WEIYINGSI B0118LT2U8

WEIYINGSI 2-Wire Ignition Key Switch Lock Instruction Manual

Model: B0118LT2U8

Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your WEIYINGSI 2-Wire Ignition Key Switch Lock. Designed for a wide range of electric vehicles including trikes, scooters, golf carts, and bikes, this switch offers reliable ON/OFF control and enhanced security. Please read this manual thoroughly before installation and use to ensure proper function and safety.

Safety Information

WARNING: Incorrect wiring can cause damage to the product, your vehicle, or lead to personal injury. Always follow wiring instructions carefully.

- Ensure the vehicle's power is disconnected before beginning any installation or wiring.
- Double-check all wiring connections to prevent cross-wiring or short circuits.
- Use appropriate tools and wear protective gear during installation.
- If you are unsure about any step, consult a qualified technician.

Product Overview

The WEIYINGSI 2-Wire Ignition Key Switch Lock is constructed with a pure zinc alloy lock cylinder for durability and resistance to elements. The housing is made from fire-retardant nylon and features copper internal components for seamless performance. It provides a simple two-position (ON/OFF) control for your electric vehicle.

Components:

- Ignition Key Switch Unit
- Two Keys

- Pre-attached 2-wire harness with quick connector

Figure 1: WEIYINGSI 2-Wire Ignition Key Switch Lock with two keys and wiring harness.

Figure 2: Exploded view of the ignition switch components, including the lock cylinder, housing, and keys.

Specifications

Feature	Specification
Operation Mode	ON-OFF
Current Rating	2 Amps
Operating Voltage	12 Volts (DC)
Contact Type	Normally Open
Connector Type	Plug In
Material	Copper, Nylon, Zinc Alloy
Number of Positions	2
Item Weight	0.32 ounces

Setup and Installation

Pre-Installation Check:

- Verify that the mounting hole on your vehicle is compatible with the switch dimensions. The switch requires an approximate 1-inch (26mm) insert diameter.
- Ensure your vehicle's electrical system operates at 12 Volts DC.

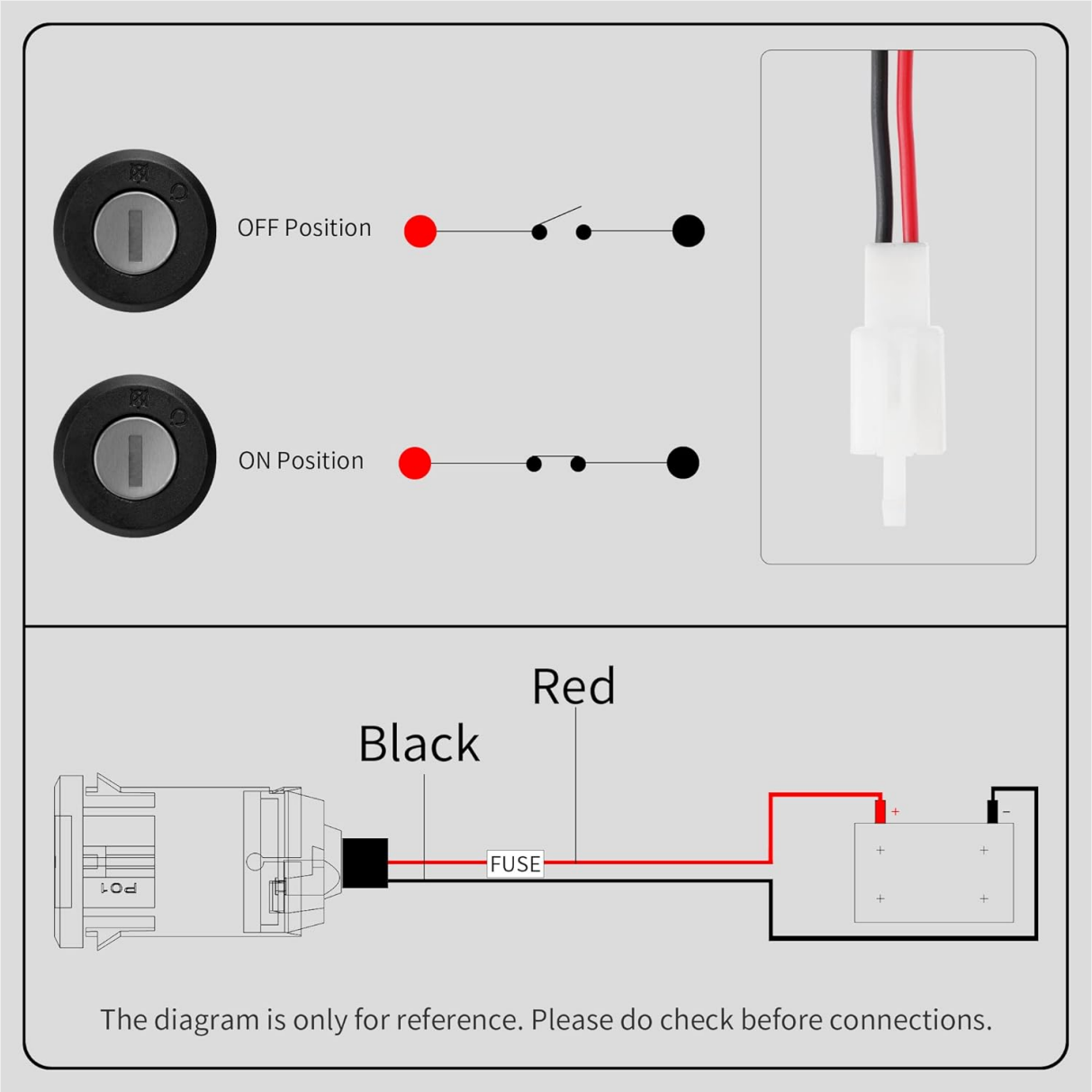

Figure 3: Detailed dimensions of the ignition key switch, showing measurements for installation.

Installation Steps:

1. **Prepare Mounting Location:** Identify a suitable location on your electric trike, scooter, golf cart, or bike for the ignition switch. Ensure the mounting hole is approximately 1 inch (26mm) in diameter.
2. **Connect Wiring:** The switch comes with a 2-wire harness. Typically, the red wire connects to the positive (+) power source, and the black wire connects to the negative (-) or ground. Refer to your vehicle's specific wiring diagram for accurate connections. **Do not cross wires.**
3. **Secure the Switch:** Insert the ignition switch into the prepared mounting hole. Ensure it is seated firmly and securely.
4. **Test Functionality:** After installation, insert the key and turn it to the 'ON' position. Verify that your

vehicle's electrical system powers on correctly. Turn the key to the 'OFF' position and confirm the power is cut.

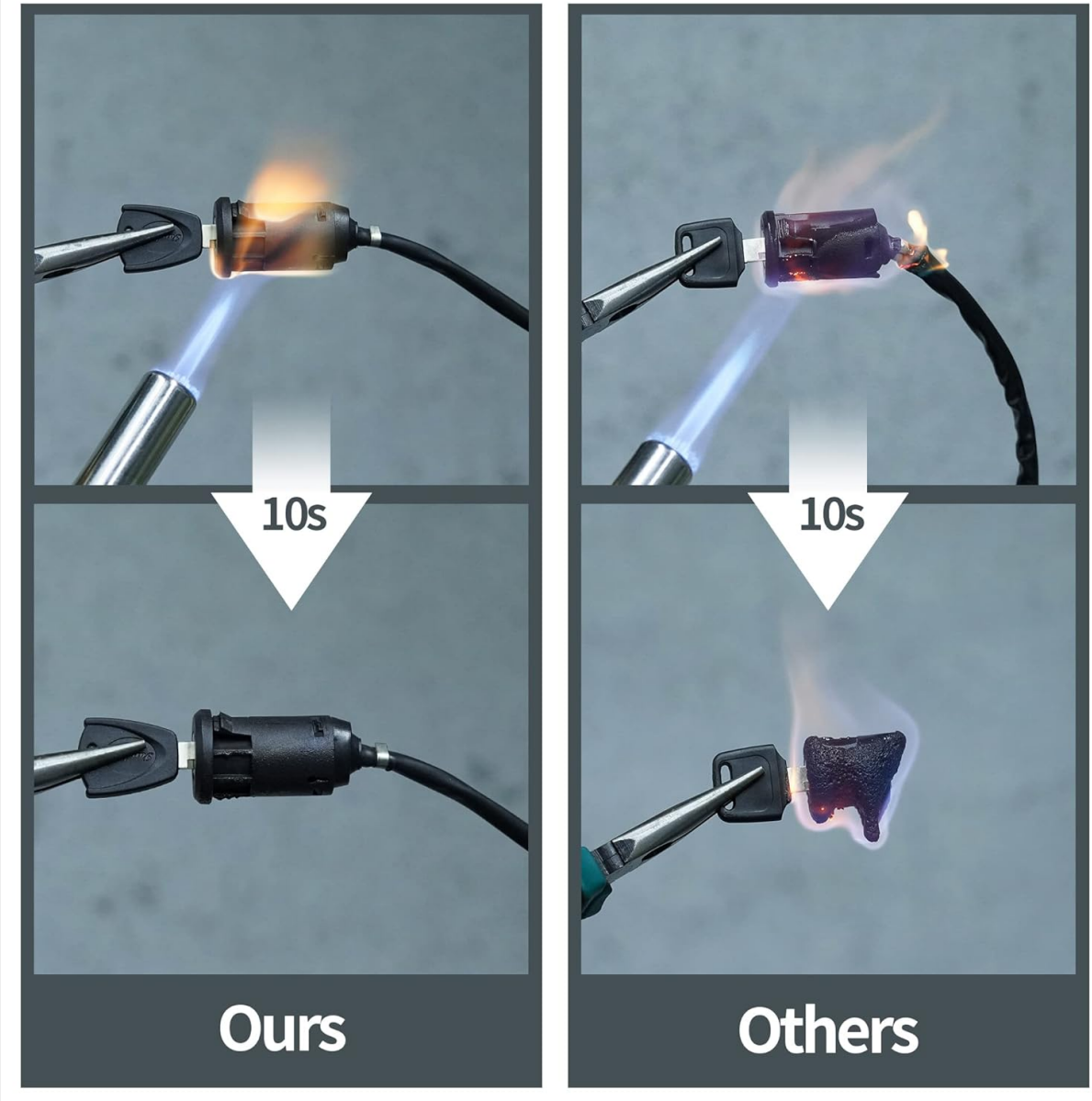

Figure 4: Wiring diagram illustrating ON/OFF positions and connection to a battery with a fuse. This diagram is for reference; always check your vehicle's specific wiring.

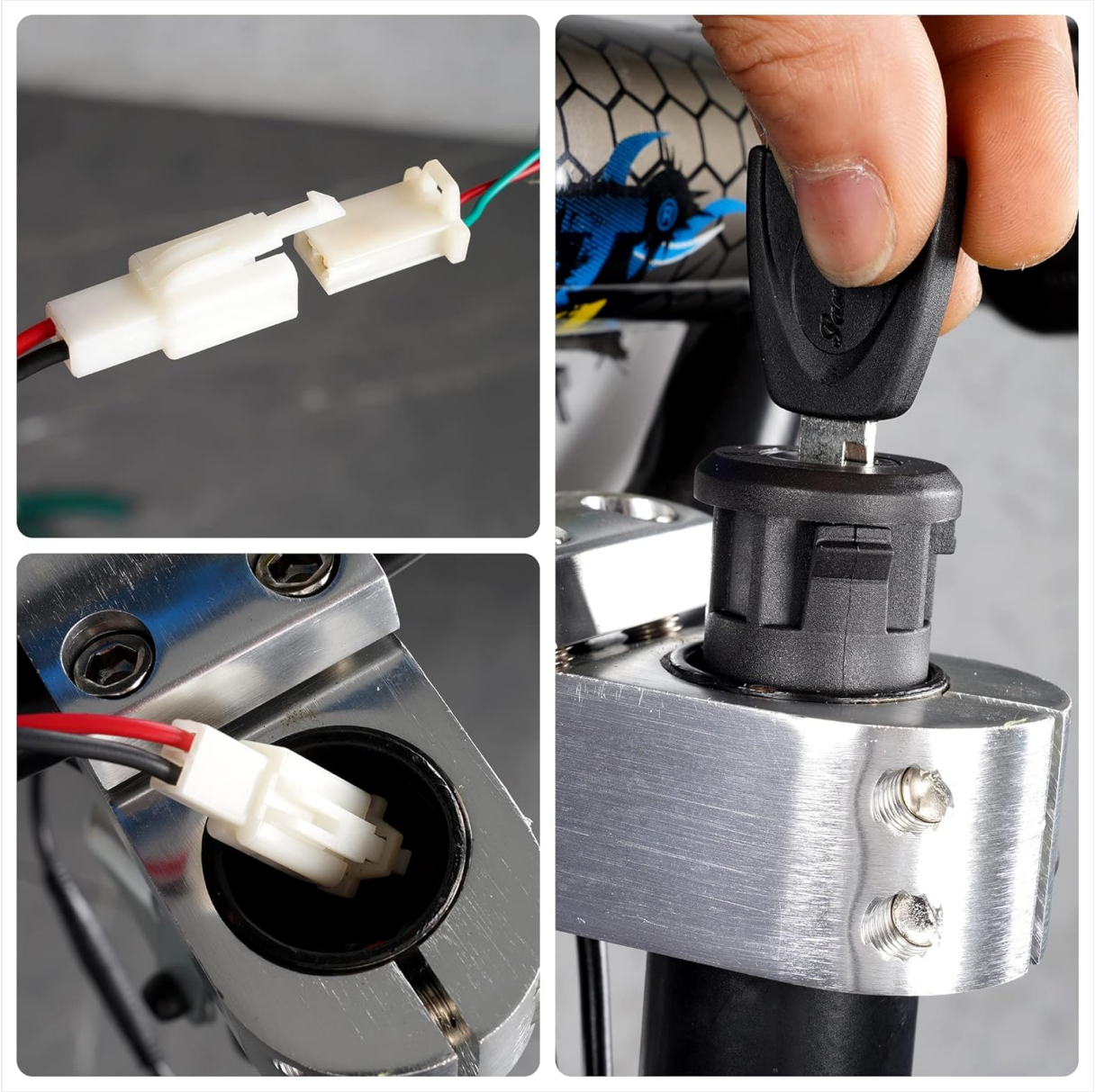

Figure 5: Series of images demonstrating the connection of the wiring harness and insertion of the key switch into a mounting hole.

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Video 1: This video demonstrates the installation and operation of the WEIYINGSI 2-Wire Ignition Key Switch on an electric scooter, highlighting its two-position functionality and secure design.

Operating Instructions

The WEIYINGSI 2-Wire Ignition Key Switch operates with a simple two-position mechanism:

- **ON Position:** Insert the key and turn it clockwise to the 'ON' position. This completes the electrical circuit, allowing power to flow to your vehicle's systems.
- **OFF Position:** Turn the key counter-clockwise to the 'OFF' position. This breaks the electrical circuit, cutting power to your vehicle.
- **Security:** For added security, always remove the key when the vehicle is not in use.

Maintenance

To ensure the longevity and reliable performance of your ignition key switch, follow these maintenance

guidelines:

- **Regular Inspection:** Periodically check the wiring connections for any signs of wear, corrosion, or looseness. Ensure the quick connector is securely attached.
- **Keep Clean:** Keep the lock cylinder and keyhole free from dirt, dust, and debris. Use a soft, dry cloth for cleaning.
- **Lubrication:** If the key becomes difficult to turn, apply a small amount of graphite lubricant (not oil-based) into the keyhole.
- **Moisture Protection:** While the switch is designed to be durable, avoid prolonged exposure to excessive moisture or direct water spray to prevent potential issues.

Figure 6: The ignition switch demonstrating resistance to water exposure, highlighting its robust design.

Troubleshooting

If you encounter issues with your WEIYINGSI 2-Wire Ignition Key Switch, refer to the following troubleshooting steps:

Issue: Vehicle does not power on when key is turned to 'ON'.

- **Check Wiring:** Ensure all wires are correctly connected (red to positive, black to negative) and that there are no loose connections or breaks in the wiring.
- **Key Position:** Confirm the key is fully inserted and turned completely to the 'ON' position.
- **Vehicle Battery:** Verify that your vehicle's battery is charged and functioning correctly.
- **Fuse Check:** Inspect any inline fuses in your vehicle's electrical system that might be connected to the ignition circuit.

Issue: Key is difficult to turn or gets stuck.

- **Lubrication:** Apply a small amount of graphite lubricant into the keyhole. Avoid using oil-based lubricants as they can attract dirt.
- **Debris:** Check for any foreign objects or debris lodged in the keyhole.

Issue: Switch feels loose after installation.

- **Mounting Hole Size:** Ensure the mounting hole diameter matches the switch's specifications. If the hole is too large, the switch may not seat securely.
- **Securing Mechanism:** Re-check any securing mechanisms (e.g., nuts, clips) that hold the switch in place.

Warranty and Support

For warranty information, technical support, or any questions not covered in this manual, please refer to

the WEIYINGSI official website or contact their customer service directly. Keep your purchase receipt for warranty claims.