SBD Carbon Ceramic Brake System (CCM/CCB)

Professional Brake Pad Bedding-in Procedure Guide

IMPORTANT NOTICE

The primary objective of this bedding-in procedure is to establish a uniform friction material transfer layer on the ceramic disc surface and to ensure full physical contact between the pads and rotors.

SAFETY WARNING: This procedure requires high speeds and firm deceleration. It is highly recommended to perform these steps on a closed track or a safe, secured road environment to ensure public safety and adherence to traffic laws.

Phase 1: Initial Seating (Geometric Contact)

Objective: To ensure 100% physical surface contact between the new brake pads and the disc surface without generating excessive heat.

1. Drive the vehicle at a moderate speed **of 50 km/h to 80 km/h (30-50 mph)**.

2. Perform approximately **20 light to moderate brake applications**, decelerating down to approximately 30 km/h (20 mph).

3. Allow roughly 30 seconds between each application to prevent premature heat build-up.

Phase 2: Thermal Bedding (Transfer Layer Creation)

Objective: To generate sufficient thermal energy to transfer pad resin evenly onto the disc surface.

This is the most critical phase.

1. Increase vehicle speed to **120 km/h to 150 km/h (75-90 mph).**

2. Perform **10 to 15 firm deceleration events** using significant pedal pressure (approximately 0.6g – 0.8g deceleration force), slowing down to **50-60 km/h (30-40 mph).**

3. **CRITICAL WARNING**: After each deceleration, immediately release the brake pedal and reaccelerate.

- **DO NOT COME TO A COMPLETE STOP.**
- **DO NOT ACTIVATE ABS.**

4. During this phase, you may notice increased brake bite and smell some resin; this is normal.

Phase 3: Cooling Cycle (Stabilization)

Objective: To allow the brake system components to cool down gradually and evenly, stabilizing the newly formed transfer layer.

1. Immediately after completing Phase 2, continue driving for **5 to 10 minutes** at a moderate cruising speed.

2. Use the brakes as little as possible during this cooling period to allow airflow to cool the rotors naturally.

CRITICAL TECHNICAL WARNINGS

Failure to adhere to these warnings immediately after bedding-in may result in permanent brake judder (vibration).

DANGER / PROHIBITED ACTION	EXPLANATION & CONSEQUENCE
NO STATIC BRAKE HOLDING	When rotors are extremely hot after bedding, **NEVER** keep the brake pedal depressed while stopped. This will cause a concentrated "pad imprint" on the rotor, leading to severe judder.
NO PARKING BRAKE BRAKE	**DO NOT engage the electronic or manual parking brake** until the system has completely cooled down to ambient temperature. Engaging it while hot can damage the rear rotors or fuse the pads to the disc.
ROAD SAFETY ADAPTATION	If forced to perform this on public roads due to lack of track access, prioritize safety. Reduce the speed differential (e.g., 100 km/h down to 70 km/h) and increase the number of repetitions, always ensuring plenty of clear road space behind you.