### Earthtec Shop Vac Replacement Power Switch

# Earthtec Shop Vac Power Switch Replacement Instruction Manual

Model: Shop Vac Replacement Power Switch

## 1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of the Earthtec replacement power switch for compatible Shop Vac vacuum cleaners. Please read this manual thoroughly before proceeding with installation to ensure safe and correct usage.

## 2. Safety Information

**WARNING: Always disconnect the vacuum cleaner from the power source before attempting any installation, maintenance, or repair. Failure to do so can result in electric shock, serious injury, or death.**

- Ensure the vacuum cleaner is unplugged from the electrical outlet.
- Wear appropriate personal protective equipment, such as safety glasses and gloves.
- If you are unsure about any step, consult a qualified technician.
- Do not operate the vacuum cleaner with a damaged switch or wiring.

## 3. Package Contents

- 1 x Earthtec Shop Vac Power Switch Replacement

## 4. Specifications

| | |
|---|---|
| **Brand** | Earthtec |
| **Model Compatibility** | Shop Vac 8231810, SV-8231810, QL30C |
| **Operation Mode** | ON-OFF |
| **Current Rating** | 45 Amps |

| | |
|---|---|
| **Contact Type** | Normally Open |
| **Connector Type** | 2 Pin |
| **Terminal Type** | Screw |
| **Circuit Type** | 1-way |
| **Actuator Type** | Rocker |
| **Contact Material** | Copper |
| **International Protection Rating** | IP00 |
| **Dimensions** | 3.23 x 2.09 x 0.63 inches |

## 5. Installation

This section outlines the steps to replace the power switch on your compatible Shop Vac model. Ensure all safety precautions are followed before beginning.

1. **Disconnect Power:** Unplug your Shop Vac vacuum cleaner from the electrical outlet.
2. **Access the Switch:**

   To access the existing power switch, you will need to open the motor housing. This typically involves removing screws. A long Plum 20 drill bit may be required for this step, depending on your specific Shop Vac model.



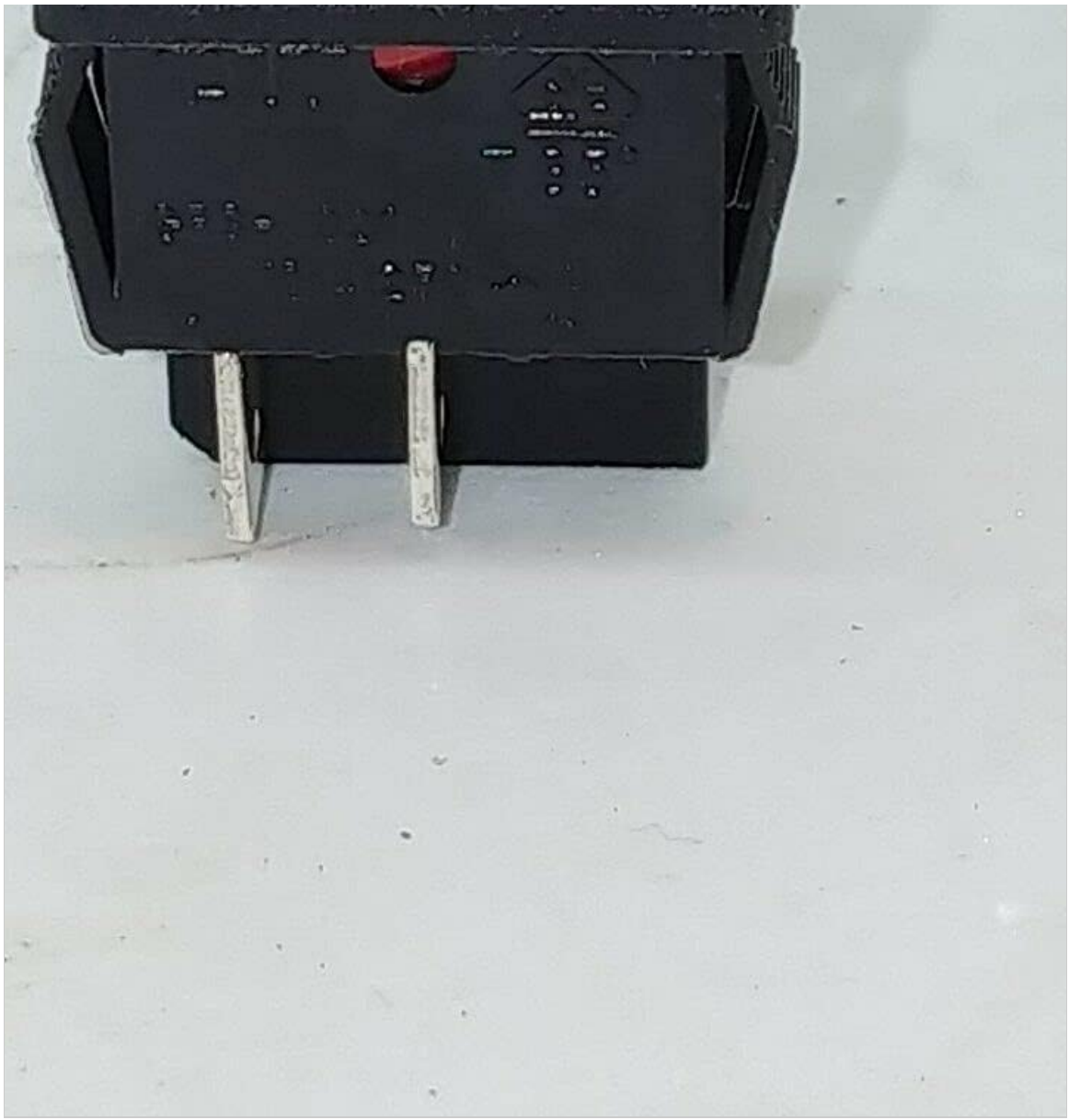


*Image 1: Front view of the Earthtec Shop Vac Power Switch Replacement. This shows the rocker switch in the 'ON' position.*

3. **Document Wiring:**

   Before disconnecting any wires from the old switch, take a clear photograph of the existing wiring configuration. This will serve as a reference to ensure correct reconnection of the new switch. The original unit typically has four wires connected to the switch terminals.



*Image 2: Rear view of the Earthtec Shop Vac Power Switch Replacement, showing the two metal terminals for wiring connections.*

4. **Disconnect Old Switch:** Carefully disconnect the wires from the old switch. Note the position of each wire.
5. **Remove Old Switch:** Unclip or unscrew the old switch from its mounting slot.
6. **Install New Switch:** Insert the new Earthtec power switch into the mounting slot. Ensure it clips securely into place.
7. **Connect Wiring:** Refer to the photograph taken in step 3 and connect the wires to the new switch's terminals. Ensure all connections are secure. **Note:** While the product specifications mention "2 Pin" for the connector type, the feature bullets indicate "4 Pin" for the original Shop Vac switch. This replacement switch is designed to work with the existing wiring by connecting the appropriate wires to its terminals. If your original switch has 4 wires, consult your vacuum's specific wiring diagram or a qualified technician for correct connection to this 2-pin replacement.

8. **Reassemble:** Close the motor housing and secure it with the screws.
9. **Test:** Plug the vacuum cleaner back into the electrical outlet and test the new power switch.

## 6. Operation

The Earthtec Shop Vac Power Switch Replacement operates as a standard ON-OFF rocker switch.

- To turn the vacuum cleaner **ON**, press the side of the rocker switch marked 'I' or the side that illuminates (if applicable).
- To turn the vacuum cleaner **OFF**, press the side of the rocker switch marked 'O' or the opposite side of the 'ON' position.

## 7. Maintenance

The power switch itself requires minimal maintenance. However, regular inspection of the vacuum cleaner's electrical components can prolong its lifespan.

- Periodically inspect the switch for any signs of physical damage or wear.
- Ensure the area around the switch is kept clean and free of dust or debris.
- If the switch feels loose or unresponsive, discontinue use and inspect for proper installation or damage.

## 8. Troubleshooting

If you encounter issues after installing the replacement switch, refer to the following common problems and solutions:

| Problem | Possible Cause | Solution |
|---|---|---|
| Vacuum does not turn on. | • Incorrect wiring.<br>• Loose connection.<br>• Faulty switch (rare for new part).<br>• No power to outlet. | • Re-check wiring against your reference photo.<br>• Ensure all wire connections are secure.<br>• Test the electrical outlet with another device.<br>• If issues persist, contact support. |
| Switch feels loose or unresponsive. | • Improper seating in housing.<br>• Internal damage. | • Ensure the switch is fully clipped into its mounting slot.<br>• If damaged, replace the switch. |
| Short circuits or burning smell. | • Incorrect wiring.<br>• Damaged wires.<br>• Overload. | • **Immediately unplug the vacuum.**<br>• Inspect wiring for any exposed or damaged sections.<br>• Verify correct wiring connections.<br>• Consult a qualified electrician if unsure. |

## 9. Warranty and Support

Earthtec is committed to providing quality products and customer satisfaction. If you have any questions or concerns regarding your Earthtec Shop Vac Power Switch Replacement, please do not hesitate to contact us. We are dedicated to providing you with a satisfactory shopping experience and support.
For support, please refer to the contact information provided with your purchase or visit the official Earthtec store on

Amazon.

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**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.

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