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Bridgestone M403

Bridgestone M403 Motocross Front Tire Instruction Manual

MODEL: M403 (PART No. 107806)

Introduction

This manual provides essential information for the proper installation, use, and maintenance of your Bridgestone M403 Motocross Front Tire. The M403 is a race-proven front motocross tire specifically designed for optimal performance on intermediate terrain. Adhering to these guidelines will help ensure the longevity and performance of your tire.

Included in the Box:

- 1 x Bridgestone M403 Motocross Front Tire (Part No. 107806)

Setup

Proper setup is crucial for tire safety and performance. If you are unsure about any step, consult a qualified professional.

1. Tire Mounting

It is highly recommended that tire mounting be performed by a professional technician using appropriate tools and safety procedures. Incorrect mounting can lead to tire damage, wheel damage, or serious injury.

- Ensure the wheel rim is clean and free of burrs or damage.
- Lubricate the tire beads and rim flanges with a suitable tire mounting lubricant.
- Mount the tire according to the directional arrow on the sidewall, if present.
- Inflate the tire slowly, ensuring both beads seat properly on the rim. Do not exceed the maximum seating pressure indicated on the tire sidewall.

2. Inflation Pressure

Correct tire pressure is vital for handling, traction, and tire life. Refer to your motorcycle's owner's manual for recommended tire pressures. Pressure may vary based on rider weight, terrain, and riding style.

- Always check tire pressure when tires are cold.
- Use a reliable pressure gauge.
- Adjust pressure as needed for specific riding conditions. Lower pressures may be used for softer

terrain to increase contact patch, but never below manufacturer's minimum recommendations.

3. Break-in Period

New tires require a break-in period to achieve optimal grip. Ride cautiously for the first 50-100 miles (80-160 km) to allow the tire surface to scuff in and any mold release agents to wear off. Avoid aggressive acceleration, braking, and cornering during this period.

Operating

The Bridgestone M403 is engineered for specific motocross applications. Understanding its characteristics will enhance your riding experience.

1. Terrain Suitability

The M403 is designed as a front motocross tire for **intermediate terrain**. This includes conditions with a mix of hard-packed and loose dirt, light mud, and varied surfaces. Its tread pattern provides a balance of grip and clean-out capabilities.

2. Performance Characteristics

- **Traction:** The aggressive knob pattern provides strong forward and cornering traction on intermediate surfaces.
- **Handling:** Designed to offer precise steering response and stability, crucial for motocross control.
- **Durability:** Constructed to withstand the rigors of off-road riding, offering good resistance to punctures and cuts under normal use.

3. Riding Tips

- Always wear appropriate safety gear when riding.
- Regularly inspect your tires before and after each ride for damage or wear.
- Adjust your riding style and speed to suit the terrain and tire capabilities.

Maintenance

Regular maintenance extends the life of your tire and ensures safe operation.

1. Regular Inspection

- **Tread Wear:** Check the tread depth regularly. Replace the tire when the tread is worn down to the wear indicators (small raised bars in the tread grooves) or when traction significantly diminishes.
- **Damage:** Inspect for cuts, punctures, cracks, bulges, or embedded foreign objects. Any significant damage warrants immediate tire replacement.
- **Sidewall Integrity:** Look for any signs of cracking or damage on the sidewalls.
- **Pressure:** Maintain correct inflation pressure as described in the Setup section.

2. Cleaning

After riding, especially in muddy conditions, clean the tire to remove dirt, mud, and debris. This prevents build-up that can hide damage and helps maintain the tire's appearance and performance.

- Use water and a mild soap solution.
- Avoid harsh chemicals or petroleum-based cleaners, which can degrade rubber.
- Rinse thoroughly and allow to air dry.

3. Storage

When storing your motorcycle or spare tires for extended periods:

- Store tires in a cool, dry, dark place away from direct sunlight, heat sources, and ozone-generating equipment (e.g., electric motors).
- Keep tires away from chemicals, solvents, and fuels.
- If storing the motorcycle, lift the wheels off the ground to prevent flat spots.

Troubleshooting

This section addresses common issues you might encounter with your motocross tire.

1. Uneven Tread Wear

- **Cause:** Incorrect tire pressure, improper suspension setup, aggressive riding style, or wheel imbalance.
- **Solution:** Verify and adjust tire pressure. Check suspension settings. Consider professional wheel balancing. Adjust riding style.

2. Loss of Traction / Poor Handling

- **Cause:** Incorrect tire pressure, worn-out tread, unsuitable terrain for the tire, or suspension issues.
- **Solution:** Check and adjust tire pressure. Inspect tread for wear and replace if necessary. Ensure tire is appropriate for current terrain. Have suspension checked by a professional.

3. Puncture or Damage

- **Cause:** Riding over sharp objects, impact with obstacles.
- **Solution:** Immediately stop riding. Inspect the tire for damage. Small punctures in the tread area might be repairable by a professional, but sidewall damage or large punctures typically require tire replacement. Never attempt to repair a tire that has been ridden flat.

Specifications

Key technical specifications for the Bridgestone M403 Motocross Front Tire:

Specification	Value
Brand	Bridgestone
Model	M403
Part Number	107806
Size	60/100-14 (Front)
Section Width	60 Millimeters
Rim Width	14 Inches
Tread Type	Asymmetrical
Construction Type	Bias
Item Weight	3.2 Pounds

Specification	Value
UPC	092971166755

Product Images



Full view of the Bridgestone M403 Motocross Front Tire, showcasing its overall design and tread pattern.



Angled view of the Bridgestone M403 tire, highlighting the aggressive knob design and sidewall branding.







Close-up view of the Bridgestone M403 tire's tread blocks, showing the detailed pattern designed for intermediate terrain.

Warranty Information

Bridgestone tires are manufactured to high-quality standards. For specific warranty terms and conditions, please refer to the official Bridgestone website or contact Bridgestone customer service. Typically, warranties cover manufacturing defects for a specified period or tread life, but do not cover damage from improper installation, misuse, road hazards, or racing applications.

Support

For further assistance, technical support, or inquiries regarding your Bridgestone M403 Motocross Front Tire, please contact Bridgestone directly through their official customer support channels. You can typically find contact information, FAQs, and additional resources on the Bridgestone website.

Bridgestone Official Website: www.bridgestone.com

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