Micro Traders SP|592

Micro Traders Resin Semi-Metallic Bike Disc Brake Pads User Manual

Model: SP|592

1. Introduction

Thank you for choosing Micro Traders Resin Semi-Metallic Bike Disc Brake Pads. These pads are designed to provide reliable braking performance for your bicycle. This manual contains important information regarding the installation, operation, and maintenance of your new brake pads. Please read it thoroughly before installation and keep it for future reference.

Image 1.1: Micro Traders Resin Semi-Metallic Bike Disc Brake Pads. These pads offer a balance of braking power and durability for various cycling conditions.

2. Compatibility

These disc brake pads are compatible with the following brake systems:

- Promax DSK-310
- Promax 710
- Promax 715
- Promax 717
- Promax 720
- Promax 913
- Sram Avid BB5

Always verify the shape and size of these brake pads against your existing pads before installation to ensure proper fitment.

3. Package Contents

Each package contains the following items:

- 2 Pairs of Resin Semi-Metallic Disc Brake Pads (4 individual pads)
- 2 Springs for brake caliper mounting

This provides a complete set for one brake caliper, with an extra pair for convenient replacement.

4. Setup (Installation)

Proper installation is crucial for safe and effective braking. If you are unsure about any step, consult a professional bicycle mechanic.

Required Tools:

- Hex wrenches (sizes may vary depending on your brake caliper)
- Flathead screwdriver (for spring removal/installation)
- Clean rags
- Isopropyl alcohol (for cleaning rotors)

Installation Steps:

1. **Prepare the Bicycle:** Secure your bicycle in a repair stand or upside down. Engage the brake lever to ensure the wheel is stable.
2. **Remove the Wheel:** Carefully remove the wheel from the bicycle frame.
3. **Remove Old Brake Pads:** Locate the retaining pin or bolt that holds the brake pads in the caliper. Remove it using the appropriate tool. Carefully pull out the old brake pads and the spring. Note their orientation.
4. **Clean the Caliper:** Use a clean rag to wipe away any dust or debris from inside the brake caliper. Avoid using lubricants.
5. **Compress Pistons:** Gently push the brake caliper pistons back into their housing using a plastic tire lever or a specialized piston press tool. This creates space for the new, thicker pads.
6. **Install New Pads and Spring:** Place the new spring between the two new brake pads, ensuring the spring arms sit correctly in the pad grooves. Insert the assembled pads and spring into the brake caliper, matching the orientation of the old pads.
7. **Secure Pads:** Reinsert the retaining pin or bolt and tighten it securely.
8. **Reinstall Wheel:** Mount the wheel back onto the bicycle frame, ensuring it is properly seated and secured.
9. **Adjust Caliper (if necessary):** Spin the wheel and check for any rubbing. If the pads rub against the rotor, loosen the caliper mounting bolts slightly, squeeze the brake lever firmly, and retighten the bolts while holding the lever. This centers the caliper.
10. **Test Brakes:** Before riding, pump the brake lever several times until it feels firm. Test the brakes at a slow speed in a safe area.

Image 4.1: A single Micro Traders Resin Semi-Metallic Bike Disc Brake Pad. Observe the semi-metallic compound surface and the attachment point for the retaining pin.

5. Operating

Brake Pad Break-in Period:

New brake pads require a break-in period to achieve optimal performance. During this period, the pad material transfers to the rotor surface, creating a more consistent braking surface.

- Perform approximately 20-30 moderate stops from a speed of about 15-20 mph (25-30 km/h).
- Avoid hard braking during the initial break-in.
- Allow the brakes to cool between stops.

After the break-in period, you will notice improved braking power and modulation.

Braking Characteristics:

These resin semi-metallic pads are designed for:

- **Good Braking Power:** Provides effective stopping force.
- **Low Noise:** Resin compounds generally produce less noise compared to metallic pads.
- **Good Controllability:** Offers predictable and manageable braking force.
- **Heat Dissipation:** Contains copper fiber to aid in heat dissipation and wear resistance.

6. Maintenance

Regular inspection and maintenance will prolong the life of your brake pads and ensure safe riding.

Inspection:

- **Pad Wear:** Regularly check the thickness of the brake pad material. Replace pads when the friction material is worn down to approximately 0.5mm or less, or if you notice the metal backing plate making contact with the rotor.
- **Rotor Condition:** Inspect your brake rotors for excessive wear, warping, or contamination (oil, grease). Clean rotors with isopropyl alcohol if contaminated.
- **Brake Fluid:** For hydraulic disc brakes, check your brake fluid level and condition according to your brake manufacturer's recommendations.

Replacement:

Replace brake pads regularly, especially if you ride frequently or in challenging conditions. Worn pads can lead to reduced braking performance and damage to your rotors.

7. Troubleshooting

Here are some common issues and their potential solutions:

Issue	Possible Cause	Solution
Squealing/Noisy Brakes	Contaminated pads/rotor, misaligned caliper, worn pads, improper break-in.	Clean rotor with isopropyl alcohol. Realign caliper. Replace worn pads. Ensure proper break-in.
Reduced Braking Power	Contaminated pads/rotor, air in hydraulic system (for hydraulic brakes), worn pads, improper break-in.	Clean rotor/pads. Bleed hydraulic brakes (professional service recommended). Replace worn pads. Complete break-in procedure.
Brake Rubbing	Misaligned caliper, bent rotor, sticky piston.	Realign caliper. True bent rotor (professional service recommended). Clean and lubricate pistons (consult brake manufacturer's guide).

If you cannot resolve an issue, consult a professional bicycle mechanic.

8. Specifications

Detailed specifications for the Micro Traders Resin Semi-Metallic Bike Disc Brake Pads:

- **Brand:** Micro Traders
- **Model Number:** SP|592
- **Material:** Semi-metallic, Resin with Copper Fiber
- **Thickness:** Approximately 4mm (friction material)
- **Brake Type:** Disc Brakes
- **Number of Pieces:** 4 (2 pairs)
- **Color:** Black
- **Bike Type Compatibility:** Mountain Bike, Road Bike (with compatible brake systems)

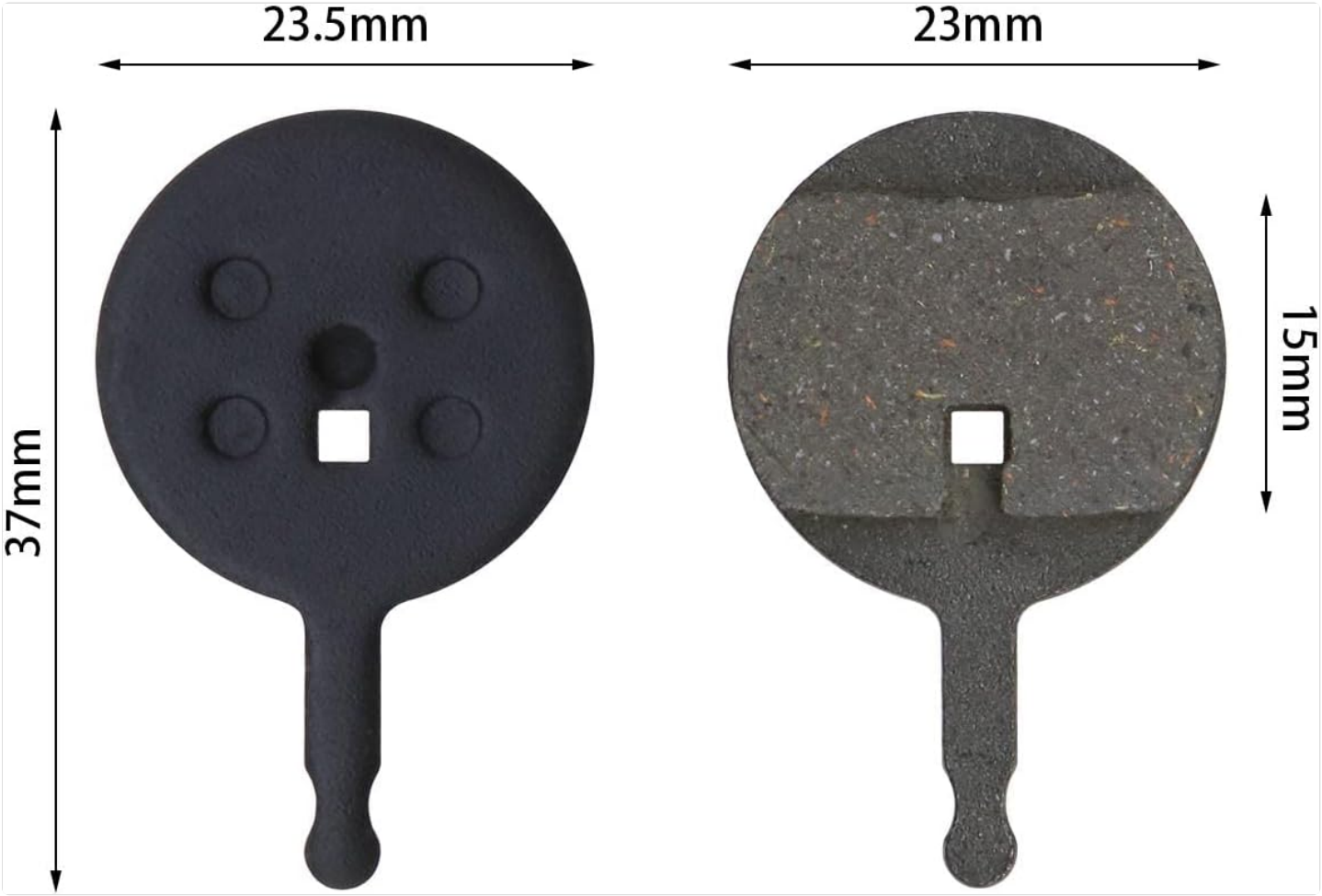

Image 8.1: Dimensional diagram of the brake pads. Key measurements include 37mm total length, 23.5mm width for the backing plate, and 15mm height for the friction material.

9. Warranty

This product comes with a **1-year warranty** from the date of purchase. The warranty covers manufacturing defects. It does not cover wear and tear from normal use, improper installation, or damage due to misuse or accidents. Please retain your proof of purchase for warranty claims.

10. Support

For further assistance, technical support, or warranty inquiries, please contact Micro Traders customer service through the retailer where the product was purchased. Provide your model number (SP|592) and a detailed description of your issue for efficient support.