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› SAMEBIKE 20" Electric Bike User Manual

SAMEBIKE CY20-FT

SAMEBIKE 20" Electric Bike User Manual

Model: CY20-FT

1. INTRODUCTION

Thank you for choosing the SAMEBIKE 20" Electric Bike, model CY20-FT. This manual provides essential information for the safe operation, assembly, maintenance, and troubleshooting of your electric bicycle. Please read this manual thoroughly before your first ride to ensure proper usage and to maximize the lifespan of your e-bike. Keep this manual for future reference.

2. SAFETY INSTRUCTIONS

Your safety is paramount. Always adhere to the following safety guidelines:

- **Helmet Use:** Always wear a certified bicycle helmet when riding.
- **Pre-Ride Check:** Before each ride, inspect brakes, tires, battery charge, and ensure all quick releases and fasteners are secure.
- **Traffic Laws:** Obey all local traffic laws and regulations.
- **Visibility:** Use the integrated lights and wear reflective clothing, especially when riding at night or in low-light conditions.
- **Weather Conditions:** Exercise caution when riding in wet conditions, as braking distance may increase. Avoid riding in severe weather.
- **Weight Limit:** Do not exceed the maximum weight recommendation of 330 lbs (150 kg).
- **Battery Safety:** Do not attempt to open or modify the battery. Use only the provided charger. Avoid exposing the battery to extreme temperatures or direct sunlight for prolonged periods.
- **Children:** This e-bike is designed for adults. Do not allow children to operate the bicycle.

3. ASSEMBLY AND SETUP

Your SAMEBIKE electric bicycle comes over 85% pre-assembled. The following steps detail the final assembly and initial setup.

3.1 Unpacking and Initial Inspection

Carefully remove the bicycle from its packaging. Inspect for any visible damage during transit. Retain packaging for potential future

transport or returns.

3.2 Handlebar and Stem Assembly

Unfold the stem and secure it in the upright position. Adjust the handlebar height to a comfortable riding position and tighten the quick-release lever or bolts securely.

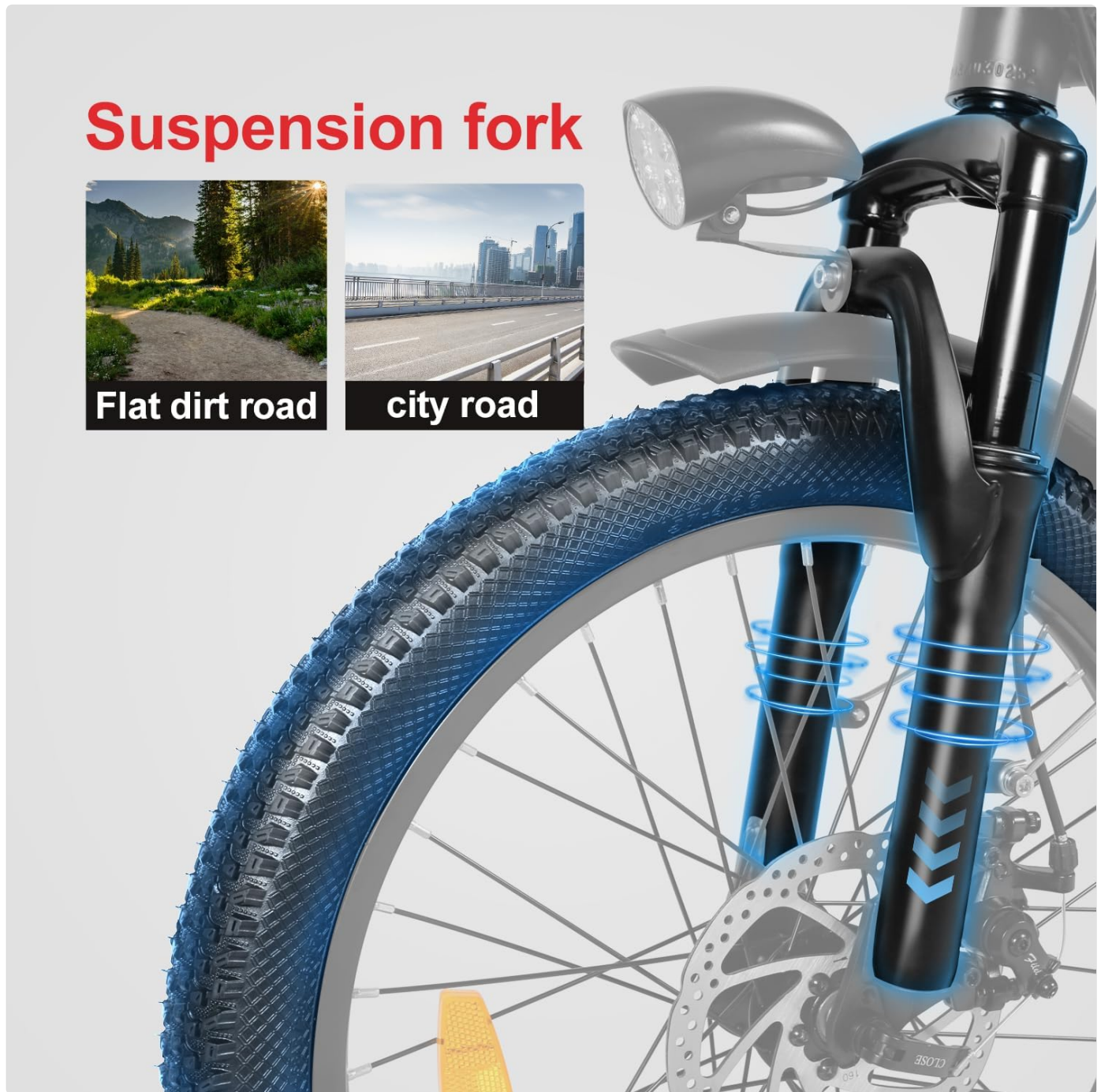


Image: The SAMEBIKE electric bike showing the handlebar assembly, including the display, thumb throttle, and 7-speed shifter. This view highlights the rider's control interface.

3.3 Seat Post and Saddle Installation

Insert the seat post into the frame's seat tube. Adjust the saddle height to allow for a slight bend in your knee when the pedal is at its lowest point. Secure the seat post with the quick-release clamp.



Comfort saddle



Headlight



Step through



Backseat

Image: Close-up view of the SAMEBIKE electric bike's comfort features, including the adjustable comfort saddle, integrated headlight, step-through frame design, and rear backseat.

3.4 Pedal Installation

Identify the left (L) and right (R) pedals. The right pedal tightens clockwise, and the left pedal tightens counter-clockwise. Ensure they are fully tightened to prevent loosening during use.

3.5 Battery Installation and Charging

The 468Wh removable battery is typically located within the frame or on the rear rack. Insert the battery securely and lock it with the key if applicable. Before your first ride, fully charge the battery using the provided charger. A full charge takes approximately 4 hours.



Image: Detailed view of the SAMEBIKE electric bike's 468Wh removable battery, highlighting its easy removal for charging or storage, and its waterproof design.

4. OPERATING INSTRUCTIONS

Familiarize yourself with the controls and riding modes of your SAMEBIKE electric bike.

4.1 Powering On/Off and Display Usage

Press and hold the power button on the LCD display to turn the bike on or off. The display shows speed, battery level, mileage (ODO/TRIP), and Pedal Assist System (PAS) level. Refer to the display's specific manual for detailed functions.



Image: The LCD display and handlebar controls of the SAMEBIKE electric bike, showing the thumb throttle, light and horn controls, and the 7-speed shifter.

4.2 Riding Modes

The SAMEBIKE CY20-FT offers multiple riding modes:

- **Pedal Assist System (PAS) Mode:** Provides motor assistance as you pedal. There are typically multiple PAS levels (e.g., 1-5) to adjust the amount of assistance. This mode can provide a range of over 40 miles.
- **Pure Electric Mode:** Engages the motor via the thumb throttle without pedaling. This mode offers a range of approximately 21 miles on a full charge.
- **Manual Mode:** Ride the bike like a traditional bicycle without any motor assistance.

4.3 Gear Shifting

The bike is equipped with a 7-speed Shimano shifter. Use the shifter on the right handlebar to change gears according to terrain and desired pedaling effort. Lower gears are for climbing hills, higher gears for flat terrain and speed.

4.4 Braking System

The bike features front and rear upgraded $\Phi 160\text{mm}$ dual disc brakes. Apply both brake levers simultaneously for effective and controlled stopping. Ensure brake levers are easily accessible and responsive.



Image: An exploded view diagram of the SAMEBIKE electric bike's 560W peak motor and rear disc brake, illustrating the internal components and braking mechanism.

4.5 Lighting System

Activate the front 250 lumen LED light and the eye-catching brake tail light for improved visibility, especially during night riding or in low-light conditions.

4.6 Folding Mechanism

The SAMEBIKE CY20-FT features a foldable design for convenient storage and transport. Locate the folding latches on the frame and stem. Follow the manufacturer's instructions for safe folding and unfolding to prevent damage or injury.

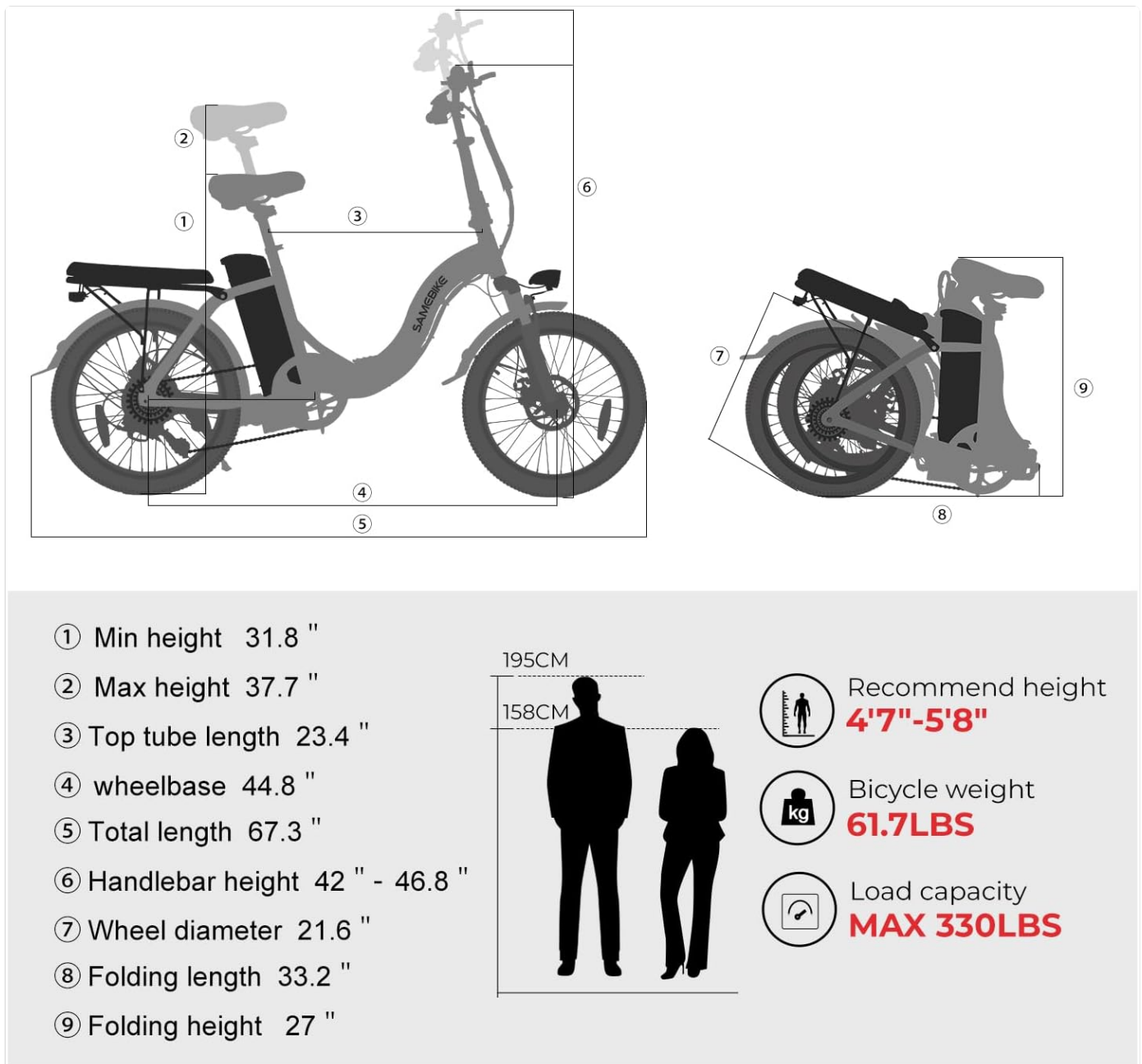


Image: Diagrams illustrating the dimensions of the SAMEBIKE electric bike in both unfolded and folded configurations, providing measurements for height, length, and wheelbase.

5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your electric bike.

- **Battery Care:**

- Charge the battery regularly, even if not in use, to maintain its health.
- Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures.
- Do not fully discharge the battery before recharging.

- **Tire Pressure:** Check tire pressure before each ride. Maintain recommended PSI (usually printed on the tire sidewall) for optimal performance and safety.
- **Brakes:** Regularly inspect brake pads for wear and brake cables for tension. Adjust or replace as needed. Ensure brake levers engage smoothly and stop the bike effectively.
- **Chain and Drivetrain:** Keep the chain clean and lubricated. Inspect gears for wear or damage.
- **Fasteners:** Periodically check all bolts, nuts, and quick releases to ensure they are tight and secure.

- **Cleaning:** Clean the bike with a damp cloth and mild soap. Avoid high-pressure washing directly on electrical components.
- **Professional Service:** For complex repairs or electrical issues, consult a qualified bicycle mechanic or SAMEBIKE customer support.

6. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Bike does not power on.	Battery not charged or not properly seated. Loose electrical connection.	Ensure battery is fully charged and securely installed. Check all visible cable connections.
Motor not assisting.	PAS level set to zero. Brake levers engaged. Faulty sensor.	Increase PAS level on the display. Ensure brake levers are fully released. Consult support if issue persists.
Battery not charging.	Charger not connected properly. Faulty charger or battery.	Verify charger is securely plugged into both the battery and power outlet. Check for indicator lights on the charger.
Brakes feel weak.	Worn brake pads. Loose brake cables.	Inspect brake pads and replace if worn. Adjust brake cable tension.

For issues not listed here or if solutions do not resolve the problem, please contact SAMEBIKE customer support.

7. SPECIFICATIONS

Key technical specifications for the SAMEBIKE CY20-FT Electric Bike:

Model Name	CY20-FT
Bike Type	Electric Bike
Brand	SAMEBIKE
Age Range	Adult
Motor	500W Brushless (Peak 560W)
Top Speed	19 MPH
Battery	468Wh (432 Watt Hours Lithium Battery Energy Content) Removable
Pure Electric Range	Up to 21 miles
PAS Mode Range	Up to 40+ miles
Charging Time	Approx. 4 hours
Number of Speeds	7
Wheel Size	20 Inches
Frame Material	Carbon Steel
Suspension Type	Front
Brake Style	Disc (Φ160mm Dual Disc Brakes)

Item Weight	28 Kilograms (61.7 lbs)
Maximum Weight Recommendation	150 Kilograms (330 lbs)
Minimum User Height	66 Inches (5'6")
Special Features	Waterproof, LCD-Display, Foldable Design
Included Components	E Bike Accessory Kit, Electric Bike, Charger

8. WARRANTY AND SUPPORT

Your SAMEBIKE electric bike comes with a Limited Warranty. Please refer to the warranty card included with your purchase for specific terms and conditions, including coverage duration and what is covered.

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact SAMEBIKE customer support through their official website or the retailer where you purchased the product. Have your model name (CY20-FT) and purchase information ready when contacting support.