

2012 - Mazda6 - Body and Accessories

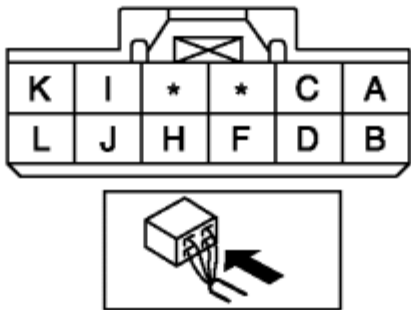
POWER WINDOW SUBSWITCH INSPECTION

Passenger-side

With auto-open/ close function

- 1. Disconnect the negative battery cable.
- 2. Remove the inner garnish. (See [INNER GARNISH REMOVAL/ INSTALLATION.](#))
- 3. Remove the front door trim. (See [FRONT DOOR TRIM REMOVAL/ INSTALLATION.](#))
- 4. Connect the negative battery cable.
- 5. Measure the voltage at each terminal.
 - If the voltage is not as specified in the Terminal Voltage Table, inspect the parts under "Inspection item(s)" and related wiring harnesses.

POWER WINDOW SUBSWITCH
HARNESS-SIDE CONNECTOR



- If the system does not work properly even though the inspection items or related wiring harnesses do not have any malfunction, replace the power window subswitch. (See [POWER WINDOW SUBSWITCH REMOVAL/ INSTALLATION.](#))

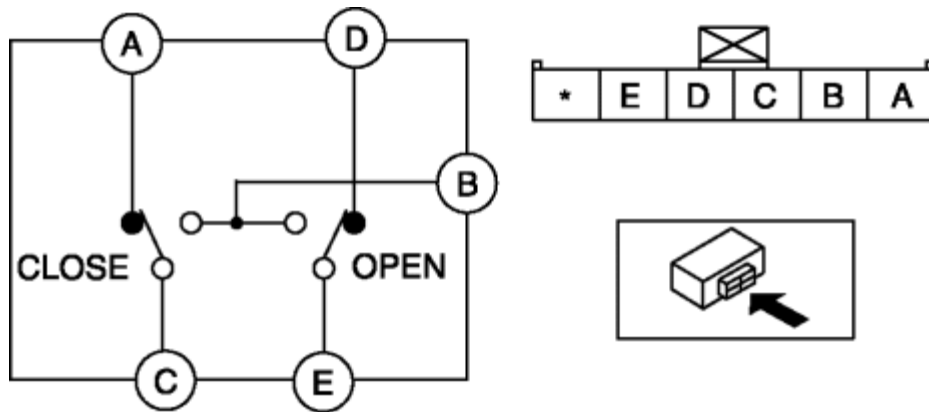
Terminal	Signal name	Connected to	Measured condition	Voltage (V)	Inspection item (s)
					• Power window main

A	Power-cut signal	Power window main switch	Switch the ignition ON and power-cut switch at UNLOCK	B+	- switch - Related wiring harness
B	Window open signal	Power window motor	Door glass opening	B+	- Power window motor - Related wiring harnesses
			Other	1.0 or less	
C	Pulse 1	Power window motor	Door glass is not in motion	1.0 or 5.0	- Power window motor - Related wiring harnesses
			Door glass is in motion	Alternates between 1.0 and 5.0	
D	Power supply	P.WIND(D) 30 A fuse	Under any condition	B+	- P.WIND(D) 30 A fuse - Related wiring harnesses
F	Pulse 2	Power window motor	Door glass is in motion	Alternates between 1.0 and 5.0	- Power window motor - Related wiring harnesses
			Door glass is not in motion	1.0 or 5.0	
H	GND	Body ground	Under any condition	1.0 or less	GND
I	Sensor ground	Power window motor	Under any condition	1.0 or less	- Power window motor - Related wiring harnesses
J	Window close signal	Power window motor	Door glass closing	B+	- Power window motor - Related wiring harnesses
			Other	1.0 or less	

K	Power supply	Power window motor	Switch the ignition ON	B+	- Power window motor - Related wiring harnesses
L	Communication	Power window main switch	Terminal used for communication therefore determination based on terminal voltage inspection not possible.		

Without auto-open/ close function

1. Disconnect the negative battery cable.
2. Remove the inner garnish. (See [INNER GARNISH REMOVAL/ INSTALLATION.](#))
3. Remove the front door trim. (See [FRONT DOOR TRIM REMOVAL/ INSTALLATION.](#))
4. Verify that the continuity is as indicated in the table using a tester.



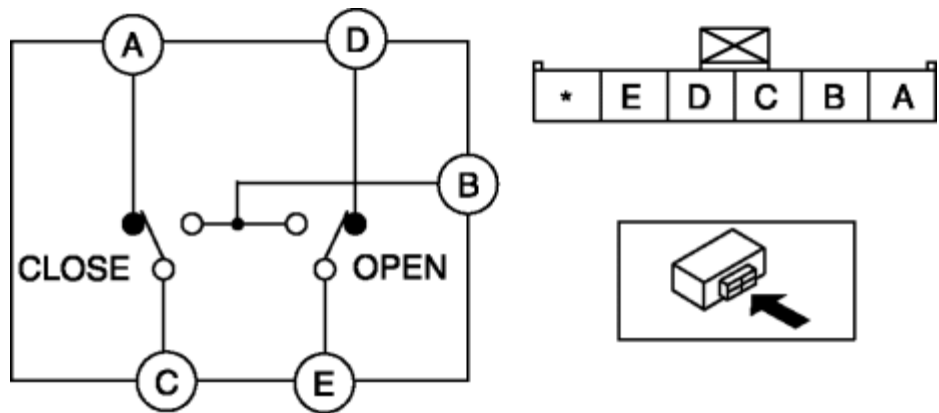
- If not as indicated in the table, replace the power window subswitch. (See [POWER WINDOW SUBSWITCH REMOVAL/ INSTALLATION.](#))

○—○ : Continuity

Switch position	Terminal				
	B	C	A	D	E
Close	○—○			○—○	
OFF		○—○		○—○	
Open	○—○				○—○

Rear

- 1. Disconnect the negative battery cable.
- 2. Remove the rear door trim. (See [REAR DOOR TRIM REMOVAL/ INSTALLATION.](#))
- 3. Verify that the continuity is as indicated in the table using a tester.



- If not as indicated in the table, replace the power window subswitch. (See [POWER WINDOW SUBSWITCH REMOVAL/ INSTALLATION.](#))

○ — ○ : Continuity

Switch position	Terminal				
	B	C	A	D	E
Close	○ — ○			○ — ○	
OFF		○ — ○		○ — ○	
Open	○ — ○				○ — ○

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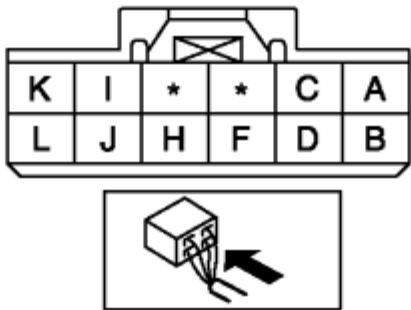
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Passenger-side

With auto-open/ close function

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POWER WINDOW SUBSWITCH HARNESS-SIDE CONNECTOR



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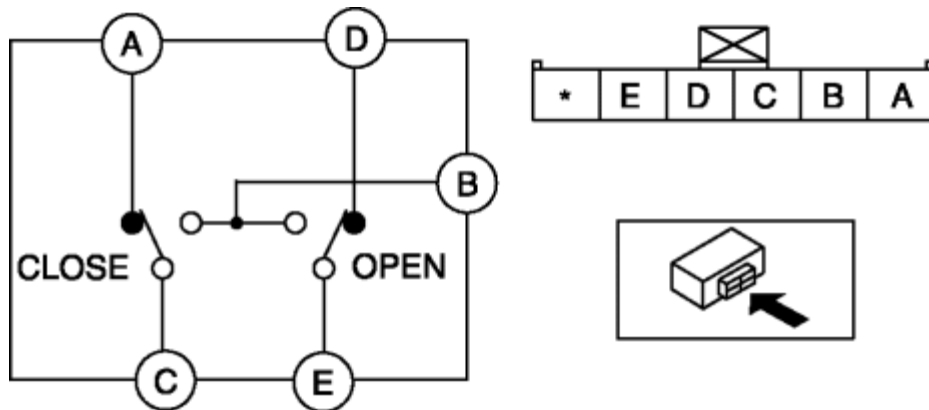
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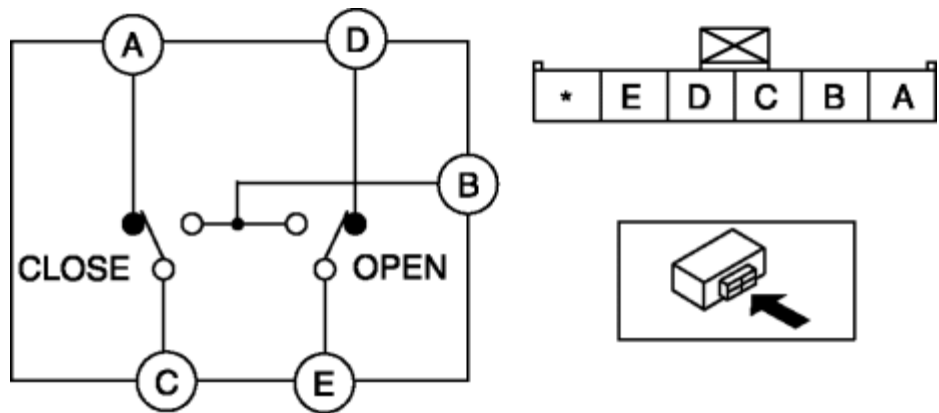
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Close	○—○			○—○	
OFF		○—○		○—○	
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○ — ○ : Continuity

Switch position	Terminal				
	B	C	A	D	E
Close	○ — ○			○ — ○	
OFF		○ — ○		○ — ○	
Open	○ — ○				○ — ○