

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 30A, 30E Sliding/pop-up roof circuit Sliding/pop-up roof relay (K24) Sliding/pop-up roof motor (M12)	23 ⇒ 1.0, 3.0, 23 ⇒ 6.0, 7.0, 8.0.
No. 2 Sliding/pop-up roof or power windows do not operate with ignition key in position 1 .	Voltage supply circuit 30A, 30B, 15R CF module (N57)	23 ⇒ 1.0, 2.0, 4.0.
No. 3 Not applicable to U.S. version vehicles.		
No. 4 Sliding/pop-up roof does not close/lower .	Sliding/pop-up roof circuit Sliding/pop-up roof relay module (K24) Sliding/pop-up roof motor (M12)	23 ⇒ 6.0.
No. 5 Sliding roof does not open.	Sliding/pop-up roof circuit Sliding/pop-up roof relay module (K24) Sliding/pop-up roof motor (M12)	23 ⇒ 7.0.
No. 6 Pop-up roof does not open.	Sliding/pop-up roof circuit Sliding/pop-up roof relay module (K24) Sliding/pop-up roof motor (M12)	23 ⇒ 8.0.

1) Observe Preparation for Test, see 22.

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No. 7 Left front power window does not open .	Voltage supply circuit 30A, 30E Left front power window circuit Left front power window motor (M10/3) CF module (N57)	23 ⇒ 1.0, 3.0. 23 ⇒ 10.0. 23 ⇒ 29.0.
No. 8 Left front power window one-touch opening does not operate.	Voltage supply circuit 30A, 30E Window not calibrated to base position Left front power window switch (S21/1) Left front power window motor (M10/3) CF module (N57)	23 ⇒ 1.0, 3.0 (SMS, Repair Instructions, Job No. 72-186). 23 ⇒ 12.0. 23 ⇒ 29.0.
No. 9 Left front power window does not close .	Voltage supply circuit 30A, 30E Left front power window switch (S21/1) Left front power window motor (M10/3) CF module (N57)	23 ⇒ 1.0, 3.0. 23 ⇒ 11.0. 23 ⇒ 29.0.
No. 10 Left front power window one-touch closing does not operate.	Voltage supply circuit 30A, 30E Window not calibrated to base position Left front power window switch (S21/1) Left front power window motor (M10/3) CF module (N57)	23 ⇒ 1.0, 3.0 (SMS, Repair Instructions, Job No. 72-186). 23 ⇒ 13.0. 23 ⇒ 29.0.

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No. 11 Left front power window cannot be calibrated to base position.	Left front power window motor (M10/3) CF module (N57)	23 ⇒ 29.0.
No. 12 Right front power window does not open .	Voltage supply circuit 30B, 30E Right front power window switch (S21/2) Right front power window motor (M10/4) CF module (N57)	23 ⇒ 2.0, 3.0. 23 ⇒ 14.0. 23 ⇒ 30.0.
No. 13 Right front power window one-touch opening does not operate.	Voltage supply circuit 30B, 30E Window not calibrated to base position Right front power window switch (S21/2) Right front power window motor (M10/4) CF module (N57)	23 ⇒ 2.0, 3.0. (SMS, Repair Instructions, Job No. 72-186). 23 ⇒ 16.0. 23 ⇒ 30.0.
No. 14 Right front power window does not close .	Voltage supply circuit 30B, 30E Right front power window switch (S21/2) Right front power window motor (M10/4) CF module (N57)	23 ⇒ 2.0, 3.0. 23 ⇒ 15.0. 23 ⇒ 30.0.
No. 15 Right front power window one-touch closing does not operate.	Voltage supply circuit 30B, 30E Window not calibrated to base position Right front power window switch (S21/2) Right front power window motor (M10/4) CF module (N57)	23 ⇒ 2.0, 3.0. (SMS, Repair Instructions, Job No. 72-186). 23 ⇒ 17.0. 23 ⇒ 30.0.

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No. 16 Right front power window cannot be calibrated to base position. ¹⁾	Right front power window motor (M10/4) CF module (N57)	23 ⇒ 30.0.
No. 17 Left rear power window does not open .	Voltage supply 30B, 30E Left rear power window circuit Left rear power window motor (M10/5) CF module (N57)	23 ⇒ 2.0, 3.0. 23 ⇒ 18.0, 30.0. 23 ⇒ 31.0.
No. 18 ²⁾ Left rear power window one-touch opening does not operate.	Voltage supply 30B, 30E Window not calibrated to base position Left rear power window circuit Left rear power window motor (M10/5) CF module (N57)	23 ⇒ 2.0, 3.0. (SMS, Repair Instructions, Job No. 72-188). 23 ⇒ 20.0, 26.0. 23 ⇒ 31.0.
No. 19 Left rear power window does not close .	Voltage supply 30B, 30E Left rear power window circuit Left rear power window motor (M10/5) CF module (N57)	23 ⇒ 2.0, 3.0. 23 ⇒ 19.0, 26.0. 23 ⇒ 31.0.

1) Observe Preparation for Test, see 22.

2) Sedan only

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No. 20 ²⁾ Left rear power window one-touch closing does not operate.	Voltage supply 30B, 30E Window not calibrated to base position Left rear power window circuit Left rear power window motor (M10/5) CF module (N57)	23 ⇒ 2.0, 3.0. (SMS, Repair Instructions, Job No. 72-188). 23 ⇒ 21.0, 26.0. 23 ⇒ 31.0.
No. 21 Left rear power window cannot be calibrated to base position. ¹⁾	Left rear power window motor (M10/5) CF module (N57)	23 ⇒ 31.0.
No. 22 Right rear power window does not open .	Voltage supply 30A, 30E Right rear power window circuit Right rear power window motor (M10/6)	23 ⇒ 1.0, 3.0. 23 ⇒ 22.0, 26.0. 23 ⇒ 32.0
No. 23 ²⁾ Right rear power window one-touch opening does not operate.	Voltage supply 30A, 30E Window not calibrated to base position Right rear power window circuit Right rear power window motor (M10/6) CF module (N57)	23 ⇒ 1.0, 3.0. (SMS, Repair Instructions, Job No. 72-188). 23 ⇒ 24.0, 26.0. 23 ⇒ 32.0.
No. 24 Rear right power window does not close .	Voltage supply 30A, 30E Right rear power window circuit Right rear power window motor (M10/6) CF module (N57)	23 ⇒ 1.0, 3.0. 23 ⇒ 23.0, 26.0. 23 ⇒ 32.0.

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No. 25 ²⁾ Right rear power window one-touch closing does not operate.	Voltage supply 30A, 30E Window not calibrated to base position Right rear power window circuit Right rear power window motor (M10/6) CF module (N57)	23 ⇒ 1.0, 3.0. (SMS, Repair Instructions, Job No. 72-188). 23 ⇒ 25.0, 27.0. 23 ⇒ 32.0.
No. 26 Right rear window can not be calibrated to base position. ¹⁾	Right rear power window motor (M10/6) CF module (N57)	23 ⇒ 32.0.
No. 27 Child safety lock-out for left rear or right rear door does not operate.	Circuit for rear power windows safety switch (S21/7)	23 ⇒ 26.0.
No. 28 Window loses calibration after one actuation to end position.	Power window stop adjustment	(SMS, Repair Instructions, Job Nos. 72-185, or 72-187).
No. 29 Central locking, power windows, sliding/pop-up roof does not operate with the ignition key via the driver's door, front passenger's door or trunk lid lock.	Voltage supply circuit 30A, 30B, 30E Window not calibrated to base position Driver's door lock circuit, front passenger's door lock circuit or trunk lid lock circuit CF module (N57)	23 ⇒ 1.0, 2.0, 3.0. (SMS, Repair Instructions, Job Nos. 72-186, 72-188). 23 ⇒ 27.0.

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²⁾ Sedan only

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No. 30 Seat adjustment does not operate (Fuse F3-32 has no voltage) with either front door open or ignition key in position 1.	Voltage supply circuit 30B, 30E Convenience system relay (K24) CF module (N57)	23 ⇒ 2.0, 3.0. 23 ⇒ 28.0.
No. 31 ³⁾ Left front and left rear ⁴⁾ side window does not open (4mm), when opening the left front door.	Left front rotary tumbler microswitch (S86s2) Window not calibrated to base position CF module (N57)	23 ⇒ 33.0. (SMS, Repair Instructions, Job Nos. 72-186, 72-188).
No. 32 ³⁾ Right front and right rear ⁴⁾ side window does not open (4mm), when opening the right front door.	Right front rotary tumbler microswitch (S87s2) Window not calibrated to base position CF module (N57)	23 ⇒ 34.0. (SMS, Repair Instructions, Job Nos. 72-186, 72-188).
No. 33 ³⁾ Left front and left rear ⁴⁾ side window does not close (4mm), when closing the left front door.	Left front rotary tumbler microswitch (S86s2) Window not calibrated to base position CF module (N57)	23 ⇒ 33.0. (SMS, Repair Instructions, Job Nos. 72-186, 72-188).
No. 34 ³⁾ Right front and right rear ⁴⁾ side window does not close (4mm), when closing the right front door.	Right front rotary tumbler microswitch (S87s2) Window not calibrated to base position CF module (N57)	23 ⇒ 33.0. (SMS, Repair Instructions, Job Nos. 72-186, 72-188).

1) Observe Preparation for Test, see 22.

3) Coupé only

4) Coupé only, as of chassis end number 1A-139150

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<p>No. 35 Safety circuit activates for no apparent reason (window stops and reverses 2 inches, after pressing one-touch closing).</p>	<p>Window improperly calibrated to base position Mechanical interference as window raises Front and rear windows adjusted incorrectly</p>	<p>(SMS, Repair Instructions, Job Nos. 72-185, 72-186, 72-195, 72-196). Identify and eliminate mechanical interference (see Diagnostic Directory, topic no. 72A91121).</p>
<p>No. 36 One or all side windows lose base calibration. ¹⁾</p>	<p>Voltage supply circuit 30E (low voltage) Left front power window motor (M10/3) circuit Right front power window motor (M10/4) circuit Left rear power window motor (M10/5) circuit Right rear power window motor (M10/6) circuit CF module (N57)</p>	<p>23 ⇒ 3.0. 23 ⇒ 29.0. 23 ⇒ 30.0. 23 ⇒ 31.0. 23 ⇒ 32.0.</p>
<p>No. 37 ⁴⁾ Left rear side window does not open (4 mm) or close, when opening or closing the left front side window.</p>	<p>Window not calibrated to base position CF module (N57)</p>	<p>(SMS, Repair Instructions, Job No. 72-188).</p>
<p>No. 38 ⁴⁾ Right rear side window does not open (4 mm) or close, when opening or closing the right front side window.</p>	<p>Window not calibrated to base position CF module (N57)</p>	<p>(SMS, Repair Instructions, Job No. 72-188).</p>

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⁴⁾ Coupé only, as of chassis end number 1A-139150