Kenda K787

Kenda Equilibrium K787 DOT Rear Tire (120/80-19) User Manual

Model: K787 | Size: 120/80-19

Introduction Safety Information Installation Usage Guidelines Maintenance Troubleshooting Specifications Warranty & Support

1. Introduction

This manual provides essential information for the proper installation, usage, and maintenance of your Kenda Equilibrium K787 DOT Rear Tire (120/80-19). The Kenda K787 Equilibrium tire is designed to combine the characteristics of trials tires with those of motocross tires, offering a versatile solution for various off-road conditions. It features a specialized tread pattern and compound for enhanced grip and performance.





Image 1.1: Kenda Equilibrium K787 Rear Tire. This image displays the Kenda Equilibrium K787 rear tire, highlighting its unique tread design which combines trials-inspired center blocks for traction and motocross-style shoulder knobs for cornering.

2. Safety Information

Always prioritize safety when handling and using tires. Improper installation or maintenance can lead to serious injury or equipment damage. Adhere to the following guidelines:

- **Professional Installation:** Tire installation should be performed by qualified professionals using

appropriate tools and techniques.

- **DOT Compliance:** This tire is DOT approved for 2016. Verify local regulations and tire age before use on public roads.
- **Inflation Pressure:** Maintain correct tire inflation pressure as specified in this manual and by your vehicle manufacturer. Do not exceed the maximum pressure of 20 PSI.
- **Load Capacity:** Do not exceed the maximum load capacity of 595 lbs (270 kg).
- **Regular Inspection:** Frequently inspect tires for cuts, punctures, bulges, or excessive wear. Replace damaged or excessively worn tires immediately.
- **Compatibility:** Ensure the tire size and type are compatible with your vehicle's specifications.

3. Installation

Correct installation is critical for tire performance and safety. It is strongly recommended that installation be performed by a certified technician.

3.1 Pre-Installation Checks

- Verify that the tire size (120/80-19) matches your vehicle's requirements and the rim is 19 inches.
- Inspect the tire for any manufacturing defects or shipping damage before mounting.
- Ensure the rim is clean, free of rust, and undamaged.

3.2 Mounting Procedure

1. Lubricate the tire beads and rim flanges with an approved tire mounting lubricant.
2. Mount the tire onto the rim, observing any directional arrows on the sidewall for correct rotation.
3. Inflate the tire slowly to seat the beads. Do not exceed 40 PSI during bead seating.
4. Once beads are seated, adjust the tire pressure to the recommended operating pressure (refer to Section 4.2).
5. Inspect both sides of the tire to ensure beads are fully seated and the tire is properly aligned on the rim.

4. Usage Guidelines

The Kenda K787 Equilibrium tire is designed for off-road and dual-purpose motorcycle applications, offering a balance of traction and durability.

4.1 Intended Use

- This tire is suitable for MX / Off-Road and Dual Purpose riding.
- Its design provides strong traction on varied terrain, including rocky and technical sections, as well as aggressive cornering capabilities.
- The specialized compound is engineered for enhanced grip in both wet and dry conditions.

4.2 Recommended Tire Pressure

Optimal tire pressure varies based on rider weight, terrain, and riding style. However, never exceed the maximum pressure of **20 PSI (1.38 bar)**. For general off-road use, consult your motorcycle's owner's manual for specific recommendations. Lower pressures may be used for increased traction in certain off-road conditions, but this increases the risk of rim damage or pinch flats.

4.3 Load Capacity

The maximum load capacity for this tire is **595 lbs (270 kg)**. Do not exceed this limit, as it can compromise tire integrity and vehicle handling.

5. Maintenance

Regular maintenance extends tire life and ensures safe operation.

- **Pressure Checks:** Check tire pressure before each ride, or at least weekly, using an accurate gauge. Adjust as needed.
- **Visual Inspection:** Regularly inspect the tire for signs of wear, cuts, cracks, bulges, or embedded objects. Pay close attention to the tread and sidewalls.
- **Tread Wear:** Monitor tread depth. Replace the tire when the tread is worn down to the wear indicators or when traction significantly diminishes.
- **Cleaning:** Clean tires with mild soap and water. Avoid harsh chemicals that can degrade rubber compounds.
- **Storage:** When not in use, store tires in a cool, dry place away from direct sunlight, ozone-producing equipment (e.g., electric motors), and chemicals.

6. Troubleshooting

This section addresses common issues you might encounter with your tire.

6.1 Rapid or Uneven Wear

- **Cause:** Incorrect tire pressure, improper suspension settings, aggressive riding style, or wheel imbalance.
- **Solution:** Verify and adjust tire pressure. Check suspension settings. Consider professional wheel balancing. Adjust riding style if necessary.

6.2 Loss of Traction

- **Cause:** Worn tread, incorrect tire pressure for conditions, unsuitable terrain, or tire damage.
- **Solution:** Inspect tread depth and replace if worn. Adjust tire pressure for specific terrain. Ensure tire is appropriate for the riding conditions.

6.3 Punctures or Air Leaks

- **Cause:** Sharp objects, valve stem issues, or bead seating problems.
- **Solution:** Locate the source of the leak. Small punctures may be repairable by a professional, but significant damage requires tire replacement.

If you experience persistent issues or significant damage, consult a professional tire technician.

7. Specifications

Key technical specifications for the Kenda Equilibrium K787 DOT Rear Tire (120/80-19):

Feature	Specification
Brand	Kenda
Model	K787 Equilibrium

Feature	Specification
Tire Size	120/80-19
Section Width	120 Millimeters
Rim Width	19 Inches
Load Capacity	595 Pounds (63M Speed/Load Rating)
Maximum Pressure	20 PSI
Tread Depth	13.5 Millimeters
Tread Type	Symmetrical (Trials-inspired center, Motocross-style shoulder)
Item Weight	9-12 Pounds (approximate, varies by source)
DOT Approved	Yes (as of 2016)

8. Warranty & Support

Kenda tires are manufactured to high-quality standards. For specific warranty information regarding your Kenda Equilibrium K787 tire, please refer to the official Kenda website or contact Kenda customer service directly. Warranty terms typically cover manufacturing defects for a specified period from the date of purchase.
For technical support or inquiries, please visit the official Kenda website or contact their authorized distributors.

Please retain your proof of purchase for any warranty claims.

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