

## DATA LIST/ACTIVE TEST

### 1. DATA LIST

#### HINT:

Using the intelligent tester II DATA LIST allows switch, sensor, actuator and other item value 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 engine switch ON.
- Read the DATA LIST according to the display on the tester.

#### DRIVER DOOR ECU: (SWITCH CONDITION)

Item	Measurement Item/ Display (Range)	Normal Condition	Diagnostic Note
P/W Auto SW	Door P/W Auto SW	ON: Driver door power window AUTO switch operates OFF: Driver door power window AUTO switch does not operate	–
P P/W Auto SW	P Door P/W Auto SW	ON: Passenger door remote power window AUTO switch operates OFF: Passenger door remote power window AUTO switch does not operate	–
RL P/W Auto SW	RL Door P/W Auto SW	ON: Rear LH door remote power window AUTO switch operates OFF: Rear LH door remote power window AUTO switch does not operate	–
RR P/W Auto SW	RR Door P/W Auto SW	ON: Rear RH door remote power window AUTO switch operates OFF: Rear RH door remote power window AUTO switch does not operate	–
Limit SW	Jam Protection Limit SW	ON: Jam protection limit switch operates OFF: Jam protection limit switch does not operate	–

#### DOOR ECU (PASSENGER, REAR LH, REAR RH): (SWITCH CONDITION)

Item	Measurement Item/ Display (Range)	Normal Condition	Diagnostic Note
P/W Auto SW	Door P/W Auto SW	ON: Door power window AUTO switch operates OFF: Door power window AUTO switch do not operate	–
Limit SW	Jam Protection Limit SW	ON: Jam protection limit switch operates OFF: Jam protection limit switch does not operate	–

#### DOOR ECU (ALL DOORS): (GLASS POSITION)

Item	Measurement Item/ Display (Range)	Normal Condition	Diagnostic Note
Glass Pos – 1/4	Glass Position (Close – 1/4)	OK: Power window is moving UP by manual operation CAUTION: CAUTION may be displayed even when no resistance is applied in each position. In this case there is a foreign object stuck in that position.	–
Glass Pos – 2/4	Glass Position (1/4 – 2/4)	OK: Power window is moving UP by manual operation CAUTION: CAUTION may be displayed even when no resistance is applied in each position. In this case there is a foreign object stuck in that position.	–
Glass Pos – 3/4	Glass Position (2/4 – 3/4)	OK: Power window is moving UP by manual operation CAUTION: CAUTION may be displayed even when no resistance is applied in each position. In this case there is a foreign object stuck in that position.	–
Glass Pos – OPEN	Glass Position (3/4 – open)	OK: Power window is moving UP by manual operation CAUTION: CAUTION may be displayed even when no resistance is applied in each position. In this case there is a foreign object stuck in that position.	–

## 2. ACTIVE TEST

**NOTICE:**

**ACTIVE TEST causes vehicle parts to move. Please watch your hands.**

**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 troubleshooting is one way to shorten labor time. The DATA LIST can be displayed during the ACTIVE TEST.

- (a) Connect the intelligent tester II to the DLC3.
- (b) Turn the ignition switch ON.
- (c) Performing the ACTIVE TEST according to the display on the tester.

**Door ECU (ALL DOORS):**

Item	Tester Detail	Diagnostic Note
P/W Up/Down	Power Window	–