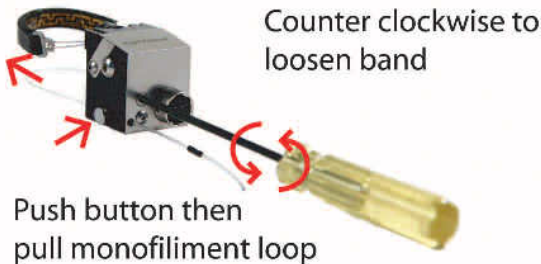


Objective Heater Assembly Instructions

(See Manual for Detailed Instructions)



Counter clockwise to loosen band

Push button then pull monofilament loop



Place heater over objective then size for correct spacer



Determine correct size spacer, remove backing from adhesive and apply to objective heater above secondary support band



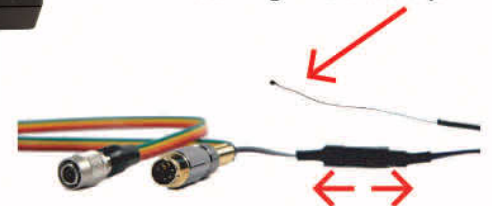
Clockwise to secure band

Push button then pull monofilament tail



Plug cord into controller **ONLY** when heater is secured on objective

Reference Thermistor: This thermistor is only used for calibration during initial setup



Reference thermistor cable is detachable and can be stored after initial calibration

Heater Installation:

(The heater band should be unplugged from the controller and the controller shut **OFF**)

1. Open the heaterband by inserting a 5/64 or 2mm Allen driver in the adjustment screw adjacent to the power plug. CW tightens, CCW loosens. Gently pull the heater-band away from the cube while loosening the support cables. Press the release button on the bottom of the cube to allow the secondary support band to be expanded.
2. There are three black rubber spacers of different thicknesses packaged with the objective heater to compensate for the various geometries of objectives. To determine the appropriate spacer, place the heater-band and secondary support band over and down onto the objective. Hold the "cube" so that it is parallel to the objective and note the space between the cube and the objective. Select the appropriate spacer thickness. Then, remove the protective cover from the adhesive and apply the spacer to the objective immediately above the secondary support band as shown.
3. Reattach the objective heater to the objective. Secure the heater loop by turning the Allen driver clockwise until the loop is snug. Use only enough pressure to cause the heater to conform to the objective diameter and uniformly compress the temperature sensor to the objective. **DO NOT OVER TIGHTEN** the loop. The secondary support band is secured by pressing the button located at the bottom of the heater-cube while pulling the monofilament "tail" adjacent to the plug.
4. Plug the Objective Heater cable into the controller and into the heater cube. Then turn the controller ON.
5. Set the display button to "Objective" and make sure that the display value is realistic (between room temperature and setpoint). If not realistic, turn off the controller and call Bioptechs.
6. See original instruction sheet or Bioptechs web site for adjusting the setpoint.