

THE EVOLUTION OF STATE-OF-THE-ART.



BMW 507 ■ 1956–1959
Drum brake stopping distance: approx. 193 ft.*



BMW M1 ■ 1978–1981
Disc brake stopping distance: approx. 134 ft.*



BMW 8 ■ 2019
Disc brake stopping distance: approx. 100 ft.*

*From 60 to 0 MPH.

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BRK300M

BMW BRAKE SYSTEMS: HIGH PERFORMANCE STOPPING POWER.



BMW USA
bmwusa.com



STOPPING STARTS HERE.

- Powerful car requires a powerful brake system
- The BMW brake systems are designed to deliver the ultimate brake performance
- We select materials with an emphasis on performance over a wide range of operating conditions

OPTIMAL USAGE AND MAINTENANCE.

To ensure optimum brake performance, please consider following guidelines:

BREAK-IN PHASE.

- When the brake discs and pads are new, their contacting surfaces need some mileage in order to adapt to each other. This adaptation phase is called “break-in” phase
- The length of the “break-in” phase is strongly dependent on traffic conditions and driving style and usually lasts for the first 300-400 miles
- During the “break-in” phase the brakes should be applied rather gently in order to ease the matching process. Make sure that this procedure does not endanger other traffic
- The break-in process should be repeated after installing new brake pads.



BRAKE NOISE.

- Some brake noise is normal – especially during the break-in phase. While the noise should lessen after the pads are fully bedded onto the discs, a variety of individual factors will influence the amount of noise including driving style, your local environment and weather conditions
- Noises occurring in specific conditions like extremely low and high ambient temperatures usually disappear by themselves when the conditions change. By contrast, if noises are present in every condition, this likely indicates the need of a repair
- Noise and vibration may occur with increasing age and wear of the brakes. These symptoms can indicate that your vehicle may need brake service

BRAKE DISCS SURFACE APPEARANCE.

- Brake rotors and pads are parts subjected to wear and corrosion and have therefore to be maintained or replaced from time to time
- Driving and parking repeatedly in corrosive environments, such as those with high humidity and salt content, can accelerate the natural disc corrosion process
- Moderate to sporty brake application can remove light surface corrosion. Make sure that this procedure does not endanger other traffic

- After car wash, gently press the brake pedal every few miles. The heat generated during braking dries brake discs and brake pads and protects them against corrosion. Make sure that this procedure does not endanger other traffic

OTHER MAINTENANCE BEST PRACTICES.

- Use acid/alkaline-free wheel cleaners to reduce the risk of corrosion
- Avoid an excessive use of tire shine products, as they might contaminate the brake pad surface
- Avoid pointing high-pressure cleaners directly on brake parts. Using high-pressure cleaners can cause brake components to bind, resulting in brake noises

BRAKE DUST.

- The high friction generated between discs and pads while braking wears the brake discs and pads causing some brake dust
- The latest generation of BMW brake pads are optimized to minimize brake dust. Brake dust can be normally cleaned off easily. Wheel cleaning is recommended on a regular bases

SPORT BRAKES.

- Optional sport brakes are available for a variety of BMW vehicles. In addition to enhanced performance, you may experience more brake dust and, in some cases, slight noises when braking