

Kimpex 01-112

Kimpex Kill Switch Complete Assembly 01-112 User Manual

Model: 01-112 | Brand: Kimpex

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the Kimpex Kill Switch Complete Assembly, model 01-112. This device is designed to provide an emergency shut-off for grounded circuits in various powersports applications, enhancing safety during vehicle operation. Please read this manual thoroughly before installation and use to ensure proper function and safety.

2. SAFETY INFORMATION

- **Professional Installation Recommended:** Due to the electrical nature of this product, professional installation by a qualified technician is highly recommended to prevent electrical hazards and ensure correct operation.
- **Electrical Hazards:** Always disconnect the vehicle's battery before performing any electrical work to avoid electric shock or damage to the vehicle's electrical system.
- **Circuit Type:** This kill switch is designed for grounded circuits. Ensure your vehicle's electrical system is compatible.
- **Testing:** After installation, always test the kill switch thoroughly to confirm it functions correctly before operating the vehicle.
- **Intended Use:** This device is an emergency shut-off. It is not intended as a primary ignition switch or for routine engine shutdown.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- Kimpex Kill Switch Unit with Wiring Harness
- Red Coiled Lanyard with Clip

4. SETUP AND INSTALLATION

Follow these general steps for installing the Kimpex Kill Switch. Specific wiring diagrams for your vehicle may be required.

1. **Disconnect Power:** Before starting, disconnect the negative terminal of your vehicle's battery to prevent accidental electrical shorts.
2. **Mount the Switch:** Select a suitable, easily accessible location on your vehicle's dashboard or handlebar for mounting the kill switch. Ensure the location allows for free movement of the lanyard and does not interfere with vehicle controls.
3. **Wiring Connections:**
 - The Kimpex Kill Switch 01-112 is designed for a grounded circuit and features a female-to-male connector type.
 - Connect the switch's wiring harness into your vehicle's ignition or electrical system according to your vehicle's service manual for a kill switch installation. This switch is specified as 'Normally Open' (NO) contact type. This means the circuit is open (no current flow) when the cap is removed, and closed (current flows) when the cap is in place. **Important:** Some users have reported this switch behaving as 'Normally Closed' (NC) where current flows without the cap and stops with the cap. Always verify the switch's behavior with a multimeter before final installation to ensure it matches your intended application.
 - Ensure all electrical connections are secure and insulated to prevent short circuits.
4. **Attach Lanyard:** Securely attach the red coiled lanyard to the kill switch cap. The other end of the lanyard, with its clip, should be attached to the operator's clothing or wrist.
5. **Reconnect Power:** Once all connections are secure and verified, reconnect the vehicle's battery.
6. **Test Functionality:** With the engine off, attach the lanyard to yourself and the switch. Attempt to start the engine. Then, pull the lanyard to remove the cap and attempt to start the engine again. The engine should not start or should immediately shut off if running.



Figure 1: The complete Kimpex Kill Switch Assembly. On the left is the main switch unit with its electrical wiring and connector. On the right is the red coiled lanyard, which attaches to the switch and features a clip for user attachment.

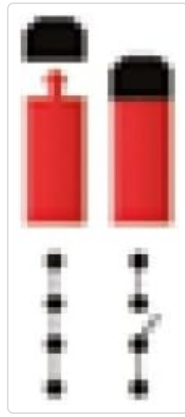


Figure 2: This diagram provides a conceptual view, possibly illustrating the internal components or connection points of a switch. It shows simplified shapes that could represent the switch's operational states or electrical pathways.

5. OPERATING INSTRUCTIONS

The Kimpex Kill Switch is designed for simple and effective emergency engine shutdown.

1. **Before Operation:** Ensure the kill switch cap is securely in place on the switch unit and the lanyard is attached to the operator.
2. **Normal Operation:** With the cap in place, the electrical circuit is completed (or interrupted, depending on the specific wiring and switch behavior verified during installation), allowing the engine to run or start.
3. **Emergency Stop:** In an emergency, or if the operator becomes separated from the vehicle, the lanyard will pull the cap off the switch. This action will open the circuit, immediately stopping the engine.

6. MAINTENANCE

Regular maintenance ensures the longevity and reliability of your kill switch.

- **Visual Inspection:** Periodically inspect the switch unit, wiring, and lanyard for any signs of wear, damage, or corrosion.
- **Cleanliness:** Keep the switch free from dirt, debris, and moisture. Use a clean, dry cloth for cleaning.
- **Connection Check:** Ensure all electrical connections remain tight and secure.
- **Functionality Test:** Regularly test the kill switch by pulling the lanyard to confirm it still stops the engine.

7. TROUBLESHOOTING

If you encounter issues with your Kimpex Kill Switch, refer to the following common problems and solutions:

- **Engine Does Not Stop When Lanyard is Pulled:**
 - Check all wiring connections for looseness or corrosion.
 - Verify the switch unit itself is not damaged.
 - Confirm the switch is correctly wired into the vehicle's ignition system as an emergency stop.
- **Engine Will Not Start (Kill Switch Related):**

- Ensure the kill switch cap is fully seated on the switch unit.
- Inspect the lanyard for any damage that might prevent the cap from seating properly.
- Check for continuity across the switch terminals with a multimeter when the cap is in place to ensure the circuit is closed (or open, depending on your specific wiring and desired behavior).

• **Intermittent Operation:**

- Loose or corroded wiring connections are often the cause of intermittent issues. Inspect and clean all connections.
- Internal damage to the switch unit may require replacement.

If troubleshooting steps do not resolve the issue, consult a qualified technician or contact Kimpex customer support.

8. SPECIFICATIONS

Feature	Specification
Brand	Kimpex
Model	01-112
UPC	779422080111
Operation Mode	Manual
Contact Type	Normally Open
Connector Type	Female-to-male
Terminal	Spade
Item Dimensions (L x W x H)	5 x 2.5 x 1.25 inches
Circuit Type	1-way
Actuator Type	Touch
Contact Material	Copper
International Protection Rating	IP00
Number of Positions	1
Control Method	Touch
Wattage	50 watts
Vehicle Service Type	Motorcycle
Compatible Devices	Standard Motorcycle Switches
Item Weight	0.634 ounces

9. WARRANTY AND SUPPORT

For warranty information, technical support, or replacement parts, please contact Kimpex directly through their official website or customer service channels. Keep your purchase receipt as proof of purchase for any warranty claims.