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> GOOFIT Group-103 Motorcycle Handlebar Kill Switch and Key Ignition Manual

## GOOFIT Group-103

# GOOFIT Group-103 Motorcycle Handlebar Kill Switch and Key Ignition Manual

## INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the GOOFIT Group-103 Motorcycle Handlebar Kill Switch and Key Ignition. This product is designed for use with various powersports vehicles, including 50cc, 70cc, 90cc, 110cc, and 125cc ATVs, scooters, and quads.

**Replacement for**  
**50cc 70cc 90cc 110cc 125cc**  
**ATV Scooter Quad.**



Image: The GOOFIT handlebar kill switch and key ignition set shown alongside examples of compatible vehicles such as ATVs, scooters, and dirt bikes, illustrating its broad application.

## SETUP AND INSTALLATION

The GOOFIT Group-103 unit includes a handlebar-mounted switch and a key ignition cylinder. Proper installation is crucial for safe and reliable operation.

### Components Overview



Image: A visual representation of the individual components: the handlebar switch assembly and the key ignition cylinder with its wiring, before assembly.

### Dimensions



Image: Technical drawing displaying the precise measurements of both the handlebar switch (40mm width, 62mm height, 22mm mounting diameter, 535mm cable length) and the key ignition (43mm length, 29mm diameter, 20.5mm key length, 257mm cable length).

## Installation Steps

- 1. Handlebar Switch Mounting:** The handlebar switch is designed for a 7/8" (approximately 22mm) mounting diameter. Securely attach the switch to the left handlebar using appropriate fasteners.
- 2. Key Ignition Installation:** Install the 4-wire electric female plug door lock key ignition in the designated location on your vehicle. Ensure the cap is properly seated.
- 3. Wiring Connections:** Connect the 8-wire double male plug from the handlebar switch and the 4-wire electric female plug from the ignition to your vehicle's electrical system. Refer to your vehicle's specific wiring diagram for correct connections. The internal circuit design is optimized for reliable electrical connection.
- 4. Functionality Check:** After installation, test all functions: starter, off, and headlight (high/low beam).



Replacement for 50cc 70cc 90cc 110cc 125cc ATV Scooter Quad.

Image: An illustration demonstrating typical installation points for the key ignition on the vehicle's body and the handlebar switch on the left handlebar, with red dotted lines indicating placement.

## OPERATING INSTRUCTIONS

The GOOFIT Group-103 provides essential control functions for your vehicle.

### Handlebar Switch Functions

- **Starter Button:** Press the designated button to engage the starter motor and start the engine.
- **Engine Kill Switch:** Use the red kill switch to immediately cut off engine power for safety. This is a critical safety feature.
- **Headlight Control:** The switch includes controls for the vehicle's headlights, allowing you to toggle between high and low beams.

### Key Ignition Operation

- Insert the key into the ignition cylinder.

- Turn the key to the 'ON' position to supply power to the vehicle's electrical system.
- Turn the key to the 'OFF' position to cut power and shut down the vehicle.
- Remove the key when the vehicle is not in use to prevent unauthorized operation.

This system ensures smooth and reliable starting and shutting off, enhancing the overall durability and protection of your vehicle.

## MAINTENANCE

To ensure the longevity and optimal performance of your GOOFIT Group-103 unit, follow these maintenance guidelines:

- **Regular Inspection:** Periodically inspect all wiring connections for tightness and signs of wear or corrosion. Loose connections can lead to intermittent operation or electrical issues.
- **Cleaning:** Keep the handlebar switch and key ignition mechanism free from dirt, dust, and debris. Use a soft, dry cloth for cleaning. Avoid using harsh chemicals or abrasive materials that could damage the plastic or metal components.
- **Environmental Protection:** The components are designed with rust-resistant surface treatment. However, prolonged exposure to extreme weather conditions should be minimized where possible.
- **Functionality Check:** Regularly test the starter, kill switch, and headlight functions to ensure they operate correctly.

## TROUBLESHOOTING

If you encounter issues with your GOOFIT Group-103 unit, consider the following troubleshooting steps:

- **No Power/Intermittent Function:**
  - Check all wiring connections for secure contact. Ensure no wires are loose, frayed, or corroded.
  - Verify that the vehicle's battery is charged and providing the correct 12 Volts operating voltage.
  - Inspect the fuses in your vehicle's electrical system.
- **Ignition Switch Malfunction:**
  - Ensure the key is fully inserted and turned to the correct position.
  - **Wiring Configuration Note:** The ignition switch has 4 terminals. Two terminals connect when the ignition is OFF, and two connect when the ignition is ON. Verify this configuration matches your vehicle's specific wiring requirements. Incorrect wiring can lead to unexpected behavior.
- **Kill Switch Not Functioning:**
  - Check the wiring to the kill switch for any disconnections or damage.
  - Ensure the switch mechanism itself is not obstructed or damaged.
- **Headlight Control Issues:**
  - Verify the headlight bulbs are functional.
  - Check the wiring from the switch to the headlights.

If these steps do not resolve the issue, it is recommended to consult a qualified powersports technician for further diagnosis and repair.

## PRODUCT SPECIFICATIONS

Feature	Specification
Brand	GOOFIT
Model Number	Group-103
Mounting Type	Handlebar Mount
Mounting Diameter	7/8" (22mm)
Operating Voltage	12 Volts
Current Rating	35 Amps
Connector Type	Plug In
Circuit Type	3-way
Number of Positions	3
Control Type	Starter, Off, Headlight (High/Low Beam)
Actuator Type	Ignition
Contact Material	Metal
International Protection Rating	IP00
Product Dimensions (L x W x H)	4.72 x 3.15 x 2.36 inches
Item Weight	1.76 ounces

## WARRANTY INFORMATION

Specific warranty details for the GOOFIT Group-103 product may vary. Please refer to the retailer's return and warranty policy at the time of purchase. For direct warranty inquiries or further information, it is recommended to contact GOOFIT customer service through their official website or contact channels.

## CUSTOMER SUPPORT

For technical assistance, installation guidance, or any other product-related questions, please reach out to GOOFIT customer support. You can typically find contact information on the GOOFIT official website or through the platform where you purchased the product.

**GOOFIT Official Store:** [Visit the GOOFIT Store on Amazon](#)