

Squeaks and Rattles

Diagnostic Information and Procedures

Squeaks and Rattles

1. Squeaks and rattles are caused by improperly controlled relative motion between vehicle components. There are three ways to prevent squeaks and rattles. To aid in diagnosing use a mechanic's stethoscope.

Attach the component that squeaks or rattles securely.

2. Separate the components that squeak or rattle to prevent contact.
3. Insulate the components that squeak or rattle.
4. Insulate low uniform friction surfaces to eliminate stickslip motion.

Diagnostic Information and Procedures

Interior Trim - Itching Noise

Cause	Correction
The trim panel contacts the window.	<ol style="list-style-type: none"> 1. Remove the door trim panel. 2. Remove the garnish molding. 3. Trim 2–3 mm (0.08–0.12 in) from the garnish molding for clearance. 4. Reinstall the garnish molding.
The door lock pillar molding rubs on the door trim panel.	Apply low friction tape (Jinbei GM P/N 22586239) to the door lock pillar molding.

Diagnostic Information and Procedures

Inner Door Panel Rattles

Cause	Correction
The inner door panel rattles.	Shim the inner and the outer door panels with foam tape in the center of the door.
The stepwell tread pad is rubbing against the bottom of the door.	Refit the stepwell lip.

Diagnostic Information and Procedures

Rattle Noise at Latch

Cause	Correction
Misalignment of striker to latch.	<ol style="list-style-type: none"> 1. Look for witness marks on the locking cam. 2. Remove/install washers to the striker. 3. Align the striker to latch.

Diagnostic Information and Procedures

Rattle Noise Around Window

Cause	Correction
The rear edge of the window garnish molding rattles.	Insulate the inside of the window garnish molding with foam tape.

Description and Operation

Noise Description

Many different words can be used to describe a noise. The noise description table lists noises and their description as used in the book.

Bang: Wooden screen door slamming

Buzz: A flying bumblebee

Chatter: Windshield wiper on a dry windshield

Chirp: A bird, or a cricket

Clunk: A heavy door closing

Creak: Rusty door hinge opening

Hoot: Owl like low whistle; air blowing over neck of a bottle

Itch: Two surfaces rubbing together under light contact

Jingle: Metal keys on key ring lightly touching

Knock: Heavy loud repeating sound like a knock on a door

Pop: Removing a cork from a bottle

Rapping: Quick light sound like someone rapping on a door

Rattle: Baby's rattle; stone bouncing around in a plastic container

Rolling: Marble rolling across a table

Rustle: Autumn leaves in the wind; sound of rushing water

Slap: Quick sharp blow with an open hand

Squeak: Tennis shoes on a wooden floor

Thump: A deep muffled knock such as a wooden bat hitting a tire

Ticking: Clock; tapping pencil lead on a table