

Bosch BC508

Bosch QuietCast BC508 Premium Ceramic Disc Brake Pad Set

Model: BC508 | Brand: Bosch

1. INTRODUCTION

This instruction manual provides essential information for the installation, operation, and maintenance of your Bosch QuietCast BC508 Premium Ceramic Disc Brake Pad Set. Designed for superior performance and quiet operation, these brake pads are engineered to meet original equipment (OE) standards. Please read this manual thoroughly before proceeding with any installation or maintenance.

2. SAFETY INFORMATION

WARNING: Brake system work requires specialized knowledge and tools. Improper installation can lead to brake failure, serious injury, or death. If you are not confident in your ability to perform this installation safely and correctly, seek assistance from a qualified automotive technician.

- Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Ensure the vehicle is securely supported on jack stands on a level surface before beginning work.
- Never work under a vehicle supported only by a jack.
- Refer to your vehicle's specific service manual for detailed instructions and torque specifications.
- Keep brake fluid away from painted surfaces, as it can damage paint.

3. WHAT'S INCLUDED

Each Bosch QuietCast BC508 Premium Ceramic Disc Brake Pad Set typically includes the following components for one axle (two wheels):

- Ceramic Disc Brake Pads (4 pads for 1 axle)
- Hardware Kit (where applicable)
- Synthetic Lubricant (for reduced resistance on sliding contact points)



Figure 1: Bosch QuietCast BC508 Brake Pad Set, including pads, hardware, and synthetic lubricant.



Figure 2: Packaging for the Bosch QuietCast Premium Disc Brake Kit.

4. COMPATIBILITY

The Bosch QuietCast BC508 Premium Ceramic Disc Brake Pad Set is designed for the REAR axle of select

vehicles. Please verify specific fitment details using a vehicle fit checker, as trim level or engine type may affect compatibility.

Compatible with:

- **BUICK:** 2000-04 LeSabre, 1997-05 Park Avenue, 1994-96 Regal, 1992-99 Riviera
- **CADILLAC:** 1993 Allante, 1994-05 DeVille, 1992-02 Eldorado, 1992-97, 2003-04 Seville
- **CHEVROLET:** 1995-00 Lumina, 1995-99 Monte Carlo
- **OLDSMOBILE:** 1995-99, 2001-03 Aurora, 1997 Cutlass, 1994-97 Cutlass Supreme, 1992 Toronado
- **PONTIAC:** 2000-05 Bonneville, 1994-96 Grand Prix
- **SATURN:** 1991-92 SC, 1993-99 SC1, 1993-99 SC2, 1991-99 SL, 1991-99 SL1, 1991-99 SL2, 1993-99 SW1, 1993-99 SW2

5. KEY FEATURES

The Bosch QuietCast line incorporates advanced technology for optimal braking performance:

- **Molded Shim Technology (MST):** Features pre-attached OE style multilayer rubber core shims, heat and pressure cured between two layers of steel. This design ensures a high-quality bond, reducing noise, increasing strength, and improving corrosion resistance.
- **Ceramic Friction Material:** Rigorously formulated and tested for robust performance, exceptional stopping power, quiet operation, and low dust generation.
- **Powder-Coated Backing Plate:** Prevents rust and corrosion, extending the product life of the brake pad.
- **OE Style Slots and Chamfers:** Engineered to ensure premium quality, fit, and function, contributing to effective contact and reduced brake noise.
- **Copper-Free Formulation:** Environmentally conscious design.



Figure 3: Illustration of the brake pad's internal structure, highlighting the Molded Shim Technology for noise reduction and durability.



Copper Free



Longer Life



OE Fit

6. INSTALLATION INSTRUCTIONS (SETUP)

The following are general steps for brake pad replacement. Always consult your vehicle's specific service manual for detailed, model-specific instructions and safety procedures.

1. **Prepare the Vehicle:** Park the vehicle on a level surface, engage the parking brake, and block the wheels. Loosen the lug nuts on the wheels to be serviced.
2. **Lift and Secure:** Safely lift the vehicle using a jack and secure it with jack stands. Remove the lug nuts and the wheel.
3. **Access Caliper:** Locate the brake caliper. Depending on your vehicle, you may need to remove bolts to swing the caliper open or remove it entirely.
4. **Remove Old Pads:** Carefully remove the old brake pads from the caliper bracket. Note their orientation.
5. **Inspect and Clean:** Inspect the brake rotor for wear, scoring, or damage. Clean the caliper and caliper bracket thoroughly, removing any rust or debris.
6. **Lubricate:** Apply the provided synthetic lubricant to the caliper pins and any metal-to-metal contact points on the caliper bracket where the pads slide. Avoid getting lubricant on the friction material of the pads or the rotor surface.
7. **Install New Pads:** Install the new Bosch QuietCast brake pads into the caliper bracket, ensuring they are correctly seated and oriented. Install any new hardware clips provided.
8. **Retract Piston:** Use a caliper piston compression tool to slowly push the caliper piston(s) back into the caliper body. This creates space for the thicker new pads.
9. **Reassemble:** Reinstall the brake caliper and secure all bolts to the manufacturer's specified torque.
10. **Reinstall Wheel:** Mount the wheel back onto the hub, hand-tighten the lug nuts, and lower the vehicle. Torque the lug nuts to specification in a star pattern.
11. **Pump Brakes:** Before driving, slowly pump the brake pedal several times until it feels firm. This seats the pads against the rotor and restores proper pedal feel. Check the brake fluid level and top off if necessary.
12. **Break-in Procedure:** Follow the recommended break-in procedure for new brake pads, typically involving several moderate stops from varying speeds to properly seat the pads and rotors.

Installation Support Videos

Video 1: Bosch Braking Brake Pads - This video provides an overview of Bosch brake pads and their features, offering visual context for the product.

Video 2: Bosch Brakes for your vehicle - order online - This video highlights the convenience of ordering Bosch brakes and their application in vehicles.

Video 3: Bosch Braking: What's Stopping You? - This video showcases the importance of quality braking components and Bosch's role in providing them.

7. OPERATING INFORMATION

Once properly installed and broken in, your Bosch QuietCast BC508 brake pads will provide:

- **Quiet Operation:** The advanced shim technology significantly reduces brake noise.
- **Exceptional Stopping Power:** The ceramic friction material ensures reliable and consistent braking performance.
- **Low Dust:** Engineered to minimize brake dust, helping to keep wheels cleaner.

8. MAINTENANCE

Regular inspection and maintenance of your brake system are crucial for safety and longevity:

- **Periodic Inspection:** Have your brake pads, rotors, and fluid inspected by a qualified technician at recommended service intervals (typically every 10,000-15,000 miles or as per your vehicle's manual).
- **Brake Fluid:** Check brake fluid level regularly and ensure it is clean. Replace brake fluid according to your vehicle manufacturer's recommendations.
- **Rotor Condition:** Ensure rotors are free from deep grooves, cracks, or excessive rust. Consider replacing rotors when replacing pads for optimal performance.
- **Hardware:** Ensure all brake hardware is clean, lubricated, and free from corrosion.

9. TROUBLESHOOTING

If you experience any issues with your brake system after installation, consider the following:

- **Brake Noise (Squealing/Grinding):** Ensure proper lubrication of caliper pins and contact points. Verify correct installation of shims and hardware. If grinding, inspect pads for wear and rotors for damage.
- **Vibration/Pulsation:** This often indicates warped rotors. Inspect rotors for runout or thickness variation.
- **Soft Brake Pedal:** May indicate air in the brake lines, low brake fluid, or a faulty master cylinder. Bleed the brake system and check fluid levels.
- **Excessive Dust:** While QuietCast pads are low-dust, some dust is normal. If excessive, ensure proper break-in procedure was followed.

For persistent issues, consult a qualified automotive technician.

10. SPECIFICATIONS

Attribute	Value
Brand	Bosch

Material	Ceramic
Auto Part Position	Rear
Vehicle Service Type	Automotive
Specification Met	OEM
Model Number	BC508
Item Weight	1.65 pounds
Product Dimensions	4.75 x 4 x 3.5 inches

11. WARRANTY & SUPPORT

Bosch stands behind the quality of its products. For specific warranty information, claims, or technical support, please refer to the official Bosch Automotive website or contact Bosch customer service directly. Keep your proof of purchase for any warranty inquiries.