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Power Stop 17-1872

Power Stop 17-1872 Rear Z17 Ceramic Brake Pads with Hardware User Manual

Model: 17-1872

Introduction

This manual provides essential information for the proper installation, operation, and maintenance of your Power Stop 17-1872 Rear Z17 Ceramic Brake Pads with Hardware. These brake pads are specifically engineered to provide noise-free braking performance and are designed to meet OEM specifications for a range of Mercedes-Benz vehicles, including the C43 AMG, C450, GLC300, GLC350e, and GLC43 AMG.

The Z17 Evolution Clean Ride Ceramic brake pads feature thermal scorched surfaces for a fast break-in period and include premium stainless-steel hardware for a hassle-free installation. Adhering to the guidelines in this manual will help ensure optimal performance and longevity of your brake system.



Figure 1: Power Stop Z17 Evolution Ceramic Brake Pads with Hardware Kit in its retail packaging.

Setup and Installation

Installation of brake components requires specialized tools and knowledge. It is highly recommended that installation be performed by a qualified professional technician. Refer to your vehicle's specific service manual for detailed instructions and torque specifications.

Components Included:

- Z17 Evolution Ceramic Brake Pads (set for rear axle)
- Premium Stainless-Steel Hardware Kit



Figure 2: Individual brake pads and the included stainless-steel hardware components.

General Installation Steps (Consult Vehicle Manual):

1. Safely lift and support the vehicle. Remove the wheel.
2. Remove the brake caliper and old brake pads.
3. Clean the caliper and caliper bracket thoroughly.
4. Install the new premium stainless-steel hardware onto the caliper bracket.
5. Install the new Power Stop Z17 ceramic brake pads into the caliper bracket. Ensure proper fitment and orientation.
6. Reinstall the brake caliper and secure all fasteners to the manufacturer's specified torque.
7. Reinstall the wheel and lower the vehicle.
8. Repeat for the other side.
9. After installation, pump the brake pedal several times to ensure proper caliper piston engagement before driving.



Figure 3: A technician installing new brake hardware, demonstrating a step in the installation process.

Operating Instructions

The Power Stop Z17 Evolution Ceramic Brake Pads are designed for optimal performance in daily driving conditions. Their ceramic formulation contributes to a quiet and clean braking experience.

Break-in Procedure:

For optimal performance and longevity, a proper break-in procedure is crucial. The thermal scorched surfaces of the Z17 pads facilitate a fast break-in. Drive moderately for the first 200 miles, avoiding hard braking or sudden stops. This allows the pad material to properly seat with the rotor surface, ensuring consistent braking performance and minimizing noise.

Noise Reduction and Dust-Free Braking:

These pads are engineered with dual-layer rubberized shims that insulate noise, contributing to virtually silent braking. The ceramic compound also produces significantly less dust compared to traditional semi-metallic pads, helping to keep your wheels cleaner.



Figure 4: An illustration highlighting the dual-layer rubberized shims designed for noise insulation.



Figure 5: A close-up view of a vehicle's wheel and brake rotor, illustrating the benefit of low-dust ceramic brake pads.

Maintenance

Regular inspection of your brake system is crucial for safety and performance. It is recommended to have your brake pads and rotors inspected during routine vehicle maintenance, typically every 10,000 to 15,000 miles, or as recommended by your vehicle manufacturer.

Inspection Points:

- **Pad Wear:** Check the thickness of the brake pad friction material. Replace pads when they reach their minimum recommended thickness (usually 2-3mm).
- **Rotor Condition:** Inspect rotors for excessive wear, scoring, cracks, or warping.
- **Brake Fluid Level:** Ensure brake fluid is at the proper level and is clean.
- **Hardware:** Verify that all brake hardware is clean, properly lubricated (where applicable), and free from corrosion.

The included stainless-steel hardware is designed for durability, but proper cleaning and lubrication during pad

replacement are essential for optimal function and to prevent noise.

Troubleshooting

While Power Stop Z17 brake pads are designed for reliable performance, certain issues may arise. This section provides general guidance for common concerns.

Symptom	Possible Cause	Recommended Action
Brake Noise (Squealing/Grinding)	Improper installation, worn pads, contaminated pads/rotors, lack of lubrication on hardware.	Verify proper installation, check pad wear, inspect for contamination, ensure hardware is clean and lubricated. If persistent, consult a professional.
Reduced Braking Performance	Improper break-in, worn pads/rotors, air in brake lines, brake fluid issues.	Ensure break-in procedure was followed. Inspect pads and rotors for wear. Check brake fluid level and condition. Professional inspection is recommended.
Excessive Brake Dust	Not typical for ceramic pads; could indicate rotor wear or incorrect pad type.	Verify correct pad installation. Inspect rotors for excessive wear.

For any persistent or severe braking issues, immediately consult a certified automotive technician. Do not attempt to drive a vehicle with compromised braking performance.

Specifications

The following specifications apply to the Power Stop 17-1872 Rear Z17 Ceramic Brake Pads with Hardware:

Brand: Power Stop

Model Number: 17-1872

Material: Ceramic

Auto Part Position: Rear

Vehicle Service Type: Car

Specification Met: OEM

Included Components: Z17 EVO Ceramic Pad w/Hardware

Item Weight: Approximately 3.26 pounds

Package Dimensions: Approximately 10.83 x 6.42 x 2.36 inches

Country of Origin: China

UPC: 889906467861

Warranty and Support

Power Stop products are manufactured to high-quality standards. For specific warranty information regarding your 17-1872 Rear Z17 Ceramic Brake Pads with Hardware, please refer to the warranty documentation included with your purchase or visit the official Power Stop website.

For technical assistance, installation questions, or warranty claims, please contact Power Stop customer support directly. Contact information can typically be found on the product packaging or their official website.

Manufacturer: Power Stop

Website: www.powerstop.com

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