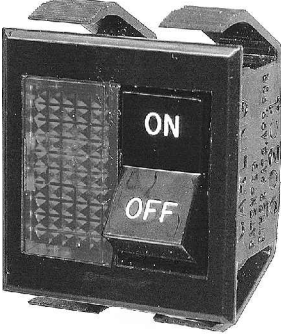


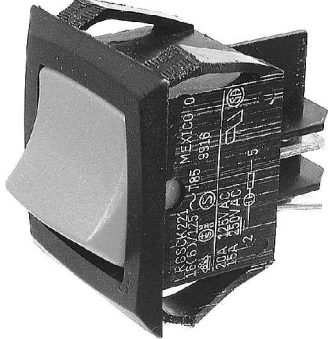


ON/OFF SWITCH REPLACEMENT

BPI[®] LENS TINTING INSTRUMENTS

PLEASE FOLLOW THE INSTRUCTIONS FOR THE HIGHLIGHTED SWITCH

A	B	C	D
 <p>Black Rocker Switch with Red Light BPI#60210</p>	 <p>Red Rocker Switch marked I and O BPI#60213</p>	<p>110v. or 220v.</p>  <p>White Rocker Circuit Breaker Switch marked I and O BPI#</p>	<p>220v. ONLY</p>  <p>Red Rocker Switch BPI#60212</p>

PLEASE FOLLOW THE INSTRUCTIONS FOR THE HIGHLIGHTED SWITCH

Type (B) is supplied as a replacement for type (D) 110v switches.
Type (D) is supplied as a replacement switch in 220v units only.

CAUTION: BPI[®] does NOT recommend the operator servicing of any internal parts. Please refer all servicing to qualified service personnel.

BPI[®]

4470 SW 74th Avenue. Miami. Florida 33155. USA

Toll-free Phone: 1-800-CALL-BPI Toll-free Fax: 1-888-CALL-BPI Internet: www.callbpi.com

International Phone: (305) 264-4465 International Fax: (305) 264-1467

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BPI® Black Rocker Switch with Red Light

CAUTION

BPI® does NOT recommend the operator servicing of any internal parts.
Please refer all servicing to qualified service personnel.

The Replacement Kit contains:

Replacement switch
2 high current wires
Wire screw cap
Shrink-down insulation tubing

Tools required:

Flathead and Phillips Screwdrivers.
Wire Cutter/Stripper



SWITCH REPLACEMENT INSTRUCTIONS

1. UNPLUG THE INSTRUMENT FROM THE ELECTRICAL SOURCE.

2. Open the side panel (6 to 8 screws) to reveal the wiring. (**EXCEPT** Twin-8™, Computer 8™, Mini-Tank 4™, Mini-Tank 6™, and Solar Color 2™ machines... remove the front panel.)

3. Observe how the old wires are connected to the switch **and label each wire**. Then disconnect the wires from the back of the switch.

4. Remove the old switch. Cut off the plastic tabs close to the switch body and push it out. Carefully press in the new switch. (The thermostat may need to be loosened).

5. The low current wires from the old switch to the pilot lamp and the heating element may be placed onto the new switch. (See Figure A. UPPER RIGHT)

6. The new switch has high current wires supplied with it since the old ones may be damaged. **Use the new ones.**

7. Slip a piece of Shrink-Down insulation over the slip-on connector (2) and attach a short wire to the new switch and to the thermostat. *Use the heat from a soldering iron to shrink the two pieces of Shrink-Down insulation around the connector.* (See Figure A. LOWER LEFT)

8a. Slip a piece of Shrink-Down insulation over the slip-on connector (2) and attach a long wire to the new switch and to the terminal block (1) on the floor of the machine. If there is no terminal block, go to 8b. *Use the heat from a soldering iron to shrink the two pieces of Shrink-Down insulation around the connector.* (See Figure A. UPPER LEFT)

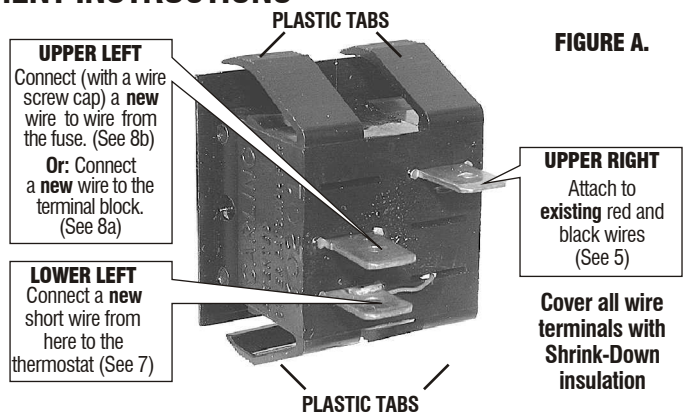


FIGURE A.

UPPER LEFT
Connect (with a wire screw cap) a **new** wire to wire from the fuse. (See 8b)
Or: Connect a **new** wire to the terminal block. (See 8a)

LOWER LEFT
Connect a **new** short wire from here to the thermostat (See 7)

UPPER RIGHT
Attach to **existing** red and black wires (See 5)

Cover all wire terminals with Shrink-Down insulation

8b. On older units this wire may have gone directly to the fuse-holder. If so, cut the ring connector off the new wire. Strip back 1" of insulation on the old wire to the fuse-holder and the new wire. Twist the old and the new wire together. Screw the wire screw cap (supplied in the kit) tightly onto both wires to secure together. Tape tightly with electrical tape. (See Figure A. UPPER LEFT)

9. Check the wires for tightness.

10. Replace the side (or front) panel.

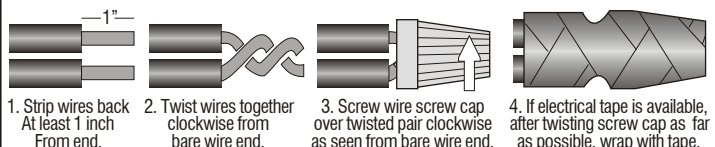
IF A FUSE BLOWS OR OTHER PROBLEMS EXIST WHEN TESTING THE SWITCH, PLEASE CONTACT OUR SERVICE TECHNICIANS AT (800) 327-2250 OR 1-800-CALL-BPI. (INTERNATIONAL: 305 264-4465)

PARTS IDENTIFICATION



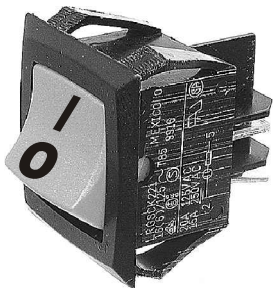
1. Terminal Block 2. Slip-on and 3. Ring Connector 4. Cut-off Switch

USE OF WIRE SCREW CAP CONNECTORS



1. Strip wires back At least 1 inch From end. 2. Twist wires together clockwise from bare wire end. 3. Screw wire screw cap over twisted pair clockwise as seen from bare wire end. 4. If electrical tape is available, after twisting screw cap as far as possible, wrap with tape.

↑
THIS WAY UP



BPI® Red Rocker Switch

CAUTION

BPI® does NOT recommend the operator servicing of any internal parts. Please refer all servicing to qualified service personnel.

The Replacement Kit contains:

Replacement switch with 3 wires attached
2 wire screw caps

Tools required:

Flathead and Phillips Screwdrivers.
Wire Cutter/Stripper



SWITCH REPLACEMENT INSTRUCTIONS

1. **UNPLUG THE INSTRUMENT FROM THE ELECTRICAL SOURCE.**
2. Open the side panel (6 to 8 screws) to reveal the wiring. (EXCEPT Twin-8™, Computer 8™, Mini-Tank 4™, Mini-Tank 6™, and Solar Color 2™ machines... remove the front panel.)
3. Observe how the old wires are connected to the switch **and label each wire.** Then disconnect the wires from the back of the switch.
4. The new switch has wires already attached. So the old wires must be cut close to the body of the old switch.
5. Remove the old switch. To do so, cut the plastic tabs above and below the body of the switch. Make the cuts near the body of the switch, push the old switch out and press the new one in. **MAKE CERTAIN THAT THE 'ON' or 'I' is UP!** (The thermostat may need to be loosened).
6. Strip back the insulation of existing wires (at least 1 inch). These wires will be screw-capped to the wires on the replacement switch. (See 'Use of screw caps')
7. The middle right wire of the replacement switch (as seen from the rear) with the ring connector attached has to be connected to the thermostat. (See Figure B, MIDDLE RIGHT) Discard existing wire.
8. The upper right wire of the replacement switch (as seen from the rear) has to be connected to the terminal block on the floor of the machine. On some older machines, it goes directly to the fuse-holder. Locate the existing wire from the terminal block (1)(or fuse-holder), strip back the insulation at least one inch and attach to the wire from the replacement switch using a screw cap. (See Figure B, UPPER RIGHT)

COVER EXPOSED TERMINALS WITH WIRE SCREW CAPS

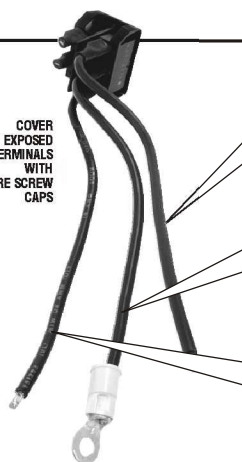


FIGURE B.

UPPER RIGHT

Connect to the fuse or terminal block (See 7)

MIDDLE RIGHT

Connect to the thermostat (See 6)

LOWER RIGHT

Connect to red wire from the heating element or terminal block (9b) AND the black wire from the pilot light.

9a. The old connector on the low current black wire to the pilot lamp (above the thermostat knob) must be cut off, the wire stripped back at least one inch and the wire must be screw-capped onto the lower right wire (as seen from the rear) of the new switch. (See Figure B, LOWER RIGHT)

9b. On some units, a red wire to the heating element will go to the same terminal of the switches. On the replacement switch, this wire must be screw-capped to the right lower switch wire also. (See Figure B, LOWER RIGHT)

10. Check the wires for tightness.

11. Replace the side (or front) panel.

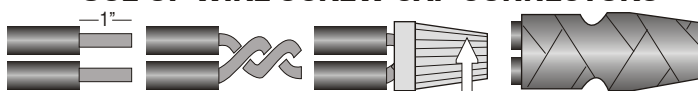
IF A FUSE BLOWS OR OTHER PROBLEMS EXIST WHEN TESTING THE SWITCH, PLEASE CONTACT OUR SERVICE TECHNICIANS AT (800) 327-2250 OR 1-800-CALL-BPI. (INTERNATIONAL: 305 264-4465)

PARTS IDENTIFICATION



1. Terminal Block 2. Slip-on and 3. Ring Connector 4. Cut-off Switch

USE OF WIRE SCREW CAP CONNECTORS



1. Strip wires back At least 1 inch From end.
2. Twist wires together clockwise from bare wire end.
3. Screw wire screw cap over twisted pair clockwise as seen from bare wire end.
4. If electrical tape is available, after twisting screw cap as far as possible, wrap with tape.

C

BPI® White Rocker Circuit Breaker Switch

CAUTION

BPI® does NOT recommend the operator servicing of any internal parts. Please refer all servicing to qualified service personnel.

The Replacement Kit contains:

Replacement switch
2 connecting wires
2 wire screw caps

Tools required:

Flathead and Phillips Screwdrivers.
Wire Cutter/Stripper

1. UNPLUG THE INSTRUMENT FROM THE ELECTRICAL SOURCE.

2. Open the side panel (6 to 8 screws) to reveal the wiring. (**EXCEPT** Twin-8™, Computer 8™, Mini-Tank 4™, Mini-Tank 6™, and Solar Color 2™ machines... remove the front panel.)

3. Observe how the old wires are connected to the switch **and label each wire**.

4. Carefully remove the wire terminals from the old switch.

5. Remove the old switch by cutting off the plastic tabs close to the switch body and pushing it out. Press in the replacement switch.

6. If the old wires and connectors are undamaged, attach the wires to the new switch in the same positions as they were on the old switch.

7. If the wire or the connectors are damaged, cut off damaged wires and connectors, strip the insulation of the old wire back one inch and attach to the new wire and connector using wire screw caps. (See diagram on the use of wire screw caps at the bottom of the page.)

IF A FUSE BLOWS OR OTHER PROBLEMS EXIST WHEN TESTING THE SWITCH, PLEASE CONTACT OUR SERVICE TECHNICIANS AT (800) 327-2250 OR 1-800-CALL-BPI. (INTERNATIONAL: 305 264-4465)

This switch can be used in either 110v. or 200v. units



110v 110v 110v 110v 110v 110v 110v 110v 110v 110v 110v

D

BPI® Red Rocker Switch

CAUTION

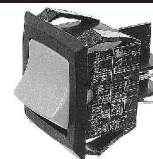
BPI® does NOT recommend the operator servicing of any internal parts. Please refer all servicing to qualified service personnel.

The Replacement Kit contains:

Replacement switch

Tools required:

Flathead and Phillips Screwdrivers.
Wire Cutter/Stripper



1. UNPLUG THE INSTRUMENT FROM THE ELECTRICAL SOURCE.

2. Open the side panel (6 to 8 screws) to reveal the wiring. (**EXCEPT** Twin-8™, Computer 8™, Mini-Tank 4™, Mini-Tank 6™, and Solar Color 2™ machines... remove the front panel.)

3. Observe how the old wires are connected to the switch **and label each wire**.

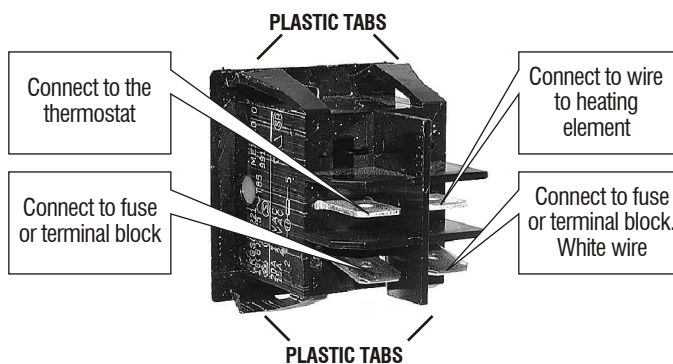
4. Carefully remove the wire terminals from the old switch.

5. Remove the old switch by cutting off the plastic tabs close to the switch body and pushing it out. Press in the replacement switch.

6. Attach the wires to the new switch in the same positions as they were on the old switch.

IF A FUSE BLOWS OR OTHER PROBLEMS EXIST WHEN TESTING THE SWITCH, PLEASE CONTACT OUR SERVICE TECHNICIANS AT (800) 327-2250 OR 1-800-CALL-BPI. (INTERNATIONAL: 305 264-4465)

SWITCH REPLACEMENT INSTRUCTIONS

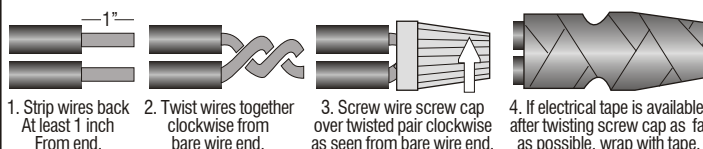


PARTS IDENTIFICATION



1. Terminal Block 2. Slip-on and 3. Ring Connector 4. Cut-off Switch

USE OF WIRE SCREW CAP CONNECTORS



220v 220v 220v 220v 220v 220v 220v 220v 220v 220v 220v