIN: 0, MAX: 65535	Within range from 0 to 65535
P-Mir Mem Pos 3	Passenger side mirror position memorized in seat memory switch M3/ MIN: 0, MAX: 65535	Within range from 0 to 65535

## 2. ACTIVE TEST

### HINT:

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

- Connect the intelligent tester II to the DLC3.
- Turn the ignition switch ON.
- Perform the ACTIVE TEST according to the display on the tester.

### Driver door ECU:

Item	Test Details
Mirr Up/Down	Mirror vertical operation UP/DOWN
Mirr Right/Left	Mirror horizontal operation RIGHT/LEFT
Mirr Fold/Retrn	Mirror retract operation FOLD/RETRN
Mirr Heater	Mirror defogger operation OFF/ON

### Front passenger door ECU:

Item	Test Details
Mirr Up/Down	Mirror vertical operation UP/DOWN
Mirr Right/Left	Mirror horizontal operation RIGHT/LEFT
Mirr Fold/Retrn	Mirror retract operation FOLD/RETRN
Mirr Heater	Mirror defogger operation OFF/ON