Power Stop K2068

Power Stop K2068 Front and Rear Z23 Evolution Sport Brake Kit Instruction Manual

Brand: Power Stop | Model: K2068

For Cadillac Escalade, Escalade ESV, Escalade EXT (2007-2008)

1. Product Overview

The Power Stop K2068 Z23 Evolution Sport Brake Upgrade Kit is designed to enhance the braking performance of your vehicle. This kit provides a low-dust and noise-free upgrade compared to standard brake systems. It includes drilled and slotted rotors, Z23 Evolution Sport carbon-fiber ceramic brake pads, upgraded hardware, and high-performance lubricant.

The carbon-fiber ceramic brake pads are engineered for increased braking power and durability, while the rotors feature precision drill holes for maximum cooling and rounded slots to clear gas and debris. All drilled and slotted rotors are silver zinc dichromate plated for rust and corrosion prevention.

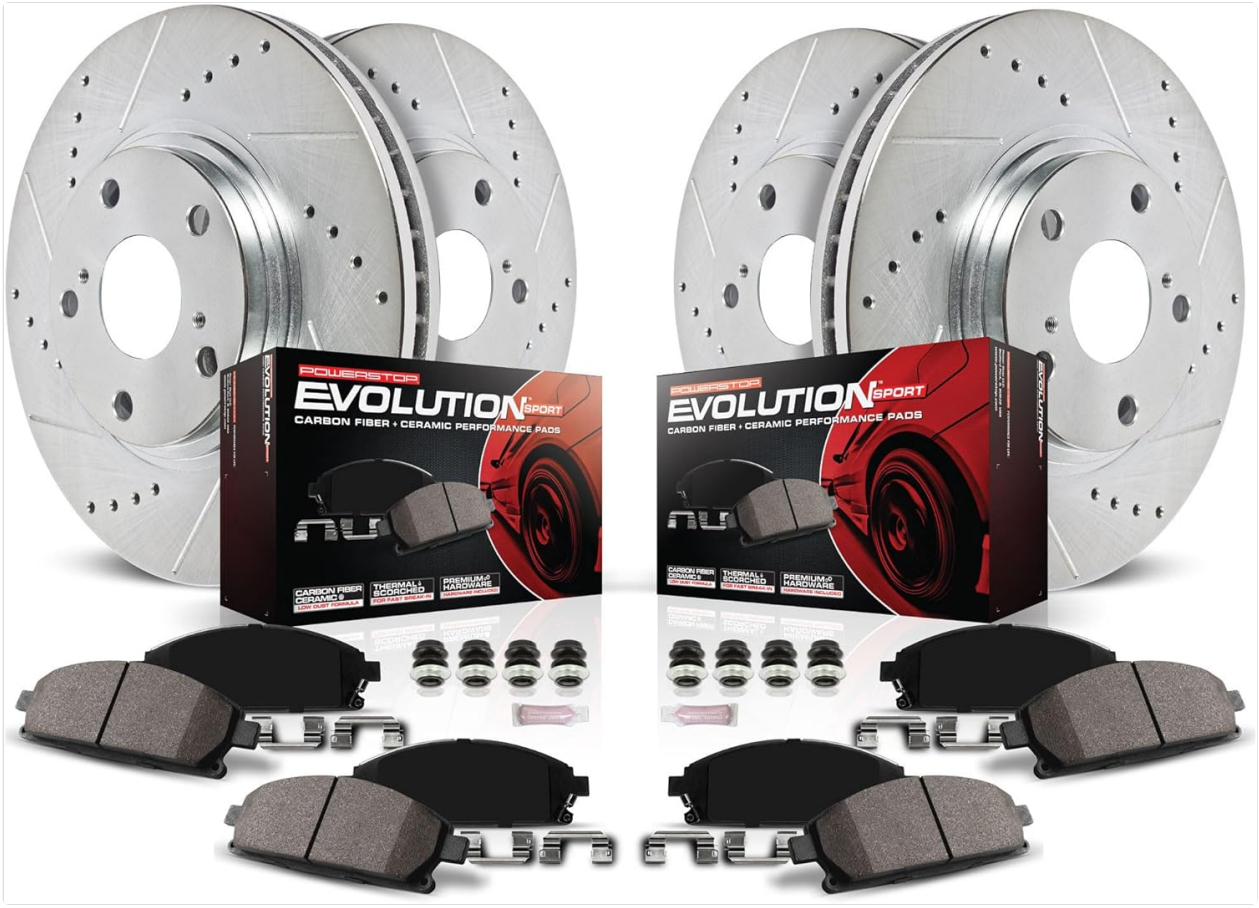

Figure 1: Complete Power Stop K2068 Z23 Evolution Sport Brake Kit.

2. Safety Information

WARNING: Improper installation or maintenance of brake components can lead to serious injury or death. If you are not experienced with automotive brake systems, it is highly recommended to seek professional installation.

- Always use appropriate personal protective equipment, including safety glasses and gloves.
- Ensure the vehicle is securely supported on jack stands on a level surface before beginning any work.
- Never work under a vehicle supported only by a jack.
- Refer to your vehicle's service manual for specific torque specifications and procedures.
- Keep all brake fluids and lubricants away from painted surfaces.
- Dispose of old brake components and fluids responsibly according to local regulations.

3. Package Contents

The Power Stop K2068 kit typically includes the following components:

- Front and Rear Drilled & Slotted Brake Rotors (2 front, 2 rear)
- Z23 Evolution Sport Carbon-Fiber Ceramic Brake Pads (for front and rear axles)
- Upgraded Stainless Steel Hardware Kit
- High-Performance Brake Lubricant

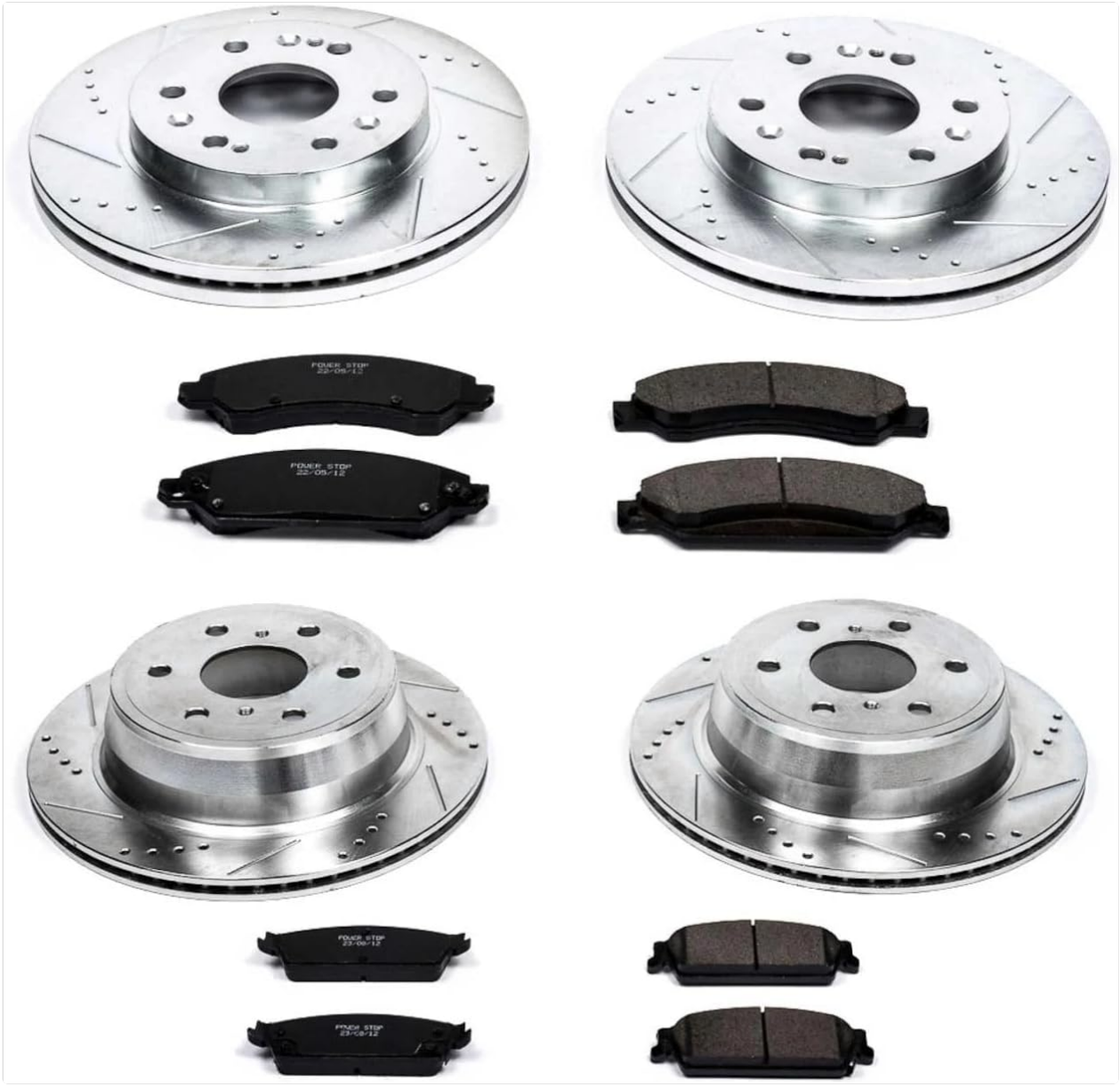

Figure 2: Contents of the Power Stop K2068 Brake Kit.

4. Setup and Installation

4.1. Pre-Installation Checks

- Verify that all components in the kit match your vehicle's specifications and are free from shipping damage.
- Ensure you have all necessary tools for brake replacement.
- Identify the correct left and right rotors for proper installation.

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Video 1: Identifying Left vs. Right Rotors. This video demonstrates how to correctly identify the left and right drilled and slotted rotors for proper installation on your vehicle. Proper orientation ensures optimal performance and cooling.

4.2. Rotor Type Identification (Solid vs. Vented)

Some vehicle models may have variations in rotor types (solid or vented). It is crucial to verify the existing rotor type on your vehicle and ensure the replacement rotors match.

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Video 2: Solid vs. Vented Rotors. This video explains the visual differences between solid and vented brake rotors, helping you confirm the correct type for your vehicle.

4.3. Rotor Balancing

Power Stop rotors are mill balanced to ensure optimal performance and reduce vibration. Small machine notches on the rotor's edge indicate this balancing process, which is essential for the longevity and smooth operation of your brake system.

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Video 3: Mill Balanced Rotors. This video illustrates the mill balancing process for brake rotors and explains its importance in preventing vibration and ensuring smooth braking performance.

4.4. General Installation Steps

While specific steps may vary by vehicle, the general procedure for installing the brake kit is as follows:

1. Safely lift and support the vehicle, then remove the wheels.
2. Remove the old brake calipers, pads, and rotors.
3. Clean the hub assembly thoroughly to ensure proper seating of the new rotor.
4. Install the new Power Stop drilled and slotted rotors, ensuring correct left/right orientation.
5. Install the new Z23 Evolution Sport carbon-fiber ceramic brake pads and calipers, using the provided hardware and lubricant.
6. Bleed the brake system if necessary, following your vehicle manufacturer's guidelines.
7. Reinstall the wheels and lower the vehicle.

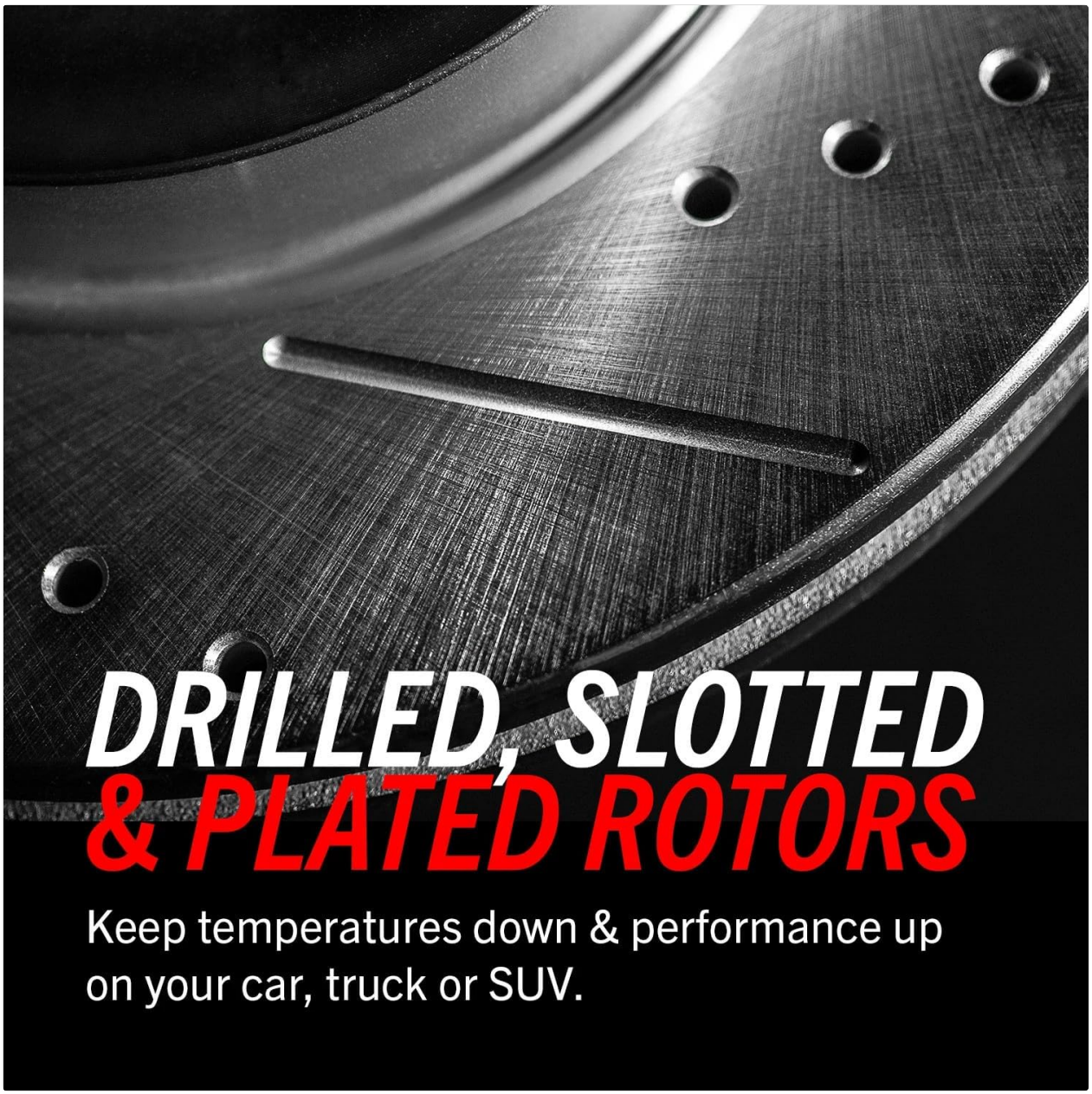

Figure 3: Installation of brake components.

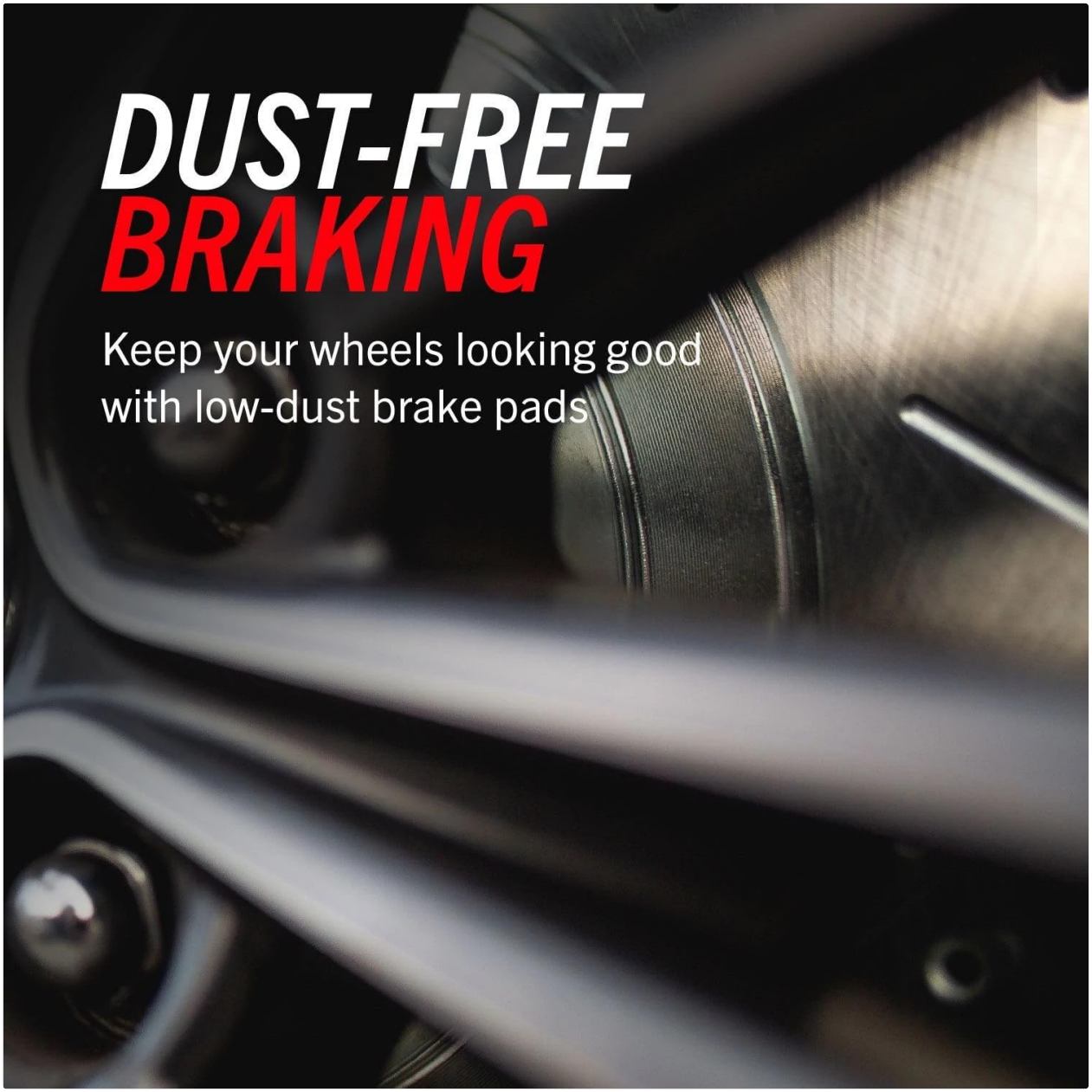

Figure 4: Installed Power Stop rotor.

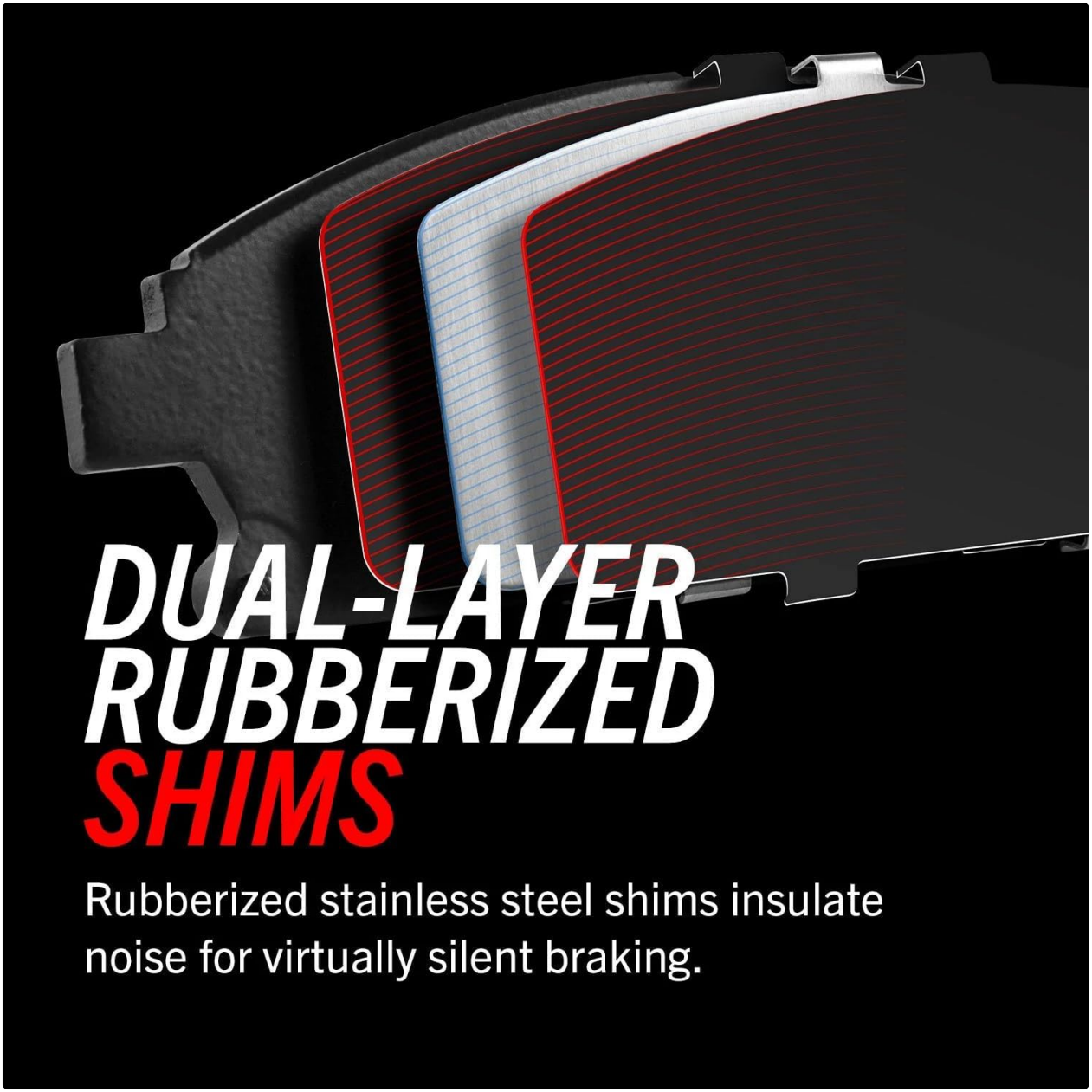

Figure 5: Drilled holes for enhanced cooling.

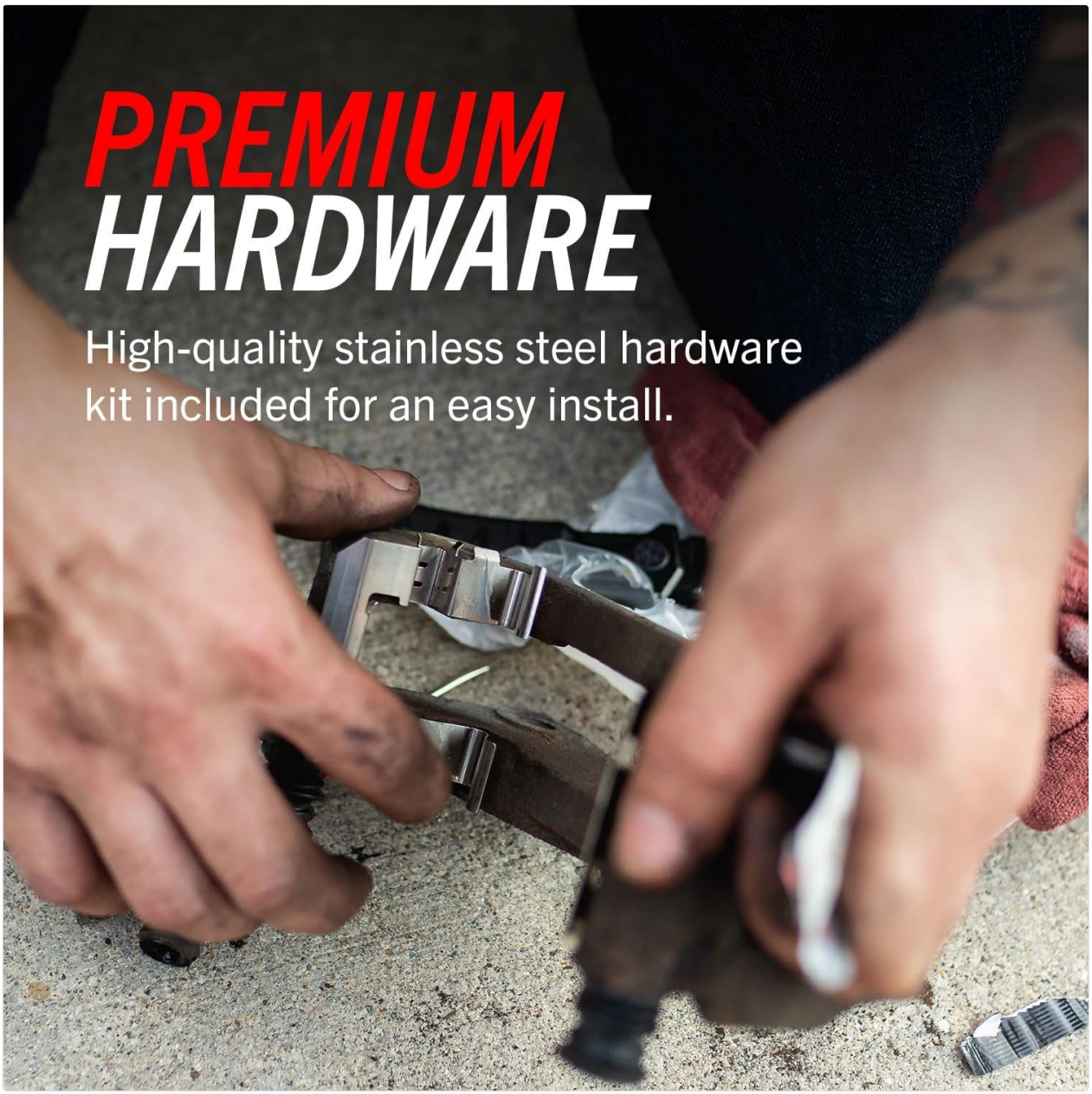

Figure 6: Rounded slots for debris removal.

5. Operating and Break-in Procedure

Proper break-in (also known as bedding-in) is crucial for optimal brake performance and longevity. This process ensures an even layer of friction material is deposited onto the rotors from the brake pads.

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Video 4: Z23 Sport Performance Upgrade Kit Break-in Procedure. This video provides a step-by-step guide on how to properly break in your new Power Stop Z23 Evolution Sport brake kit to ensure optimal performance and prevent issues like judder.

5.1. Break-in Steps:

1. Find a safe, open area where you can perform several stops without interruption.
2. Perform **five (5) moderate to aggressive stops** from 40 MPH down to 10 MPH. Do this in rapid succession without allowing the brakes to cool completely between stops. *Do not come to a complete stop during these initial five stops.*
3. If you are forced to stop, either shift into neutral and release the brake pedal, or leave enough room to allow the vehicle to roll slightly while waiting. Holding the brake pedal on hot rotors can cause an uneven pad imprint, leading to judder.

4. Immediately after the first five stops, perform **five (5) moderate stops** from 35 MPH down to 5 MPH, again in rapid succession without letting the brakes cool.
5. You may notice a burning smell as the brakes heat up; this is normal during the break-in process.
6. After completing the stops, drive the vehicle for approximately five minutes at a moderate speed without heavy braking. This "cooling stage" allows the heated brake pads and rotors to cool and cure evenly.
7. Once the brakes have cooled to standard operating temperature, they are ready for normal use.

IMPORTANT: Never cool hot brakes with water, as this can damage them.

6. Maintenance Guidelines

Regular inspection and maintenance are essential to ensure the continued performance and safety of your Power Stop brake system.

- **Routine Inspection:** Periodically inspect brake pads for wear and rotors for signs of excessive wear, cracks, or scoring. Consult a qualified technician if you observe any irregularities.
- **Cleaning:** Keep brake components free from excessive dirt, grime, and road salt.
- **Pad Replacement:** Replace brake pads when they reach their minimum thickness specification. Always replace pads on both sides of an axle simultaneously.
- **Rotor Replacement:** Rotors should be replaced if they fall below the minimum thickness specification, show signs of warping, or have deep grooves.

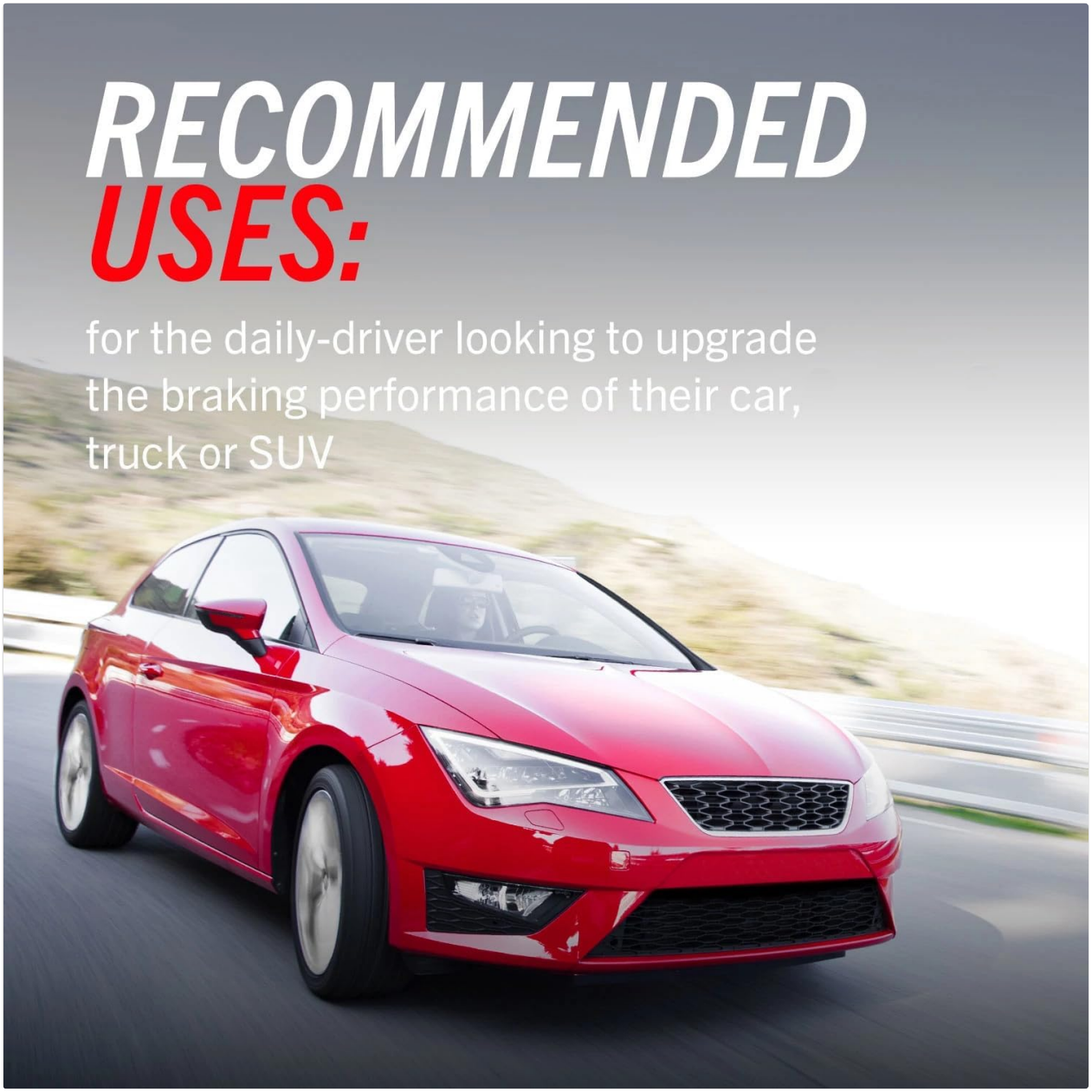

Figure 7: Z23 Evolution Sport Carbon-Fiber Ceramic Brake Pads.

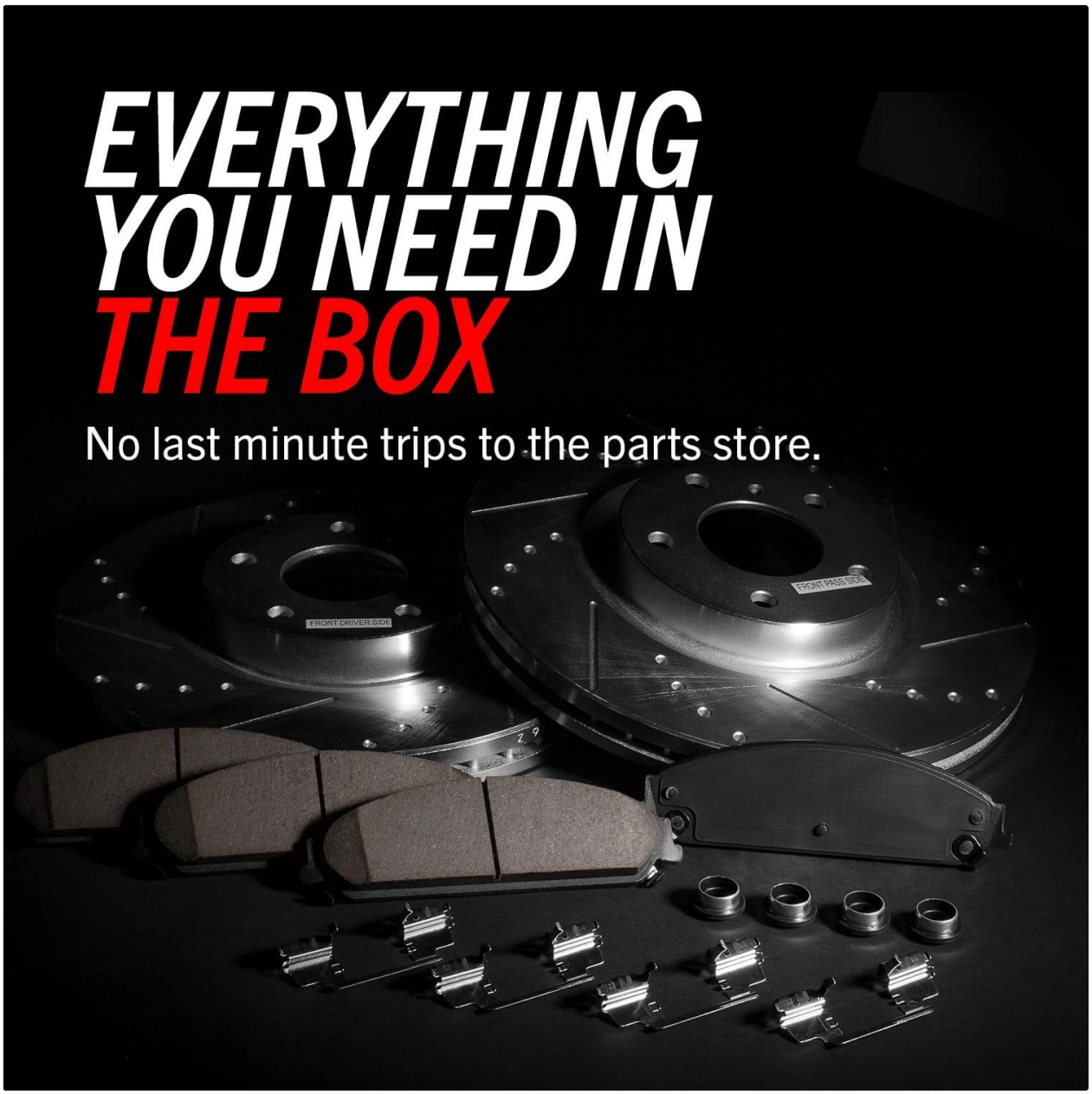

Figure 8: Drilled and Slotted Rotors for optimal cooling.

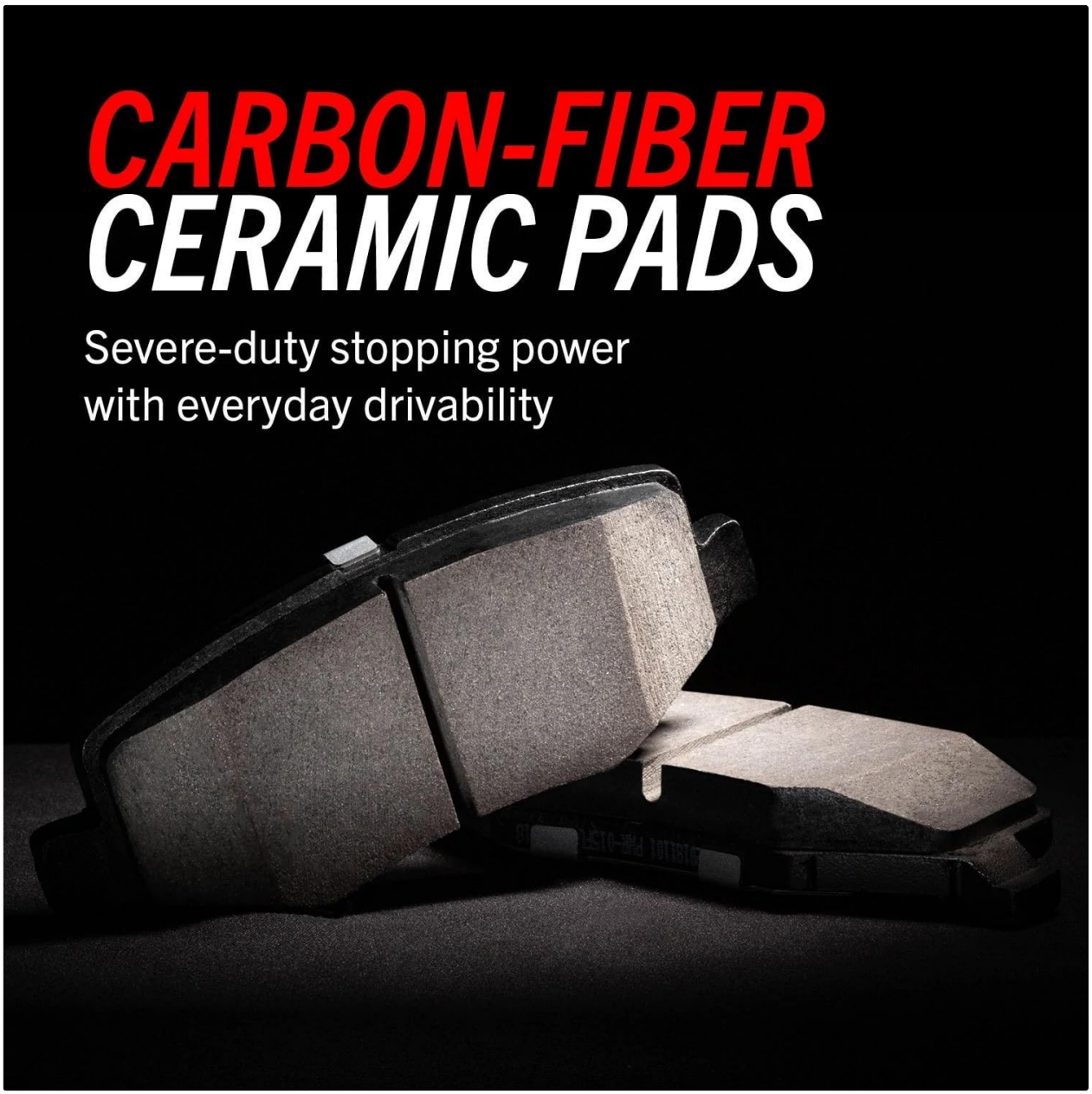

Figure 9: Low-dust braking helps keep wheels clean.

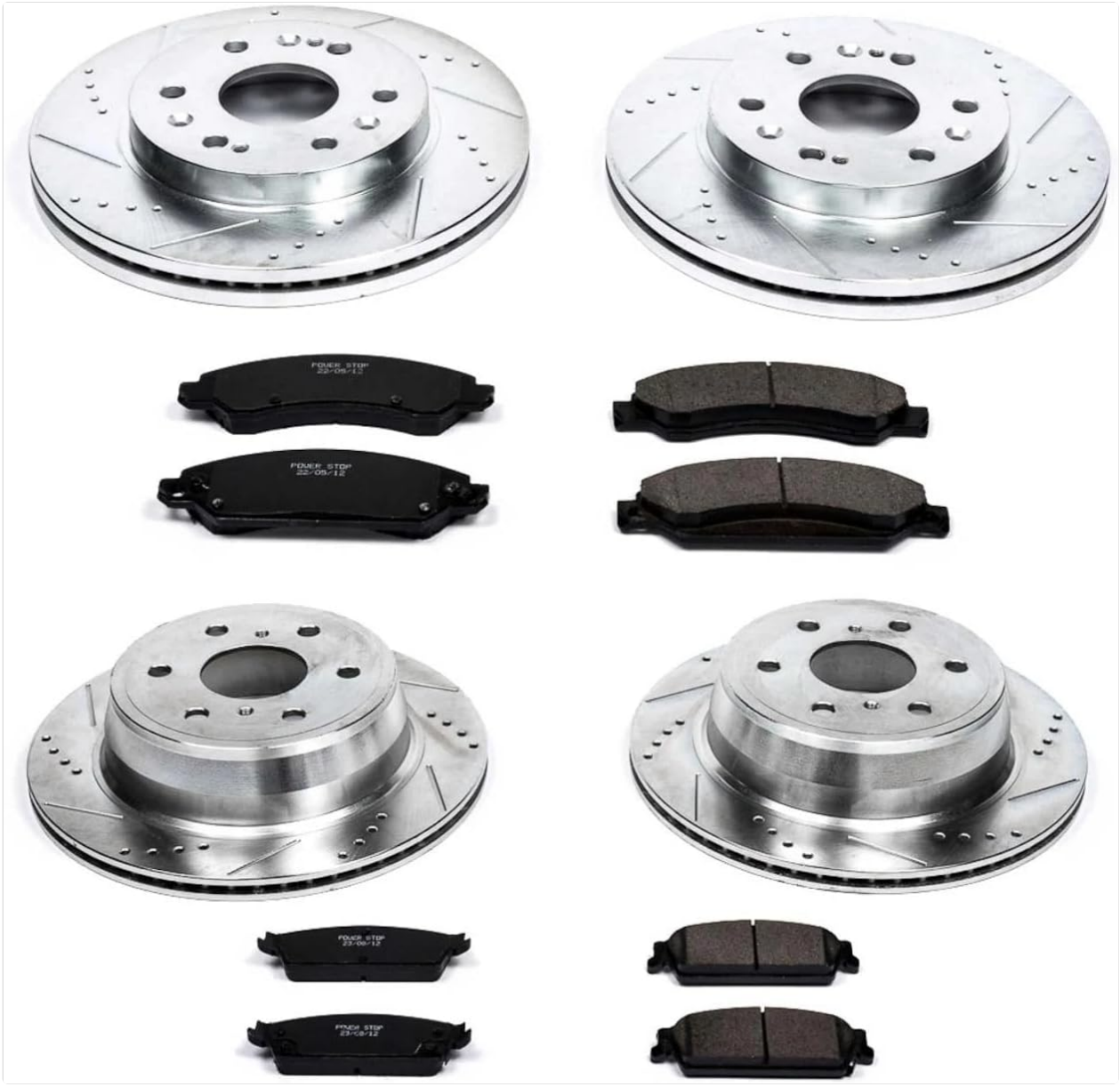

Figure 10: Dual-layer rubberized shims for noise insulation.

7. Troubleshooting

This section addresses common issues that may arise with brake systems and potential solutions.

Problem	Possible Cause	Solution
Brake Noise (Squealing/Grinding)	Improper break-in, worn pads, foreign material, incorrect installation of hardware.	Re-perform break-in procedure, inspect pads for wear, clean brake assembly, ensure proper hardware installation and lubrication.
Brake Vibration/Pulsation	Uneven pad material transfer (improper break-in), warped rotors, loose wheel nuts.	Re-perform break-in procedure, inspect rotors for run-out, check wheel lug nut torque.
Reduced Braking Performance	Air in brake lines, worn pads, contaminated pads/rotors, improper break-in.	Bleed brake system, inspect/replace pads, clean components, re-perform break-in.

If troubleshooting steps do not resolve the issue, consult a certified automotive technician.

8. Product Specifications

- **Brand:** Power Stop
- **Model:** K2068 (Front and Rear Z23 Carbon Fiber Brake Pads with Drilled & Slotted Brake Rotors Kit)
- **Vehicle Service Type:** Car, Truck (Specifically for Cadillac Escalade, ESV, EXT 2007-2008)
- **Item Weight:** Approximately 104.7 pounds (total kit)
- **Product Dimensions:** Approximately 14 x 14 x 10 inches (packaging)
- **Exterior Finish:** Zinc Plated (rotors)
- **Special Features:** Bolt-on upgrade, no modifications necessary; Noise-free and low dust; Zinc plated rotors for rust protection.

9. Warranty and Support

For detailed warranty information regarding your Power Stop K2068 brake kit, please refer to the official Power Stop website or contact their customer support directly. Warranty terms and conditions may vary.
For technical assistance or further inquiries, please visit thePower Stop Store on Amazon or the manufacturer's official website.