

Wagner QC1212

Wagner Brake ThermoQuiet QC1212 Ceramic Disc Brake Pad Set

User Manual

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Wagner Brake ThermoQuiet QC1212 Ceramic Disc Brake Pad Set. Please read these instructions thoroughly before beginning any work to ensure safe and effective performance.

The Wagner ThermoQuiet QC1212 Ceramic Disc Brake Pad Set is engineered for quiet operation and reliable stopping power, featuring a zero-copper friction formulation and Integrally Molded Insulator (IMI™) technology.

2. PRODUCT FEATURES

- **Quieter Operation:** Application-specific design and a unique laser-shaped friction material distribute heat, sound, and vibration to minimize noise.
- **Long-Lasting Performance:** Superior formulation design effectively dissipates heat, contributing to extended friction performance and reduced brake fade.
- **Cleaner Wheels:** Proprietary friction formulation provides consistent braking performance and reduces rotor wear, which helps to minimize brake dust accumulation.
- **One-Piece Design:** Integrally Molded Insulator (IMI™) technology integrates the friction material, backing plate, and insulator into a single brake pad unit for select applications.
- **Hardware Included:** Premium stainless-steel hardware is included for specific applications to facilitate installation.
- **Zero Copper Formulation:** Features Wagner OE25 zero-copper friction formulation, meeting environmental standards.

LONGER LIFE

Superior formulation design dissipates heat for long-lasting friction performance and reduced brake fade



Image: Close-up of a Wagner ThermoQuiet ceramic brake pad, highlighting its construction.



Image: Diagram detailing the one-piece brake pad design and its features.

3. WHAT'S IN THE BOX

Your Wagner Brake ThermoQuiet QC1212 Ceramic Disc Brake Pad Set typically includes:

- One set of Wagner Brake - Ceramic Disc Pads (QC1212)
- Premium stainless-steel hardware (for applicable vehicle models)
- Small pack of caliper grease (Moly-Lube)

RECOMMENDED USES FOR WAGNER TQ[®]

For all vehicle types

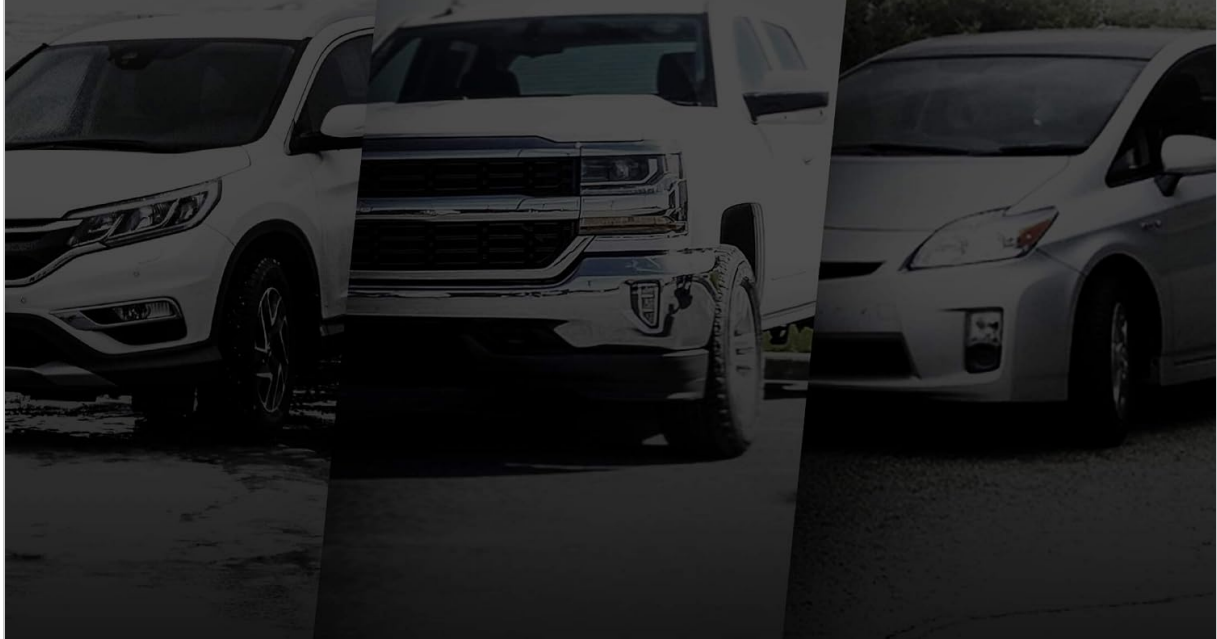


Image: Contents of the Wagner Brake Pad Set, including pads and hardware.

4. INSTALLATION GUIDELINES

Brake system components are critical for vehicle safety. Installation should be performed by a qualified technician or an individual with appropriate automotive repair experience. Always refer to your vehicle's service manual for specific procedures and torque specifications.

General Steps:

1. Safely lift and support the vehicle. Remove the wheel.
2. Remove the old brake pads and hardware. Inspect the brake rotor for wear, scoring, or damage. It is recommended to replace or resurface rotors when installing new pads for optimal performance.
3. Clean the caliper and caliper bracket thoroughly. Apply a thin layer of caliper grease to all contact points where the pads and hardware meet the caliper bracket.
4. Install the new stainless-steel hardware provided.
5. Install the new Wagner ThermoQuiet ceramic brake pads into the caliper bracket. Ensure they slide freely.
6. Reassemble the caliper and secure all bolts to the manufacturer's specified torque.
7. Repeat for all wheels requiring pad replacement.

8. After installation, pump the brake pedal several times to ensure the pads are seated against the rotors and the pedal feels firm before driving.

REDUCES BRAKE FADE

**SPREADS OUT HEAT,
SOUND & VIBRATION
OVER A LARGER SURFACE**

ONE-PIECE BRAKE PAD

IMI™ TECHNOLOGY



QUIETER OPERATION

**APPLICATION-SPECIFIC DESIGN & UNIQUE
LASER-SHAPED FRICTION-TO-ROTOR INTERFACE**

**PREMIUM STAINLESS-STEEL
HARDWARE FOR
SELECT APPLICATIONS**

WAGNER TQ®

Image: Installation of a brake pad onto a rotor.

5. OPERATION

After installing new brake pads, a proper break-in (bedding-in) procedure is crucial for optimal performance and longevity. This process helps to transfer a thin, even layer of friction material from the pads to the rotor surface.

Brake Pad Break-In Procedure:

1. Drive the vehicle at a moderate speed (e.g., 30-40 mph).
2. Apply the brakes moderately (not aggressively) to slow down to about 10 mph. Do not come to a complete stop.
3. Repeat this process approximately 10-15 times, allowing a short period between each stop for the brakes to cool slightly.
4. After the last stop, drive for several minutes without using the brakes to allow them to cool completely.

Avoid hard braking or prolonged heavy braking during the first 200 miles after installation to allow the pads to fully seat.

6. MAINTENANCE

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

Recommended Maintenance:

- **Periodic Inspection:** Inspect brake pads, rotors, calipers, and brake fluid levels at least once a year or every 12,000 miles, whichever comes first.
- **Pad Wear:** Replace brake pads when the friction material thickness reaches the manufacturer's minimum specification, typically around 2-3mm.
- **Rotor Condition:** Check rotors for excessive wear, deep grooves, cracks, or warping. Replace or resurface as needed.
- **Brake Fluid:** Ensure brake fluid is at the correct level and replace it according to your vehicle manufacturer's recommendations.
- **Cleaning:** Keep brake components free from excessive dirt, debris, and corrosion.



Image: New brake pads and rotor, illustrating components for maintenance or replacement.

7. TROUBLESHOOTING

This section addresses common issues that may arise with brake pads. If you experience persistent problems, consult a qualified automotive technician.

Common Issues and Solutions:

Symptom	Possible Cause	Solution
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Symptom	Possible Cause	Solution
Squealing/Grinding Noise	Improper installation, worn pads, lack of lubrication on contact points, rotor issues.	Re-inspect installation, apply caliper grease, check pad wear, inspect rotors.
Vibration/Pulsation	Warped rotors, uneven pad wear, loose caliper components.	Inspect and replace/resurface rotors, check caliper for proper function.
Reduced Braking Effectiveness	Improper break-in, contaminated pads, worn pads, brake fluid issues.	Perform break-in procedure, inspect for contamination, check pad wear and brake fluid.

8. SPECIFICATIONS

Brand:

Wagner

Model:

ThermoQuiet QC1212 Ceramic Disc Brake Pad Set

Item Model Number:

QC1212

Material:

Ceramic

Auto Part Position:

Rear

Vehicle Service Type:

Car, Truck

Item Weight:

2.02 pounds

Product Dimensions:

8.5 x 7.5 x 5.3 inches

OEM Part Number:

QC1212

UPC:

008536483267, 008536574651

9. OFFICIAL PRODUCT VIDEO

Your browser does not support the video tag.

Video: "Zero Shortcuts - Wagner TQ" - This video provides an overview of the engineering and validation processes behind Wagner brake pads, emphasizing their quality and performance.

10. WARRANTY AND SUPPORT

For specific warranty information, technical support, or further inquiries regarding your Wagner Brake products, please refer to the official Wagner website or contact their customer service directly.

You can also visit the [Wagner Store on Amazon](#) for additional product details and resources.

