

2012 - Mazda6 - Body and Accessories

POWER WINDOW SYSTEM PRELIMINARY INSPECTION [POWER WINDOW SYSTEMS (WITHOUT EXTERIOR OPEN FUNCTION)]

Manual Open/ close Function Inspection

STEP	INSPECTION	ACTION	
1	- Switch the ignition to on. - Operate the power window using the manual open/close function on the power window main switch. - Does the power window operate properly?	Yes	Go to the next step.
		No	- Inspect the power window main switch and the wiring harness. - Repair or replace malfunctioning parts.
2	- Set the power cut switch to the UNLOCK position. - Operate the power window using the power window subswitch. - Does the power window operate properly?	Yes	Go to the next step.
		No	- Inspect the power window subswitch and the wiring harness. - Repair or replace malfunctioning parts.
3	- Set the power cut switch to the LOCK position. - Operate all power windows other than the driver side. - Does the power window operate properly?	Yes	- Inspect the power cut switch and the wiring harness. - Replace the power window main switch.
		No	- Manual open/close function is normal. - Perform the auto open/close function inspection.

Auto Open/ close Function (Driver's Side) Inspection

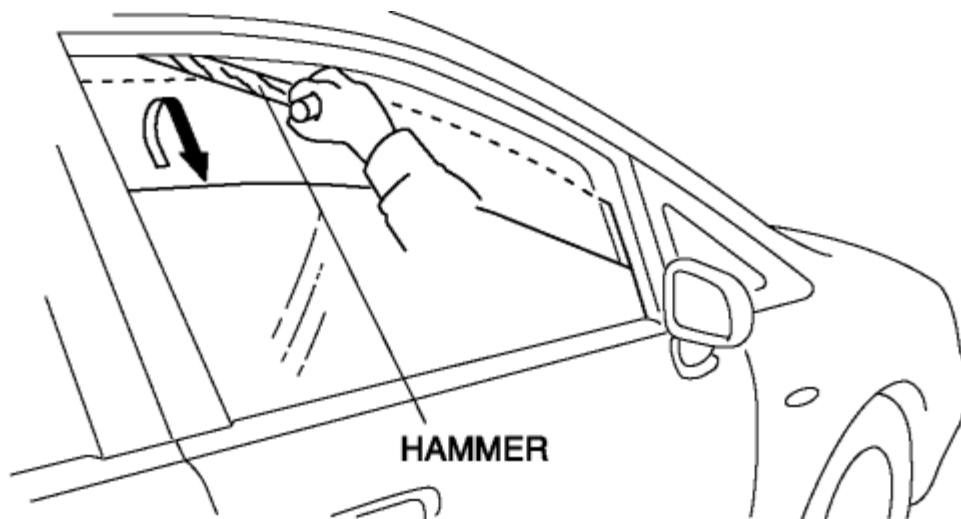
STEP	INSPECTION	ACTION	
1	- Switch the ignition to on. - Operate the power window using the auto open /close function on the power window main switch. - Does the power window operate properly?	Yes	Go to the next step.
		No	If the power window automatically opens during the closing operation: - Go to No.6 DOOR GLASS REVERSES EVEN THOUGH THE GLASS DOES NOT ENCOUNTER A FOREIGN OBJECT WHILE IT IS MOVING UP IN AUTOMATIC MODE [POWER WINDOW SYSTEMS (WITHOUT EXTERIOR OPEN FUNCTION)]. Others: - Go to No.1 THE AUTO OPEN/ CLOSE FUNCTION ON THE DRIVER'S SIDE POWER WINDOW IS INOPERATIVE [POWER WINDOW SYSTEMS (WITHOUT EXTERIOR OPEN FUNCTION)].
2	- Operate the power window main switch to the close position while the power window is opening. - Does the power window operation stop?	Yes	Go to the next step.
		No	Replace the power window main switch (power window control unit is malfunctioning.)
3	- Operate the power window main switch to the open position while the power window is closing. - Does the power window operation stop?	Yes	- Auto open/close function is normal. - Perform the IG-OFF timer function inspection.
		No	Replace the power window main switch (power window control unit is malfunctioning.)

IG-OFF Timer Function Inspection

STEP	INSPECTION	ACTION	
1	• Close all doors. • Switch the ignition to on. • Operate the power window main switch within 43 seconds after turning the ignition switch to the LOCK position. • Does the power window operate?	Yes	Go to the next step.
		No	• Inspect the door switches and related wiring harness. • If above parts are okay, replace the power window main switch, then go to the next step. • If above parts are incorrect repair or replace malfunction part(s), then go to the next step.
2	• Open any door. • Switch the ignition to on. • Operate the power window main switch within 43 seconds after turning the ignition switch to the LOCK position. • Does the power window operate?	Yes	• Inspect the door switches and related wiring harness. • If above parts are okay, replace the power window main switch, then go to the next step. • If above parts are incorrect repair or replace malfunction part(s), then go to the next step.
		No	• Go to the next step.
3	• Close all doors. • Switch the ignition to on. • Operate the power window main switch within 60 seconds after turning the ignition switch to the LOCK position. • Does the power window operate?	Yes	• Replace the power window main switch (power window control unit is malfunctioning.)
		No	• IG-OFF timer function operation is normal. • Perform the auto reverse pinch protection function inspection.

Auto Reverse Pinch Protection Function Inspection

STEP	INSPECTION		ACTION
1	- Switch the ignition to on. - Fully open the driver's side power window. - Set the hammer (thickness: 10 mm { 0.39 in} or more) as shown below. Then, close the power window. - Verify that the power window opens 200 mm after contacting the hammer and the operation stops. - Does auto reverse pinch protection function operate properly?	Yes	- Auto reverse pinch protection function is normal. - Perform the two-step down function inspection.
		No	Go to the next step.
2	Does power window open before contacting the hammer?	Yes	Go to No.6 DOOR GLASS REVERSES EVEN THOUGH THE GLASS DOES NOT ENCOUNTER A FOREIGN OBJECT WHILE IT IS MOVING UP IN AUTOMATIC MODE [POWER WINDOW SYSTEMS (WITHOUT EXTERIOR OPEN FUNCTION)].
		No	- Initialize the power window main switch. NOTE: - Before initializing the power window main switch, cut off the power supply to the power window main switch for 60 seconds. Then, reconnect it again after 60 seconds: - Disconnect the negative battery cable. - Disconnect the power window main switch connector. - Remove the fuse for the power window system.



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POWER WINDOW SYSTEM PRELIMINARY INSPECTION [POWER WINDOW SYSTEMS (WITHOUT EXTERIOR OPEN FUNCTION)]

Manual Open/ close Function Inspection

STEP	INSPECTION	ACTION	
1	- Switch the ignition to on. - Operate the power window using the manual open/close function on the power window main switch. - Does the power window operate properly?	Yes	Go to the next step.
		No	- Inspect the power window main switch and the wiring harness. - Repair or replace malfunctioning parts.
2	- Set the power cut switch to the UNLOCK position. - Operate the power window using the power window subswitch. - Does the power window operate properly?	Yes	Go to the next step.
		No	- Inspect the power window subswitch and the wiring harness. - Repair or replace malfunctioning parts.
3	- Set the power cut switch to the LOCK position. - Operate all power windows other than the driver side. - Does the power window operate properly?	Yes	- Inspect the power cut switch and the wiring harness. - Replace the power window main switch.
		No	- Manual open/close function is normal. - Perform the auto open/close function inspection.

Auto Open/ close Function (Driver's Side) Inspection

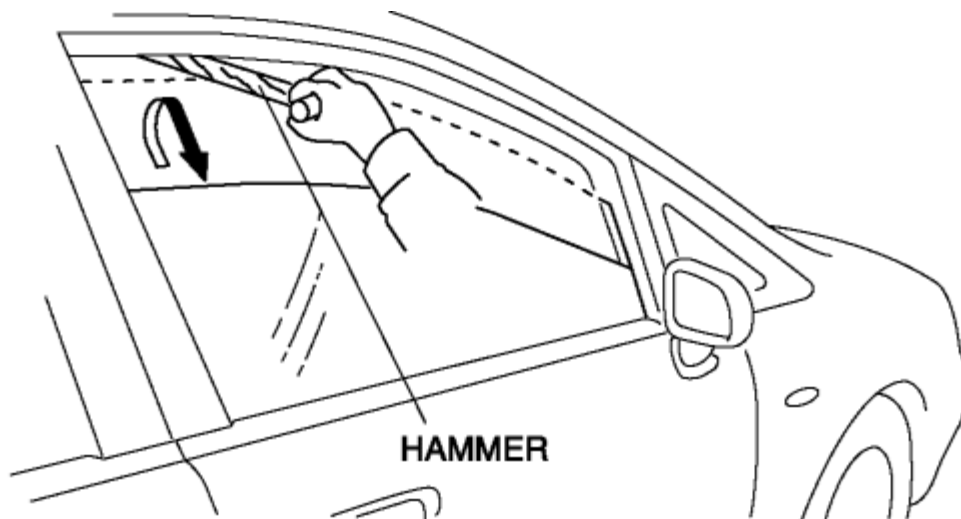
STEP	INSPECTION	ACTION	
1	- Switch the ignition to on. - Operate the power window using the auto open /close function on the power window main switch. - Does the power window operate properly?	Yes	Go to the next step.
		No	If the power window automatically opens during the closing operation: - Go to No.6 DOOR GLASS REVERSES EVEN THOUGH THE GLASS DOES NOT ENCOUNTER A FOREIGN OBJECT WHILE IT IS MOVING UP IN AUTOMATIC MODE [POWER WINDOW SYSTEMS (WITHOUT EXTERIOR OPEN FUNCTION)]. Others: - Go to No.1 THE AUTO OPEN/ CLOSE FUNCTION ON THE DRIVER'S SIDE POWER WINDOW IS INOPERATIVE [POWER WINDOW SYSTEMS (WITHOUT EXTERIOR OPEN FUNCTION)].
2	- Operate the power window main switch to the close position while the power window is opening. - Does the power window operation stop?	Yes	Go to the next step.
		No	Replace the power window main switch (power window control unit is malfunctioning.)
3	- Operate the power window main switch to the open position while the power window is closing. - Does the power window operation stop?	Yes	- Auto open/close function is normal. - Perform the IG-OFF timer function inspection.
		No	Replace the power window main switch (power window control unit is malfunctioning.)

IG-OFF Timer Function Inspection

STEP	INSPECTION	ACTION	
1	• Close all doors. • Switch the ignition to on. • Operate the power window main switch within 43 seconds after turning the ignition switch to the LOCK position. • Does the power window operate?	Yes	Go to the next step.
		No	• Inspect the door switches and related wiring harness. • If above parts are okay, replace the power window main switch, then go to the next step. • If above parts are incorrect repair or replace malfunction part(s), then go to the next step.
2	• Open any door. • Switch the ignition to on. • Operate the power window main switch within 43 seconds after turning the ignition switch to the LOCK position. • Does the power window operate?	Yes	• Inspect the door switches and related wiring harness. • If above parts are okay, replace the power window main switch, then go to the next step. • If above parts are incorrect repair or replace malfunction part(s), then go to the next step.
		No	• Go to the next step.
3	• Close all doors. • Switch the ignition to on. • Operate the power window main switch within 60 seconds after turning the ignition switch to the LOCK position. • Does the power window operate?	Yes	• Replace the power window main switch (power window control unit is malfunctioning.)
		No	• IG-OFF timer function operation is normal. • Perform the auto reverse pinch protection function inspection.

Auto Reverse Pinch Protection Function Inspection

STEP	INSPECTION		ACTION
1	- Switch the ignition to on. - Fully open the driver's side power window. - Set the hammer (thickness: 10 mm { 0.39 in} or more) as shown below. Then, close the power window. - Verify that the power window opens 200 mm after contacting the hammer and the operation stops. - Does auto reverse pinch protection function operate properly?	Yes	- Auto reverse pinch protection function is normal. - Perform the two-step down function inspection.
		No	Go to the next step.
2	Does power window open before contacting the hammer?	Yes	Go to No.6 DOOR GLASS REVERSES EVEN THOUGH THE GLASS DOES NOT ENCOUNTER A FOREIGN OBJECT WHILE IT IS MOVING UP IN AUTOMATIC MODE [POWER WINDOW SYSTEMS (WITHOUT EXTERIOR OPEN FUNCTION)].
		No	- Initialize the power window main switch. NOTE: - Before initializing the power window main switch, cut off the power supply to the power window main switch for 60 seconds. Then, reconnect it again after 60 seconds: - Disconnect the negative battery cable. - Disconnect the power window main switch connector. - Remove the fuse for the power window system.



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