

INITIALIZATION

1. INITIALIZE SLIDING ROOF DRIVE GEAR SUB-ASSEMBLY

NOTICE:

When replacing the sliding roof drive gear, the sliding roof drive gear requires initialization. If a reset is not executed, the following functions do not operate: auto operation and key off operation.

- (a) Turn the ignition switch ON.
- (b) If the sliding roof is open, close it fully.
- (c) By pushing the slide open switch of the slide switch or the up switch of the tilt switch on the personal light, make the sliding roof operate as follows: Tilt up → approximately 1 second → tilt down → slide open → slide closed.
- (d) Check that the sliding roof stops at the fully closed position.
- (e) Finish the initialization.
- (f) Check that the AUTO operation works normally.

NOTICE:

If the following conditions occur while operating, initialization will fail.

- **Ignition switch is turned OFF.**
- **Pushed sliding roof control switch is released while sliding roof is operating.**
- **Vehicle speed is 5 km/h (3 mph) or more.**
- **Communication is cut off.**

HINT:

- If the sliding roof cannot fully close or its position has become misaligned, perform the initialization again.
- If the sliding roof TILT UP switch or SLIDE CLOSE switch is pressed and held until the roof glass has either stopped moving or started moving in the opposite direction, and then the switch is held for another 10 seconds or more, perform the initialization again.
- If the AUTO operation function and jam protection function do not operate after the drive gear has been reset, replace the sliding roof drive gear (sliding roof ECU).

PROBLEM SYMPTOMS TABLE

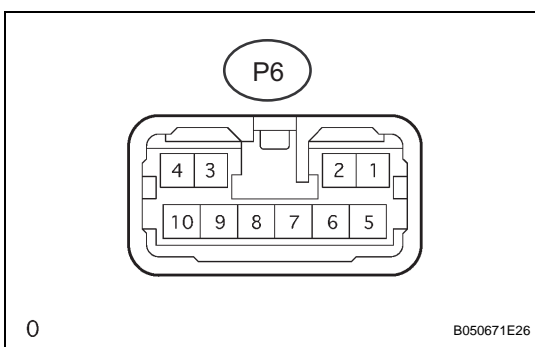
HINT:

Use the table below to help determine the cause of the problem symptom. The potential causes of the symptoms are listed in order of probability in the "Suspected Area" column of the table. Check each symptom by checking the suspected areas in the order they are listed. Replace parts as necessary.

Inspect the fuses and relays related to this system before inspecting the suspected areas below.

Sliding Roof System

Symptom	Suspected area	See page
Sliding function and tilt function do not operate	Sliding roof ECU power source circuit	RF-25
Either sliding function or tilt function does not operate	Sliding roof control switch circuit	RF-22



TERMINALS OF ECU

1. **CHECK SLIDING ROOF DRIVE GEAR SUB-ASSEMBLY (SLIDING ROOF ECU)**
 - (a) Disconnect the P6 ECU connector.
 - (b) Measure the resistance and voltage of the wire harness side connector.

RF

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
+B (P6-1) - GND (P6-2)	L - W-B	+B power supply	Always	10 to 14 V
IG (P6-5) - GND (P6-2)	V - W-B	Power supply	Ignition switch OFF	Below 1 V
IG (P6-5) - GND (P6-2)	V - W-B	Power supply	Ignition switch ON	10 to 14 V
DWN (P6-7) - GND (P6-2)	R - W-B	Sliding roof motor open	SLIDE OPEN switch OFF	10 kΩ or higher
DWN (P6-7) - GND (P6-2)	R - W-B	Sliding roof motor open	SLIDE OPEN switch ON	Below 1 Ω
UP (P6-9) - GND (P6-2)	Y - W-B	Sliding roof motor close	TILT UP switch OFF	10 kΩ or higher
UP (P6-9) - GND (P6-2)	Y - W-B	Sliding roof motor close	TILT UP switch ON	Below 1 Ω
GND (P6-2) - Body ground	W-B - Body ground	Ground	Always	Below 1 Ω

- (c) Reconnect the P6 ECU connector.
- (d) Measure the voltage of the connector.

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
DWN (P6-7) - GND (P6-2)	R - W-B	Sliding roof motor open	Ignition switch ON, sliding roof closed, SLIDE OPEN switch OFF	Below 1 V
DWN (P6-7) - GND (P6-2)	R - W-B	Sliding roof motor open	Ignition switch ON, sliding roof closed, SLIDE OPEN switch ON	10 to 14 V
UP (P6-9) - GND (P6-2)	Y - W-B	Sliding roof motor close	Ignition switch on, sliding roof open, TILT UP switch OFF	Below 1 V
UP (P6-9) - GND (P6-2)	Y - W-B	Sliding roof motor close	Ignition switch on, sliding roof open, TILT UP switch ON	10 to 14 V

If the result is not as specified, the ECU may have a malfunction.