

Diagnosis – Complaint Related Diagnostic Chart

Complaint/Problem	Possible cause	Test step/Remedy ¹⁾
No. 1 Sliding/pop-up roof does not operate with sliding/pop-up roof switch.	Voltage supply circuit 30E, 15R Sliding/pop-up roof voltage supply Sliding/pop-up roof electrical circuit Sliding/pop-up roof relay (M12/1k1, M12/1k2) Sliding/pop-up roof motor (M12/1m1) Combination control module (N10-1)	23 ⇒ 3.0, 4.0 23 ⇒ 11.0 23 ⇒ 12.0 – 19.0
No. 2 Sliding/pop-up roof or power windows do not operate with ignition key in position “1” .	Voltage supply circuit 30A, 30B, 15R Combination control module (N10-1)	23 ⇒ 1.0, 2.0, 4.0
No. 3 Sliding/pop-up roof does not close/lower .	Sliding/pop-up roof circuit Sliding/pop-up roof relay (M12/1k1, M12/1k2) Sliding/pop-up roof motor (M12/1m1)	23 ⇒ 12.0, 13.0, 18.0, 19.0
No. 4 Sliding roof does not open.	Sliding/pop-up roof circuit Sliding/pop-up roof relay (M12/1k1, M12/1k2) Sliding/pop-up roof motor (M12/1m1)	23 ⇒ 14.0, 15.0
No. 5 Pop-up roof does not open.	Sliding/pop-up roof circuit Sliding/pop-up roof relay (M12/1k1, M12/1k2) Sliding/pop-up roof motor (M12/1m1)	23 ⇒ 16.0, 17.0
No. 6 Left front power window does not open .	Voltage supply circuit 30A, 30E, 15R Left front power window circuit Left front power window motor (M10/3) Combination control module (N10-1)	23 ⇒ 1.0, 3.0, 4.0 23 ⇒ 20.0, 21.0 23 ⇒ 32.0, 33.0

¹⁾ Observe Preparation for Test, see 22.

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No. 7 Left front power window one-touch opening does not operate.	Voltage supply circuit 30A, 30E, 15R Left front power window circuit Left front power window motor (M10/3) Combination control module (N10-1)	23 ⇒ 1.0, 3.0, 4.0 23 ⇒ 20.0, 21.0 23 ⇒ 32.0, 33.0
No. 8 Left front power window does not close .	Voltage supply circuit 30A, 30E, 15R Left front power window circuit Left front power window motor (M10/3) Combination control module (N10-1)	23 ⇒ 1.0, 3.0, 4.0 23 ⇒ 20.0, 22.0 23 ⇒ 32.0, 33.0
No. 9 Right front power window does not open .	Voltage supply circuit 30B, 30E, 15R Right front power window circuit Right front power window motor (M10/4) Combination control module (N10-1)	23 ⇒ 1.0, 3.0, 4.0 23 ⇒ 20.0, 23.0 23 ⇒ 34.0, 35.0
No. 10 Right front power window one-touch opening does not operate.	Voltage supply circuit 30B, 30E, 15R Right front power window circuit Right front power window motor (M10/4) Combination control module (N10-1)	23 ⇒ 1.0, 3.0, 4.0 23 ⇒ 20.0, 23.0 23 ⇒ 34.0, 35.0
No. 11 Right front power window does not close .	Voltage supply circuit 30B, 30E, 15R Right front power window circuit Right front power window motor (M10/4) Combination control module (N10-1)	23 ⇒ 1.0, 3.0, 4.0 23 ⇒ 20.0, 24.0 23 ⇒ 34.0, 35.0

¹⁾ Observe Preparation for Test, see 22.

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No. 12 Left rear power window does not open .	Voltage supply circuit 30B, 30E, 15R Left rear power window circuit Left rear power window motor (M10/5) Combination control module (N10-1)	23 ⇒ 2.0, 3.0, 4.0 23 ⇒ 20.0, 25.0 23 ⇒ 36.0, 37.0
No. 13 Left rear power window does not close .	Voltage supply circuit 30A, 30E, 15R Left rear power window circuit Left rear power window motor (M10/5) Combination control module (N10-1)	23 ⇒ 2.0, 3.0, 4.0 23 ⇒ 20.0, 26.0 23 ⇒ 36.0, 37.0
No. 14 Right rear power window does not open .	Voltage supply circuit 30A, 30E, 15R Right rear power window circuit Right rear power window motor (M10/6) Combination control module (N10-1)	23 ⇒ 2.0, 3.0, 4.0 23 ⇒ 20.0, 27.0 23 ⇒ 38.0, 39.0
No. 15 Rear right power window does not close .	Voltage supply circuit 30B, 30E, 15R Right rear power window circuit Right rear power window motor (M10/6) Combination control module (N10-1)	23 ⇒ 2.0, 3.0, 4.0 23 ⇒ 20.0, 28.0 23 ⇒ 38.0, 39.0
No. 16 Child safety lock-out for left rear or right rear door does not operate.	Circuit for rear power windows safety switch (S21/7) (center console)	23 ⇒ 29.0

1) Observe Preparation for Test, see 22.

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No. 17 Central locking, power windows, sliding/pop-up roof do not operate with infrared remote central locking via RCL receiver (A26/7) (interior rearview mirror) or with ignition key	Voltage supply circuit 30A, 30B, 30E Driver's door lock circuit, front passenger's door lock circuit or trunk lid lock circuit RCL control module (N54) Lock switch circuit Combination control module (N10-1)	23 ⇒ 1.0, 2.0, 3.0 23 ⇒ 5.0, 6.0, 7.0, 8.0 23 ⇒ 43.0 D.M., Body and Accessories, Vol. 1, 4.5 23 ⇒ 32.0, 33.0

1) Observe Preparation for Test, see 22.