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SPEDWHEL 90/65-6.5

SPEDWHEL 90/65-6.5 Vacuum Tire User Manual

For Inmotion RS Electric Scooter

1. Introduction

This manual provides essential information for the proper installation, operation, and maintenance of your SPEDWHEL 90/65-6.5 Vacuum Tire, designed specifically for the Inmotion RS Electric Scooter. Adhering to these guidelines will ensure optimal performance, safety, and longevity of your tire.

2. Product Overview

The SPEDWHEL 90/65-6.5 Vacuum Tire is an 11-inch, ultra wear-resisting road tire engineered for durability and performance on electric scooters. Its vacuum (tubeless) construction offers enhanced safety and reduced maintenance compared to traditional tube tires.



Image 2.1: Angled view of the SPEDWHEL 90/65-6.5 Vacuum Tire, showcasing its tread pattern and sidewall.



Image 2.2: Top-down view highlighting the symmetrical tread pattern of the tire, designed for road use.

3. Specifications

Feature	Detail
Model Number	90/65-6.5
Tire Diameter	11 inches
Construction Type	Vacuum (Tubeless)
Ply Rating	6-Ply

Feature	Detail
Tread Type	Symmetrical
Item Weight	2.5 pounds
Manufacturer	SPEDWHEL
UPC	761850184059

4. Installation

Replacing a scooter tire requires specific tools and careful attention to detail. If you are unsure about any step, it is recommended to seek professional assistance.

4.1 Safety Precautions

- Ensure the scooter is powered off and stable before beginning.
- Wear appropriate personal protective equipment, including gloves and eye protection.
- Work in a well-lit and clear area.

4.2 Required Tools

- Tire levers
- Wrenches (appropriate sizes for axle nuts)
- Valve core tool
- Air compressor or pump with pressure gauge
- Soapy water solution (for bead seating)

4.3 Installation Steps

1. **Remove the Wheel:** Loosen and remove the axle nuts. Carefully detach the wheel from the scooter frame, noting the position of any spacers or washers.
2. **Deflate the Old Tire:** Remove the valve cap and use a valve core tool to remove the valve core, allowing all air to escape.
3. **Break the Bead:** Press down on the sidewall of the old tire to separate the tire bead from the rim. This may require significant force.
4. **Remove the Old Tire:** Use tire levers to carefully pry the old tire off the rim. Start from one side and work your way around.
5. **Inspect the Rim:** Clean the rim thoroughly and inspect it for any damage, sharp edges, or debris that could harm the new tire.
6. **Install the New Tire:**



Image 4.1: Inner view of the vacuum tire, showing its smooth, tubeless interior.



Image 4.2: Close-up of the inner surface, emphasizing the quality of the vacuum tire construction.

Apply a thin layer of soapy water to the beads of the new tire. Place one side of the tire onto the rim. Using tire levers, carefully work the second bead over the rim. Be careful not to pinch the tire or damage the rim.

7. **Reinstall Valve Core:** Screw the valve core back into the valve stem.
8. **Inflate the Tire:** Slowly inflate the tire using an air compressor. You may hear a pop as the beads seat onto the rim. Continue inflating to the recommended pressure (refer to the tire sidewall for maximum pressure, typically 50 PSI for this model).
9. **Check for Leaks:** Apply soapy water around the tire beads and valve stem. Look for bubbles, which indicate a leak.
10. **Reinstall the Wheel:** Mount the wheel back onto the scooter, ensuring all spacers and nuts are correctly positioned and tightened securely.

5. Operation and Usage

Once installed, proper operation of your scooter with the new tire involves maintaining correct tire pressure and being aware of riding conditions.

5.1 Tire Pressure

- Always maintain the recommended tire pressure as indicated on the tire sidewall (e.g., 50 PSI).

- Check tire pressure regularly, at least once a week, as temperature changes can affect pressure.
- Incorrect tire pressure can lead to reduced performance, increased wear, and potential safety hazards.

5.2 Riding Conditions

- While designed for road use, avoid sharp objects, potholes, and excessive off-road riding to prevent damage.
- Adjust riding style to suit road conditions, especially in wet or slippery environments.

6. Maintenance

Regular maintenance will extend the life of your SPEDWHEL vacuum tire and ensure safe riding.

- **Regular Inspection:** Visually inspect the tire before each ride for cuts, punctures, bulges, or excessive wear. Remove any embedded debris.
- **Tread Wear:** Monitor the tread depth. Replace the tire when the tread is significantly worn down, especially if the wear indicators are visible.
- **Cleaning:** Clean the tire with mild soap and water to remove dirt and grime. Avoid harsh chemicals that could degrade the rubber.
- **Storage:** If storing the scooter for an extended period, ensure tires are properly inflated and stored in a cool, dry place away from direct sunlight and ozone-producing equipment (e.g., electric motors).

7. Troubleshooting

7.1 Common Issues and Solutions

- **Flat Tire/Slow Leak:**
  - Check tire pressure.
  - Inspect for punctures. Small punctures in tubeless tires can sometimes be repaired with a tire plug kit. For larger damage, tire replacement is necessary.
  - Check the valve stem for leaks.
- **Uneven Wear:**
  - Ensure correct tire pressure is consistently maintained.
  - Check for bent rims or misaligned wheels on the scooter.
- **Difficulty Seating Bead:**
  - Ensure sufficient soapy water lubricant is applied to the beads and rim.
  - Use an air compressor for rapid inflation to help seat the bead.
  - If issues persist, professional assistance may be required.

8. Warranty and Support

For information regarding warranty coverage, returns, or technical support for your SPEDWHEL 90/65-6.5 Vacuum Tire, please contact the seller or manufacturer directly. Keep your proof of purchase for any warranty claims.
Manufacturer: SPEDWHEL
Model: 90/65-6.5
UPC: 761850184059

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