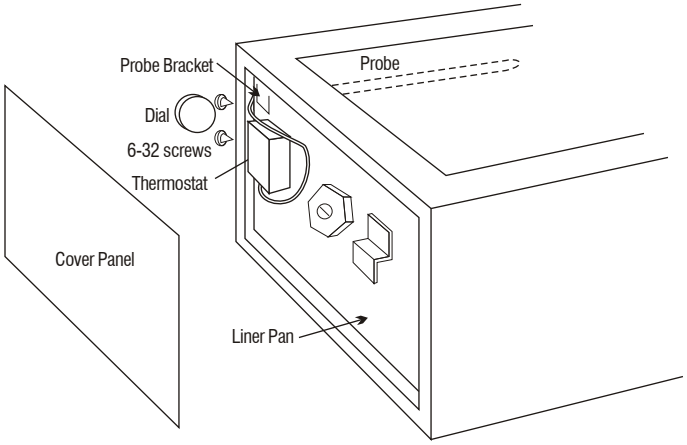
Instructions for replacement of the thermostat in BPI® Lens Tinting Instruments (110 v. units only)

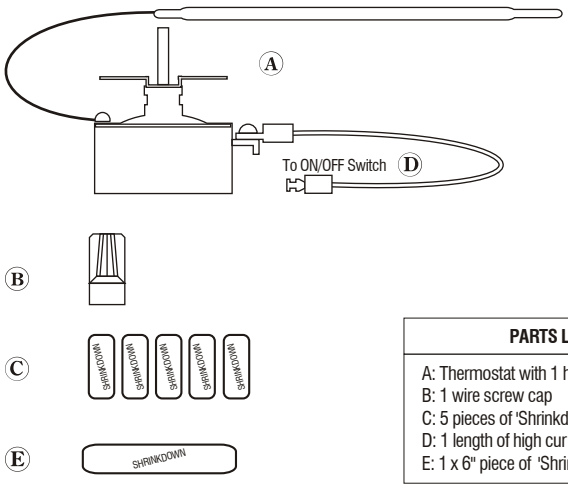
UNITS BUILT AFTER JAN 2003

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

TYPICAL PARTS LAYOUT



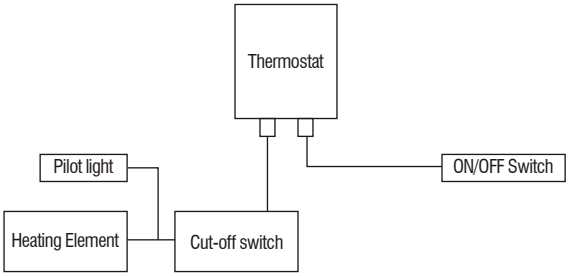
BPI THERMOSTAT REPLACEMENT KIT



PARTS LIST

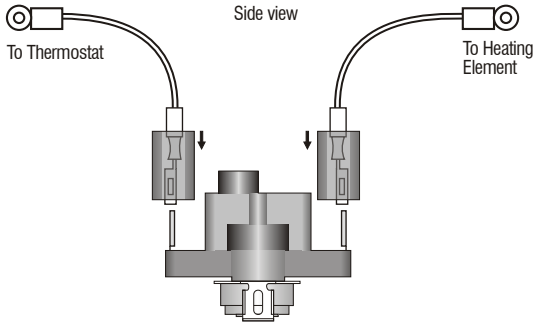
A: Thermostat with 1 high current wires
B: 1 wire screw cap
C: 5 pieces of 'Shrinkdown' insulation
D: 1 length of high current wire
E: 1 x 6" piece of 'Shrinkdown' insulation

WIRING DIAGRAM



Note: This is not a complete wiring diagram for your particular lens tinting instrument. It is a simplified diagram for the purposes of replacing the thermostat.

CUT-OFF SWITCH



1. Unplug the instrument from the electrical source.

2. Remove the HTF-90™ heat transfer fluid and clean the base unit.

3. Remove the end plate (or front panel) to expose the electrical connections.

3. Observe how the old wires are connected to the thermostat.

4. Remove (pull-off) the thermostat dial. This exposes two 6-32 screws. Remove these screws. This detaches the thermostat main body from the chassis.

5. Take off the old wires from the thermostat by removing the screws on the thermostat body that hold the ring connectors.

6. Remove the thermostat bulb from the probe bracket along the outside of the liner pan.

7. Slip the old thermostat probe out of the bracket. The old thermostat is now free of the chassis. Observe how the probe tube was routed.

8. Straighten the new thermostat probe wire gently.

9. Place the 6" length of 'Shrinkdown' insulation (E) over the probe tube.

10. Re-attach the wires on the back of the thermostat. The new thermostat has one high current wire (D) already attached to it. Connect this wire to the ON/OFF switch. (In place of the existing wire).

11. Place thermostat probe (bulb) into the probe bracket outside the liner pan.

12. Route the new probe tube in the same way as the old one. Do not kink it!.

13. Attach the thermostat to the chassis using two 6-32 screws. Replace the dial. (Replacing the dial will cover the screws.)

14. **If a '0 - 10' dial was supplied with this kit, use it in place of the '60 - 250' dial, as this thermostat has a different calibration.**

15. Replace the insulation and screw on the end plate (or front panel).

16. **IF A FUSE BLOWS OR OTHER PROBLEMS EXIST WHEN TESTING THE SWITCH, PLEASE CONTACT OUR SERVICE TECHNICIANS AT 1-800-327-2250**

4470 SW 74th Avenue, Miami. Fl 33155
International Phone: (305) 264-4465
International Fax: (305) 264-1467

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BPI® Instructions for replacement of the thermostat in BPI® Lens Tinting Instruments (110 v. units only)

UNITS BUILT BEFORE DEC 2002

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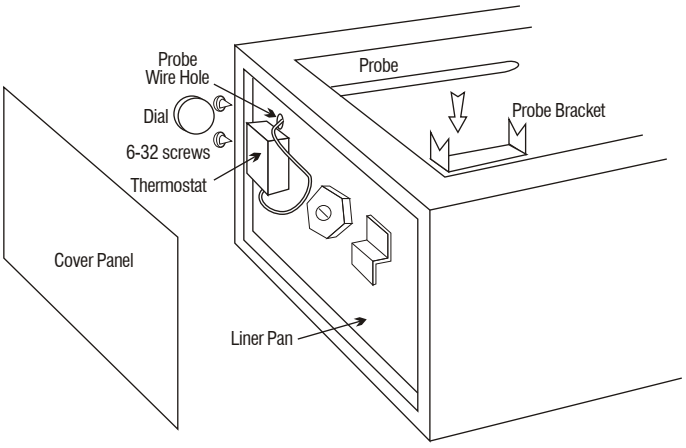
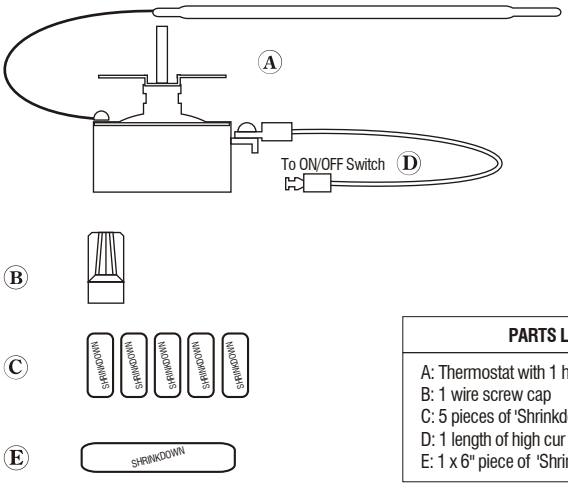
TYPICAL PARTS LAYOUT



BPI THERMOSTAT REPLACEMENT KIT



PARTS LIST

A: Thermostat with 1 high current wires
B: 1 wire screw cap
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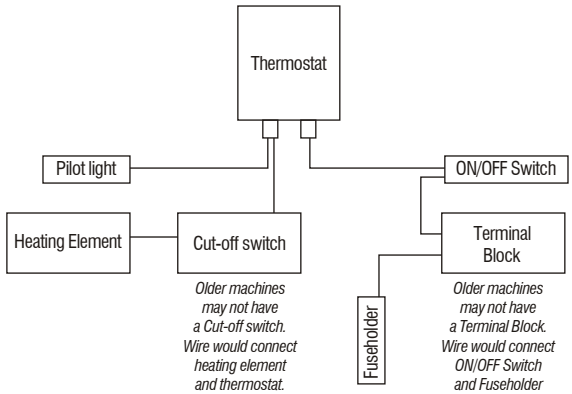
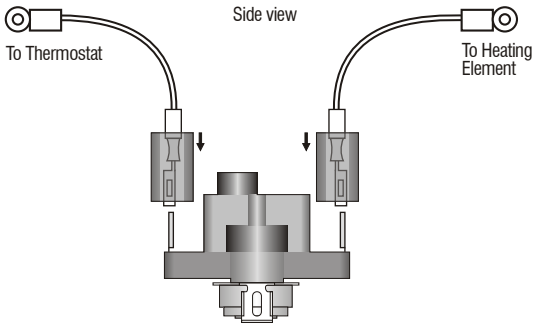
WIRING DIAGRAM



Note: This is not a complete wiring diagram for your par ticular lens tinting instrument. It is a simplified diagram for the purposes of replacing the ther mostat.

CUT-OFF SWITCH



1. Unplug the instr ument from the electrical source.

2. Remove the HTF-90™ heat transfer fluid and clean the base unit.

3. Remove the end plate (or front panel) to expose the electrical connections.

3. Observe how the old wires are connected to the thermostat.

4. Remove (pull-off) the thermostat dial. This exposes two 6-32 screws. Remove these screws. This detaches the thermostat main body from the chassis.

5. Take off the old wires from the ther mostat by removing the screws on the ther-mostat body that hold the ring connectors.

6. Remove the thermostat bulb from the probe bracket inside the liner pan.

7. Remove old silicone sealant from the probe wire hole.

8. Slip the old ther mostat probe through the probe wire hole. The old ther mostat is now free of the chassis.

9. Straighten the new ther mostat probe wire gently.

10. Place the 6" length of 'Shrinkdown' insulation (E) over the probe wire.

11.Slip the thermostat probe through the hole in the liner pan.

12. Attach the thermostat to the chassis using two 6-32 screws. Replace the dial. (Replacing the dial will cover the screws.)

13. **If a '0 - 10' dial was supplied with this kit, use it in place of the '60 - 250' dial, as this thermostat has a different calibration.**

14. Re-attach the wire from the pilot light on the back of the thermostat. The new thermostat has one high current wire (D) already attached to it. Connect this wire to the ON/OFF switch.

15. Place thermostat probe (bulb) into the probe bracket inside the liner pan.

16. Route the new probe wire flat against the liner pan.

17. Apply GE RTV silicone sealant or equivalent to seal the probe hole. Let it cure OVERNIGHT before placing heat transfer fluid in the liner pan and using the instru-ment.

18. Replace the insulation and screw on the end plate (or front panel).

19. **IF A FUSE BLOWS OR OTHER PROBLEMS EXIST WHEN TESTING THE SWITCH, PLEASE CONTACT OUR SERVICE TECHNICIANS AT 1-800-327-2250**

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