

Brake Noise

It is important to realize that some brake noises are normal (for example: early morning squeal). Other noises and brake roughness are abnormal and are cause for concern (for example: metal to metal grinding). These abnormal noises and brake roughness need to be serviced.

Normal Noise

During normal operation, brake systems may emit an intermittent squeal or groan noise **when the brakes are applied**. For example, normal noises typically occur during the first few brake applications **in the morning** or while braking in reverse; however, they may be heard at any time while braking. These noises are **aggravated** by conditions such as cold, heat, moisture, road dust, salt or mud.

The following noises do not indicate a need for service:

- Clicking noise during ABS stops.
 - Noise from the hydraulic pump motor and valves heard while braking during emergency conditions is normal and indicates proper functioning of the vehicle's ABS. This may occur **when stopping**:
- On loose gravel.
- When the tires are unloaded (such as when driving over rail road tracks).
- On uneven road surfaces.
- On wet or snowy surfaces.
- Morning Squeal.
 - Does not affect brake performance or safety.
 - Caused by humidity and low rotor and pad temperatures.
 - Once the brakes are applied and the rotor and pad warm-up, the noise should go away.
 - Cannot duplicate the condition after the vehicle is driven to the dealership or after the brakes are warm.
- Groan when creeping.
 - Inspect the pads for wear.
 - Does not affect brake performance or safety if the pads are not worn out.
 - May occur if vehicle is stopped and driver slowly releases the brake pedal allowing the vehicle to creep.
- Wire brush noise.
 - Occurs with light braking during early mileage driving.
 - Caused by new rotors and linings before the friction surfaces are "broken in."
 - The noise will go away in approximately 100 stops as the friction surfaces are "broken in."