Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

Jasion YR20

Jasion YR20 Electric Bike Instruction Manual

Model: YR20

1. Introduction

Welcome to the Jasion YR20 Electric Bike Instruction Manual. This manual provides essential information for the safe and efficient operation, assembly, and maintenance of your new electric bike. Please read this manual thoroughly before your first ride and keep it for future reference.

The Jasion YR20 electric bike is designed for versatile riding across various terrains, including mountains, snow, sand, and city streets. It features a powerful 2000W peak motor, a long-lasting 960WH battery, and a dual suspension system for enhanced comfort and performance.



Figure 1: Jasion YR20 Electric Bike

2. Setup and Assembly

Your Jasion YR20 electric bike comes 85% pre-assembled. Follow these steps to complete the assembly process.

2.1. Unboxing and Inspection

Carefully remove the bike and all components from the packaging. Inspect all parts for any signs of damage during transit. Retain the packaging for at least 30 days in case of returns or warranty claims.

▶ **Watch video online**
Jasion YR20 Electric Dirt Bike Assembly Instructions

Video 1: Jasion YR20 Electric Dirt Bike Assembly Instructions. This video demonstrates the complete assembly process from unboxing to final checks.

2.2. Handlebar Installation

1. Locate the handlebar and the handlebar clamp on the bike's fork.
2. Remove the bolts from the handlebar clamp using the provided Allen wrench.
3. Position the handlebar into the clamp, ensuring it is centered and aligned.
4. Re-insert the bolts and tighten them securely, alternating between bolts to ensure even pressure.

2.3. Front Wheel Installation

1. Remove the protective spacer from the front brake caliper.
2. Carefully align the front wheel with the fork dropouts, ensuring the brake rotor slides into the brake caliper.
3. Insert the axle into the fork dropouts and secure it with the provided washers and nuts. Tighten firmly with a wrench.

2.4. Front Fender Installation

1. Attach the front fender to the designated mounting points on the fork using the provided screws and Allen wrench.
2. Ensure the fender is securely fastened and does not interfere with the wheel's rotation.

2.5. Headlight Installation

1. Mount the headlight to the bracket on the front fork using the provided screws.
2. Connect the headlight cable to the corresponding port on the bike's wiring harness. Ensure a secure connection.

2.6. Pedal Installation

1. Identify the left (L) and right (R) pedals. The left pedal has reverse threading.
2. Thread the 'L' pedal counter-clockwise into the left crank arm.
3. Thread the 'R' pedal clockwise into the right crank arm.
4. Tighten both pedals firmly with a wrench.

3. Operating Instructions

Familiarize yourself with the controls and features of your Jasion YR20 electric bike before riding.

3.1. Powering On/Off

To power on the bike, insert the key into the battery lock and turn it to the 'ON' position. Press and hold the power button on the LCD display until it illuminates. To power off, reverse the process.

3.2. LCD Display Functions



Figure 2: Smart LCD Display

- **Speed Display:** Shows current speed in MPH or Km/h.
- **Battery Percentage:** Indicates remaining battery life.
- **PAS Levels:** Adjust pedal-assist levels (1-5) for varying motor assistance.
- **Riding Data Record:** Displays trip distance, total odometer, and riding time.
- **Cruise Control Mode:** Activate for consistent speed riding.

3.3. Riding Modes

- **Pedal Assist Mode (PAS):** The motor provides assistance as you pedal. Adjust levels for more or less power.
- **Throttle Mode:** Use the throttle for power without pedaling.
- **Manual Mode:** Ride the bike like a traditional bicycle without motor assistance.

3.4. Lighting System



Figure 3: Bright LED Light System

The bike is equipped with a full lighting system for safety:

- **Front Light:** For illuminating your path.
- **Brake Light:** Activates when brakes are applied.
- **Turn Signals:** For indicating turns.

4. Maintenance

Regular maintenance ensures the longevity and optimal performance of your Jasion YR20 electric bike.

- **Tire Pressure:** Check tire pressure regularly. The 20"x4" fat tires require specific pressure for different terrains. Refer to the tire sidewall for recommended PSI.
- **Brakes:** Inspect hydraulic disc brakes for wear and proper function. Ensure brake levers are responsive.
- **Chain:** Keep the chain clean and lubricated to prevent rust and ensure smooth operation.
- **Battery:** Charge the 48V 20Ah removable battery regularly, especially after long rides. Avoid completely draining the battery. Store in a cool, dry place.
- **Fasteners:** Periodically check all bolts and nuts for tightness, especially on the handlebars, wheels, and seat.
- **Cleaning:** Clean the bike with a damp cloth. Avoid high-pressure washing directly on electrical components.

5. Troubleshooting

This section addresses common issues you might encounter with your Jasion YR20 electric bike.

- **Bike Not Powering On:**
  - Check if the battery is fully charged.
  - Ensure the battery is securely seated and locked in place.
  - Verify the key is turned to the 'ON' position.
- **Motor Not Assisting:**
  - Check the PAS level on the LCD display; ensure it's not set to 0.
  - Ensure all electrical connections are secure.
  - Check for any error codes on the LCD display and consult the full user manual for their meaning.
- **Brakes Squealing/Ineffective:**
  - Brake pads may be worn and require replacement.
  - Brake rotors may be dirty; clean with a suitable brake cleaner.
  - Hydraulic fluid may be low or require bleeding; consult a professional.
- **Unusual Noises:**
  - Check for loose components or fasteners.
  - Inspect the chain for proper tension and lubrication.
  - Ensure no debris is caught in the wheels or drivetrain.

For complex issues or repairs, it is recommended to contact Jasion customer support or a certified e-bike technician.

6. Specifications

Key technical specifications for the Jasion YR20 Electric Bike:

Feature	Specification
Bike Type	Electric Bike
Motor	1000W Brushless (Peak 2000W)
Max Speed	32 MPH

Battery	48V 20Ah (960WH) Removable Lithium-ion
Max Range	Up to 80 miles (PAS mode)
Charging Time	5-7 hours
Wheel Size	20 Inches (4.0" Fat Tires)
Frame Material	High Carbon Steel
Suspension Type	Dual (Front & Rear Shock Absorbers)
Brake Style	Hydraulic Disc Brakes
Number of Speeds	7
Load Capacity	330 lbs
Bicycle Weight	87 lbs
Rider Height Range	5'5" - 6'7"

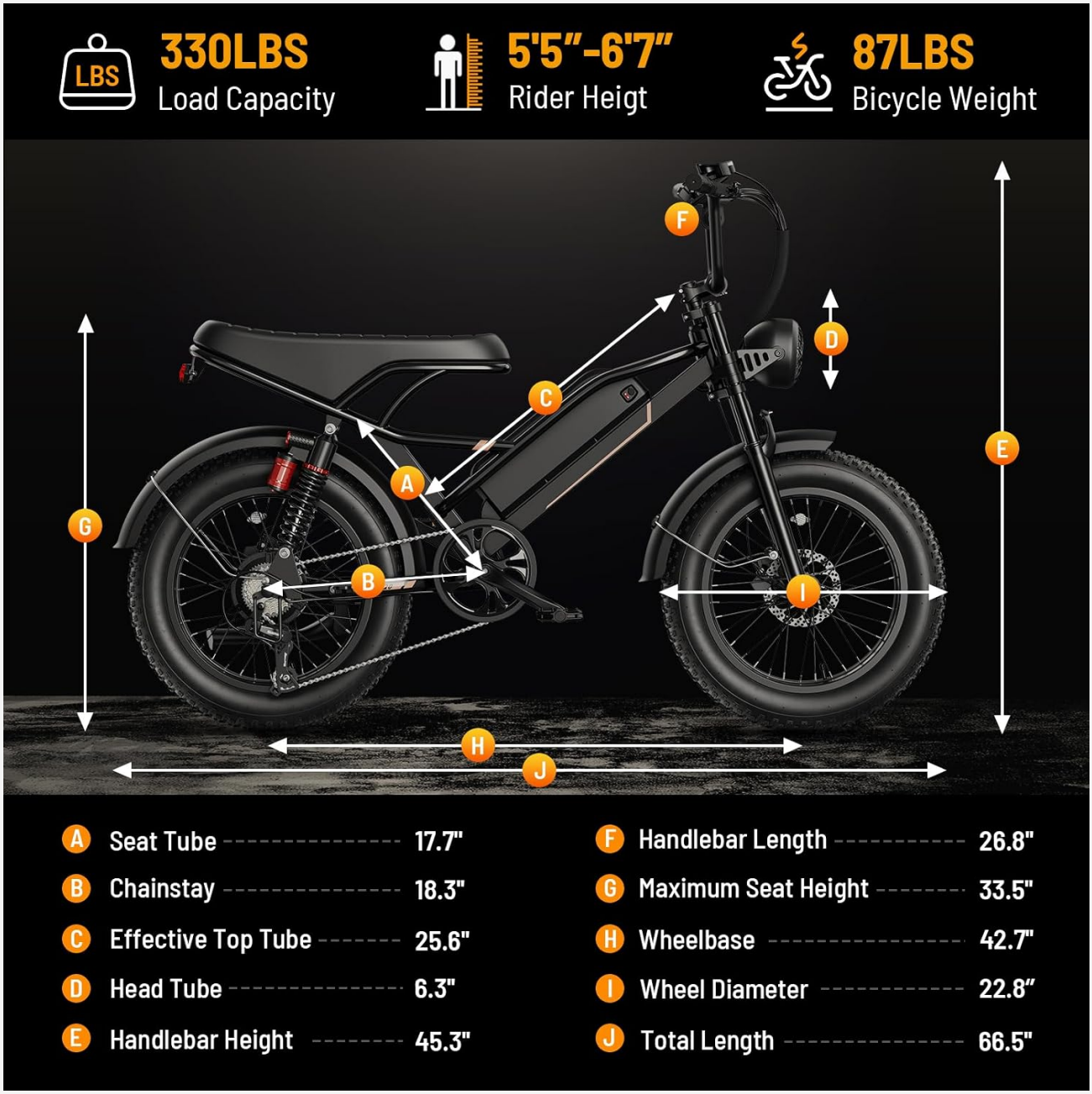

Figure 4: Jasion YR20 Electric Bike Key Dimensions

7. Warranty and Support

Jasion provides a limited warranty for the YR20 Electric Bike.

- **Warranty Period:** 1 Year Limited Warranty.
- **Coverage:** Covers manufacturing defects in materials and workmanship. Does not cover normal wear and tear, misuse, or damage from accidents.

For warranty claims, technical support, or any inquiries, please visit the official Jasion website or contact their customer service directly. Ensure you have your purchase receipt and product serial number available.

© 2025 Jasion. All rights reserved.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

https://manuals.plus/asin/B0F3HVLMP4

More documents and user manuals: **https://manuals.plus/**