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Kenda 35-05-118

Kenda K35 Road Wire Bead Bicycle Tire Instruction Manual

Brand: Kenda | Model: 35-05-118

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1. Introduction

This manual provides essential information for the proper installation, operation, and maintenance of your Kenda K35 Road Wire Bead Bicycle Tire. The Kenda K35 is a durable skinwall tire designed for both street and light off-road use, featuring a reliable wire bead construction. Its dimensions are 27 inches by 1-1/4 inches.
Please read this manual thoroughly before installing or using the tire to ensure safety and optimal performance.

2. Safety Information

- **Proper Inflation:** Always inflate tires to the recommended pressure range indicated on the tire sidewall. Over-inflation or under-inflation can lead to tire failure, loss of control, and injury.
- **Regular Inspection:** Before each ride, inspect tires for cuts, punctures, excessive wear, or any foreign objects embedded in the tread or sidewall. Do not ride on damaged tires.
- **Professional Installation:** If you are unsure about tire installation, seek assistance from a qualified bicycle mechanic. Incorrect installation can cause the tire to come off the rim, leading to serious injury.
- **Compatibility:** Ensure the tire size (27 x 1-1/4 inches) is compatible with your bicycle's rims.
- **Brake Clearance:** After installation, verify that the tire clears all parts of the bicycle, especially brake calipers and frame.

3. Installation Guide

Installing a bicycle tire requires careful attention to detail. The following steps outline the general procedure. If you are unfamiliar with tire installation, it is recommended to consult a professional bicycle mechanic.

Tools Required:

- Tire levers
- Bicycle pump with pressure gauge

- New inner tube (if replacing)
- Rim strip (if needed)

Step-by-Step Installation:

1. **Remove the Wheel:** Detach the wheel from your bicycle. If it's the rear wheel, shift to the smallest cog before removal.
2. **Deflate and Remove Old Tire:** Fully deflate the old tire. Use tire levers to carefully pry one bead of the old tire off the rim. Once one side is off, remove the inner tube, then remove the other tire bead.
3. **Inspect Rim and Rim Strip:** Check the rim for any sharp edges, dents, or damage. Ensure the rim strip is properly seated and covers all spoke holes to prevent punctures.
4. **Install One Tire Bead:** Place one bead of the new Kenda K35 tire onto the rim. Start opposite the valve hole and work your way around.
5. **Partially Inflate Inner Tube:** Lightly inflate the new inner tube until it just holds its shape. This prevents it from getting pinched during installation.
6. **Insert Inner Tube:** Insert the valve stem of the inner tube through the valve hole in the rim. Then, carefully tuck the rest of the inner tube inside the tire, ensuring it's not twisted.
7. **Install Second Tire Bead:** Starting from the valve stem, work the second bead of the tire onto the rim. Use your thumbs to push the bead into the rim channel. The last section can be tight; use tire levers carefully if necessary, avoiding pinching the inner tube.
8. **Check Tire Seating:** Before fully inflating, check that both tire beads are evenly seated on the rim. Look for the molded line on the tire sidewall, which should be visible and consistent all around the rim.
9. **Inflate Tire:** Slowly inflate the tire to the recommended pressure range (e.g., 60-90 PSI for road tires, check sidewall for exact range). As you inflate, periodically check the bead seating to ensure it remains even.
10. **Reinstall Wheel:** Once inflated, reinstall the wheel onto your bicycle, ensuring it is properly aligned and secured.



Figure 1: Kenda K35 Road Wire Bead Bicycle Tire. This image shows the tire's skinwall design and wire bead construction.

4. Operation

Optimal performance and safety of your Kenda K35 tire depend on correct operating practices.

- **Tire Pressure:** Always maintain tire pressure within the range specified on the tire's sidewall. Check pressure before every ride, as tires naturally lose air over time. Correct pressure improves ride quality, reduces rolling resistance, and minimizes the risk of pinch flats.
- **Riding Conditions:** While the Kenda K35 is suitable for both street and light off-road use, adjust your riding style and speed according to surface conditions. Wet or loose surfaces require reduced speed and increased caution.
- **Load Capacity:** Do not exceed the maximum load capacity recommended for your bicycle and tires.

5. Maintenance

Regular maintenance extends the life of your Kenda K35 tires and ensures safe riding.

- **Cleanliness:** Keep tires clean from dirt, mud, and road grime. Use mild soap and water, then rinse thoroughly. Avoid harsh chemicals that can degrade rubber.
- **Inspect for Wear:** Regularly check the tire tread for signs of wear, such as flattened areas or visible casing. Replace tires when the tread is significantly worn or if wear indicators (if present) are visible.
- **Check for Damage:** Inspect the tire sidewalls and tread for cuts, cracks, bulges, or embedded debris (glass, thorns, etc.). Remove any foreign objects carefully. Small cuts can sometimes be repaired, but significant damage warrants tire replacement.
- **Storage:** Store your bicycle in a cool, dry place away from direct sunlight, extreme temperatures, and ozone-producing equipment (e.g., electric motors). These conditions can accelerate rubber degradation.

6. Troubleshooting

Problem	Possible Cause	Solution
Frequent Flats	Puncture from debris, pinch flat (under-inflation), faulty rim strip, sharp spoke end.	Inspect tire and tube for punctures, ensure proper inflation, check rim strip and spoke ends.
Tire Feels Squishy/Slow	Under-inflation.	Inflate to recommended pressure. Check for slow leaks if pressure drops quickly.
Tire Wobbles/Uneven Ride	Tire not properly seated on rim, bent rim, damaged tire casing.	Deflate and re-seat tire, check rim for trueness, inspect tire for damage. Seek professional help if rim is bent or tire is damaged.
Difficulty Installing Tire	Tire bead is tight, inner tube pinched.	Ensure inner tube is lightly inflated, use tire levers carefully, apply soapy water to beads for lubrication.

7. Specifications

Feature	Detail
Brand	Kenda
Model Number	35-05-118
Tire Type	Clincher, Wire Bead
Material	Rubber
Size (Diameter x Width)	27 Inches x 1-1/4 Inches (27x1.25-Inch)
Bike Type	Road Bike
Item Weight	0.75 Pounds (approx. 340 grams)
Sport Type	Cycling
UPC	047853661040

8. Warranty and Support

For warranty information, technical support, or any questions regarding your Kenda K35 Road Wire Bead Bicycle Tire, please contact Kenda customer service directly through their official website or authorized distributors. Keep your proof of purchase for warranty claims.

Note: Specific warranty terms and conditions may vary by region and retailer.

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