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Ktaxon KT-MOUNTAIN BIKE-447

Ktaxon 27.5 Inch Mountain Bike User Manual

Model: KT-MOUNTAIN BIKE-447

1. INTRODUCTION

This manual provides essential information for the assembly, operation, and maintenance of your Ktaxon 27.5 Inch Mountain Bike. Designed for adults, this bike features a high-carbon steel frame, a 21-speed shifting system, double disc brakes, and a suspension fork for a comfortable and reliable riding experience across various terrains.

HIGH CARBON STEEL FRAME

The premium material combined with excellent welding technology for unmatched durability.



Image 1.1: The Ktaxon Mountain Bike, highlighting its high-carbon steel frame for durability.

2. SETUP AND ASSEMBLY

Your Ktaxon 27.5 Inch Mountain Bike arrives approximately 85% assembled. The remaining assembly steps include attaching the handlebars, seat, front wheel, and pedals. Additionally, the brakes and gears will require adjustment to ensure proper function and safety.

2.1. Assembly Video Guide



Video 2.1: Official Ktaxon assembly video for the mountain bike. This video demonstrates the installation of handlebars, front brake, front wheel, pedals, reflectors, and seat post, followed by brake adjustments.

2.2. Handlebar Installation

Attach the handlebars to the stem. Ensure the handlebars are centered and the brake levers and shifters are positioned comfortably for easy access. Tighten the bolts securely using an appropriate hex key.

2.3. Front Brake Assembly

Mount the front disc brake caliper onto the fork. Ensure the brake pads are correctly aligned with the rotor and the cable is routed properly. Adjust the cable tension for responsive braking.

2.4. Front Wheel Installation

Insert the front wheel into the fork dropouts, ensuring the disc rotor slides correctly into the brake caliper. Secure the wheel using the quick-release skewer or axle nuts. Verify the wheel spins freely without rubbing against the brake pads.



Image 2.2: Detail of the front wheel and disc brake assembly.

2.5. Pedal Installation

Identify the left (L) and right (R) pedals. The left pedal threads counter-clockwise, and the right pedal threads clockwise. Apply a small amount of grease to the pedal threads and screw them into the crank arms. Tighten firmly with a wrench.

2.6. Seat Post Installation

Insert the seat post into the frame's seat tube. Adjust the seat height to a comfortable riding position, ensuring the minimum insertion mark on the seat post is not visible. Secure the seat post with the quick-release clamp.

3. OPERATING INSTRUCTIONS

3.1. 21-Speed Shifting System

Your Ktaxon mountain bike is equipped with a professional 21-speed transmission system. Use the shifters on the handlebars to change gears smoothly and precisely, adapting to different terrains. Shift to lower gears for climbing hills and higher gears for flat or downhill riding.



Image 3.1: The 21-speed shifting system, showing the handlebar shifter and rear derailleur.

3.2. Double Disc Brake System

The mechanical dual disc brakes provide strong and sensitive braking force. Squeeze both brake levers gently to slow down or firmly to stop. Always apply both brakes simultaneously for balanced and effective stopping power.

3.3. Suspension Fork

The lock-out suspension front fork absorbs shocks from bumps and dips, providing a smoother and more comfortable ride, especially on uneven trails. The lock-out feature allows you to stiffen the fork for more efficient pedaling on smooth surfaces.

LOCK-OUT SUSPENSION FRONT FORK

Front suspension absorbs shock from bumps and dips for a comfortable ride.



Image 3.2: The lock-out suspension front fork, designed for a smoother ride.

4. MAINTENANCE

Regular maintenance is crucial for the longevity and safe operation of your mountain bike. Perform the following checks and tasks regularly:

- **Cleanliness:** Keep your bike clean, especially after riding in muddy or wet conditions. Use mild soap and water, then rinse thoroughly and dry.
- **Chain Lubrication:** Lubricate the chain regularly to ensure smooth shifting and prevent rust.
- **Tire Pressure:** Check tire pressure before each ride and inflate to the recommended PSI indicated on the tire sidewall.
- **Brake Inspection:** Regularly inspect brake pads for wear and ensure brake levers are responsive. Adjust cable tension as needed.
- **Bolt Tightness:** Periodically check all bolts and fasteners, especially on the handlebars, stem, seat post, and wheels, to ensure they are securely tightened.

5. TROUBLESHOOTING

If you encounter issues with your bike, consider the following common troubleshooting steps:

- **Brakes Squealing/Rubbing:** Check for proper alignment of the brake caliper and rotor. Ensure brake pads are not worn out. Adjust cable tension if necessary.
- **Difficulty Shifting Gears:** Inspect the shifter cables for fraying or stretching. Ensure the derailleur is properly aligned and adjusted. Clean and lubricate the chain.
- **Loose Components:** Re-tighten any loose bolts or quick-release mechanisms. Refer to the assembly video for specific tightening points.
- **Flat Tire:** Inspect the tire for punctures. If found, repair or replace the inner tube. Ensure the tire is properly seated on the rim before inflating.

For persistent issues or problems that cannot be resolved, please contact customer support.

6. SPECIFICATIONS

Detailed specifications for the Ktaxon 27.5 Inch Mountain Bike:

| Feature | Detail |
|-------------------------------|------------------------|
| Bike Type | Mountain Bike |
| Age Range | Adult |
| Brand | Ktaxon |
| Number of Speeds | 21 |
| Color | Black |
| Wheel Size | 27.5 Inches |
| Frame Material | Carbon Steel |
| Suspension Type | Dual |
| Brake Style | Disc |
| Item Weight | 16 Kilograms |
| Maximum Weight Recommendation | 264 Pounds |
| Assembly Required | Yes |
| Included Components | Instruction, Kickstand |



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|--------------------------|------------------------------------|--|--|-----------------|-------|---------------------|-------|--------------|-------|------------------------|-------|------------------------|-------|----------------------|-------|-----------------|-------|--------------------|-------|-------------------|-------|---------------------|------|---------------------|-------|--------------------------|-------|
| | | 65" - 77" Recommended Height | <table border="1"> <tr> <td>A. Total Length</td> <td>69.4"</td> </tr> <tr> <td>B. Handlebar Height</td> <td>39.0"</td> </tr> <tr> <td>C. Wheelbase</td> <td>42.9"</td> </tr> <tr> <td>D. Minimum Seat Height</td> <td>31.5"</td> </tr> <tr> <td>E. Maximum Seat Height</td> <td>40.6"</td> </tr> <tr> <td>F. Chain Stay Length</td> <td>17.9"</td> </tr> <tr> <td>G. Stand Height</td> <td>30.0"</td> </tr> <tr> <td>H. Top Tube Length</td> <td>21.3"</td> </tr> <tr> <td>I. Wheel Diameter</td> <td>27.5"</td> </tr> <tr> <td>J. Head Tube Length</td> <td>7.6"</td> </tr> <tr> <td>K. Handlebar Length</td> <td>24.9"</td> </tr> <tr> <td>L. Minimum Seat to Floor</td> <td>40.2"</td> </tr> </table> | A. Total Length | 69.4" | B. Handlebar Height | 39.0" | C. Wheelbase | 42.9" | D. Minimum Seat Height | 31.5" | E. Maximum Seat Height | 40.6" | F. Chain Stay Length | 17.9" | G. Stand Height | 30.0" | H. Top Tube Length | 21.3" | I. Wheel Diameter | 27.5" | J. Head Tube Length | 7.6" | K. Handlebar Length | 24.9" | L. Minimum Seat to Floor | 40.2" |
| | A. Total Length | 69.4" | | | | | | | | | | | | | | | | | | | | | | | | | |
| | B. Handlebar Height | 39.0" | | | | | | | | | | | | | | | | | | | | | | | | | |
| C. Wheelbase | 42.9" | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D. Minimum Seat Height | 31.5" | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E. Maximum Seat Height | 40.6" | | | | | | | | | | | | | | | | | | | | | | | | | | |
| F. Chain Stay Length | 17.9" | | | | | | | | | | | | | | | | | | | | | | | | | | |
| G. Stand Height | 30.0" | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H. Top Tube Length | 21.3" | | | | | | | | | | | | | | | | | | | | | | | | | | |
| I. Wheel Diameter | 27.5" | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J. Head Tube Length | 7.6" | | | | | | | | | | | | | | | | | | | | | | | | | | |
| K. Handlebar Length | 24.9" | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L. Minimum Seat to Floor | 40.2" | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 49.6LBS Bicycle Weight | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | MAX 264LBS Load Capacity | | | | | | | | | | | | | | | | | | | | | | | | | | |

Image 6.1: Visual representation of bike dimensions and key specifications.

7. WARRANTY AND SUPPORT

This Ktaxon Mountain Bike comes with a **30-day warranty**. For any issues or problems that cannot be resolved using this manual, please contact Ktaxon customer support via email. Refer to your purchase documentation for specific contact details.