05JVK–01

PRE–CHECK

1. DATA LIST

HINT:

Using the hand–held tester 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.

(a) Connect the hand–held tester to the DLC3.
(b) Turn the ignition switch ON.
(c) 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	OK: Sliding roof open switch is pressed OFF: Sliding roof open switch is not pressed	–
CLOSE SW	Sliding roof close switch signal /ON or OFF	OK: Sliding roof close switch is pressed OFF: Sliding roof close switch is not pressed	–
IG (DIRCT SIG)	Ignition switch signal/ ON or OFF	ON: Ignition switch ON OFF: Sliding roof switch OFF	–
IG (MPX)	Ignition switch signal/ (MPX signal)/ ON or OFF	ON: Ignition switch ON OFF: Sliding roof switch OFF	–
KEY OFF PERMS	Key–OFF sliding roof operation permit signal/ ON or OFF	ON: Driver side door is not closed within 45 seconds after ignition switch is turned OFF OFF: Any status except ”ON” status	–
HALL IC1 PULSE	Sliding roof motor Hall IC1 pulse signal/ LO or HI	HI: Hall IC1 outputs pulse LO: Hall IC1 does not output pulse	–
HALL IC1 STATUS	Sliding roof motor status signal (HALL IC1)/ NORMAL or LOCK	NORMAL: Sliding roof motor is operating normally LOCK: Sliding roof motor is locked	–
HALL IC2 PULSE	Sliding roof motor Hall IC2 pulse signal/ LO or HI	HI: Hall IC2 outputs pulse LO: Hall IC2 does not output pulse	–
HALL IC2 STATUS	Sliding roof motor status signal (HALL IC2)/ NORMAL or LOCK	NORMAL: Sliding roof motor is operating normally LOCK: Sliding roof motor is locked	–
D–DOOR WARN SW	Driver side door courtesy switch signal/ ON or OFF	ON: Driver side door is open OFF: Driver side door is closed	–

2. ACTIVE TEST

HINT:

Performing the hand–held tester 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 hand–held 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 CLOSE/ UP Operate sliding roof OPEN/ DOWN	–