DATA LIST / ACTIVE TEST

1. 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) Turn the ignition switch ON.
(c) Read the DATA LIST according to the display on the tester.

Power slide door ECU LH/RH:

Item	Measurement Item / Display (Range)	Normal Condition	Diagnostic Note
POLE*1 SW	Power slide door lock pawl*1 position switch signal / ON or OFF	ON: Slide door is unlatched OFF: Slide door is latched	-
HALF SW	Power slide door lock half latch switch signal / ON or OFF	ON: Slide door is not completely closed OFF: Slide door is closed	-
FULL SW	Power slide door lock full latch switch signal / ON or OFF	ON: Slide door is open OFF: Slide door is closed	-
PSD SW OPER	Power slide door switch operation (Satellite switch) / 0.8s or 0.0s*2	0.8s: Satellite switch 0.8sec.-press (long press) operates power slide door 0.0s*2: Satellite switch 1-press operates power slide door	-
PSD BUZZ VOL	Warning buzzer volume during power slide door operation / OFF, SMALL or LARGE	OFF: Warning buzzer that notifies power slide door is operating does not sound SMALL: Warning buzzer that notifies power slide door is operating sounds at small volume LARGE: Warning buzzer that notifies power slide door is operating sounds at large volume	-
WIRELS PSD OPER	Wireless power slide door switch operation (Transmitter switch operation) / 1TIME, 2TIME, 0.8sPR or OFF	1TIME: Transmitter switch 1-press operates power slide door 2TIMES: Transmitter switch 2-presses operates power slide door 0.8sPR: Transmitter switch 0.8s.-press operates power slide door OFF: Transmitter switch operation is disabled	-
PSD TOUCH SEN	Power slide door touch sensor signal / OFF, ON or OPEN	OFF: Power slide door touch sensor is not pressed ON: Power slide door touch sensor is pressed OPEN: Power slide door touch sensor is opened	-
CLOSER POS SW	Power slide door lock closer position switch signal / ON or OFF	ON: Closer is not in initial position and inside / outside handle is not pulled OFF: Closer is in initial position and inside / outside handle is pulled	-
HANDLE SW	Handle operation detect switch signal / ON or OFF	ON: Slide door inside / outside handle is pulled OFF: Slide door inside / outside handle is not pulled	-
PSD MAIN SW	Power slide door main switch signal / ON or OFF	ON: Orange paint on top of switch appears OFF: Orange paint on top of switch does not appear	-
B PILLAR SW*3	Power slide door control switch*3 signal / ON or OFF	ON: Power slide door control switch*3 is pushed OFF: Power slide door control switch*3 is not pushed	-
CHILD LOCK SW	Child protection detect switch signal / ON or OFF	ON: Child lock lever is LOCK OFF: Child lock lever is UNLOCK	-
FUEL LID SW*4	Fuel lid courtesy switch signal / ON or OFF	ON: Fuel lid is closed OFF: Fuel lid is open	-

Item	Measurement Item / Display (Range)	Normal Condition	Diagnostic Note
DOOR POS-1/4	Slide door position (Full close - 1/4 open) / CAUTION or OK	CAUTION: Slide door position is not fully closed - 1/4 opened OK: Slide door position is fully closed - 1/4 opened	*5
DOOR POS-2/4	Slide door position (1/4 open - 2/4 open) / CAUTION or OK	CAUTION: Slide door position is not 1/4 opened - 2/4 opened OK: Slide door position is 1/4 opened - 2/4 opened	*5
DOOR POS-3/4	Slide door position (2/4 open - 3/4 open) / CAUTION or OK	CAUTION: Slide door position is not 2/4 opened - 3/4 opened OK: Slide door position is 2/4 opened - 3/4 opened	*5
DOOR POS-OPEN	Slide door position (3/4 open - full open) / CAUTION or OK	CAUTION: Slide door position is not 3/4 opened - fully opened OK: Slide door position is 3/4 opened - fully opened	*5

*1 "POLE" appears on the display of the intelligent tester, however the name of the part corresponding to the display of the tester is "pawl".

*2 "0.0s" appearing on the display of the intelligent tester means that a 1-press of the satellite switch operates the power slide door.

*3 "B PILLAR SW" appears on the display of the intelligent tester, however the name of the part corresponding to the display of the tester is "Power slide door control switch".

*4 Power slide door ECU LH only.

*5 In case that the "CAUTION" is displayed even without resistance applied in each range, there must be a foreign object caught somewhere in that range.

2. 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) Turn the ignition switch ON.
(c) Perform the ACTIVE TEST according to the display on the tester.

Power Slide Door ECU LH/RH

Item	Normal Condition	Diagnostic Note
PSD MOTOR	Power slide door control motor is operation OFF / FORWARD / REVERAE	Clutch is OFF while power slide door motor is operating
PSD CLUTCH	Power slide door control clutch is release OFF / ON	Power slide door motor is OFF when clutch is ON
PSD BUZZER	Power slide door warning buzzer sound OFF / ON	-
RELEASE ACT	Slide door lock release motor is release OFF / ON	-