
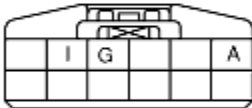




NO. 3 DOOR GLASS REVERSES EVEN THOUGH THE GLASS DOES NOT ENCOUNTER A FOREIGN OBJECT WHILE IT IS MOVING UP IN AUTOMATIC MODE

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Note

- Perform the following inspection for the power window system component parts of windows where the door glass reverses even though the glass does not encounter a foreign object while it is moving up in automatic mode.

3	Door glass reverses even though the glass does not encounter a foreign object while it is moving up in automatic mode.
POSSIBLE CAUSE	<ul style="list-style-type: none"> • Too much door glass friction resistance: Steps 1-5 • Short to ground in sensor 1 signal from wiring harness (between power window switch and power window motor), inner power window motor, or inner power window switch: Steps 6, 7
<div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p>POWER WINDOW MAIN SWITCH WIRING HARNESS-SIDE CONNECTOR</p>  </div> <div style="text-align: center;"> <p>POWER WINDOW SUBSWITCH WIRING HARNESS-SIDE CONNECTOR</p>  </div> <div style="text-align: center;"> <p>POWER WINDOW MOTOR WIRING HARNESS-SIDE CONNECTOR</p>  </div> </div> <div style="text-align: center; margin-top: 20px;">  </div>	

Diagnostic procedure

STEP	INSPECTION	ACTION
1	INSPECT FOR FOREIGN OBJECT ON DOOR GLASS <ul style="list-style-type: none"> • Is there a foreign object on the door glass? 	Yes Remove the object.
		No Go to the next step.
2	INSPECT ACRYLIC VISOR BRACKET INSTALLATION <ul style="list-style-type: none"> • Is the acrylic visor bracket properly installed? 	Yes Go to the next step.
		No Reinstall the acrylic visor bracket properly.
3	INSPECT IF GLASS RUN CHANNEL INTERFERES WITH DOOR GLASS <ul style="list-style-type: none"> • Remove the door trim. • Does the glass run channel interfere with the door glass? 	Yes Repair or replace the glass run channel, then go to Step 8.
		No Go to the next step.
4	INSPECT LUBRICANT ON DRIVER-SIDE CARRIER PLATE <ul style="list-style-type: none"> • Is there lubricant on the driver-side carrier plate? 	Yes Go to the next step.
		No Apply lubricant (mineral oil).
5	INSPECT INSTALLATION OF POWER WINDOW SYSTEM COMPONENTS <ul style="list-style-type: none"> • Are the following parts properly installed? - Door glass - Driver-side power window motor wire - Driver-side power window motor 	Yes Go to the next step.
		No Reinstall the part properly, then go to

	<ul style="list-style-type: none"> - Driver-side power window regulator frame - Driver-side carrier plate - Driver-side glass run channel 		Step 8.
6	VERIFY POSITION SENSOR 1, 2 OUTPUT SIGNAL <ul style="list-style-type: none"> • Turn the ignition switch to the ON position. • Inspect the voltage at power window motor terminal A and B (sensor 1, 2 signal). • Does the voltage alternate between 0 V and approx. 12 V when the door glass is moving up and down in manual mode? 	Yes	Go to the next step.
		No	Replace the power window motor, then go to Step 8.
7	VERIFY WHETHER MALFUNCTION IS IN WIRING HARNESS (BETWEEN POWER WINDOW SWITCH AND POWER WINDOW MOTOR) OR POWER WINDOW SWITCH <ul style="list-style-type: none"> • Turn the ignition switch to the LOCK position. • Disconnect the power window switch. • Is there continuity between the power window switch terminal (sensor 1,2 signal) and ground? <ul style="list-style-type: none"> - Driver's side: E and G - Except driver's side: A and E 	Yes	Repair the wiring harness between the power window switch and power window motor, then go to the next step.
		No	Replace the power window switch (short to ground in power window switch), then go to the next step.
8	REINSPECT MALFUNCTION SYMPTOM AFTER REPAIR <ul style="list-style-type: none"> • Did malfunction disappear? 	Yes	<ul style="list-style-type: none"> • Troubleshooting completed. • Explain repairs to the customer.
		No	Reinspect malfunction symptoms, then repeat from Step 1 if malfunction recurs.