**1PZ SH7-N2B**

# 1PZ 8.5 Inch Solid Tire Rear Wheel with 110mm Brake Disk Instruction Manual

Model: SH7-N2B

## 1. Introduction

This instruction manual provides essential information for the proper installation, usage, and maintenance of your 1PZ 8.5 Inch Solid Tire Rear Wheel with 110mm Brake Disk. Please read this manual thoroughly before installation and use to ensure safe and optimal performance. This product is designed as a replacement part for compatible electric scooters.

## 2. Product Overview

The 1PZ 8.5 Inch Solid Tire Rear Wheel is engineered for durability and performance. It features a solid rubber construction, eliminating the need for inflation and reducing the risk of punctures. The integrated 110mm brake disk ensures reliable stopping power. The tire's honeycomb pattern is designed to provide shock absorption and pressure resistance.




Image 2.1: The 1PZ 8.5 Inch Solid Tire Rear Wheel, showing the integrated 110mm brake disk and the solid rubber tire construction.




Image 2.2: Close-up view of the solid tire's tread pattern and the brake disk, highlighting the detailed construction.




Image 2.3: Illustration of the honeycomb design within the solid tire, contributing to its shock-absorbing and cushioning performance.

## 3. Compatibility

This 1PZ 8.5 Inch Solid Tire Rear Wheel with 110mm Brake Disk is designed as a direct replacement for the following electric scooter models:

- Xiaomi M365 Pro
- Xiaomi M365 Pro2
- Xiaomi Mijia1s
- Gotrax GXL V2
- Gotrax XR GL2
- Gotrax Rival
- Gotrax APEX MAX
- Hiboy S2 V2

**Important: Please confirm your scooter model and existing wheel specifications before purchase and installation to ensure proper fitment.**

## 4. Specifications

| Feature | Specification |
|---|---|
| Brand | 1PZ |
| Model Number | SH7-N2B |
| Wheel Size | 8.5 Inches |
| Item Diameter | 8.5 Inches |
| Rim Size | 8.5 Inches |
| Rim Width | 2 Inches |
| Material | High-Quality Rubber |
| Exterior Finish | Alloy Steel (for hub/disk components) |
| Item Weight | 1553 Grams |
| Brake Disk Diameter | 110mm |
| Color | Black |
| Compatible Vehicle Type | Electric Scooter |

## 5. Package Contents

The package includes:

- 1x 1PZ 8.5 Inch Solid Tire Rear Wheel with 110mm Brake Disk

## 6. Installation Guide

**Safety Warning: Installation of scooter parts can be complex. If you are not confident in your mechanical abilities, it is highly recommended to seek professional assistance from a qualified technician to avoid damage to the product or injury.**
The following steps provide a general overview for replacing a rear wheel on an electric scooter. Specific procedures may vary by scooter model.

1. **Prepare the Scooter:** Ensure the scooter is powered off and placed on a stable surface. Disconnect the battery if possible, or take other precautions to prevent accidental power-on.
2. **Access the Rear Wheel:** Depending on your scooter model, you may need to remove fender covers or other components to gain full access to the rear wheel assembly.
3. **Disconnect Brake Caliper:** Carefully unbolt the brake caliper from its mounting bracket. Do not disconnect the brake line. Allow the caliper to hang freely or secure it to the frame to prevent damage.
4. **Remove Axle Nuts:** Loosen and remove the nuts securing the wheel axle. Note the order and position of any

washers or spacers.

5. **Remove Old Wheel:** Carefully slide the old wheel off the axle. Be mindful of any cables (e.g., motor cable if it's a motor wheel) that might be connected. This 1PZ wheel is a rear wheel with a brake disk, implying it's a non-motorized wheel for the rear.
6. **Install New Wheel:** Slide the new 1PZ solid tire rear wheel onto the axle, ensuring all spacers and washers are correctly positioned. The brake disk should align with the brake caliper mounting points.
7. **Secure Axle Nuts:** Reinstall and tighten the axle nuts to the manufacturer's specified torque.
8. **Reattach Brake Caliper:** Reinstall the brake caliper onto its mounting bracket, ensuring it is properly aligned with the new brake disk. Tighten the caliper bolts securely.
9. **Test Brakes:** Before riding, manually spin the wheel and apply the brake lever to ensure the brake engages smoothly and effectively without rubbing. Adjust the brake caliper if necessary.
10. **Reassemble Scooter:** Reattach any covers or components removed earlier.




Image 6.1: The 1PZ 8.5 Inch Solid Tire Rear Wheel correctly installed on an electric scooter, showing its integration with the scooter's frame and brake system.

## 7. Usage Considerations

Solid tires offer significant advantages such as puncture resistance and zero maintenance for inflation. However, it is important to be aware of their characteristics:

- **Puncture-Proof:** The solid rubber construction eliminates the risk of flats from punctures.
- **Durability:** Designed for long-lasting performance and resistance to wear.
- **Ride Comfort:** Solid tires may offer a slightly firmer ride compared to pneumatic (air-filled) tires, as they do not absorb road imperfections in the same way. The honeycomb design helps mitigate this.
- **Traction:** While generally good, solid tires may have reduced traction on wet or slippery surfaces compared to pneumatic tires. Exercise extra caution when riding in adverse weather conditions or on wet ground.




Image 7.1: Visual representation of various road conditions where the 1PZ solid tire can be used, including paved roads, wet surfaces, and cobblestones. Users should exercise caution on wet surfaces.

## 8. Maintenance

The 1PZ solid tire requires minimal maintenance due to its design. However, regular checks are recommended to ensure safety and longevity:

- **Regular Inspection:** Periodically inspect the tire for any signs of wear, cracks, or embedded debris. While puncture-proof, severe damage can still occur.
- **Cleanliness:** Keep the tire and brake disk clean from dirt, mud, and grime. Use a damp cloth to wipe them down.
- **Brake Disk Check:** Ensure the brake disk is free from excessive wear, warping, or contamination (e.g., oil, grease) that could impair braking performance.
- **Axle Nut Tightness:** Occasionally check that the axle nuts are securely tightened.
- **Brake Caliper Alignment:** Verify that the brake caliper remains properly aligned with the disk and that brake pads are not excessively worn.

## 9. Troubleshooting

If you encounter issues after installing your 1PZ solid tire rear wheel, consider the following:

- **Wheel Rubbing:** If the wheel rubs against the frame or brake caliper, check for proper alignment during installation. Ensure all spacers are correctly placed and the axle nuts are tightened evenly.
- **Brake Noise/Ineffectiveness:** This could indicate improper brake caliper alignment, contaminated brake disk/pads, or worn brake pads. Re-align the caliper, clean the disk, or replace brake pads as needed.
- **Unusual Vibrations:** Ensure the wheel is securely mounted and all nuts are tightened. Inspect the wheel for any visible damage or manufacturing defects.

For persistent issues or concerns, please contact 1PZ customer support.

## 10. Warranty

The 1PZ 8.5 Inch Solid Tire Rear Wheel with 110mm Brake Disk comes with a **1-year manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from improper installation, misuse, accidents, or normal wear and tear.
Please retain your proof of purchase for warranty claims.

## 11. Support

For any questions, technical assistance, or warranty inquiries regarding your 1PZ product, please do not hesitate to contact us. Our customer support team is available to help.
You can typically find contact information on the 1PZ brand store on Amazon or through the retailer where you purchased the product.

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