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Kenda K816

Kenda K816 Aggressive MTB Wire Bead Bicycle Tire User Manual

Model: K816 | Part Number: 134153

1. Introduction

Thank you for choosing the Kenda K816 Aggressive MTB Wire Bead Bicycle Tire. This manual provides essential information for the proper installation, use, and maintenance of your new tire. Adhering to these instructions will help ensure optimal performance and longevity of your tire.

2. Product Overview

The Kenda K816 is an aggressive mountain bike tire designed for various terrains. It features a durable wire bead and a tread pattern optimized for grip and control. This tire is suitable for mountain bikes requiring a 26-inch diameter and 2.10-inch width.



Figure 1: Kenda K816 Aggressive MTB Wire Bead Bicycle Tire (Overall View)

Key Features:

- **Rubber Compound:** Standard
- **Tire Bead:** Wire
- **Tire Detail Color:** Black
- **Tire Diameter:** 26 inches
- **Tire Width:** 2.1 inches

3. Setup and Installation

Proper installation is crucial for tire performance and safety. If you are unsure about any step, consult a professional bicycle mechanic.

Required Tools:

- Tire levers
- Bicycle pump with pressure gauge
- New inner tube (if applicable)

Installation Steps:

1. **Remove Old Tire:** Deflate the old tire completely. Use tire levers to carefully pry one bead of the old tire off the rim, then remove the inner tube. Finally, remove the second bead from the rim.
2. **Inspect Rim:** Check the rim for any sharp edges, dents, or debris that could damage the new tire or tube. Ensure the rim tape is in good condition and properly seated.
3. **Install One Tire Bead:** Place one bead of the new Kenda K816 tire onto the rim. Start opposite the valve hole and work your way around.
4. **Insert Inner Tube:** Lightly inflate the inner tube (just enough to give it shape) and insert it into the tire, ensuring the valve stem passes through the valve hole in the rim.
5. **Install Second Tire Bead:** Starting from the valve stem, carefully work the second bead of the tire onto the rim. Use your thumbs or tire levers, being careful not to pinch the inner tube between the tire bead and the rim.
6. **Check Tire Seating:** Before fully inflating, ensure both tire beads are evenly seated around the rim. You may need to push the tire beads towards the center of the rim to help them seat properly.
7. **Inflate Tire:** Inflate the tire gradually, checking that the beads remain seated. Inflate to the recommended pressure range indicated on the tire sidewall (typically 40-60 PSI for this model). Do not exceed the maximum pressure.



Figure 2: Front view of the Kenda K816 tire tread pattern.



Figure 3: Side view of the Kenda K816 bicycle tire, showing the wire bead.



Figure 4: Angled view of the Kenda K816 tire mounted on a wheel.

4. Operating Guidelines

The Kenda K816 tire is designed for aggressive mountain biking. Its tread pattern provides excellent traction on loose dirt, mud, and rocky trails. Always ensure your tires are properly inflated before each ride for optimal performance, safety, and puncture resistance.

- **Tire Pressure:** Maintain tire pressure within the recommended range (40-60 PSI). Lower pressures can increase grip on technical terrain but also increase the risk of pinch flats and rim damage. Higher pressures reduce rolling resistance on smoother surfaces but can decrease traction.
- **Terrain:** This tire excels in off-road conditions. While it can be ridden on pavement, its aggressive tread may result in higher rolling resistance and faster wear compared to smoother tires.

5. Maintenance

Regular maintenance will extend the life of your Kenda K816 tires.

- **Pressure Checks:** Check tire pressure before every ride. Tires naturally lose air over time.
- **Inspection:** Regularly inspect the tire tread and sidewalls for cuts, cracks, embedded debris (like glass or thorns), or excessive wear. Remove any foreign objects carefully.
- **Cleaning:** Clean your tires with mild soap and water after riding in muddy or dirty conditions. Avoid harsh chemicals

that can degrade the rubber.

- **Storage:** Store your bicycle in a cool, dry place away from direct sunlight and extreme temperatures, which can accelerate rubber degradation.

6. Troubleshooting

Addressing common issues can help maintain your tire's performance.

Tire Bulging or Uneven Seating:

If the tire appears to bulge or is not seated evenly on the rim, this indicates an installation issue or a potential manufacturing defect.

- **Re-seating:** Deflate the tire completely. Apply a small amount of soapy water to the tire beads and rim edges. Re-inflate slowly, ensuring the beads pop into place evenly. You may need to manipulate the tire by hand to help it seat.
- **Inner Tube Pinch:** A bulge can also indicate that the inner tube is pinched between the tire bead and the rim. Deflate, remove the tire, and carefully re-install the tube and tire, ensuring no part of the tube is exposed or pinched.
- **Defect:** If the tire continues to bulge or cannot be seated evenly after multiple attempts, it may have a manufacturing defect. In such cases, discontinue use and contact Kenda customer support or your retailer.

Frequent Punctures:

- **Check Rim Tape:** Ensure rim tape is intact and covers all spoke holes.
- **Inspect Tire:** Thoroughly check the inside of the tire for any sharp objects that may still be embedded.
- **Tire Pressure:** Ensure tire pressure is within the recommended range to prevent pinch flats.

7. Specifications

Specification	Detail
Brand	Kenda
Model Name	Kenda Smoke Style Tire
Part Number	134153
Item Diameter	26 Inches
Item Width	2.1 Inches
Tire Type	Clincher
Tire Bead	Wire
Color	Black
Material	Multiple
Item Weight	1.65 Pounds
Recommended Pressure	40-60 PSI (Refer to tire sidewall for exact range)

8. Warranty Information

This Kenda K816 tire is covered by the Original Manufacturer Warranty. For specific details regarding warranty terms, conditions, and duration, please refer to the documentation provided with your purchase or visit the official Kenda website.

9. Customer Support

If you have any questions, concerns, or require assistance with your Kenda K816 tire, please contact Kenda customer support through their official website or the retailer from whom you purchased the product. Provide your model name (K816) and part number (134153) for faster service.

Ask a question about this manual

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