Superior Electric SW77

Superior Electric SW77 Aftermarket Trigger Switch User Manual

Model: SW77 | Brand: Superior Electric

Introduction

This manual provides essential information for the installation, operation, and maintenance of your Superior Electric SW77 Aftermarket Trigger Switch. This high-quality replacement switch is designed for compatibility with various worm drive saws and other power tools, offering reliable on/off functionality and supporting variable speed and electric braking features where applicable to your tool. Please read this manual thoroughly before installation and use.

Figure 1: Front view of the Superior Electric SW77 Aftermarket Trigger Switch.

Compatibility

The Superior Electric SW77 switch is an aftermarket replacement designed to be compatible with the following power tool models. This switch replaces OEM part number 2610321608.

Compatible SKIL Models:

- HD5525 TYPE 2 (F01255250A) 6-1/2 in. Circular Saw
- HD5550 TYPE 1 (F012555099) 7-1/4 in. Circular Saw
- HD5575 TYPE 2 (F01255750A) 7-1/4 in. Circular Saw
- HD5575 TYPE 1 (F012557599) 7-1/4 in. Circular Saw
- HD5657 TYPE 2 (F01256570A) 7-1/4 in. Circular Saw

- HD5657 TYPE 1 (F012565799) 7-1/4 in. Circular Saw
- HD5660 TYPE 2 (F01256600A) 8-1/4 in. Circular Saw
- HD5660 TYPE 1 (F012566099) 8-1/4 in. Circular Saw
- 5825 TYPE 2 (F01258250A) 6-1/2 in. Worm Drive Saw

Compatible BOSCH Models:

- B5610 (0601655935) Circular Saw
- 1658 (0601658039) 7-1/4" Circular Saw
- 1677M (0601677039) 7-1/4" Worm Drive Saw
- 1678A (0601678039) 7-1/4" Worm Drive Saw
- 1656 (0601656039) Circular Saw
- B5700 (0601656039) Circular Saw
- B5700 (0601656135) Circular Saw
- 1656 (0601656139) Circular Saw
- 1677MD (0601677139) Circular Saw
- 1677MDT (0601677239) Circular Saw
- 1677C-100 (0601677168) Circular Saw
- 1677DC-100 (0601677190) Circular Saw

Installation (Setup)

Replacing a power tool switch requires careful attention to safety and proper wiring. If you are unsure about any step, consult a qualified technician.

1. **Safety First:** Always disconnect the power tool from its power source (unplug it) before attempting any repairs or installations.
2. **Access the Old Switch:** Depending on your tool model, you may need to remove casing screws or covers to access the existing trigger switch.
3. **Note Wiring Configuration:** Before disconnecting any wires, carefully observe and ideally photograph the existing wiring connections to the old switch. Note which wires connect to which terminals. The SW77 switch includes 4 internal terminals.
4. **Disconnect Old Switch:** Carefully disconnect all wires from the old switch.
5. **Install New Switch:** Position the new Superior Electric SW77 switch in the tool's housing.
6. **Connect Wiring:** Connect the wires to the new SW77 switch's terminals according to the configuration noted in step 3. Refer to the wiring diagram below for general guidance. Ensure all connections are secure.

Figure 2: View of the SW77 switch showing the screw terminals for wiring connections.

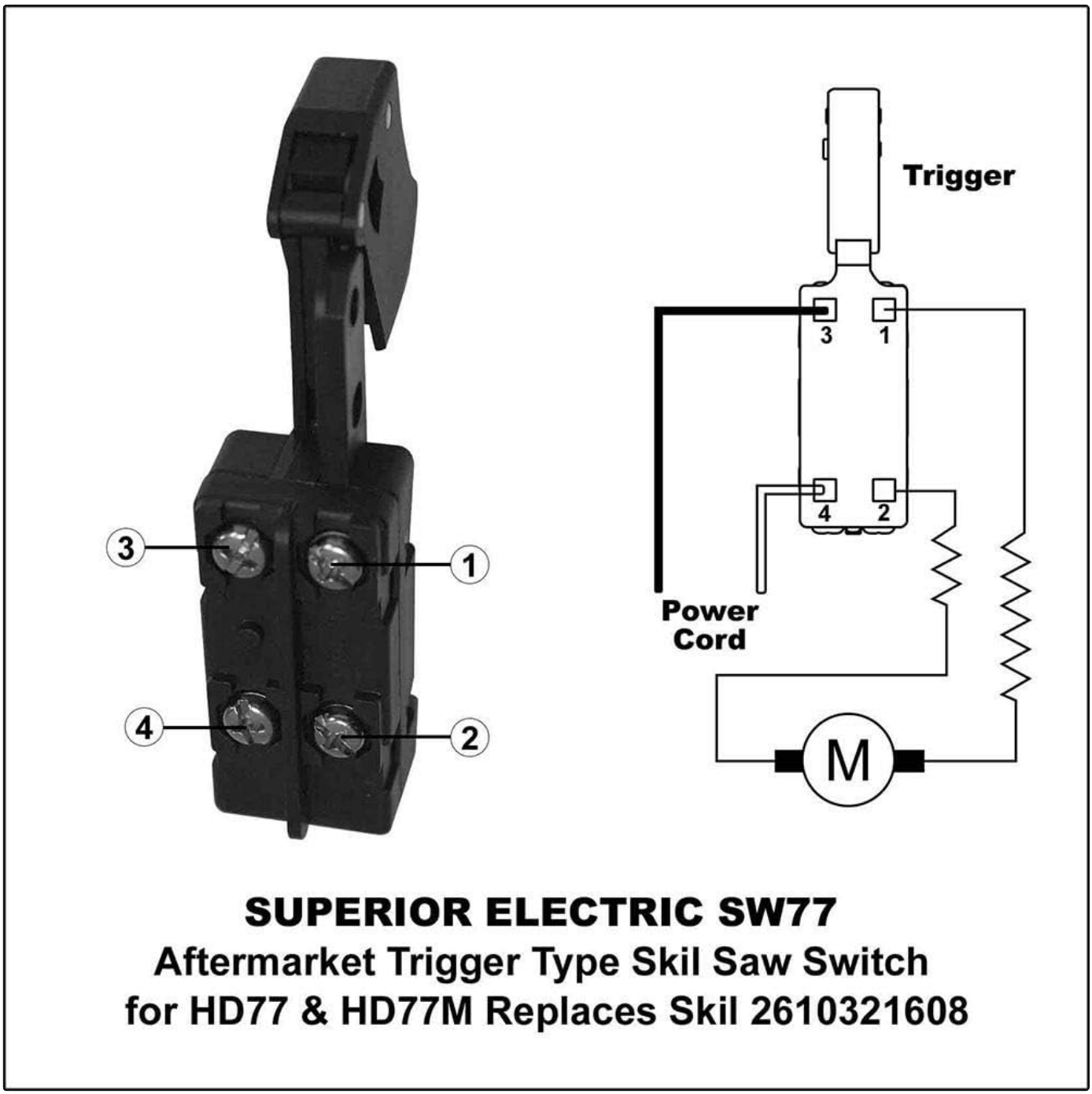

Figure 3: General wiring diagram for the Superior Electric SW77 switch. Note the numbered terminals for connection reference.

7. **Reassemble Tool:** Carefully reassemble the tool's casing, ensuring no wires are pinched.
8. **Test Functionality:** Plug the tool back in and test the switch's operation.

Operation

The Superior Electric SW77 is a trigger-type switch designed for intuitive operation.

- **On/Off Functionality:** Press the trigger to activate the tool. Release the trigger to turn the tool off.
- **Variable Speed (if applicable):** If your power tool supports variable speed control through the switch, the SW77 may accommodate this feature. The speed typically increases as the trigger is pressed further.
- **Electric Braking (if applicable):** For tools equipped with electric braking, the SW77 can support this function, allowing the blade or accessory to stop quickly upon release of the trigger.

Figure 4: Side view of the SW77 switch, illustrating the trigger mechanism.

Maintenance

The SW77 switch is designed for durability and requires minimal maintenance. However, regular inspection can prolong its lifespan and ensure safe operation of your tool.

- **Keep Clean:** Periodically clean the exterior of the switch and the tool's trigger area to prevent dust and debris buildup, which can impede smooth operation.
- **Inspect Wiring:** During any tool maintenance, visually inspect the wiring connections to the switch for signs of wear, fraying, or loose connections.
- **Avoid Excessive Force:** Do not apply excessive force to the trigger. Operate it smoothly.

Troubleshooting

If you experience issues with your power tool after installing the SW77 switch, consider the following common problems and solutions:

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Tool does not turn on at all.	• Loose or incorrect wiring connections. • No power to the tool (e.g., unplugged, tripped breaker). • Internal tool issue (not switch related).	• Check all wiring connections to the switch and ensure they are secure and correct per the diagram. • Verify the tool is plugged in and the power outlet is functional. Check circuit breaker. • If wiring and power are confirmed, the issue may lie elsewhere within the tool's motor or internal components.
Tool operates intermittently or requires multiple tries to turn on.	• Loose wiring connections. • Dust or debris inside the switch mechanism. • Worn internal contacts (less likely for a new switch).	• Re-check and secure all wiring connections. • Ensure the switch area is clean and free of obstructions. • If the problem persists, the switch may need replacement.
Variable speed or electric braking not working.	• Tool does not support these features. • Incorrect wiring for these functions. • Internal tool issue.	• Confirm your specific tool model is designed to have these features. • Verify wiring against the tool's specific wiring diagram (if available). • Consult a qualified technician if the tool's internal components related to these functions are suspected.

Note: This switch is an aftermarket part. Any brand names mentioned are used solely for compatibility reference.

Specifications

Attribute	Detail
Model Number	SW77
Part Number	SW77
Brand	Superior Electric
Manufacturer	Superior Electric
Operation Mode	Manual
Actuator Type	Trigger
Contact Type	Normally Open
Connector Type	Screw Terminals
Terminal Type	Screw
Circuit Type	1-way
Mounting Type	Surface Mount
Contact Material	Copper
International Protection Rating	IP00

Attribute	Detail
Number of Positions	2
Control Method	Touch
Connectivity Protocol	X-10
Voltage	125V / 250V
Amperage	15A / 10A
Wattage	1200 Watts (1.2E+3)
Item Weight	3.98 ounces
Package Dimensions	5 x 3.8 x 2 inches
Number of Items	2 (in a pack)

Warranty and Support

As an aftermarket product, specific warranty terms may vary. Please refer to the retailer or manufacturer's website for the most current warranty information.
For technical support or inquiries regarding the Superior Electric SW77 switch, please contact Superior Electric directly through their official channels or the retailer from whom you purchased the product.
Disclaimer: This product is a non-OEM replacement part. Any use of the brand name or model designation for this product is made solely for purposes of demonstrating compatibility.