

ON/OFF SWITCH REPLACEMENT BPI® LENS TINTING INSTRUMENTS

C

BPI® White Rocker Circuit Breaker Switch

#60215 20 amp
#60216 15 amp

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 nuts

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 nuts. (See diagram on the use of wire nuts 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 220v. units



110v 220v 110v 220v 110v 220v 110v 220v 110v 220v 110v

D

BPI® Red Rocker Switch

CAUTION
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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.

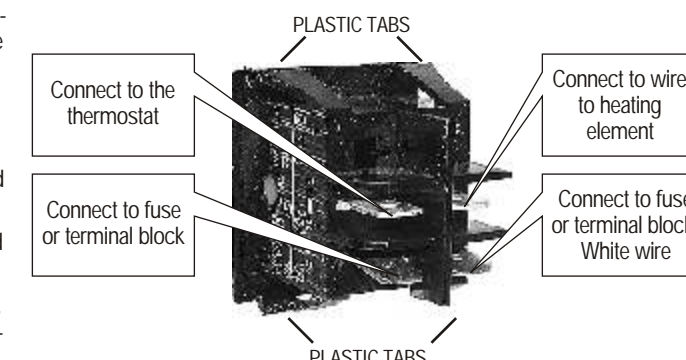
4. Carefully remove the wire terminals from the old switch.

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.

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SWITCH REPLACEMENT INSTRUCTIONS



PLASTIC TABS

Connect to the thermostat


Connect to wire to heating element

Connect to fuse or terminal block

Connect to fuse or terminal block. White wire

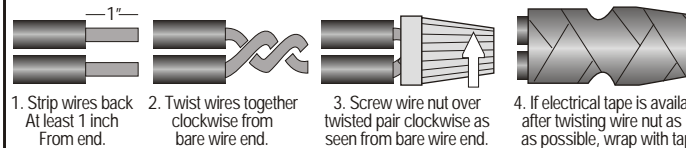
PLASTIC TABS

PARTS IDENTIFICATION



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

USE OF WIRE NUT CONNECTORS



1. Strip wires back At least 1 inch From end.

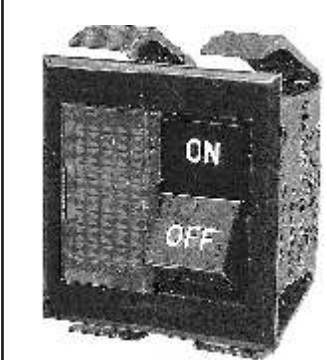


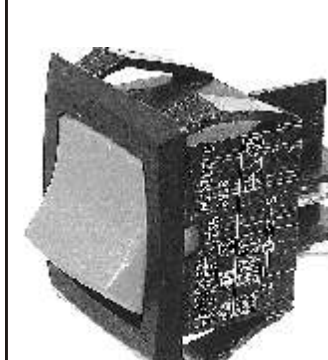
2. Twist wires together clockwise from bare wire end.

3. Screw wire nut over twisted pair clockwise as seen from bare wire end.

4. If electrical tape is available, after twisting wire nut as far as possible, wrap with tape.

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

PLEASE FOLLOW THE INSTRUCTIONS FOR THE HIGHLIGHTED SWITCH

A	B	C	D
			
Black Rocker Switch with Red Light BPI#60210	60213 Red Rocker Switch marked with I O has been replaced with: Dark Red Rocker 5 prong Switch BPI#60217	110v. or 220v. White Rocker Circuit Breaker Switch marked I and O BPI#60215 20 amp BPI#60216 15 amp	220v. ONLY Red Rocker 4 prong Switch BPI#60212

PLEASE FOLLOW THE INSTRUCTIONS FOR THE HIGHLIGHTED SWITCH

Type (D) is supplied as a replacement switch in 220v units only.

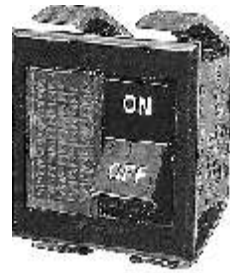
CAUTION: BPI® does NOT recommend the operator servicing of any internal parts. Please refer all servicing to qualified service personnel.

BPI®

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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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A



BPI® Black Rocker Switch with Red Light

#60210

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 Nut
- Shrink-Down Insulation Tubing

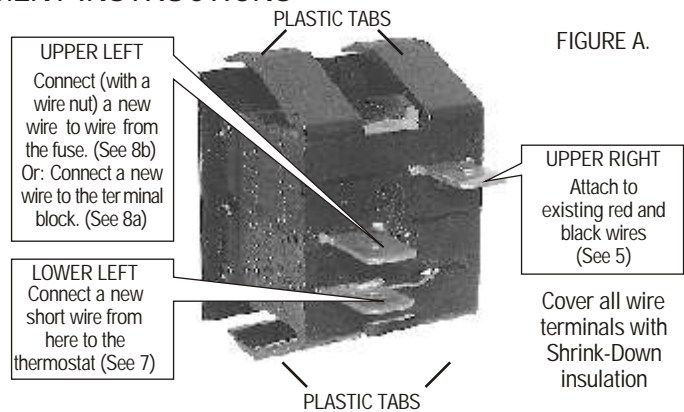


Tools required:

- Flathead and Phillips Screwdrivers.
- Wire Cutter/Stripper

SWITCH REPLACEMENT INSTRUCTIONS

- UNPLUG THE INSTRUMENT FROM THE ELECTRICAL SOURCE.
- 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.)
- Observe how the old wires are connected to the switch and label each wire. Then disconnect the wires from the back of the switch.
- 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).
- 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)
- The new switch has high current wires supplied with it since the old ones may be damaged. Use the new ones.
- 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)
- 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)
- Check the wires for tightness.
- Replace the side (or front) panel.



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 nut (supplied in the kit) tightly onto both wires to secure together. Tape the wire nut tightly with electrical tape. (See Figure A. UPPER LEFT)

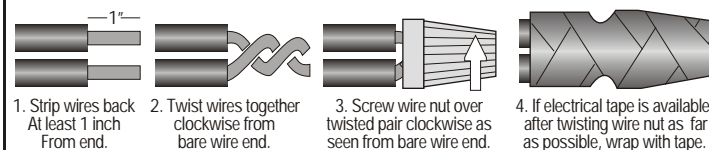
IF A FUSE BLOWS OR OTHER PROBLEMS EXIST WHEN TESTING THE SWITCH, PLEASE CONTACT OUR SERVICE TECHNICIANS AT (800) 327-2250 OR 1-800-CALL-BPI. (INTERNATIONAL: 305 264-4465)

PARTS IDENTIFICATION



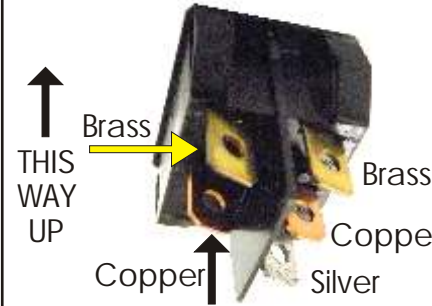
- Terminal Block
- Slip-on and 3. Ring Connector
- Ring Connector
- Cut-off Switch

USE OF WIRE NUT CONNECTORS



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

B



BPI® Dark Red Rocker Switch

#60217

CAUTION

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

The Replacement Kit contains:

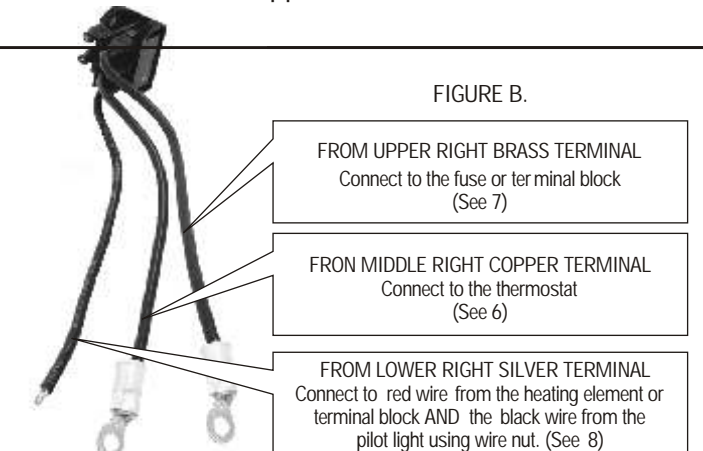
- Replacement Switch; 3 wires and 2 Wire Nuts
- 2 wires have slip-on connectors on one end and ring connector on the other
- 1 Red wire with slip-on on one end

Tools required:

- Flathead and Phillips Screwdrivers. Wire Cutter/Stripper

SWITCH REPLACEMENT INSTRUCTIONS

- UNPLUG THE INSTRUMENT FROM THE ELECTRICAL SOURCE.
- 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.)
- Observe how the old wires are connected to the switch and label each wire. Then disconnect the wires from the back of the switch.
- Replace the old wires with new ones if possible.
- 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 BRASS COLORED TABS ARE UP! (The thermostat may need to be loosened).
- To the middle right copper colored tab of the replacement switch (as seen from the rear) slip-on a wire which has a ring connector on the other end to be connected to the thermostat. (See Figure B, MIDDLE RIGHT) Discard existing wire.
- The upper right brass slip-on connection of the replacement switch (as seen from the rear) has to be connected to the terminal block on the floor of the machine. Replace the existing wire from the terminal block (1). On some older machines, it goes directly to the fuse-holder. If from fuse holder, cut off the ring connector from the new wire, strip back the insulation at least one inch and attach to the wire from the fuse holder using a wire nut (See Figure B, UPPER RIGHT).



8a. The old connector on the low current black wire to the pilot lamp (above the thermostat knob) may be cut off, the wire stripped back at least one inch and the wire must be wire-nutted onto the new red wire which is slipped onto the lower silver connector (as seen from the rear) of the new switch. (See Figure B, LOWER RIGHT)

8b. 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 wire-nutted to the red wire from the right lower switch connection also. (See Figure B, LOWER RIGHT)

9. Check the wires for tightness.

10. Replace the side (or front) panel.

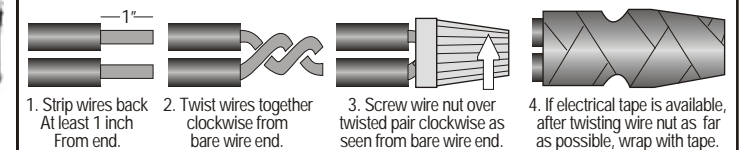
IF A FUSE BLOWS OR OTHER PROBLEMS EXIST WHEN TESTING THE SWITCH, PLEASE CONTACT OUR SERVICE TECHNICIANS AT (800) 327-

PARTS IDENTIFICATION



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

USE OF WIRE NUT CONNECTORS



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