

04466-33220

# Instruction Manual: Genuine Rear Ceramic Disc Brake Pads

MODEL: 04466-33220 | BRAND: GENERIC

## 1. Introduction

This manual provides essential information for the proper installation, operation, and maintenance of your Genuine Rear Ceramic Disc Brake Pads, model 04466-33220. Adhering to these instructions will help ensure optimal performance and longevity of the product. For safety, professional installation is highly recommended.

## 2. Compatibility

These rear ceramic disc brake pads are designed for specific vehicle models and years. Please verify your vehicle's compatibility before installation.

- **Toyota Avalon:** 2008-2018
- **Toyota Camry:** 2007-2021
- **Toyota Matrix:** 2009-2013
- **Toyota RAV4:** 2006-2018
- **Lexus ES300h:** 2013-2018
- **Lexus ES350:** 2007-2018
- **Lexus HS250h:** 2010-2012
- **Pontiac Vibe:** 2009-2010

**Reference Numbers:** P-1212, CFC1212, 04466-33160, 04466-33210, 04466-33200, 04466-06060, 04466-06090, 04466-06200, 04466-42060, 04466-33180. These pads are suitable for the rear left and right (driver and passenger) sides.

## 3. Package Contents

Upon opening the package, please ensure all components are present and undamaged:

- 4x Disc Ceramic Brake Pads (for both rear wheels)
- Brake Lubricant (High-temperature Grease)
- Installation Hardware

If any items are missing or damaged, please contact your supplier immediately.

## 4. Specifications

These brake pads are engineered for performance and durability:

- **Material:** Ceramic (MTF602 carbon ceramic formula)
- **Performance:** Designed for low dust and noise reduction.
- **Environmental Compliance:** Meets Leaf Mark certification with copper content less than 5%.
- **Durability:** Tested with a 72-hour salt spray test to ensure performance in extreme conditions.
- **Position:** Rear axle
- **Item Weight:** Approximately 1.06 Kilograms
- **Manufacturer Part Number:** 04466-33220



Image: Genuine Rear Ceramic Disc Brake Pads, model 04466-33220. This image displays the brake pads and associated hardware included in the package.

## 5. Installation / Setup

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Brake system components are critical for vehicle safety. Incorrect installation can lead to serious accidents. It is strongly recommended that brake pad replacement be performed by a qualified automotive technician.

### Safety Precautions:

- 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 rely solely on a jack to support the vehicle.
- Refer to your vehicle's service manual for specific torque specifications and procedures.

### General Installation Steps (Consult a professional):

1. Safely lift and support the vehicle, then remove the rear wheels.
2. Remove the brake caliper bolts and carefully detach the caliper from the rotor. Do not let the caliper hang by the brake hose.
3. Remove the old brake pads from the caliper bracket.
4. Clean the caliper and caliper bracket thoroughly, removing any rust or debris.
5. Apply the provided high-temperature brake lubricant to the caliper slide pins and any metal-to-metal contact points on the new pads and hardware.
6. Install the new brake pads and hardware into the caliper bracket.
7. Use a caliper piston compression tool to retract the caliper pistons.
8. Reinstall the caliper over the new pads and rotor, tightening the caliper bolts to the manufacturer's specified torque.
9. Repeat for the other side.
10. Before driving, pump the brake pedal several times until it feels firm. Check the brake fluid level.
11. Perform a proper brake pad break-in procedure as recommended by the vehicle or brake pad manufacturer.

## 6. Operating Principles

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Disc brake pads function by creating friction against the brake rotor when the brake pedal is pressed. This friction converts kinetic energy into thermal energy, slowing and stopping the vehicle. Ceramic brake pads are known for their quiet operation, reduced dust production, and consistent performance across various temperatures.

**Brake-in Procedure:** After installation, a proper break-in (or bedding-in) procedure is crucial for optimal performance and longevity. This typically involves a series of moderate stops from varying speeds to properly seat the pads against the rotors. Consult your vehicle's manual or a professional for the recommended procedure.

## 7. Maintenance

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Regular inspection and maintenance of your brake system are vital for safety and performance.

- **Routine Inspection:** Have your brake pads, rotors, and fluid inspected by a qualified technician at least once a year or every 10,000-15,000 miles (16,000-24,000 km), or as recommended by your vehicle manufacturer.
- **Pad Wear:** Brake pads have wear indicators that will typically produce a squealing sound when they are nearing the end of their lifespan. Do not ignore these warnings.
- **Fluid Level:** Check your brake fluid level regularly. A low fluid level can indicate worn pads or a leak in the system.
- **Rotor Condition:** Ensure brake rotors are free from deep grooves, cracks, or excessive rust. Rotors may need to be resurfaced or replaced when installing new pads.

## 8. Troubleshooting

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If you experience any issues with your brakes, it is crucial to address them immediately. Do not operate a vehicle with compromised brakes.

- **Squealing/Grinding Noise:** This often indicates worn brake pads that need replacement. Grinding can mean metal-on-metal contact, which is dangerous and damaging to rotors.
- **Vibration During Braking:** This can be caused by warped rotors, uneven pad wear, or loose components.
- **Soft or Spongy Pedal:** May indicate air in the brake lines, low brake fluid, or a faulty master cylinder.
- **Pulling to One Side:** Could be due to uneven brake pad wear, a seized caliper, or a problem with the brake hose.

If you encounter any of these symptoms, have your vehicle inspected by a professional technician without delay.

## 9. Warranty and Support

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These ceramic disc brake pads come with a one-year unlimited-mileage guarantee. This warranty covers manufacturing defects and ensures the quality of the product under normal operating conditions.

For warranty claims, technical assistance, or further inquiries, please contact your point of purchase or the manufacturer directly. Keep your purchase receipt as proof of purchase.