

Diagnosis - Diagnostic Trouble Code (DTC) Memory

Preparation for Test:

- Check fuse F4-11.
- Check fuse F3-35.
- Connect impulse counter scan tool or Hand-Held Tester (HHT) to 38-pole data link connector (X11/4) according to connection diagram shown in section 0.

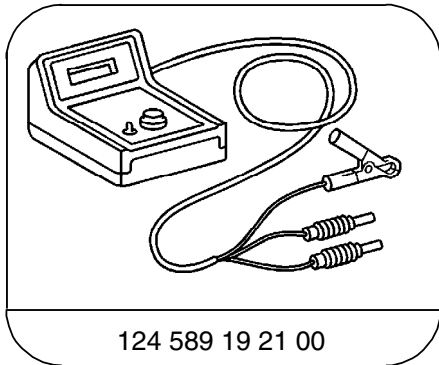
Note:

Connect yellow wire of impulse counter scan tool to socket 31.

Electrical wiring diagrams

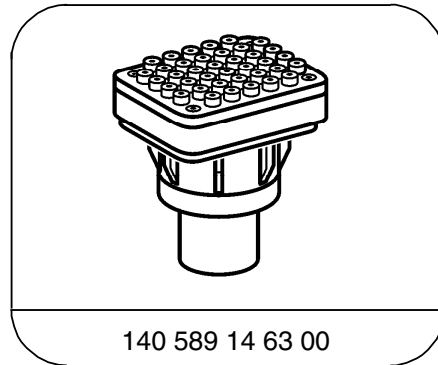
See Electrical Troubleshooting Manual, Model 140, Volume 2.

Special Tools



124 589 19 21 00


Pulse counter



140 589 14 63 00


Adapter

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Diagnostic trouble code (DTC) 	Possible cause	Test step/Remedy ¹⁾
1 001	No malfunction in memory.	—
2 002	Closing circuit for left front power window motor (M10/3), control module (N57).	23 ⇒ 1.0, 29
3 003	Opening circuit for left front power window motor (M10/3), control module (N57).	23 ⇒ 1.0, 29
4 004	Closing circuit for right front power window motor (M10/4), control module (N57).	23 ⇒ 2.0, 30
5 005	Opening circuit for right front power window motor (M10/4), control module (N57).	23 ⇒ 2.0, 30
6 006	Closing circuit for left rear power window motor (M10/5), control module (N57).	23 ⇒ 2.0, 31
7 007	Opening circuit for left rear power window motor (M10/5), control module (N57).	23 ⇒ 2.0, 31
8 008	Closing circuit for right rear power window motor (M10/6), control module (N57).	23 ⇒ 1.0, 32
9 009	Opening circuit for right rear power window motor (M10/6), control module (N57).	23 ⇒ 1.0, 32
10 010	Switch for left front power window (S21/1): closing time exceeded.	23 ⇒ 11.0, 13.0
11 011	Switch for left front power window (S21/1): opening time exceeded.	23 ⇒ 10.0, 12.0
12 012	Switch for right front power window (S21/2): closing time exceeded.	23 ⇒ 15.0, 17.0



¹⁾ Observe Preparation for Test, see 22.

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Diagnostic trouble code (DTC) 	Possible cause	Test step/Remedy ¹⁾
13 013	Switch for right front power window (S21/2): opening time exceeded.	23 ⇒ 14.0, 16.0
14 014	Left rear power window circuit (S21/3) and left rear power window switch, front console (S21/5): closing time exceeded.	23 ⇒ 19.0, 21.0
15 015	Left rear power window circuit (S21/3) and left rear power window switch, front console (S21/5): opening time exceeded.	23 ⇒ 18.0, 22.0
16 016	Right rear window circuit (S21/4) and right rear power window switch, front console (S21/6): closing time exceeded.	23 ⇒ 23.0, 25.0
17 017	Right rear window circuit (S21/4) and right rear power window switch, front console (S21/6): opening time exceeded.	23 ⇒ 22.0, 24.0
18 018	Circuit for left front (S86/1), right front (S87/1), trunk lid (S88/2) lock switch: closing time exceeded (lock switch circuit 2).	23 ⇒ 27.0
19 019	Circuit for left front (S86/1), right front (S87/1), trunk lid (S88/2) lock switch : opening time exceeded (lock switch circuit 1).	23 ⇒ 27.0
20 020	Left front power window switch (S21/1): short to ground or wiring.	23 ⇒ 10.0 – 13.0
21 021	Right front power window switch (S21/2): short to ground or wiring.	23 ⇒ 14.0 – 17.0
22 022	Left rear window circuit (S21/3) and left rear power window switch, front console (S21/5): short to ground or wiring.	23 ⇒ 18.0 – 21.0
23 023	Right rear window circuit (S21/4) and right rear power window switch, front console (S21/6): short to ground or wiring.	23 ⇒ 22.0 – 25.0

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Diagnostic trouble code (DTC)  	Possible cause	Test step/Remedy ¹⁾
24 024	Left front power window motor circuit (M10/3): speed sensor or wiring	23 ⇒ 29.0
25 025	Right front power window motor circuit (M10/4): speed sensor or wiring.	23 ⇒ 30.0
26 026	Left rear power window motor circuit (M10/5): speed sensor or wiring.	23 ⇒ 31.0
27 027	Right rear power window motor circuit (M10/6): speed sensor or wiring.	23 ⇒ 32.0
28 028	Left front power window motor circuit (M10/3): sensor wiring reversed.	–
29 029	Right front power window motor circuit (M10/4): sensor wiring reversed.	–
30 030	Left rear power window motor circuit (M10/5): sensor wiring reversed.	–
31 031	Right rear power window motor circuit (M10/6): sensor wiring reversed.	–
32 032	Left front power window motor circuit (M10/3): speed sensor signal defective.	23 ⇒ 29.0
33 033	Right front power window motor circuit (M10/4): speed sensor signal defective.	23 ⇒ 30.0
34 034	Left rear power window motor circuit (M10/5): speed sensor signal defective.	23 ⇒ 31.0
35 035	Right rear power window motor circuit (M10/6): speed sensor signal defective.	23 ⇒ 32.0
36 036	Control module (N57) defective.	–
37 037	Low voltage (<9 V) (circuit 30E, fuse F4-11).	23 ⇒ 3.0
38 038	Sliding/pop-up roof switch circuit (S13/2): short, check wiring harness.	23 ⇒ 6.0 – 9.0
39 039	Voltage supply circuit 30A, control module (N57).	23 ⇒ 1.0
40 040	Voltage supply circuit 30B, control module (N57).	23 ⇒ 2.0

¹⁾ Observe Preparation for Test, see 22.