

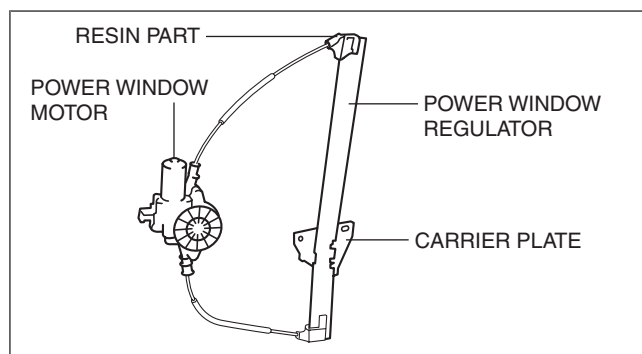
ABNORMAL NOISE WHILE THE DOOR GLASS IS OPENING OR CLOSING [POWER WINDOW SYSTEMS (WITH AUTO-OPEN/CLOSE FUNCTION FOR ALL WINDOWS)] [POWER WINDOW SYSTEMS (AUTO-OPEN/CLOSE FUNCTION)]

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4	Abnormal noise while the door glass is opening or closing
POSSIBLE CAUSE	<ul style="list-style-type: none"> • Installation screw is loose between the door glass and carrier plate. • Deformity in the power window regulator plastic part due to use. <ul style="list-style-type: none"> — Scratching, wear marks to the power window regulator resin part due to twisting of the cable. — Gear deformity in the power window motor. <p>Note</p> <ul style="list-style-type: none"> • Identify the location of the noise using a stethoscope or similar device.

Diagnostic procedure

Noise type	Time of occurrence	Possible cause	Location of noise	Action
Clanking noise	Door glass begins to move	Insufficiently tightened installation screw between the door glass and carrier plate.	Between door glass lower edge and carrier plate.	Securely tighten the installation screw.
Groaning noise (Sound increases due to use)	While door glass is operating	Vibration caused by wear on the resin part from cable twisting due to use of the power window regulator. Note <ul style="list-style-type: none"> • Noise does not occur if a roller is equipped to power window regulator resin part. 	Power window regulator	Replace the power window regulator (See FRONT POWER WINDOW REGULATOR REMOVAL/ INSTALLATION.) (See REAR POWER WINDOW REGULATOR REMOVAL/ INSTALLATION.)
Whining noise Clicking noise (Periodic noise)		Gear inside power window motor is deformed due to use.	Gear in power window motor	Replace the power window motor (See POWER WINDOW MOTOR REMOVAL/ INSTALLATION.)



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