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› Tifgalop 20-inch Electric Mountain Bike (Model XC20-FBM) User Manual

tifgalop XC20-FBM

Tifgalop 20-inch Electric Mountain Bike (Model XC20-FBM) User Manual

Model: XC20-FBM

1. INTRODUCTION

Thank you for choosing the Tifgalop 20-inch Electric Mountain Bike, model XC20-FBM. This manual provides essential information for the safe assembly, operation, and maintenance of your electric bicycle. Please read this manual thoroughly before your first ride and keep it for future reference.



Figure 1: Tifgalop 20-inch Electric Mountain Bike (Model XC20-FBM)

2. SAFETY INFORMATION

Your safety is paramount. Always wear a helmet and appropriate safety gear when riding. Ensure all components are correctly assembled and secured before each use. Adhere to local traffic laws and regulations. Avoid riding in adverse weather conditions or on unsafe terrain.

- Always perform a pre-ride inspection, checking brakes, tire pressure, and battery level.
- Do not modify the bicycle or its components, as this may void the warranty and compromise safety.
- Be aware of your surroundings and ride defensively.
- Do not exceed the maximum load capacity of 150 kg.

3. PACKAGE CONTENTS

Upon unpacking, please verify that all the following items are included:

- Tifgalop 20-inch Electric Mountain Bike (XC20-FBM)

- Battery Charger
- Rearview Mirror
- Helmet
- Phone Holder
- E-bike Lock
- Tool Kit
- User Manual

4. SETUP AND ASSEMBLY

The Tifgalop XC20-FBM electric bicycle arrives 90% pre-assembled. The final assembly typically takes about 5 minutes and requires the included tools. Follow the detailed instructions provided in the separate assembly guide for proper setup.

Key assembly steps include:

1. Attaching the handlebars and ensuring they are securely tightened.
2. Installing the front wheel and fender.
3. Mounting the pedals.
4. Adjusting the seat height for comfortable riding.
5. Connecting the battery and checking all electrical connections.

5. OPERATING INSTRUCTIONS

5.1. Battery and Charging

The bike is equipped with a removable 48V, 20Ah lithium battery. This high-capacity battery provides a range of 50 to 150 km depending on terrain, assist level, and rider weight. A full charge takes approximately 6 to 8 hours.

- To charge, connect the charger to the battery charging port and then to a power outlet.
- The battery can be charged while installed on the bike or removed.
- Always use the original Tifgalop charger.

SAFE AND EFFICIENT HIGH-CAPACITY BATTERY



Figure 2: Removable High-Capacity Battery

5.2. Motor and Power Assist

The electric bicycle features a high-frequency brushless motor, delivering strong acceleration and a maximum torque of 70 Nm. This motor provides excellent performance for various terrains, including mountain trails, beaches, snow, and city streets.

- The bike offers multiple pedal assist levels, which can be selected via the LCD display.
- A throttle is also available for power on demand without pedaling.

POWERFUL BRUSHLESS MOTOR



70 NM
TORQUE



7SPEED
EFFICIENT GEARING



30°
CLIMBING ABILITY



Figure 3: Powerful Brushless Motor

5.3. Display and Controls

The HD color LCD display shows real-time speed, battery power, pedal assist levels, and mileage. Controls for mode switching, seven-speed gear, and throttle are conveniently located on the handlebars.



Figure 4: HD Color LCD Display and Handlebar Controls

5.4. Suspension System

This mountain bike features a full suspension system, including a double-shoulder front fork and a rear shock absorber. This design significantly improves riding comfort and shock absorption, especially on uneven terrain.

FULL SUSPENSION

Featuring Front Suspension and Dual Disc Brakes
Providing outstanding shock absorption performance.

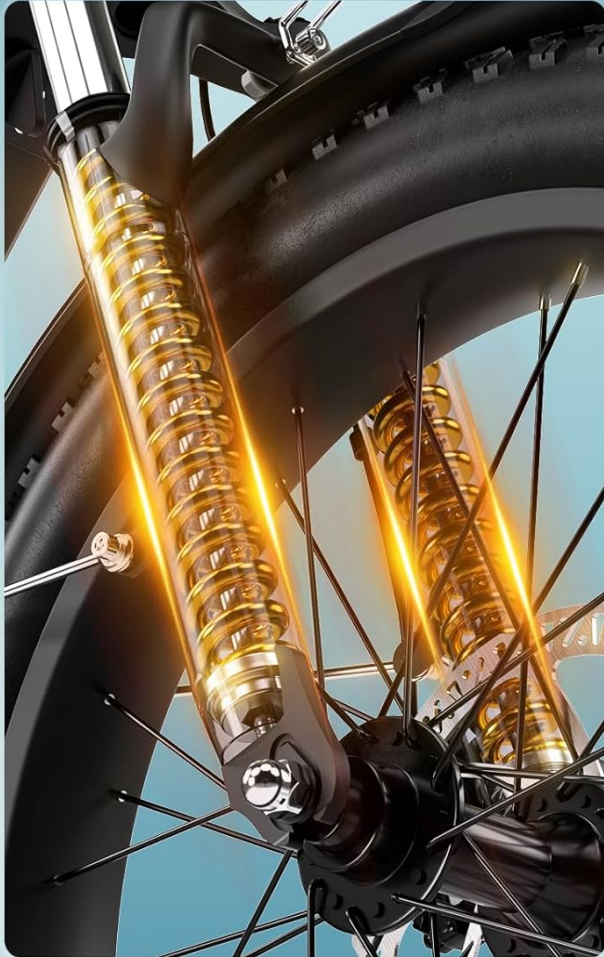


Figure 5: Full Suspension System

5.5. Braking System

The electric mountain bike is equipped with front and rear hydraulic disc brakes. These brakes ensure shorter braking distances and provide fast, consistent stopping power, even at high speeds, enhancing safety, stability, and handling.

DUAL DISC BRAKES HYDRAULIC DISC BRAKE

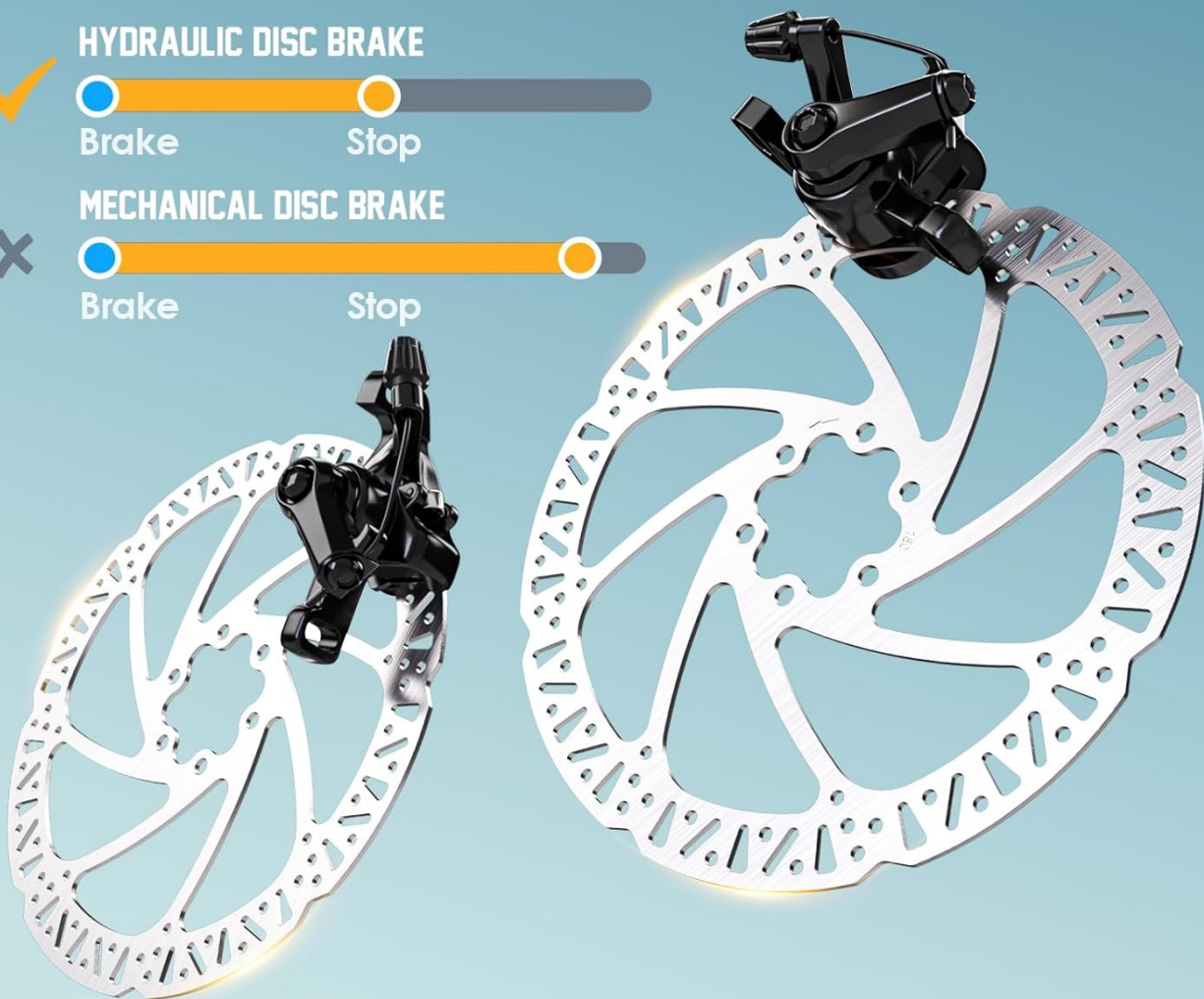


Figure 6: Front and Rear Hydraulic Disc Brakes

5.6. Tires

The 20x3-inch wide fat tires provide excellent grip and traction, making the bike suitable for various terrains including city roads, snow roads, and sandy land.



Figure 7: 20x3-inch Fat Tires

5.7. Riding Video

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Video 1: Demonstrating the Tifgalop electric bike in urban environments, highlighting its smooth ride and features.

6. MAINTENANCE

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

- **Tires:** Check tire pressure regularly and inflate to the recommended PSI. Inspect for wear and tear.
- **Brakes:** Periodically check brake pads for wear and ensure brake levers are responsive. Adjust as needed.
- **Chain:** Keep the chain clean and lubricated for smooth gear changes and to prevent rust.
- **Battery:** Store the battery in a cool, dry place and charge it regularly, even if not in use, to maintain its health. Avoid fully discharging the battery.
- **Fasteners:** Regularly check all bolts, nuts, and quick releases to ensure they are tight and secure.
- **Cleaning:** Clean the bike with a damp cloth. Avoid using high-pressure water jets directly on electrical components.

7. TROUBLESHOOTING

If you encounter issues with your Tifgalop electric bike, refer to the following common troubleshooting tips:

- **Bike not turning on:** Check if the battery is properly inserted and charged. Ensure all electrical connections are secure.
- **Motor not assisting:** Verify the pedal assist level on the display. Check if the brake levers are fully released, as some systems cut power when brakes are engaged.
- **Brakes feel weak:** Inspect brake pads for wear. Ensure brake cables (if mechanical) or hydraulic fluid (if hydraulic) are in good condition. Adjust or replace as necessary.
- **Unusual noises:** Check for loose components, rubbing parts (e.g., brake pads on rotor), or issues with the chain or gears.

For persistent issues, please contact Tifgalop customer support.

8. SPECIFICATIONS

Feature	Specification
Model Number	XC20-FBM
Brand	tifgalop
Bicycle Type	City Bike, Electric Bike
Recommended Age	Adults
Color	Black
Wheel Size	20 Inches
Frame Material	Aluminum
Number of Speeds	7
Suspension Type	Suspension (Dual Suspension)
Brake Type	Disc (Hydraulic Disc Brakes)
Item Weight	42.6 Kilograms
Battery	48V 20Ah Lithium (Removable)
Motor Torque	70 Nm
Charging Time	6-8 Hours
Range (Assisted)	50-150 km
Maximum Load	150 kg
Package Dimensions	358.14 x 167.64 x 28 cm

9. WARRANTY AND SUPPORT

The Tifgalop XC20-FBM electric bicycle is CE certified, ensuring it meets European safety standards. It comes with a 180-day parts warranty and lifetime technical support.

- For any questions or technical assistance, please contact Tifgalop customer service.
- Our support team is available 24/7 online to address your inquiries.