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EBTOOLS EBTOOgat67r4mws

EBTOOLS Electric Scooter Controller Board Kit User Manual

Model: EBTOOgat67r4mws

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your EBTOOLS Electric Scooter Controller Board Kit. This kit is designed to replace or upgrade the control system for compatible electric scooter models, ensuring stable and reliable performance. Please read this manual thoroughly before attempting any installation or operation.

2. PRODUCT FEATURES

- **Excellent Heat Dissipation:** The controller case is constructed from grooved metal material, effectively preventing internal circuit overheating and ensuring consistent performance.
- **Comprehensive Kit for Easy Replacement:** This set includes the controller, dashboard, and essential accessories, simplifying the replacement and installation process to meet user needs.
- **Stable and Reliable Performance:** The controller operates at a rated voltage of 36V and a rated power of 350W, delivering stable and dependable performance. It incorporates various protection functions, including undervoltage protection, overcurrent protection, and stall protection, to ensure safe electric scooter operation.
- **Precise Speed Control:** The controller set provides stable speed control through sensitive braking and accurate directional change capabilities.
- **Wide Compatibility:** This controller set is compatible with a broad range of electric scooters, including M365, 1s, Pro, Pro2, and imitation YFS models, offering versatility for various applications.

3. PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- 1 x Electric Scooter Controller (DC36V 350W)
- 1 x Dashboard Display Unit
- 1 x Throttle Grip Assembly
- 1 x Set of Connection Cables
- 2 x Adhesive Pads (for dashboard mounting)

2. **Access Existing Components:** Carefully remove the necessary covers and panels to access the existing controller, dashboard, and throttle wiring.
3. **Disconnect Old Components:** Systematically disconnect all wires from the old controller, dashboard, and throttle. Take photos or make notes of the wiring connections for reference.
4. **Install New Controller:** Mount the new EBTOOLS controller in the designated location. Ensure it is securely fastened and has adequate space for airflow to utilize its heat dissipation features.
5. **Connect New Dashboard and Throttle:** Install the new dashboard display unit and throttle grip. Connect their respective cables to the new controller, matching the connections carefully. Refer to your scooter's specific wiring diagram if available.
6. **Secure Wiring:** Route and secure all cables to prevent pinching or damage during scooter operation.
7. **Reconnect Battery and Test:** Reconnect the scooter battery. Power on the scooter and perform a functional test of the throttle, brakes, lights, and display.
8. **Reassemble Scooter:** Once all functions are verified, reassemble the scooter covers and panels.



Image 2: Detailed view of the dashboard display unit.

6. OPERATING INSTRUCTIONS

After successful installation, operate your electric scooter according to its original manufacturer's guidelines, utilizing the new controller and dashboard for enhanced control.

- **Power On/Off:** Use the power button on the dashboard to turn the scooter on or off.
- **Speed Control:** The throttle grip controls acceleration. Apply gentle pressure to increase speed.
- **Braking:** Use the scooter's brake levers for deceleration. The controller provides sensitive braking response.
- **Display Information:** The dashboard displays current speed, battery level, and riding mode (e.g., ECO, D, S).
- **Mode Selection:** Refer to your scooter's specific instructions for changing riding modes via the dashboard interface.



Image 3: Electric scooter in use, demonstrating the application of the controller kit.

7. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your controller kit.

- **Regular Inspection:** Periodically check all connections for tightness and signs of wear or corrosion.

- **Cleaning:** Keep the controller and dashboard free from dust, dirt, and moisture. Use a soft, dry cloth for cleaning. Avoid using harsh chemicals or abrasive materials.
- **Avoid Overheating:** Ensure the controller's heat sink fins are not obstructed to allow for proper heat dissipation.
- **Environmental Protection:** Protect the scooter and its electronic components from extreme temperatures and direct exposure to water.

8. TROUBLESHOOTING

If you encounter issues, refer to the following common troubleshooting tips:

- **Scooter Not Powering On:**
 - Check battery connection and charge level.
 - Ensure all power cables to the controller are securely connected.
- **No Throttle Response:**
 - Verify the throttle cable is correctly connected to the controller.
 - Check for any error codes on the dashboard display.
- **Inaccurate Speed Display:**
 - Ensure the dashboard cable is properly connected.
 - Confirm the wheel size setting (if adjustable) matches your scooter.
- **Error Codes:** If the dashboard displays an error code, consult your electric scooter's original manual or contact support for specific interpretations and solutions.

For persistent issues not resolved by these steps, please contact customer support.

9. WARRANTY INFORMATION

Specific warranty details for this EBTOOLS product are not provided in the available product information. Please refer to the seller's or manufacturer's official website, or contact their customer service directly for warranty terms and conditions.

10. SUPPORT

For technical assistance, installation guidance, or any other inquiries regarding your EBTOOLS Electric Scooter Controller Board Kit, please contact EBTOOLS customer support through the platform where you purchased the product or visit the official EBTOOLS brand store on Amazon:

[Visit the EBTOOLS Store on Amazon](#)