



# Service Bulletin

File in Section: -

Bulletin No.: PIC5590A

Date: April, 2013

## PRELIMINARY INFORMATION

**Subject:** Normal Characteristic - Front Or Rear Brake Noise On Slow Stops

**Models:** 2010 - 2014 Chevrolet Camaro SS  
Equipped with Brembo Brakes

The following diagnosis might be helpful if the vehicle exhibits the symptom(s) described in this PI.

### Condition/Concern

Some customers may comment that when they apply the brakes, the vehicle exhibits a squeal noise. This squeal noise may be heard coming from the front or rear brakes and typically heard during slow stops. Replacing the pads will only correct the concern for a short time until the pads glaze over again. Burnishing the pads will also provide temporary relief. Pad replacement should only occur when normal wear conditions or physical damage require it. Do not replace the pads for noise only concerns.

### Recommendation/Instructions

**Note:** For all brake noise issues refer to the latest version of 00-05-22-002: Disc Brake Warranty Service and Procedures.

**Note:** Reference the latest version of 10-05-23-002 for 2010 models that meet the list of applicable models/ breakpoints within that document.

#### Brake Noise

Some brake noise is normal and differences in loading, type of driving, or driving style can make a difference in brake wear on the same make and model. Depending on weather conditions, driving patterns and the local environment, brake noise may become more or less apparent. Verify all metal-to-metal contact areas between pads, pad guides, caliper and knuckles are clean. Brake noise is caused by a "slip-stick" vibration of brake components. While intermittent brake noise may be normal, performing 3 to 4 aggressive stops may temporarily reduce or eliminate most brake squeal.

The following noises are characteristics of all braking systems and are unavoidable. They may not indicate improper operation of the brake system.

#### Squeak/Squeal Noise:

- Occurs with front semi-metallic brake pads at medium speeds when light to medium pressure is applied to the brake pedal.
- Occasionally a noise may occur on rear brakes during the first few stops or with cold brakes and/or high humidity.

#### Grinding Noise:

- Common to rear brakes and some front disc brakes during initial stops after the vehicle has been parked overnight.
- Caused by corrosion on the metal surfaces during vehicle non-use. Usually disappears after a few stops.

#### Groan Noise:

- A groan type noise may be heard when stopping quickly or moving forward slowly from a complete stop. This is normal. On vehicles equipped with ABS, a groan or moan type noise during hard braking applications or loose gravel, wet or icy road conditions is a normal function of the ABS activation.

### Customer Information

Please communicate to the customer that these conditions are normal operating characteristics of their vehicle. They will not impact the designed performance or reliability of the vehicle. Please share this information with the customer, including a copy of this message.

Please follow this diagnostic or repair process thoroughly and complete each step. If the condition exhibited is resolved without completing every step, the remaining steps do not need to be performed.