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› [AA Ignition](#) /

› AA Ignition Master Battery Switch Kit (Model GWA470) - Instruction Manual

AA Ignition GWA470

AA Ignition Master Battery Switch Kit (Model GWA470)

Instruction Manual

1. INTRODUCTION AND PRODUCT OVERVIEW

The AA Ignition Master Battery Switch Kit (Model GWA470) is designed to provide a reliable power cut-off and battery isolation solution for various vehicles and marine applications. This 12-48V switch helps prevent parasitic battery drain when a vehicle or vessel is not in use, extending battery life and ensuring the electrical system can be safely isolated for maintenance or storage.

This kit is suitable for use in cars, trucks, RVs, campers, boats, ATVs, and UTVs, offering a universal solution for managing electrical power.

2. PRODUCT CONTENTS

The AA Ignition Master Battery Switch Kit includes the following components:

- 1x Battery Disconnect Master Cut-off Switch
- 4x Mounting Screws
- 4x Nuts and Washers for Terminal Studs
- 1x Rear Cover for Terminal Insulation
- 4x Side Covers



Image 2.1: The Master Battery Switch and included mounting hardware.



Image 2.2: Exploded view showing all components of the battery switch kit, including the switch, rear cover, side covers, screws, nuts, and washers.

3. SPECIFICATIONS

Feature	Specification
Operation Mode	On, Off
Current Rating	275 Amps (12V DC), 455 Amps (Intermittent 12V DC), 1250 Amps (Momentary 12V DC)
Operating Voltage	12-48 Volts DC
Contact Type	Normally Open
Connector Type	Screws
Terminal Material	Copper
Circuit Type	2-way
Actuator Type	Rotary
International Protection Rating	IP54
Number of Positions	2
Housing Material	Durable ABS Plastic
Color	Black
Item Weight	1 pound
Model Number	GWA470

4. SAFETY INFORMATION

Before beginning any installation or maintenance, always prioritize safety. Failure to follow safety guidelines can result in injury or damage to property.

- **Wear Safety Equipment:** Always wear appropriate personal protective equipment, including safety glasses and gloves.
- **Disconnect Power:** Ensure the vehicle's ignition is off and all accessories are turned off. Remove the key from the ignition.
- **Terminal Insulation:** Use the provided rear cover to insulate terminals against potential circuit shorts.
- **Negative Side Installation:** It is advisable to install the switch to disconnect the negative side of the battery. Installing on the positive side may still allow voltage to run through the switch when off, potentially leading to shorts.
- **Clearance:** Ensure sufficient clearance between the installed switch and any surrounding components, especially the vehicle's hood, to prevent accidental contact or damage.

5. SETUP AND INSTALLATION

This battery disconnect switch is designed for straightforward installation. Refer to the included printed instruction manual for detailed wiring diagrams and specific steps for single or dual battery setups.

General Installation Steps:

1. **Prepare for Installation:** Ensure all safety precautions from Section 4 are followed.
2. **Choose Mounting Location:** Select a secure and accessible location for the switch, ensuring adequate clearance for operation and wiring.
3. **Mount the Switch:** Use the provided mounting screws to securely attach the switch to the chosen surface.
4. **Connect Wiring:** Connect the battery cables to the switch terminals using the provided nuts and washers. Ensure connections are tight and secure. Refer to the wiring diagrams for correct positive and negative connections.
5. **Install Covers:** Attach the rear cover to insulate the terminals and the side covers for additional protection.
6. **Test Functionality:** After installation, test the switch by turning it to the 'OFF' position and verifying that power to the electrical system is interrupted. Then, turn it to the 'ON' position and confirm power is restored.

MASTER POWER CUT-OFF SWITCH KIT BATTERY ISOLATOR DISCONNECT



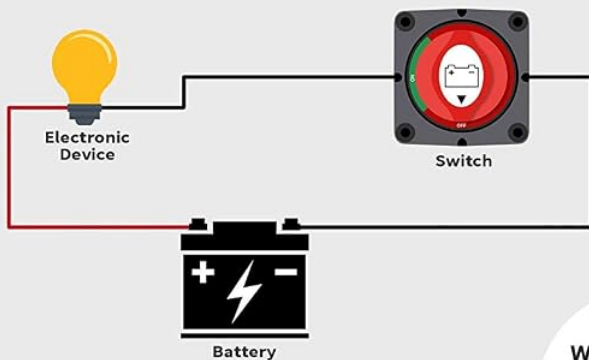
Safety First! Wear safety equipment and remove any items or accessories that may contact the battery or switch. Ensure the key is removed from the ignition and all lights and accessories are turned off.



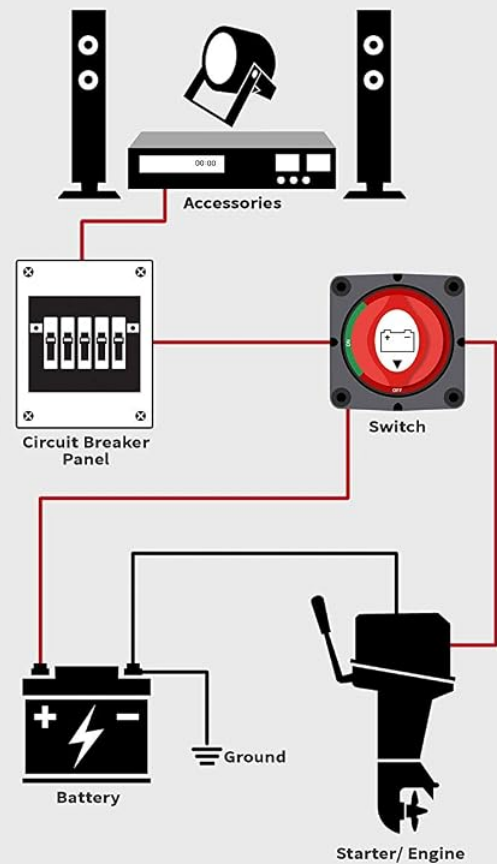
WHAT'S INCLUDED?

- Battery Disconnect Master Cut off Switch
- 4x Screws and bolts

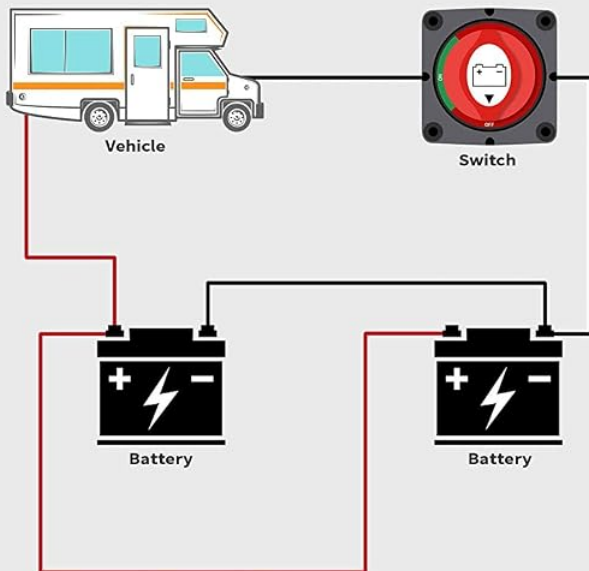
SIMPLE SET-UP



SINGLE ON/OFF SWITCH



DUAL BATTERY SET-UP



WIRE COLOR

- POSITIVE
- NEGATIVE

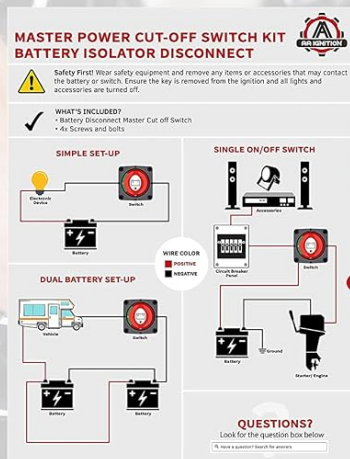
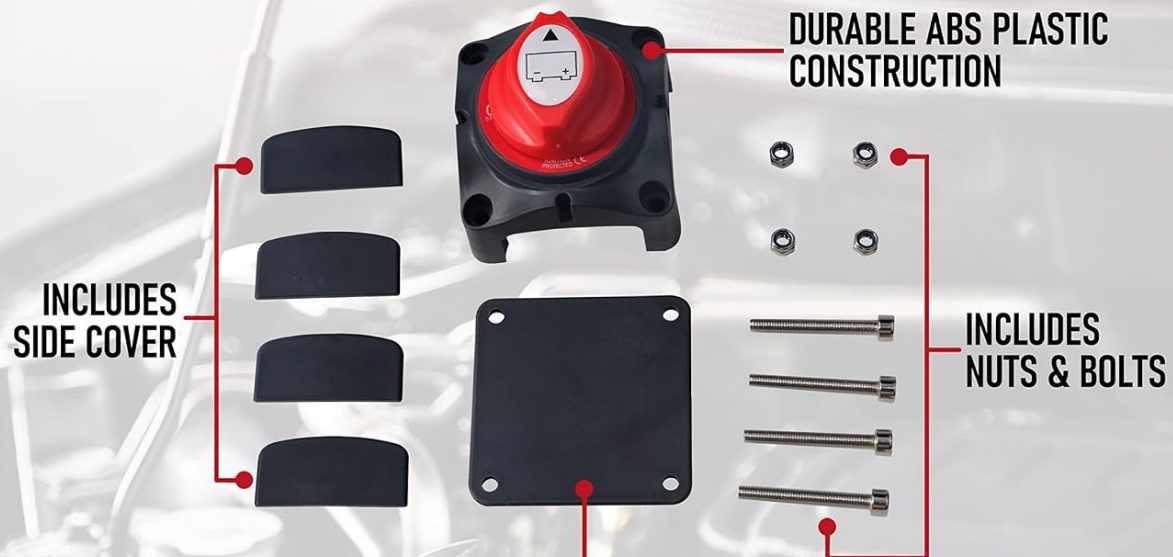
QUESTIONS?

Look for the question box below

🔍 Have a question? Search for answers

Image 5.1: Example wiring diagrams for single and dual battery configurations. Consult the physical manual for detailed instructions.

MASTER POWER CUT-OFF SWITCH KIT BATTERY ISOLATOR DISCONNECT



**REAR COVER FOR PROPER
TERMINAL INSULATION**

**INCLUDES PRINTED
INSTRUCTION MANUAL**



Image 5.2: The complete kit, highlighting the included printed instruction manual for detailed setup guidance.

6. OPERATING INSTRUCTIONS

The Master Battery Switch features a simple 2-position rotary actuator for 'ON' and 'OFF' functions.

- **To Turn ON:** Rotate the red knob to the 'ON' position. This connects the battery to the electrical system, allowing power flow.
- **To Turn OFF:** Rotate the red knob to the 'OFF' position. This disconnects the battery from the electrical system, cutting off power.

Always ensure the switch is in the desired position before operating the vehicle or leaving it unattended for extended periods.

7. MAINTENANCE

Regular maintenance helps ensure the longevity and reliable operation of your battery switch.

- **Inspect Connections:** Periodically check all terminal connections to ensure they remain tight and free from corrosion. Loose connections can lead to poor performance or overheating.
- **Clean Terminals:** If corrosion is present, carefully disconnect the battery (following safety guidelines) and clean the terminals and connections using a wire brush and battery terminal cleaner.
- **Check Housing:** Inspect the switch housing for any signs of damage or cracks. Replace the switch if significant damage is observed.
- **Verify Covers:** Ensure the rear and side covers are securely in place to maintain insulation and protection.

8. TROUBLESHOOTING

If you experience issues with your battery switch, consider the following troubleshooting steps:

- **No Power When ON:**
 - Ensure the switch is fully rotated to the 'ON' position.
 - Check all battery cable connections for tightness and corrosion.
 - Verify the battery itself is charged and functional.
 - Inspect the wiring for any breaks or damage.
- **Power Remains ON When OFF:**
 - Ensure the switch is fully rotated to the 'OFF' position.
 - Confirm the switch was installed on the correct battery terminal (negative side recommended).
 - Check for any alternative power paths or faulty wiring that might bypass the switch.

If problems persist after performing these checks, contact customer support for further assistance.

9. WARRANTY INFORMATION

The AA Ignition Master Battery Switch Kit comes with a **Lifetime Warranty**. If the part ever fails on your car, vehicle, truck, RV, boat, marine, or camper application, please contact us for a replacement. This warranty covers defects in materials and workmanship under normal use.

For full details regarding the warranty policy and claims process, please refer to the official AA Ignition website or contact customer support.

10. CUSTOMER SUPPORT

AA Ignition offers expert support to assist with installation or any product-related inquiries. Our technicians are available to help diagnose issues and provide guidance.

For assistance, please visit the [AA Ignition Store on Amazon](#) or refer to the contact information provided in your product packaging.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question