

Diagnosis – Function Test (Power Windows)

Preparation for Test:

1. Fuses ok.
2. Battery voltage 11 to 14 V.
3. Convenience Feature functional.

Test step/Test scope	Test condition	Nominal value	Possible cause/Remedy ¹⁾
⇒ 1.0 Left front window Manual Open/Close	Press left front power window switch (S21s1) down to first detent: Pull switch up:	Window opens as long as switch is pressed down. Window closes as long as switch is pulled up.	23a ⇒ 4.0, 23a ⇒ 5.0
⇒ 2.0 Left front window One-touch Opening	Press left front power window switch (S21s1) down to second detent:	Window opens completely after briefly (<.3 sec.) pressing switch.	23a ⇒ 7.0, 23a ⇒ 4.0, 23a ⇒ 6.0
⇒ 3.0 Right front window Manual Open/Close	Press right front power window switch (S21s2) down to first detent: Pull switch up:	Window opens as long as switch is pressed down. Window closes as long as switch is pulled up.	23a ⇒ 9.0, 23a ⇒ 10.0
⇒ 4.0 Right front window One-touch Opening	Press right front power window switch (S21s2) down to second detent:	Window opens completely after briefly (<.3 sec.) pressing switch.	23a ⇒ 12.0, 23a ⇒ 9.0, 23a ⇒ 11.0

1) Observe Preparation for Test, see 22.

Diagnosis – Function Test (Power Windows)

Test step/Test scope	Test condition	Nominal value	Possible cause/Remedy ¹⁾
⇒ 5.0 Left rear window Manual Open/Close	Press left rear power window switch (S21s3) in center console down : Pull switch up:	Window opens as long as switch is pressed down. Window closes as long as switch is pulled up.	23a ⇒ 14.0, 23a ⇒ 15.0
⇒ 6.0 Left rear window Manual Open/Close	Press left rear power window switch (S21/15s1) (rear center console) down : Pull switch up:	Window opens as long as switch is pressed down. Window closes as long as switch is pulled up.	23a ⇒ 16.0

1) Observe Preparation for Test, see 22.

Diagnosis – Function Test (Power Windows)

Test step/Test scope	Test condition	Nominal value	Possible cause/Remedy ¹⁾
<p>⇒ 7.0 Right rear window Manual Open/Close</p>	<p>Press right rear power window switch (S21s4) in center console down:</p> <p>Pull switch up:</p>	<p>Window opens as long as switch is pressed down.</p> <p>Window closes as long as switch is pulled up.</p>	<p>23a ⇒ 18.0, 23a ⇒ 19.0</p>
<p>⇒ 8.0 Right rear window Manual Open/Close</p>	<p>Press right rear power window switch (S21/15s2) (rear center console) down:</p> <p>Pull switch up:</p>	<p>Window opens as long as switch is pressed down.</p> <p>Window closes as long as switch is pulled up.</p>	<p>23a ⇒ 20.0</p>

1) Observe Preparation for Test, see 22.

Diagnosis – Function Test (Rear Power Vent Windows)

Preparation for Test:

1. Fuses ok.
2. Battery voltage 11 to 14 V.
3. Convenience Feature functional.

Test step/Test scope	Test condition	Nominal value	Possible cause/Remedy ¹⁾
⇒ 1.0 Left rear power vent window	Press upper half of left rear power vent window switch (S21/13): Press lower half of same switch:	Left rear power vent window opens as long as switch is pressed. Left rear power vent window closes as long as switch is pressed.	23b ⇒ 1.0, 23b ⇒ 2.0
⇒ 2.0 Right rear power vent window	Press upper half of right rear power vent window switch (S21/14): Press lower half of same switch:	Right rear power vent window opens as long as switch is pressed. Right rear power vent window closes as long as switch is pressed.	23b ⇒ 3.0, 23b ⇒ 4.0

¹⁾ Observe Preparation for Test, see 22.

Diagnosis – Function Test (Sliding/Pop-Up Roof)

Preparation for Test:

1. Fuses OK.
2. Battery voltage 11 to 14 V
3. Convenience Feature functional.

Test step/Test scope	Test condition	Nominal value	Possible cause/Remedy ¹⁾
⇒ 1.0 Open sliding roof.	Press sliding/pop-up roof switch (S13/2) toward rear .	Sliding roof opens as long as switch is pressed to rear .	23c ⇒ 4.0
⇒ 2.0 Open sliding roof. "Express Open" Function	Briefly (< 0.3 sec.) press sliding/pop-up roof switch (S13/2) toward rear.	Sliding roof opens completely .	23c ⇒ 4.0
⇒ 3.0 Close sliding roof.	Press sliding/pop-up roof switch (S13/2) forward .	Sliding roof closes as long as switch is pressed forward .	23c ⇒ 5.0
⇒ 4.0 Open pop-up roof.	Push sliding/pop-up roof switch (S13/2) up .	Pop-up roof opens as long as switch is pushed up .	23c ⇒ 3.0
⇒ 5.0 Close pop-up roof.	Pull sliding/pop-up roof switch (S13/2) downward .	Pop-up roof closes as long as switch is pulled downward .	23c ⇒ 5.0

¹⁾ Observe Preparation for Test, see 22.

Diagnosis – Function Test (Electric sliding roof - Skyview Top)

Preparation for Test:

1. Fuses OK.
2. Battery voltage 11 to 14 V
3. Convenience Feature functional.

Test step/Test scope	Test condition	Nominal value	Possible cause/Remedy ¹⁾
⇒ 1.0 Open/close sliding roof.	<p>Press sliding roof switch (S13/4) toward rear.</p> <p>Press sliding roof switch (S13/) forward.</p>	<p>Sliding roof opens as long as switch is pressed towards rear.</p> <p>Sliding roof closes as long as switch is pressed forward.</p>	<p>23d ⇒ 1.0</p> <p>23d ⇒ 2.0</p> <p>23d ⇒ 3.0</p>
⇒ 2.0 Open sliding roof. "Express Open" Function	Briefly (< 0.3 sec.) press sliding roof switch (S13/4) toward rear.	Sliding roof opens completely .	<p>23d ⇒ 1.0</p> <p>23d ⇒ 3.0</p>

¹⁾ Observe Preparation for Test, see 22.