Parts Master 61971

Parts Master 61971 Rear Brake Rotor User Manual

Model: 61971

1. Product Overview

The Parts Master 61971 Rear Brake Rotor is a critical component designed for the braking system of your vehicle. This disc brake rotor is engineered to provide reliable stopping power and consistent performance, ensuring safety and efficiency.

It is manufactured by Parts Master, a brand known for automotive replacement parts. This rotor is specifically for rear brake applications.

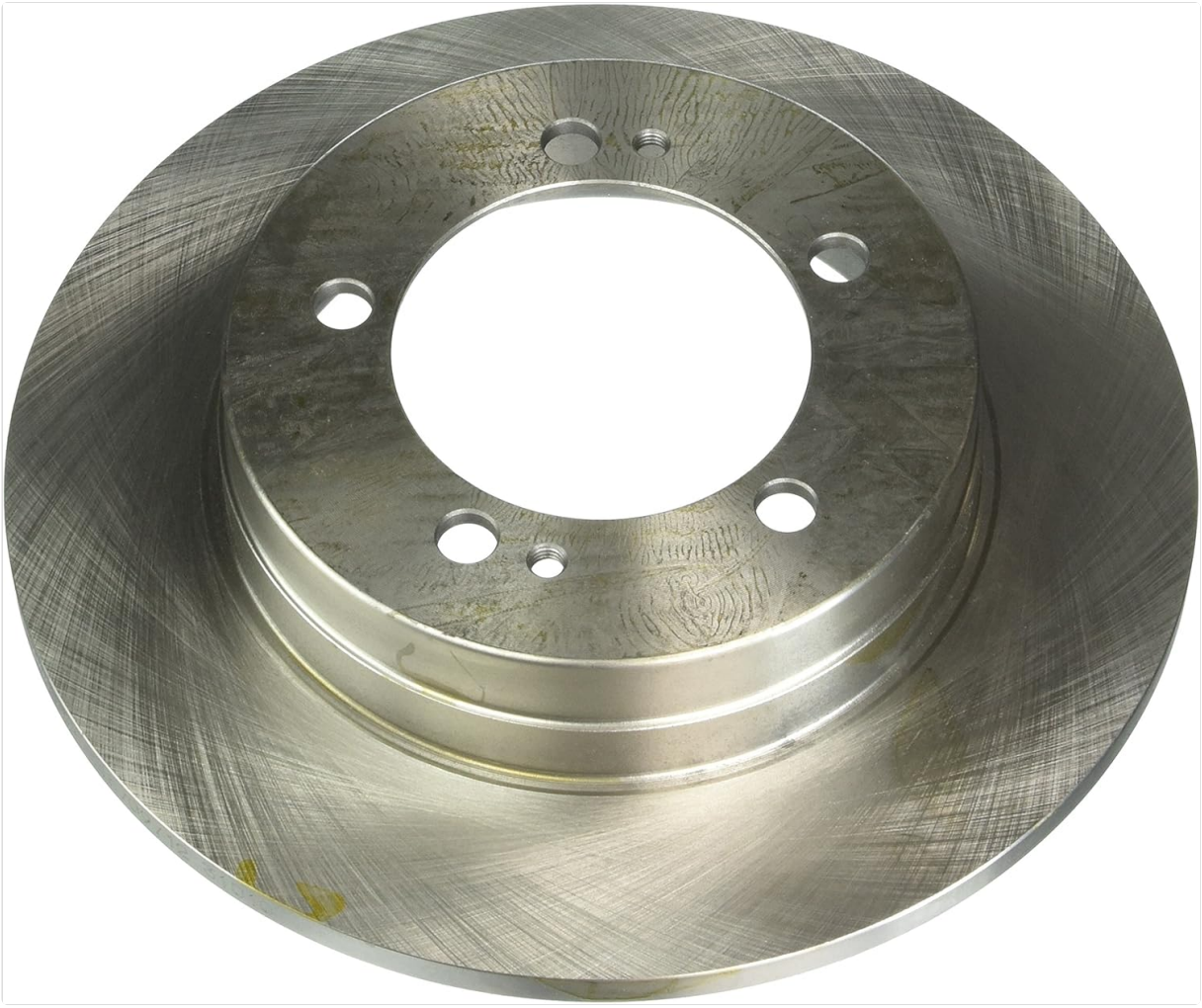

Image: The Parts Master 61971 Rear Brake Rotor, showing its metallic surface and central hub with bolt holes. This component is essential for the vehicle's braking system.

2. Specifications

Below are the key specifications for the Parts Master 61971 Rear Brake Rotor:

Feature	Detail
Manufacturer	Parts Master
Brand	Parts Master
Item Weight	8.73 pounds
Package Dimensions	11.1 x 10.8 x 2.2 inches
Item Model Number	61971
Manufacturer Part Number	61971
ASIN	B0076HUGVS
Date First Available	February 7, 2012
UPC	756632105865

3. Installation

Installation of brake components requires specialized knowledge and tools. It is highly recommended that the Parts Master 61971 Rear Brake Rotor be installed 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 work under a vehicle supported only by a jack.
- Refer to your vehicle's service manual for specific torque specifications and procedures.
- Keep brake fluid away from painted surfaces as it can damage paint.

General Installation Steps (Consult Service Manual for Details):

1. Safely lift and support the vehicle, then remove the wheel.
2. Remove the brake caliper and support it without straining the brake hose.
3. Remove the old brake rotor.
4. Clean the wheel hub surface thoroughly to ensure proper seating of the new rotor.
5. Install the new Parts Master 61971 Rear Brake Rotor, ensuring it sits flush against the hub.
6. Reinstall the brake caliper and brake pads (it is recommended to replace pads when replacing rotors).
7. Torque all fasteners to the manufacturer's specifications.
8. Reinstall the wheel and lower the vehicle.
9. Pump the brake pedal several times to ensure the brake pads are seated against the rotor before driving.
10. Perform a test drive in a safe area to confirm proper brake operation.

4. Maintenance

Proper maintenance of your braking system is crucial for safety and longevity. While brake rotors are wear items, regular inspection can help identify issues early.

Recommended Maintenance Practices:

- **Regular Inspection:** Have your brake system, including rotors, pads, and calipers, inspected by a qualified technician at least once a year or every 12,000 miles (20,000 km), or as recommended by your vehicle manufacturer.
- **Brake Pad Replacement:** Always replace brake pads when they are worn down to their minimum thickness. It is often recommended to replace rotors when replacing pads to ensure optimal braking performance and prevent premature wear on new pads.
- **Rotor Condition:** Look for signs of excessive wear, deep grooves, cracks, or warping on the rotor surface. If any of these are present, the rotor should be replaced.
- **Brake Fluid:** Check brake fluid level and condition regularly. Replace brake fluid according to your vehicle manufacturer's recommendations.
- **Cleaning:** Keep brake components free from excessive dirt, rust, and debris.

5. Troubleshooting Common Brake Issues

If you experience any of the following symptoms, it may indicate an issue with your braking system,

including the rotors. Always consult a qualified technician for diagnosis and repair.

- **Vibration or Pulsation During Braking:** This often indicates warped brake rotors. The rotor surface may have uneven thickness, causing the brake pedal to pulsate when applied.
- **Squealing or Grinding Noises:** Squealing can indicate worn brake pads or glazed rotors. Grinding usually means metal-on-metal contact, indicating severely worn pads that are damaging the rotors.
- **Increased Stopping Distance:** Reduced braking effectiveness can be due to worn pads, contaminated rotors, or issues with the hydraulic system.
- **Steering Wheel Shake:** Similar to pulsation, this can be caused by warped front rotors.
- **Burning Smell:** A burning smell after braking can indicate overheated brakes, possibly due to dragging calipers or excessive braking.

Do not attempt to repair complex brake issues yourself unless you are a certified mechanic with the proper tools and training. Brake system integrity is paramount for vehicle safety.

6. Warranty and Support

For specific warranty information regarding the Parts Master 61971 Rear Brake Rotor, please refer to the documentation provided with your purchase or contact Parts Master directly. Warranty terms typically cover manufacturing defects but do not cover normal wear and tear or damage due to improper installation or misuse.
For technical support or inquiries, please contact the retailer from whom you purchased the product or the manufacturer, Parts Master.
Parts Master Contact Information: Please refer to the official Parts Master website or product packaging for the most current contact details.