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## Bendix PRT6397

# Bendix Premium PRT6397 Brake Rotor Instruction Manual

Model: PRT6397  
Manufactured by Bendix

## 1. PRODUCT OVERVIEW

The Bendix Premium PRT6397 Brake Rotor is engineered to provide exceptional stopping power and durability. Constructed from high-grade cast iron, it is designed to match the fit, form, and function of original equipment, ensuring optimal performance and quiet, smooth operation. These rotors are dynamically balanced to minimize vibrations and are built to withstand the continuous heat cycles of daily driving, contributing to a perfect fit and long-lasting performance.



Image: Bendix Premium PRT6397 Brake Rotor, showcasing its robust design and machined finish.

## Key Features:

- **OE Replacement:** Designed and engineered to OE specifications for precise fit, form, and function.
- **Superior Performance:** Delivers exceptional braking performance and reliable stopping power in various driving conditions.
- **Heat Dissipation:** Features advanced designs for efficient heat dissipation, which reduces the risk of brake fade.
- **Vehicle Application:** Suitable for both front and rear axles on a wide range of vehicles, including Chevrolet Silverado 4500 HD, 5500 HD, 6500 HD (2019-2022), Ford F-650, F-750 (various years), IC Corp School Buses, and International models (3200, 3300, 4100, 4300, 4300LP, 4400, 4400LP, 4700, CV515, Durastar).

## What's in the Box:

- (1) Bendix Rotor

## 2. SETUP AND INSTALLATION

Installation of the Bendix Premium PRT6397 Brake Rotor is designed to be straightforward for qualified technicians or individuals with appropriate automotive experience. It is an OE replacement part, ensuring compatibility with specified vehicle models.

### Installation Steps (General Guidance):

1. Safely lift and support the vehicle, then remove the wheel.
2. Remove the caliper and brake pads.
3. Remove the two bolts for the caliper bracket.
4. Locate and remove the small hex-keyed bolt on the disc itself, which secures the rotor to the hub.
5. Carefully remove the old rotor. Note that rust and corrosion may make removal difficult; gentle tapping with a hammer or slight heating may be necessary.
6. Install the new Bendix PRT6397 rotor, ensuring it sits flush against the hub. Secure it with the hex-keyed bolt.
7. Reinstall the caliper bracket and caliper.
8. It is highly recommended to replace brake pads at the same time as rotors for optimal performance and wear. If reusing existing pads, allow for a gentle wear-in period to prevent overheating if pads were grooved or uneven.
9. Reinstall the wheel and lower the vehicle.



Image: Guide illustrating how to verify part fitment for your vehicle.

## 3. OPERATING INSTRUCTIONS

Once installed, the Bendix Premium PRT6397 Brake Rotor provides reliable and consistent braking performance. Its design ensures a quiet and smooth operation, contributing to a comfortable driving experience.

### Brake-In Procedure:

After installation, a proper brake-in procedure is crucial for optimal performance and longevity of both the rotors and pads. This typically involves a series of moderate stops from varying speeds, allowing the brake components to gradually heat up and cool down, ensuring proper mating surfaces are established.

### Performance Characteristics:

- **Smooth and Consistent Braking:** Engineered for a responsive and predictable pedal feel.
- **Reduced Noise and Vibration:** Dynamically balanced to minimize unwanted sounds and vibrations during braking.
- **Fade Resistance:** Advanced heat dissipation properties help maintain braking effectiveness even under demanding conditions.

## 4. MAINTENANCE

Regular inspection and maintenance are essential to ensure the continued safe and effective operation of your Bendix brake rotors. While designed for durability, proper care will extend their lifespan and maintain peak performance.

### Recommended Maintenance:

- **Periodic Inspection:** Regularly inspect rotors for signs of wear, such as scoring, grooving, cracks, or excessive rust.
- **Thickness Check:** Consult your vehicle's manufacturer specifications for minimum rotor thickness. Replace rotors if they fall below this limit.
- **Cleanliness:** Keep brake components free from dirt, debris, and excessive brake dust.
- **Brake Pad Condition:** Always ensure brake pads are in good condition and replaced when worn, as worn pads can damage rotors.



Image: Close-up of a Bendix brake rotor, highlighting its precision machining.

## 5. TROUBLESHOOTING

While Bendix brake rotors are manufactured to high standards, issues can occasionally arise. Below are common symptoms and potential causes:

- **Vibration or Pulsation during Braking:** This can indicate rotor run-out, uneven wear, or warping. Ensure proper installation and check for any damage.
- **Excessive Noise (Squealing, Grinding):** Often related to worn brake pads, improper brake-in, or foreign material between the pad and rotor. Inspect pads and perform brake-in if necessary.
- **Reduced Braking Performance:** Could be due to brake fade from overheating, worn pads, or issues with

the vehicle's hydraulic system.

If you experience persistent issues, it is recommended to consult a certified automotive technician for diagnosis and repair.

## 6. SPECIFICATIONS

Attribute	Detail
Brand	Bendix
Model	Bendix Premium (PRT6397)
Material	Cast Iron
Exterior Finish	Machined
Item Weight	38.9 pounds
Product Dimensions	15.79 x 15.79 x 2.24 inches
Position	Front/Rear
UPC	887243345170

*Note: Specifications are subject to change without notice.*

## 7. WARRANTY AND SUPPORT

For specific warranty information regarding your Bendix Premium PRT6397 Brake Rotor, please refer to the documentation provided with your purchase or contact the retailer. General return policies typically allow for returns or replacements within 30 days of purchase.

This product is distributed by GRI Engineering & Development LLC.

**Proposition 65 Warning:** This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

For technical support or inquiries, please contact the distributor or visit the official Bendix website.