

## DATA LIST / ACTIVE TEST

### 1. READ DATA LIST

#### HINT:

Using the intelligent tester's 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 save 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.

#### Sliding roof:

Item	Measurement Item / Display (Range)	Normal Condition	Diagnostic Note
CLOSE SW	Slide switch close signal / ON or OFF	ON: TILT UP switch is pressed OFF: TILT UP switch is not pressed	-
OPEN SW	Slide switch open signal / ON or OFF	ON: SLIDE OPEN switch is pressed OFF: SLIDE OPEN switch is not pressed	-
IG (MPX)	Ignition switch signal (MPX signal) / ON or OFF	ON: Ignition switch is ON OFF: Ignition switch is OFF	-
IG (DIRCT SIG)	Ignition switch signal (Direct signal) / ON or OFF	ON: Ignition switch is ON OFF: Ignition switch is OFF	-
KEY OFF PERMS	Key off permission / ON or OFF	ON: Ignition switch is ON OFF: Ignition switch is OFF	-
HALL IC1 STATUS	Sliding roof operating signal / NORMAL or LOCK	NORMAL: Sliding roof motor is operating LOCK: Sliding roof motor is not operating	-
HALL IC1 PULSE	Sliding roof operating signal / LO or HI	LO: Sliding roof motor is not operating HI: Sliding roof motor is operating	-
HALL IC2 STATUS	Sliding roof operating signal / NORMAL or LOCK	NORMAL: Sliding roof motor is operating LOCK: Sliding roof motor is not operating	-
HALL IC2 PULSE	Sliding roof operating signal / LO or HI	LO: Sliding roof motor is not operating HI: Sliding roof motor is operating	-

### 2. PERFORM ACTIVE TEST

#### HINT:

Performing the intelligent tester's 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 save time. The Data List can be displayed 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.

**Sliding roof ECU:**

Item	Test Details	Diagnostic Note
SLIDE ROOF	Operate sliding roof CLS / UP CLS / UP: Sliding roof CLOSE or UP operation occurs OFF: Sliding roof is not operating	-
SLIDE ROOF	Operate sliding roof OPN / DWN OPN / DWN: Sliding roof OPEN or DOWN operation occurs OFF: Sliding roof is not operating	-