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Haofy Haofy5t7amskcrn-02

Electric Scooter Throttle Grip User Manual

Brand: Haofy | Model: Haofy5t7amskcrn-02

1. Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Haofy Electric Scooter Throttle Grip. This universal throttle is designed for electric bikes, scooters, and tricycles, featuring automatic voltage identification and a real-time LED display for accurate battery assessment.

2. Safety Information

Please read all safety warnings and instructions carefully before installation and use to prevent injury or damage. Keep this manual for future reference.



Figure 2.1: Important Safety Warning. Store the product separately from children's toys and other items to avoid accidental ingestion or choking hazards.

- Ensure the power is off before installation or maintenance.
- Do not attempt to modify the throttle grip or its wiring.
- Keep the product away from water and extreme temperatures.

- Always wear appropriate safety gear when operating electric vehicles.
- Store the product out of reach of children to prevent choking hazards.

3. Product Overview

The Haofy Electric Scooter Throttle Grip features a robust design with an integrated LED display for real-time voltage monitoring and a key for ignition control. It is constructed from durable Aluminium Alloy and Rubber.



Figure 3.1: Main components of the throttle grip set, including the right-hand throttle with integrated display and key, and the left-hand grip.



Figure 3.2: Rear view of the throttle grip showing the wiring harness for connection to the electric vehicle's system.

Key Features:

- **Universal Voltage Compatibility:** Automatically identifies voltages from 12V to 84V.
- **Real-time LED Display:** Accurately shows remaining battery power and voltage.
- **Durable Construction:** Made from high-quality Aluminium Alloy and Rubber.
- **Integrated Key Switch:** For secure power control.

4. Setup and Installation

Installation should be performed by an individual with basic electrical knowledge. Ensure the vehicle's power is completely off before beginning.

1. **Prepare the Handlebar:** Remove existing grips and clean the handlebar surface.
2. **Install Left Grip:** Slide the non-throttle grip onto the left side of the handlebar. Secure if necessary.
3. **Install Throttle Grip:** Slide the throttle grip onto the right side of the handlebar. Ensure it rotates smoothly without binding.
4. **Wiring Connection:**

- Identify the corresponding wires on your electric vehicle's controller.
- Connect the throttle's wiring harness (refer to Figure 3.2) to the vehicle's wiring. Common connections include:
  - Red wire: Positive power supply (typically +5V or +12V)
  - Black wire: Ground
  - Green wire: Signal output
  - Other wires (if present): May be for key switch, speed modes, or battery display. Consult your vehicle's wiring diagram if unsure.
- Ensure all connections are secure and insulated to prevent short circuits.

5. **Test Functionality:** After wiring, turn on the vehicle's power. Insert the key into the throttle and turn it to the ON position. Check the LED display for voltage reading and test the throttle's response.
6. **Secure Components:** Ensure all grips are firmly in place and wiring is neatly routed and secured to prevent interference with steering or braking.

5. Operating Instructions

Using your Haofy Electric Scooter Throttle Grip is straightforward:

1. **Power On:** Insert the key into the throttle's key slot and turn it to the 'ON' position. The LED display will illuminate, showing the current battery voltage.
2. **Voltage Reading Interpretation:**

   The LED display shows the real-time voltage. This allows you to accurately determine the remaining battery charge and assess the health of your lithium battery. For example, a fully charged 48V battery might read around 54.6V, while a depleted one might be around 42V. Refer to your vehicle's battery specifications for precise voltage ranges.
3. **Throttle Control:** Gently twist the throttle grip towards you to accelerate. Release the grip to decelerate. The throttle provides smooth and responsive control over your vehicle's speed.
4. **Power Off:** To turn off the vehicle, turn the key in the throttle to the 'OFF' position and remove it.

6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your throttle grip:

- **Cleaning:** Wipe the throttle grip and display screen with a soft, dry cloth. Avoid using abrasive cleaners or solvents.
- **Inspection:** Periodically check the wiring for any signs of wear, fraying, or loose connections. Ensure the grip rotates smoothly without sticking.
- **Storage:** If the vehicle is stored for an extended period, ensure the throttle is in the 'OFF' position and the key is removed. Store in a dry, cool place.

7. Troubleshooting

If you encounter issues with your throttle grip, refer to the following common problems and solutions:

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Display not lighting up / No power	Loose wiring connection, vehicle battery low, key not fully turned.	Check all wiring connections. Charge vehicle battery. Ensure key is fully turned to 'ON'.
Throttle not responding	Loose signal wire, faulty throttle, controller issue.	Verify signal wire connection. Test throttle with a multimeter if possible. Consult vehicle manufacturer for controller issues.
Inaccurate voltage reading	Incorrect wiring, display malfunction.	Double-check wiring against vehicle's diagram. If problem persists, the display unit may be faulty.
Throttle sticks or is stiff	Debris, improper installation, damaged internal mechanism.	Clean around the throttle mechanism. Re-install ensuring proper alignment. If damaged, replacement may be necessary.

8. Specifications

Feature	Detail
Brand	Haofy
Model Name	Haofy5t7amskcrn-02
Color	Silver
Material	Aluminium Alloy, Rubber
Universal Voltage	12V-84V (automatic identification)
Display Type	LED Digital Data Display
Package Dimensions	7.87 x 5.51 x 2.36 inches
Package Weight	302 Grams
First Available Date	July 31, 2023

9. Warranty and Support

For warranty information or technical support, please contact the manufacturer, Haofy, through their official channels or the retailer from whom the product was purchased. Please have your model number (Haofy5t7amskcrn-02) and purchase date ready when contacting support.
Visit the Haofy Store on Amazon for more products and information.

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