



# Heater Cartridge Insertion Procedure

Status	Done
Project	Heat Fiber Bundle Mounting Block
Tags	

## Items Required:

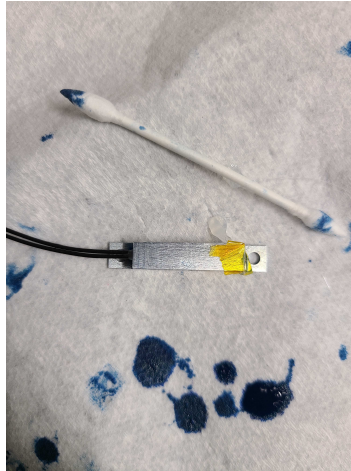
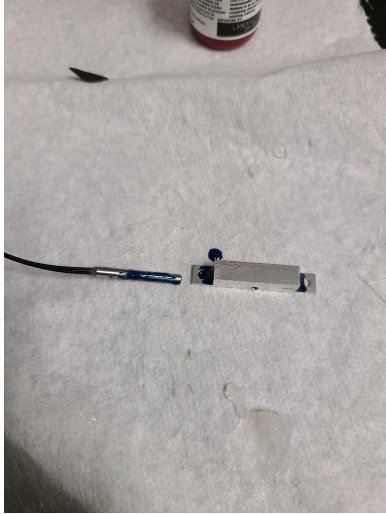
1. Loctite 246 - High Temp
2. 1 x Heater Cartridge 50W ( DC1101 Birk) Other carts will work but are slightly larger than the mounting block
3. 1 x Heater Cart Mounting Block
4. Kapton Tape
5. Nitrile Gloves
6. Thermocouple
7. JB Weld

**Loctite cures when not exposed to air. Heating Loctite can also make it cure faster**

## Procedure:

1. Put on gloves
2. Dispense Loctite into heater cart hole on both sides.

3. Put loctite onto heater cartridge
4. Insert into heater cart hole. Clean non-cart side end and tape it.
5. Rotate Heater cart so that the two wires are not vertical stack with respect to the mount
6. Tape heater cart end



## Thermocouple Procedure:

1. Choose thermocouple entrance so that its wires are coming out the top of the heater cart mounts
2. Tape the heater side in which will contact the fiber bundle chip mount block.
3. Mix JB Weld
4. Insert mixed JB weld into thermocouple hole with syringe tip
5. Insert thermocouple
6. Use Q-tips to wipe excess JB weld off heater mount
7. Wait 15-24 hours