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› NICHE Rear Brake Rotor Instruction Manual

NICHE 519-CRT2276R

NICHE Rear Brake Rotor Instruction Manual

MODEL: 519-CRT2276R

1. Product Overview

The NICHE Rear Brake Rotor is a high-quality replacement component designed for specific Honda motorcycle models. This rotor is engineered to provide reliable braking performance, serving as a critical part of your motorcycle's braking system. It is designed to meet or exceed original equipment quality standards, ensuring proper fit and function.

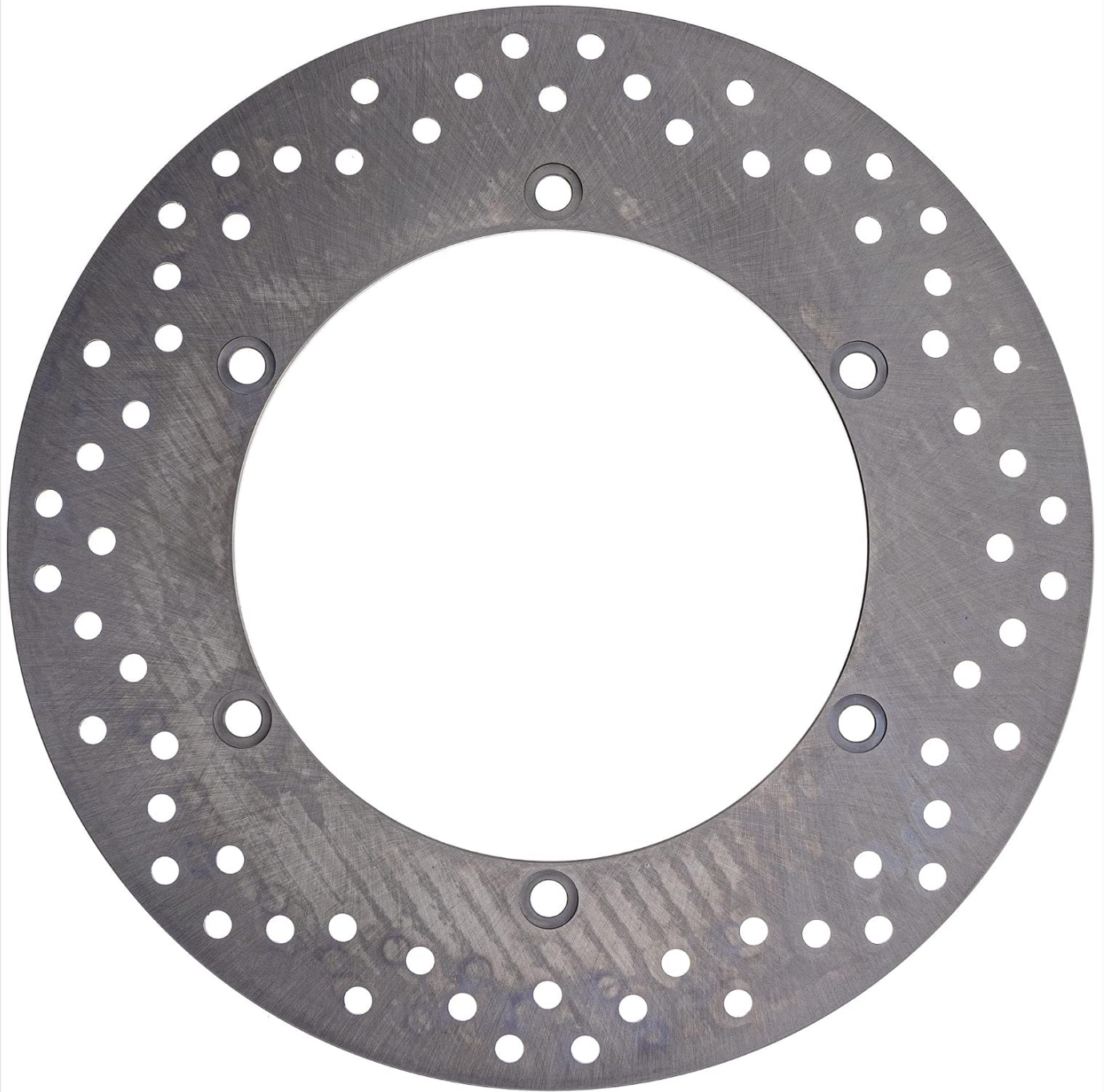


Image 1.1: Front view of the NICHE Rear Brake Rotor, showcasing its perforated design and polished finish.

2. Safety Information

WARNING: Cancer and Reproductive Harm. For more information, visit www.P65Warnings.ca.gov.

Brake system components are critical for vehicle safety. Improper installation or maintenance can lead to serious injury or death. It is **strongly recommended** that brake rotors and related parts be changed by a certified technician. Failure to do so may result in fatal issues and void any warranty or legal implications from NICHE Industries Inc.

For optimum performance and reliability, it is recommended to change brake rotors in pairs (front or rear).



BRAKE ROTOR

ORIGINAL EQUIPMENT QUALITY



It is recommended to change rotors in pairs (front or back) for optimum performance and reliability. Rotors & brake-related parts should be changed by a certified technician only, as per the instructions provided by your manufacturer. Failure to do so may result in fatal issues and voids warranty or any legal implications for NICHE Industries Inc.



WARNING: Cancer and Reproductive Harm.
www.P65Warnings.ca.gov

niche-industries.com

DESIGNED FOR POWERSPORTS

Image 2.1: Packaging for the NICHE Brake Rotor, highlighting the safety warning and recommendation for professional installation.

3. Compatibility

This NICHE Rear Brake Rotor is compatible with the following Honda motorcycle models and OEM part numbers:

- **OEM Part Numbers:** Honda 43251-MBY-671, 43251-MCH-003
- **Compatible Honda Models:**
 - 1999-2003 Valkyrie 1500
 - 2002-2003 VTX1800R
 - 2004-2007 VTX1800R1, VTX1800R2, VTX1800R3
 - 2002-2004 VTX1800C
 - 2005-2007 VTX1800C1

- 2005-2006 VTX1800C2, VTX1800C3
- 2005-2008 VTX1800F1, VTX1800F2, VTX1800F3
- 2004-2008 VTX1800N1, VTX1800N2, VTX1800N3
- 2007-2008 VTX1800T1, VTX1800T2, VTX1800T3

4. Components Included

The package for the NICHE Rear Brake Rotor includes:

- (1) NICHE Rear Brake Rotor



Image 4.1: The NICHE Brake Rotor displayed on its branded packaging, indicating the single rotor included.

5. Installation (Setup)

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

General Installation Steps (for reference only - consult service manual):

1. Safely lift and secure the motorcycle to allow access to the rear wheel.
2. Remove the rear wheel assembly from the motorcycle.
3. Carefully remove the old brake rotor from the wheel hub. Note the orientation and any spacers.
4. Thoroughly clean the wheel hub mounting surface to ensure no debris interferes with the new rotor's seating.
5. Install the new NICHE Rear Brake Rotor onto the wheel hub, ensuring proper alignment with the mounting holes.
6. Secure the rotor using the appropriate fasteners. Apply thread-locking compound if specified by the motorcycle manufacturer.
7. Torque all fasteners to the motorcycle manufacturer's specifications using a calibrated torque wrench. **Do not overtighten or undertighten.**
8. Reinstall the rear wheel assembly onto the motorcycle, ensuring all components are correctly seated and torqued.
9. Before riding, pump the brake lever/pedal several times to ensure the brake pads are properly seated against the new rotor and brake pressure is restored.
10. Perform a test ride in a safe area at low speed to verify proper brake function.

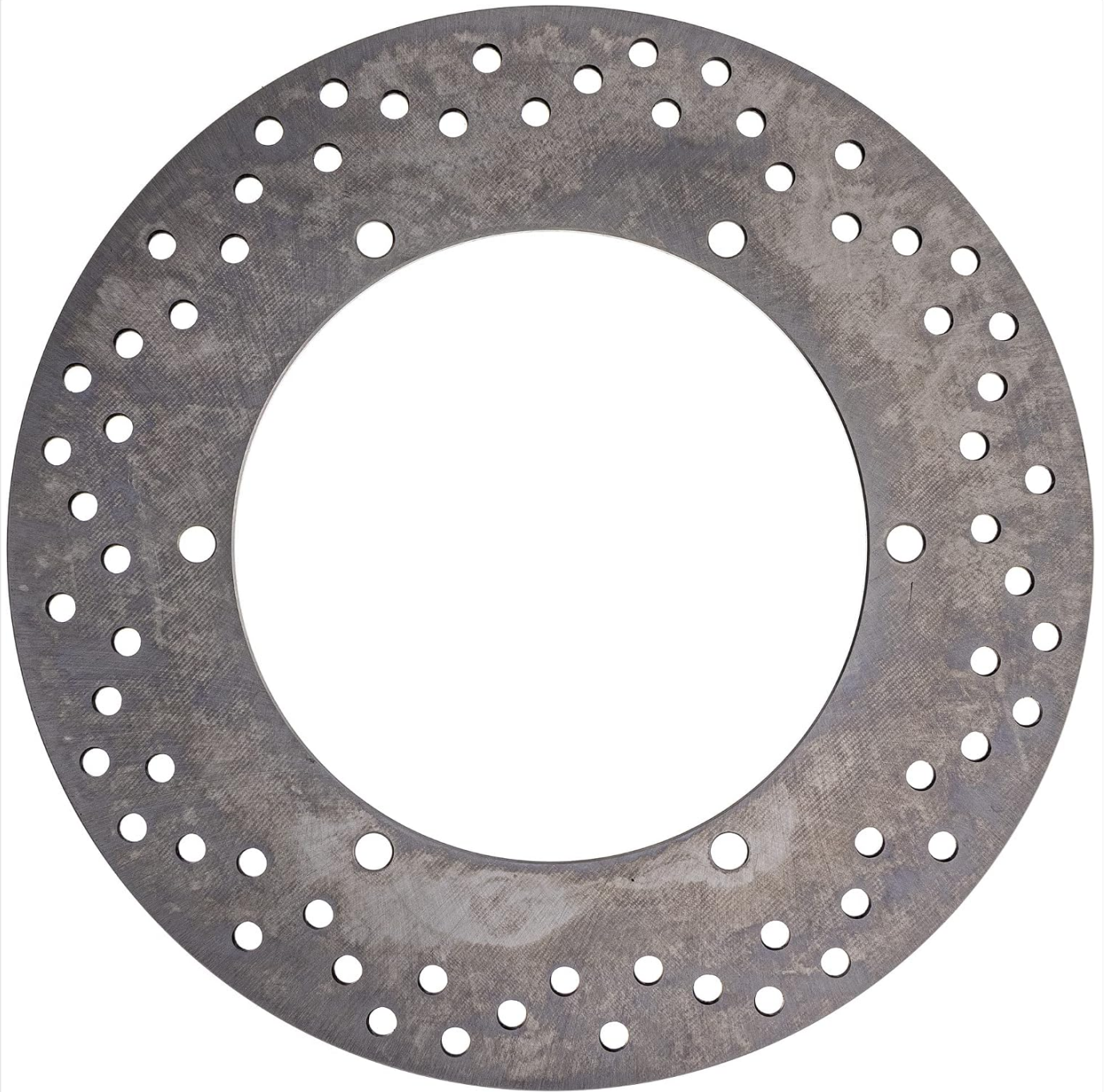


Image 5.1: A detailed view of the NICHE Rear Brake Rotor, showing the precision-drilled holes and surface finish, important for proper installation.

6. Functionality

The brake rotor is a crucial component of a motorcycle's disc brake system. When the brake lever or pedal is applied, hydraulic pressure forces the brake pads to clamp onto the rotor. The friction generated between the pads and the spinning rotor converts the kinetic energy of the motorcycle into heat, thereby slowing or stopping the vehicle. The design of this rotor, including its material and profile, is optimized for effective heat dissipation and consistent braking performance under various riding conditions.



Image 6.1: An angled perspective of the NICHE Rear Brake Rotor, illustrating its full circular form and the pattern of ventilation holes.

7. Maintenance

Regular inspection and maintenance of your brake system are essential for safety and longevity. Follow your motorcycle manufacturer's recommended service intervals.

Maintenance Tips:

- **Visual Inspection:** Regularly check the rotor surface for signs of wear, scoring, cracks, or discoloration. Any deep grooves or uneven wear indicate a need for replacement.
- **Cleanliness:** Keep the rotor clean and free from oil, grease, or brake fluid. Use a dedicated brake cleaner if necessary.
- **Pad Wear:** Inspect brake pads for wear. Worn pads can damage the rotor. Always replace pads when installing a new rotor.
- **Minimum Thickness:** Rotors have a minimum thickness specification. If the rotor wears below this limit, it must be replaced. Refer to the specifications section and your motorcycle's service manual.



Image 7.1: A close-up view of the NICHE Rear Brake Rotor's surface, showing the texture and drilled holes, which are important to inspect

for wear during maintenance.

8. Common Issues and Considerations

While this rotor is designed for compatibility, it is crucial to verify all specifications against your motorcycle's requirements, especially rotor thickness.

- **Rotor Thickness:** This NICHE rotor has an Outer Diameter of 316mm and a Thickness of 5mm. Some OEM specifications for VTX 1800 models may call for a 6mm thickness. Ensure that a 5mm thickness is compatible with your specific caliper engagement and motorcycle model year before installation. Using a rotor with incorrect thickness can lead to improper caliper function, reduced braking efficiency, and potential safety hazards.
- **Brake Noise:** New rotors and pads may require a break-in period. If excessive noise persists, ensure proper installation, clean components, and check for any foreign objects.
- **Vibration:** Vibrations during braking can indicate warped rotors, uneven pad wear, or loose components. Professional inspection is recommended.

9. Specifications

Attribute	Value
Brand	NICHE
Model Number	519-CRT2276R
OEM Part Number	43251-MBY-671, 43251-MCH-003 (Honda)
UPC	803467020396
Material	Metal
Exterior Finish	Polished
Position	Rear
Rotor Profile	Plain
Outer Diameter	316mm
Thickness	5mm
Item Weight	4.4 pounds
Product Dimensions	13.8 x 13.8 x 0.5 inches

10. Warranty and Support

NICHE Industries offers a **2-Year Warranty** on this product. For specific warranty terms and conditions, please refer to the official NICHE Industries website or contact their customer support directly.

For technical assistance, compatibility questions, or warranty claims, please contact NICHE Industries customer support through their official channels. Always provide your product model number (519-CRT2276R) and purchase details when seeking support.



Image 10.1: NICHE Industries 2-Year Warranty emblem, indicating product coverage.

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This manual is for informational purposes only. Always consult a certified professional for installation and maintenance.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question