



Ferrari North America

Technical Information

Date: July 2019
Bulletin #: FNA 163
Campaign #:
Supersedes:
Section:

Subject: Carbon ceramic (CCM) brakes

The Ferrari high performance CCM braking system has been designed to help ensure the highest possible level of safety when braking.

When braking, the braking system may produce a noise (brake squeal), which intensity may vary depending on the speed, braking force and environmental conditions. (e.g., temperature, humidity). The noise is also due to the braking materials vibrating at their natural frequencies. When these components are assembled, the frequencies become much more complex and are referred to as coupled frequencies.

The noise can also occur during the Ferrari brake prefill application when releasing the accelerator pedal as well as at very low speeds. Braking functionality is not affected by such noise, which is considered a normal condition of CCM brake operation

It is important to understand the proper usage and functionality of the CCM braking system and to properly communicate this information to the customer.

Thank you for your attention.