

Genuine 1028AMZ2249

Genuine Rear Disc Brake Rotor User Manual

Model: 1028AMZ2249

1. INTRODUCTION

This manual provides essential information for the proper installation, function, and maintenance of your Genuine Rear Disc Brake Rotor, Model 1028AMZ2249. This product is an Original Equipment Manufacturing (OEM) replacement part, designed to match the specifications of the original component in your vehicle. Please read this manual thoroughly before installation and use to ensure safety and optimal performance.

2. PRODUCT OVERVIEW

The Genuine Rear Disc Brake Rotor is engineered for reliable braking performance. Key features include:

- **Solid Construction:** Each rotor is built with robust materials to ensure durability.
- **Vented Design:** Designed to dissipate heat evenly and efficiently, preventing brake fade.
- **Precision Machining:** Manufactured with precision to provide optimum brake performance and a smooth braking experience.
- **Quality Assurance:** Assembled and carefully tested to endure rigorous road conditions, ensuring long-term reliability.



Figure 1: Genuine Rear Disc Brake Rotors. The image displays two brake rotors, highlighting their design and construction.

3. SAFETY INFORMATION

WARNING: Improper installation or maintenance of brake components can lead to serious injury or death. Always consult a qualified automotive technician for installation and service.

- Wear appropriate personal protective equipment (PPE) such as safety glasses and gloves when handling automotive parts.
- Ensure the vehicle is securely supported on jack stands before working underneath it.
- Never work on a hot braking system. Allow components to cool completely.
- Use only specified tools and follow manufacturer's torque specifications.
- Keep children and pets away from the work area.
- Dispose of old brake components and fluids responsibly according to local regulations.

4. SETUP AND INSTALLATION

Installation of brake rotors requires specialized knowledge and tools. It is highly recommended that this procedure be performed by a certified automotive technician.

General Installation Steps (for reference only; consult service manual for specific vehicle):

1. **Preparation:** Park the vehicle on a level surface, engage the parking brake, and block the wheels. Loosen lug nuts on the wheel to be serviced.
2. **Lift Vehicle:** Safely lift the vehicle and support it with jack stands. Remove the wheel.
3. **Remove Caliper:** Unbolt and carefully remove the brake caliper, supporting it to avoid stressing the brake hose. Do not let the caliper hang by the brake hose.
4. **Remove Old Rotor:** Remove any retaining screws or clips, then slide the old brake rotor off the wheel hub.
5. **Clean Hub:** Thoroughly clean the wheel hub surface to ensure proper seating of the new rotor. Remove any rust or debris.
6. **Install New Rotor:** Place the new Genuine Rear Disc Brake Rotor onto the wheel hub, ensuring it sits flush.
7. **Reinstall Caliper:** Reinstall the brake caliper, ensuring all bolts are tightened to the manufacturer's

specified torque. Replace brake pads if necessary.

- 8. **Bleed Brakes (if necessary):** If the brake system was opened, bleed the brakes according to the vehicle manufacturer's procedure.
- 9. **Reinstall Wheel:** Reinstall the wheel and hand-tighten lug nuts. Lower the vehicle and torque lug nuts to specifications.
- 10. **Break-in Procedure:** Follow the recommended brake pad and rotor break-in procedure to ensure optimal performance and longevity.

5. OPERATING FUNCTION

The disc brake rotor is a critical component of your vehicle's braking system. When the brake pedal is pressed, hydraulic pressure forces the brake caliper to clamp the brake pads against the rotor. This friction converts the vehicle's kinetic energy into heat, slowing and stopping the vehicle. The vented design of the Genuine rotor helps to dissipate this heat efficiently, maintaining consistent braking performance and preventing overheating under normal driving conditions.

6. MAINTENANCE

Regular inspection and maintenance of your braking system are crucial for safety and performance. It is recommended to have your brakes inspected by a qualified technician at least once a year or every 12,000 miles, whichever comes first.

- **Rotor Inspection:** Check rotors for signs of wear, such as scoring, cracks, or excessive rust. Rotors have a minimum thickness specification; replace if worn beyond this limit.
- **Brake Pad Inspection:** Always inspect and replace brake pads when installing new rotors. Worn or unevenly worn pads can damage new rotors.
- **Brake Fluid:** Check brake fluid level and condition regularly. Replace fluid according to vehicle manufacturer recommendations.
- **Caliper Function:** Ensure brake calipers are moving freely and not seized.
- **Noise and Vibration:** Address any unusual brake noises (squealing, grinding) or vibrations immediately. These can indicate a problem with the braking system.

7. TROUBLESHOOTING

If you experience any issues with your braking system, it is best to consult a professional mechanic. Below are common symptoms and potential causes related to brake rotors:

Symptom	Possible Cause
Vibration or Pulsation during Braking	Warped or unevenly worn rotors, improper rotor installation, or worn wheel bearings.
Squealing or Grinding Noise	Worn brake pads (metal-on-metal), foreign object lodged in caliper, or glazed rotors.
Reduced Braking Performance	Overheated rotors, worn pads, air in brake lines, or contaminated brake fluid.
Brake Pedal Feels Soft or Spongy	Air in brake lines, low brake fluid, or faulty master cylinder.

Do not attempt to repair complex brake issues yourself unless you are a qualified technician. Always prioritize safety.

8. SPECIFICATIONS

Attribute	Detail
Brand	Genuine
Model Number	1028AMZ2249
Part Number	1028AMZ2249
Position	Rear
Item Weight	9.1 ounces
Package Dimensions	17.96 x 14.16 x 10.02 inches
UPC	826732227948

9. WARRANTY AND SUPPORT

For specific warranty information regarding your Genuine Rear Disc Brake Rotor, please refer to the documentation provided with your purchase or contact the retailer. Genuine replacement products are designed to meet OEM standards, and any warranty claims should be directed to the point of purchase or the manufacturer's authorized service center.

For technical support or further assistance, please contact Genuine customer service or visit their official website. Always provide your model number (1028AMZ2249) and purchase details when seeking support.