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› Brembo 08.B271.11 UV Coated Solid Rear Brake Rotor Instruction Manual

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Model: 08.B271.11

PRODUCT OVERVIEW

The Brembo 08.B271.11 UV Coated Solid Rear Brake Rotor is engineered to meet or exceed original equipment (OE) manufacturer specifications, providing reliable braking performance. This rotor features advanced UV coating technology for enhanced corrosion resistance and a high carbon content to minimize vibration and noise.

Key Features

- **High Carbon Content:** Designed to enhance driving comfort and performance by minimizing vibration and noise.
- **Easy and Immediate Installation:** Includes all necessary hardware for a straightforward installation process.
- **Corrosion Resistance:** Utilizes new anti-corrosion technology, developed in collaboration with OE manufacturers, to ensure better fit and extended brake life.
- **Original Equipment Certified:** Manufactured to meet or exceed the material specifications used by original equipment manufacturers.
- **UV Coating Benefits:** Brembo's UV coating technology significantly reduces environmental impact on rotors, offering superior corrosion resistance, a clean aesthetic, and consistent performance.

INSTALLATION GUIDE

Proper installation is crucial for the safe and effective operation of your Brembo brake rotors. It is highly recommended that installation be performed by a qualified automotive technician.

What's in the Box

- Disc Brake Rotor
- Rotor Screw

General Installation Notes

1. **Safety First:** Always wear appropriate personal protective equipment, including safety glasses and gloves. Ensure the vehicle is securely supported on jack stands or a lift.
2. **Component Inspection:** Before installation, thoroughly inspect all brake system components, including calipers, brake pads, and brake lines, for wear or damage. Replace any worn or damaged parts.
3. **Cleaning:** Clean the wheel hub surface and the new rotor thoroughly to remove any protective oils or debris. Use a suitable brake cleaner.
4. **Mounting:** Mount the new rotor onto the wheel hub, ensuring it sits flush. Secure it with the provided rotor screw.
5. **Brake Pad Installation:** Install new brake pads according to the vehicle manufacturer's specifications. Never reuse old brake pads with new rotors.
6. **Caliper Reassembly:** Reassemble the brake caliper, ensuring all bolts are torqued to the manufacturer's specifications.
7. **Brake System Bleeding:** If any hydraulic components were disconnected, bleed the brake system to remove air.
8. **Bedding-in Procedure:** After installation, follow the recommended bedding-in procedure for new brake rotors and pads to ensure optimal performance and longevity. This typically involves a series of moderate stops from varying speeds, allowing the brake components to gradually heat up and cool down.

OPERATING YOUR BRAKE ROTORS

After new brake rotors and pads are installed, a proper "bedding-in" procedure is essential. This process transfers a thin, even layer of friction material from the brake pads to the rotor surface, which is critical for optimal braking performance, reduced noise, and extended component life.

Bedding-in Procedure (General Guidelines)

1. **Initial Driving:** Drive at a moderate speed (e.g., 30-40 mph) for a few miles, avoiding hard braking.
2. **Moderate Stops:** Perform approximately 5-7 moderate stops from 30-40 mph down to about 10 mph. Allow a short period of driving between stops to cool the brakes slightly.
3. **Harder Stops:** Perform 2-3 harder stops from 40-50 mph down to about 10 mph. Again, allow for cooling between stops.
4. **Cool Down:** Drive for several minutes without using the brakes to allow them to cool down completely. Avoid coming to a complete stop with hot brakes, as this can imprint pad material onto the rotor and cause pulsation.
5. **Avoid Hard Braking:** For the first 200-300 miles, avoid sudden or aggressive braking to allow the pads and rotors to fully seat.

Consult your vehicle's service manual or the brake pad manufacturer's instructions for specific bedding-in recommendations.

MAINTENANCE AND CARE

Regular maintenance helps ensure the longevity and performance of your Brembo UV Coated Solid Rear Brake Rotors.

Routine Checks

- **Visual Inspection:** Periodically inspect rotors for signs of wear, such as deep grooves, cracks, or excessive rust. The UV coating provides excellent corrosion resistance, but severe conditions can still affect the rotor.
- **Thickness Measurement:** Have your rotors measured by a professional during routine service to ensure they are within the manufacturer's minimum thickness specifications.

- **Brake Pad Wear:** Always check brake pad wear when inspecting rotors. Worn pads can damage rotors.
- **Cleaning:** Keep your wheels and brake components clean to prevent buildup of brake dust and road grime, which can contribute to corrosion and reduced performance.

Benefits of UV Coating

The specialized UV coating on your Brembo rotors offers enhanced protection against environmental factors, including road salt, moisture, and harsh weather conditions. This coating helps maintain the rotor's aesthetic appearance and contributes to a longer service life by preventing rust and corrosion.

TROUBLESHOOTING COMMON BRAKE ISSUES

If you experience any of the following symptoms, it is important to have your brake system inspected by a qualified technician immediately.

Common Symptoms and Potential Causes

- **Brake Noise (Squealing, Grinding):**
 - **Squealing:** Often caused by worn brake pads (wear indicators), improper pad installation, or glazed pads/rotors.
 - **Grinding:** Typically indicates severely worn brake pads, where the metal backing plate is contacting the rotor. This requires immediate attention.
- **Brake Pulsation or Vibration:**
 - Often caused by uneven rotor wear (runout), rotor warping due to excessive heat, or improper bedding-in.
- **Soft or Spongy Brake Pedal:**
 - May indicate air in the brake lines, low brake fluid, or a faulty master cylinder.
- **Vehicle Pulling to One Side During Braking:**
 - Could be due to a seized caliper, uneven brake pad wear, or a hydraulic issue.
- **Increased Stopping Distance:**
 - A general sign of brake system inefficiency, possibly due to worn pads/rotors, contaminated friction material, or a hydraulic problem.

Always seek professional assistance for brake system diagnosis and repair.

PRODUCT SPECIFICATIONS

Specification	Detail
Brand	Brembo
Model	08.B271.11
Material	Cast Iron
Exterior Finish	Machined, Coated (UV)

Vehicle Service Type	Sport-Utility-Vehicles
Position	Rear
Item Weight	9.87 pounds
Product Dimensions	11.1 x 11.1 x 1.93 inches
OEM Part Number	42510SFY000, 42510T7JH00, 42510TA0A00, 42510TA0A01, 42510TC0T00
Global Trade Identification Number	08020584210611
Date First Available	March 12, 2015

WARRANTY AND SUPPORT

Brembo products are manufactured to high-quality standards. For specific warranty information regarding your Brembo 08.B271.11 UV Coated Solid Rear Brake Rotor, please refer to the documentation included with your product or visit the official Brembo website. For technical support or assistance, contact Brembo customer service.

PRODUCT VISUALS



Figure 1: Front view of the Brembo 08.B271.11 UV Coated Solid Rear Brake Rotor, showcasing its smooth, coated surface and hub design.



Figure 2: Rear view of the Brembo 08.B271.11 rotor, highlighting the mounting points and the UV coating on the non-friction surfaces.



Figure 3: Detailed view of the Brembo rotor's surface and hub, showing the precision machining and bolt pattern.



Figure 4: Illustration emphasizing the high carbon content of Brembo rotors, which contributes to reduced vibration and noise.



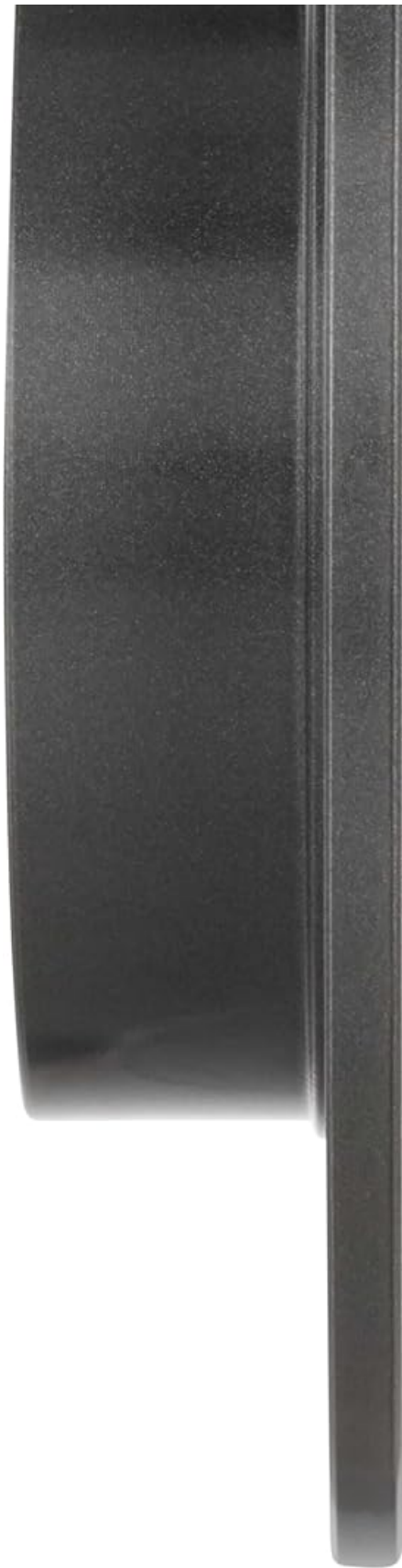


Figure 5: Side profile of the Brembo rotor, showing its solid construction and thickness.

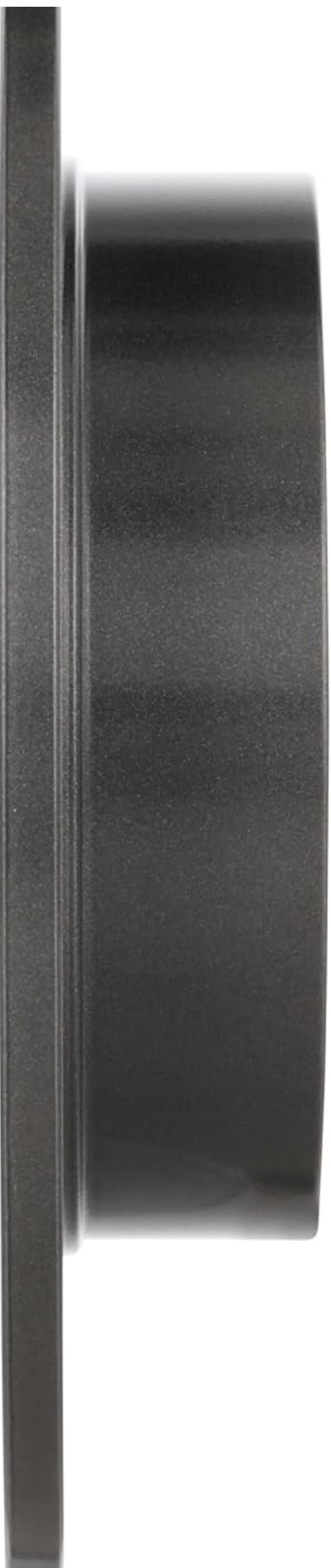




Figure 6: Alternate side profile view of the Brembo rotor, highlighting its robust design.

Official Product Video

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Video 1: An official video from Brembo North America, INC, demonstrating the features and benefits of Brembo UV-coated solid rotors, including anti-corrosion technology and high carbon content.