

Shinko SR024

Shinko SR024 Bicycle Tire & Tube Set Instruction Manual

Model: SR024 | Brand: Shinko

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Shinko SR024 Bicycle Tire and Tube Set. Please read this manual thoroughly before use to ensure safety and optimal performance.

The Shinko SR024 set includes two 20 x 1.95 inch bicycle tires, two inner tubes, and two rim flaps. These tires feature a deep groove structure, ideal for electric assist bicycles, providing enhanced grip and durability.

2. SAFETY INFORMATION

Always prioritize safety when working with bicycle components. Improper installation or maintenance can lead to serious injury or damage to your bicycle.

- Ensure the bicycle is stable and secured before beginning any work.
- Wear appropriate safety gear, such as gloves and eye protection.
- Do not exceed the recommended tire pressure. Refer to the specifications section for details.
- Regularly inspect tires and tubes for wear, punctures, or damage. Replace components as necessary.
- If unsure about any installation or maintenance step, consult a professional bicycle mechanic.

3. PRODUCT OVERVIEW

The Shinko SR024 Bicycle Tire and Tube Set is designed for 20-inch wheels, specifically optimized for electric assist bicycles. Its robust construction and unique tread pattern ensure reliable performance.



Figure 3.1: Shinko SR024 Bicycle Tire and Tube Set. This image displays two black bicycle tires with a distinct tread pattern, accompanied by two coiled black inner tubes.



Figure 3.2: Detailed view of the Shinko SR024 tire tread. The image highlights the deep groove structure and the independent pattern of the side blocks, designed for improved grip.

Key Features:

- **Size:** 20 x 1.95 inches (ETRTO: 50-406)
- **Tread Design:** Deep groove structure with a center slick line for longevity and side block grain for enhanced cornering grip.
- **Material:** Synthetic Rubber
- **Included Components:** 2 tires, 2 tubes, 2 rim flaps.

4. SETUP AND INSTALLATION

Follow these steps for proper installation of the Shinko SR024 tires and tubes on your bicycle wheels.

Required Tools:

- Tire levers
- Bicycle pump with pressure gauge
- Wrench (if removing wheel)

Installation Steps:

1. **Remove Old Tire and Tube:** If replacing existing components, deflate the old tube completely. Use tire levers to carefully pry one bead of the old tire off the rim. Remove the inner tube, then remove the second tire bead.
2. **Install Rim Flap:** Place the new rim flap around the wheel rim, ensuring it covers the spoke holes completely. This protects the inner tube from punctures.
3. **Install First Tire Bead:** Place one bead of the new Shinko SR024 tire onto the rim. Work your way around the rim until one side of the tire is fully seated.
4. **Insert Inner Tube:** Slightly 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 rest of the tube inside the tire, ensuring it is not twisted.
5. **Install Second Tire Bead:** Starting opposite the valve stem, begin to push the second bead of the tire onto the rim. Work your way around, using tire levers carefully for the last stubborn section if needed. Be careful not to pinch the inner tube.
6. **Inflate Tire:** Before fully inflating, check that both tire beads are evenly seated on the rim. Inflate the tire slowly, checking the pressure frequently with a gauge. Inflate to the recommended pressure range (35-45 PSI or 2.4-3.1 kgf/cm²).
7. **Final Check:** Spin the wheel to ensure the tire is seated correctly and runs true. Check for any bulges or unevenness.

5. OPERATING CONSIDERATIONS

Once installed, proper operation involves maintaining correct tire pressure and being aware of riding conditions.

- **Tire Pressure:** Always maintain tire pressure within the recommended range of 35-45 PSI (2.4-3.1 kgf/cm²). Incorrect pressure can affect handling, efficiency, and tire lifespan.
- **Riding Surface:** While designed for durability, avoid sharp objects and excessively rough terrain to prevent punctures and damage.
- **Cornering:** The side block grain is designed to improve grip during cornering. Lean into turns smoothly to utilize this feature effectively.

6. MAINTENANCE

Regular maintenance extends the life of your Shinko SR024 tires and tubes and ensures safe riding.

- **Pressure Checks:** Check tire pressure before every ride, or at least weekly.
- **Visual Inspection:** Regularly inspect the tire tread and sidewalls for cuts, cracks, embedded debris,

or excessive wear. Remove any small stones or glass shards.

- **Tread Wear:** Monitor tread wear indicators (if present) or the depth of the tread. Replace tires when the tread is significantly worn, especially the center slick line.
- **Cleaning:** Clean tires with mild soap and water. Avoid harsh chemicals that can degrade the rubber.
- **Storage:** Store bicycles with these tires in a cool, dry place away from direct sunlight and extreme temperatures to prevent rubber degradation.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your bicycle tires and tubes.

Problem	Possible Cause	Solution
Frequent Punctures	Underinflation, sharp objects on road, worn tire, improperly installed rim flap.	Maintain correct pressure. Inspect tire for embedded debris. Replace worn tire. Ensure rim flap covers spoke holes.
Tire Blowout	Overinflation, pinched tube during installation, tire bead not seated correctly.	Do not overinflate. Reinstall tire and tube carefully, ensuring tube is not pinched and beads are seated.
Uneven Tire Wear	Incorrect tire pressure, wheel misalignment, braking habits.	Maintain consistent tire pressure. Check wheel alignment. Adjust braking technique.
Difficulty Seating Tire Bead	Tire too stiff, insufficient lubrication, incorrect technique.	Apply soapy water to tire beads. Use proper tire lever technique. Ensure tube is slightly inflated.

8. SPECIFICATIONS





Attribute	Value
Model Name	SR024
Brand	Shinko
Tire Size	20 x 1.95 inches
ETRTO	50-406
Recommended Air Pressure	35-45 PSI (2.4-3.1 kgf/cm2)
Material	Synthetic Rubber
Tread Type	Slick with side block grain
Color	Black
Included Components	2 Tires, 2 Tubes, 2 Rim Flaps
Bike Type Compatibility	Fat Bike, Electric Assist Bicycles

9. WARRANTY AND SUPPORT

For warranty information or technical support regarding your Shinko SR024 Bicycle Tire and Tube Set, please contact Shinko customer service directly. Keep your purchase receipt as proof of purchase. While specific warranty details are not provided in this manual, general product warranties typically cover manufacturing defects for a limited period from the date of purchase. Damage due to improper installation, misuse, accidents, or normal wear and tear is usually not covered. For further assistance, please refer to the official Shinko website or contact your retailer.

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