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Model: 12 1/2x2 1/4

INTRODUCTION

This instruction manual provides essential information for the proper installation, operation, and maintenance of your Smarthu 12 1/2x2 1/4 Pneumatic Scooter Tire and Inner Tube. Please read this manual thoroughly before installation to ensure safe and optimal performance.

PRODUCT OVERVIEW

The Smarthu 12 1/2x2 1/4 Pneumatic Scooter Tire and Inner Tube set is designed for various electric scooters, including models like Gotrax A3 and A5, that utilize this specific tire size. This set provides a reliable replacement for worn or damaged tires, ensuring a smooth and controlled riding experience.

- **Low Rolling Resistance:** Designed for efficient movement and energy conservation.
- **High Grip:** The tread pattern is engineered to provide superior traction.
- **Enhanced Drainage:** The pattern design includes features for improved water dispersion in wet conditions, reducing the risk of hydroplaning.
- **Anti-Side Slip Design:** Shoulder diamond grain and window grooves enhance control and effectively prevent side slip, improving overall vehicle safety.



Image: The Smarthu 12 1/2x2 1/4 pneumatic scooter tire and its corresponding inner tube, shown together as a complete set.

12" scooter air tire

12 1/2 × 2 1/4 air tire

62-203

Peculiarity

- Low drag
- Comfortable
- High drainage



Image: Close-up view of the 12 1/2x2 1/4 scooter tire, highlighting its tread pattern, low drag, comfort, and high drainage features.

SPECIFICATIONS

Brand	Smarthu
Size	12 1/2x2 1/4
Section Width	2 1/4 Inches
Load Capacity	275 Pounds
Tread Type	Directional
Maximum Pressure	45 PSI (Pound per Square Inch)
Rim Width	2.5 Inches
Tire Diameter	12 Inches
Item Weight	1.6 Pounds

SETUP AND INSTALLATION

Proper installation is crucial for the safety and performance of your scooter. If you are unsure about any step, it is recommended to seek assistance from a qualified technician.

- 1. Verify Tire Size:** Before beginning, always check the original tire size marked on your scooter's existing tire. This product is specifically designed for 12 1/2x2 1/4 tires. Ensure compatibility with your electric scooter model, such as Gotrax A3 or A5.
- 2. Prepare the Scooter:** Turn off the scooter and place it on a stable surface. If possible, elevate the wheel you are working on to allow for easier access.
- 3. Remove the Wheel:** Carefully remove the wheel from the scooter frame. This usually involves loosening axle nuts or quick-release mechanisms. Refer to your scooter's specific manual for detailed wheel removal instructions.
- 4. Deflate and Remove Old Tire/Tube:**
 - Completely deflate the old inner tube by pressing the valve stem.
 - Use tire levers to carefully pry one bead of the old tire off the rim.
 - Once one bead is off, remove the inner tube.
 - Then, remove the other bead of the old tire from the rim.
- 5. Inspect the Rim:** Check the rim for any sharp edges, debris, or damage that could puncture the new inner tube. Clean the rim thoroughly.
- 6. Install New Inner Tube:**
 - Lightly inflate the new inner tube (just enough to give it shape).
 - Insert the valve stem through the valve hole in the rim.
 - Carefully tuck the inner tube inside the new tire, ensuring it is not twisted.
- 7. Install New Tire:**
 - Mount one bead of the tire onto the rim.
 - Starting from the valve stem, work the second bead of the tire onto the rim using your hands. Avoid using tire levers if possible, as they can pinch the inner tube. If necessary, use levers with extreme caution.
 - Ensure the inner tube is not pinched between the tire bead and the rim.
- 8. Inflate the Tire:** Inflate the tire gradually, checking that the tire beads are seated evenly on the rim. Inflate to the recommended pressure of **45 PSI**. Do not overinflate.
- 9. Reinstall the Wheel:** Mount the wheel back onto the scooter, ensuring all nuts and bolts are securely tightened according to your scooter's specifications.
- 10. Final Check:** Before riding, spin the wheel to ensure it rotates freely and the tire is properly seated. Check tire pressure again.



Image: The Smarthu 12 1/2x2 1/4 scooter tire installed on an electric scooter, demonstrating its application.

OPERATION

Once installed, the Smarthu pneumatic tire and inner tube are ready for use. Adhere to the following guidelines for optimal performance and safety:

- **Maintain Correct Tire Pressure:** Regularly check and maintain the tire pressure at the recommended **45 PSI**. Incorrect pressure can affect ride quality, tire wear, and safety.
- **Observe Load Capacity:** Do not exceed the maximum load capacity of **275 Pounds** to prevent tire damage and ensure safe operation.
- **Riding Conditions:** While the tire features enhanced drainage, exercise caution when riding in wet or slippery conditions. The directional tread is designed to improve grip, but no tire can eliminate all risks.

MAINTENANCE

Regular maintenance will extend the life of your tires and ensure continued safe operation.

- **Tire Pressure Checks:** Check tire pressure weekly, or before every ride if the scooter is used infrequently.

- **Visual Inspection:** Periodically inspect the tires for signs of wear, cuts, cracks, or embedded objects (glass, thorns). Remove any foreign objects carefully.
- **Cleanliness:** Keep tires clean from dirt and debris, which can degrade rubber over time.
- **Storage:** When not in use for extended periods, store the scooter in a cool, dry place away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Frequent Punctures	Underinflation, sharp objects on rim, faulty rim tape, poor installation.	Ensure correct tire pressure. Inspect rim for sharp edges and use rim tape. Reinstall carefully, checking for pinched inner tube.
Tire Loses Air Quickly	Puncture in inner tube, loose valve stem, faulty valve core.	Locate and patch/replace inner tube. Tighten valve stem nut. Replace valve core if necessary.
Uneven Tire Wear	Incorrect tire pressure, wheel misalignment, riding habits.	Maintain recommended tire pressure. Check wheel alignment. Adjust riding style if necessary.
Difficulty Seating Tire Bead	Tire/rim incompatibility, insufficient lubrication, inner tube obstruction.	Ensure correct tire size. Apply soapy water to tire beads. Check for pinched inner tube. Inflate slowly.

WARRANTY AND SUPPORT

Smarthu is committed to customer satisfaction. If you receive the goods and have any questions or dissatisfaction, please contact us directly. We will respond promptly to address your concerns and provide assistance.

For support, please refer to the contact information provided with your purchase or on the official Smarthu website.