

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.

Sliding roof ECU:

Item	Measurement Item / Display (Range)	Normal Condition	Diagnostic Note
Open SW	Sliding roof open switch signal/ON or OFF	ON: Sliding roof open switch is pressed OFF: Sliding roof open switch is not pressed	–
Close SW	Sliding roof close switch signal/ON or OFF	ON: Sliding roof close switch is pressed OFF: Sliding roof close switch is not pressed	–
Up SW	Sliding roof up switch signal/ON or OFF	ON: Sliding roof up switch is pressed OFF: Sliding roof up switch is not pressed	–
Down SW	Sliding roof down switch signal/ON or OFF	ON: Sliding roof down switch is pressed OFF: Sliding roof down switch is not pressed	–
Limit SW1	Sliding roof operating signal/ON or OFF	ON: Sliding roof motor is operating OFF: Sliding roof motor is not operating	–
Limit SW2	Sliding roof operating signal/ON or OFF	ON: Sliding roof motor is operating OFF: Sliding roof motor is not operating	–
Hall IC Pulse	Sliding roof operating signal/LO or HI	LO: Sliding roof motor is not operating HI: Sliding roof motor is operating	–
Hall IC Status	Sliding roof operating signal/NORMAL or LOCK	NORMAL: Sliding roof motor is operating LOCK: Sliding roof motor is not operating	–
IG (Dirct SIG)	Ignition switch signal/ON or OFF	ON: Ignition switch ON OFF: Ignition switch OFF	–
IG (MPX)	Ignition switch signal(MPX signal)/ON or OFF	ON: Ignition switch ON OFF: Ignition switch OFF	–
D-Door Warn SW	Driver side door courtesy lamp switch signal/ ON or OFF	ON: Driver side door is open OFF: Driver side door is closed	–
Key Open Oprt	Key-linked sliding roof open signal/ON or OFF	ON: Door lock is turned to open position using key OFF: Door lock is not turned	–
Key Close Oprt	Key-linked sliding roof close signal/ON or OFF	ON: Door lock is turned to close position using key OFF: Door lock is not turned	–
Wirles Opn Oprt	Wireless sliding roof open signal/ON or OFF	ON: Transmitter UNLOCK switch is pressed OFF: Transmitter UNLOCK switch is not pressed	–
Wirles Cl Oprt	Wireless sliding roof close signal/ON or OFF	ON: Transmitter LOCK switch is pressed OFF: Transmitter LOCK switch is not pressed	–
Close Signal	Sliding roof position signal/OPEN or CLOSE	OPEN: Sliding roof is open CLOSE: Sliding roof is fully closed	–

Item	Measurement Item / Display (Range)	Normal Condition	Diagnostic Note
Key Off Perms	Key-OFF sliding roof operation permit signal/ON or OFF	ON: Driver side door is not closed within 45 sec. after ignition switch is turned OFF. OFF: Any status except "ON" status	–
Open/Door Key	Key-linked sliding roof open permit signal/ Available or Not available	Available: Driver side door is not closed within 45 sec. after ignition switch is turned OFF. Not Available: Any status except "AVAIL" status	–
Close/Door Key	Key-linked sliding roof open permit signal/ Available or Not available	Available: Driver side door is not closed within 45 sec. after ignition switch is turned OFF. Not Available: Any status except "AVAIL" status	–
Open/Wireless	Wireless sliding roof open permit signal/ Available or Not available	Available: No key is in ignition key cylinder and all doors are closed. Not Available: Any status except "AVAIL" status	–
Door Key Oper	Key-linked sliding roof operating direction signal/Tilt or Slide	Tilt: Slide close direction → Tilt up direction Slide: Slide open direction → Tilt down direction	–
Wireless Oper	Wireless sliding roof operating direction signal/Tilt or Slide	Tilt: Slide close direction → Tilt up direction Slide: Slide open direction → Tilt down direction	–

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 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.

Sliding roof ECU:

Item	Test Details	Diagnostic Note
Slide Roof	Operate sliding roof CLOS/UP	–
Slide Roof	Operate sliding roof OPN/DWN	–