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ENGWE Engine Pro

ENGWE Engine Pro Electric Bike User Manual

Model: Engine Pro

Brand: ENGWE

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your ENGWE Engine Pro Folding Electric Bike. The Engine Pro is equipped with a powerful 1000W peak motor, a long-lasting 48V 16A battery offering up to 75 miles of range, and durable 4.0x20 inch fat tires. It features full suspension and hydraulic disc brakes for a comfortable and safe ride across various terrains. Please read this manual thoroughly before your first ride.



Figure 1: ENGWE Engine Pro Folding Electric Bike

2. SAFETY GUIDELINES

Your safety is paramount. Always wear a helmet and appropriate safety gear when riding. Familiarize yourself with local laws and regulations regarding electric bikes. Perform a pre-ride inspection before each use, checking brakes, tires, battery level, and all connections. Avoid riding in adverse weather conditions or on unsafe terrain. This product is UL 2849 Certified, GCC, and GCC-CPSC-16CFR1512 compliant.

- Always wear a certified helmet and appropriate safety gear.
- Familiarize yourself with local traffic laws and e-bike regulations.
- Perform a pre-ride safety check: inspect tires, brakes, battery, and all connections.
- Do not ride under the influence of alcohol or drugs.
- Be aware of your surroundings and ride defensively.

3. SETUP AND ASSEMBLY

The ENGWE Engine Pro is designed for straightforward assembly. Included tools will assist in the process. Ensure all components are securely fastened before riding.

3.1 Folding Frame Adjustment

The folding mechanism allows for easy storage and transport. If the folding handle latch feels too tight or too loose, it can be adjusted.

Video 3.1: Instructions on how to adjust the folding frame latch for optimal tightness.

3.2 Key Components Overview



Figure 3.2.1: The powerful 1000W peak motor, delivering 55N.m torque for strong acceleration and climbing.



Figure 3.2.2: The 48V 16A battery, providing extended range for long rides.

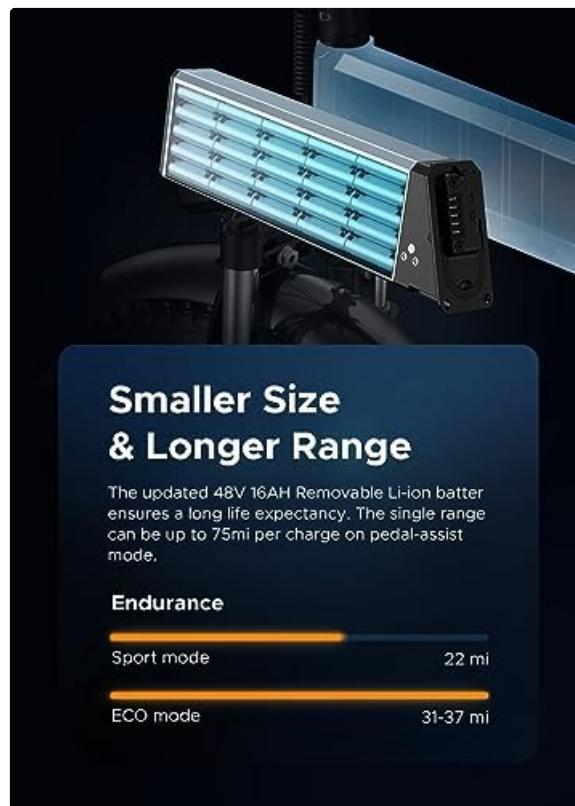


Figure 3.2.3: Durable 4.0x20 inch fat tires and dual suspension system for comfortable all-terrain riding.

4. OPERATING INSTRUCTIONS

The ENGWE Engine Pro features a user-friendly display and controls for various riding modes and information.

4.1 Display and Controls

The handlebar-mounted display provides real-time information such as speed, trip distance, and battery level. It also allows you to switch between different pedal-assist modes and activate the throttle.

Video 4.1.1: Detailed guide on the Engine Pro display and replacement of its waterproof cable.

Video 4.1.2: Instructions on how to restore the factory default settings on the display.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your electric bike. Keep your bike clean, especially after riding in wet or muddy conditions. Check tire pressure regularly and lubricate the chain as needed.

5.1 Hydraulic Brake Replacement

For consistent stopping power, inspect your hydraulic brakes periodically. If replacement is necessary, follow these steps:

Video 5.1.1: Guide on how to replace the hydraulic brakes on your ENGWE Engine Pro.

5.2 Motor Replacement

In the event of motor issues, replacement may be required. This video provides a detailed guide:

Video 5.2.1: Step-by-step instructions for replacing the motor on your electric bike.

5.3 Sensor and Crank Installation

If the pedal-assist sensor or crank requires attention, refer to the following guide:

Video 5.3.1: Instructions for replacing the sensor and crank components.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your ENGWE Engine Pro.

6.1 E25 Error Code Troubleshooting

If your display shows an E25 error code, it typically indicates a brake fault. Follow these steps to diagnose and resolve the issue:

Video 6.1.1: Troubleshooting steps for the E25 brake fault code.

7. SPECIFICATIONS

Feature	Specification
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Bike Type	Fat Tire, Electric Bike
Age Range (Description)	Adult
Brand	ENGWE
Number of Speeds	8
Color	Black
Wheel Size	20 Inches
Frame Material	Aluminum
Suspension Type	Rear, Front, Dual
Special Feature	Digital Display, Portable, Multi-Speed, Dual Suspension, Durable
Included Components	Assembly tools, Battery
Size	Large
Brake Style	Disc
Model Name	Engine Pro
Power Source	Battery
Wheel Material	Aluminum
Lithium Battery Energy Content	768 Watt Hours
Assembly Required	Yes
Bicycle Gear Shifter Type	Trigger
Minimum User Height	64 Inches
Derailleur Configuration	Rear
UPC	772835266059
Bicycle Drivetrain Type	Derailleur
Electric Assist Type	Pedal Assist and Throttle On Demand (TOD)
Battery Life	5 Hours
Item Dimensions LxWxH	68.8 x 22.4 x 48.4 inches

8. WARRANTY INFORMATION

Warranty information for the ENGWE Engine Pro is provided by the manufacturer. Please refer to the documentation included with your purchase or contact ENGWE customer support for details regarding warranty coverage and terms.

9. CUSTOMER SUPPORT

For any questions, technical assistance, or support regarding your ENGWE Engine Pro electric bike, please contact the manufacturer's customer service. ENGWE BIKES is committed to providing prompt response and resolution within 24 hours for any issues you may encounter.

Visit the official ENGWE Store for more information and support resources: [ENGWE Store on Amazon](#)