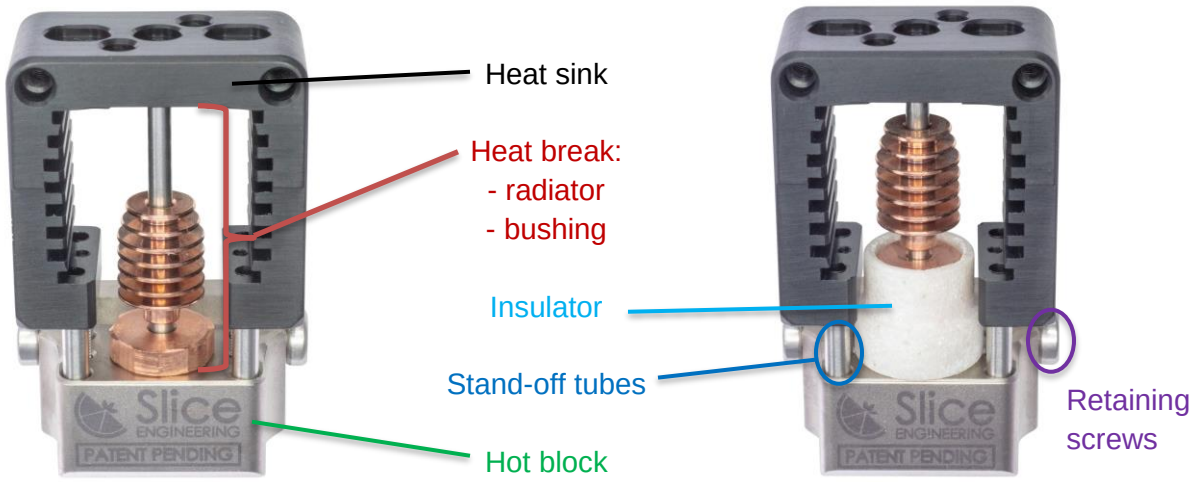
Mosquito™ Assembly/Disassembly Instructions



In addition to its many performance benefits, the Mosquito™ hotend is a modular design that is relatively simple to assemble and disassemble with the included tools.

Disassembly

Tools needed:

- Hex keys
- 9mm deep hex socket & wrench

1. Locate the 1.27 mm hex key (the smallest one) that was included in the Mosquito™ packaging (see Figure 1). Additional wrenches can be purchased as part of the ***Hex Keys for Mosquito™*** pack on www.sliceengineering.com

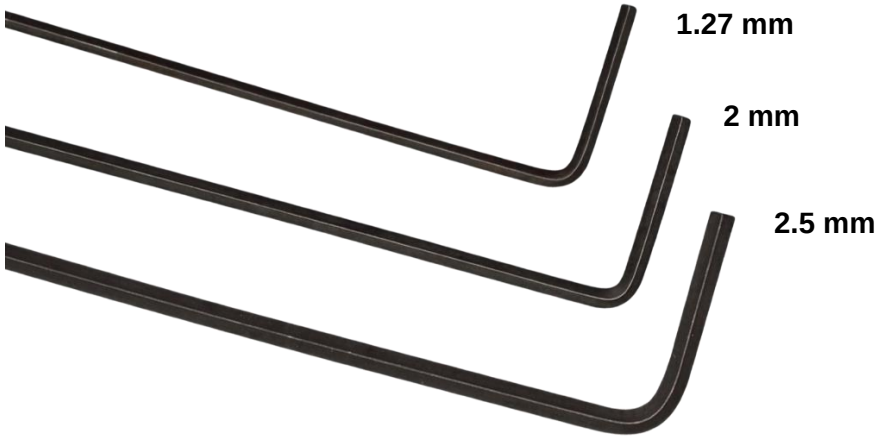


Figure 1. Hex Keys Included with Mosquito™

2. Use the 1.27 mm hex key to remove the M1.4 socket head cap screws in the bottom of the hot block (Figure 2).

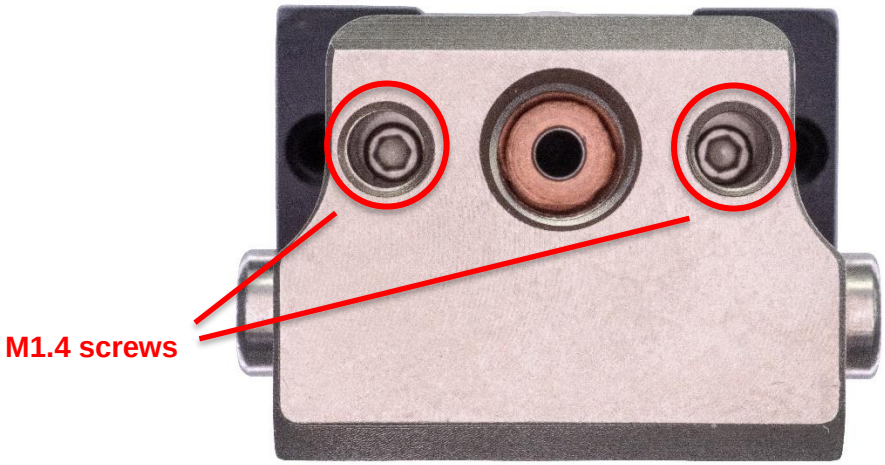


Figure 2. Bottom Face of Hot Block

3. Once the M1.4 screws are removed, the hot block and heat sink will slide apart with little effort. Collect the stand-off tubes and M1.4 screws to ensure they are not damaged or misplaced. If parts are damaged, replacements can be purchased as part of the ***Hot Block Hardware*** pack on www.sliceengineering.com.

Figure 3. Heat sink

Figure 4. Stand-off tubes and M1.4 screws

4. The hot block and heat break can be separated using a 9 mm deep hex socket. Place the socket over the heat break, snug against the copper bushing on the distal end. Remove the heat break by applying a counterclockwise torque.

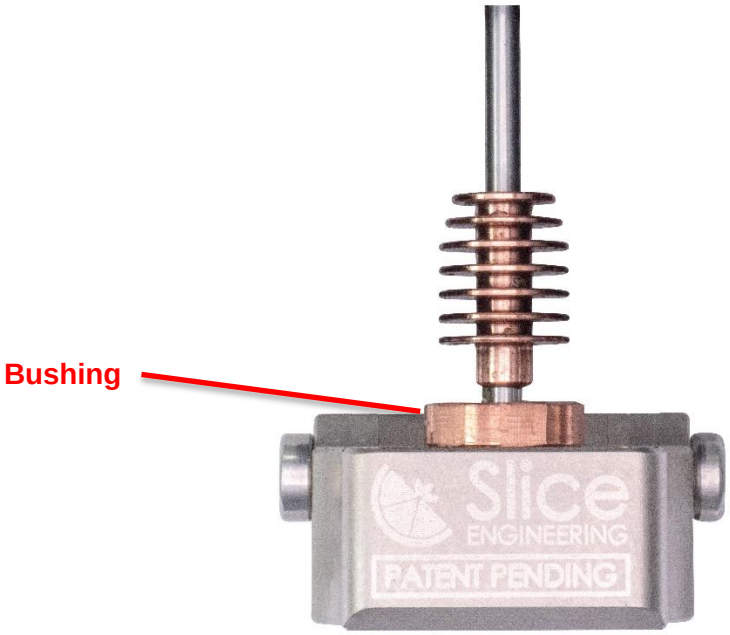


Figure 5. Hot Block and Heat Break

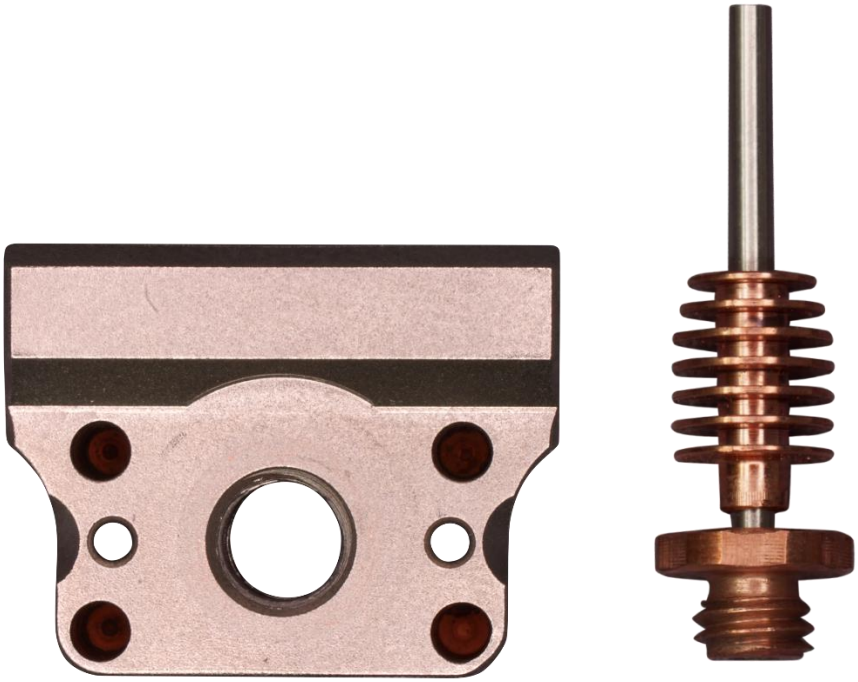


Figure 6. Fully Disassembled Hot Block and Heat Break

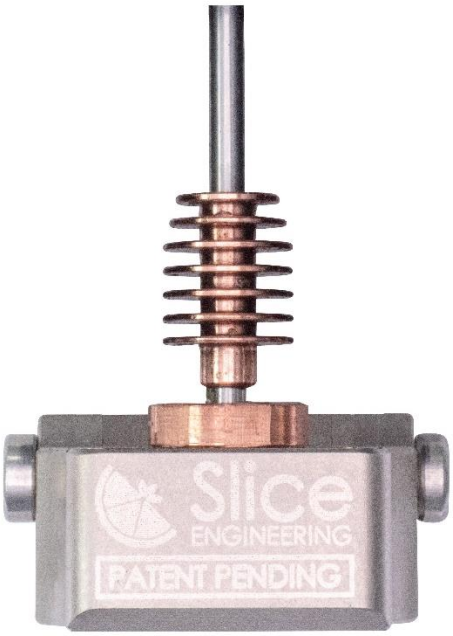
Assembly

Tools needed:

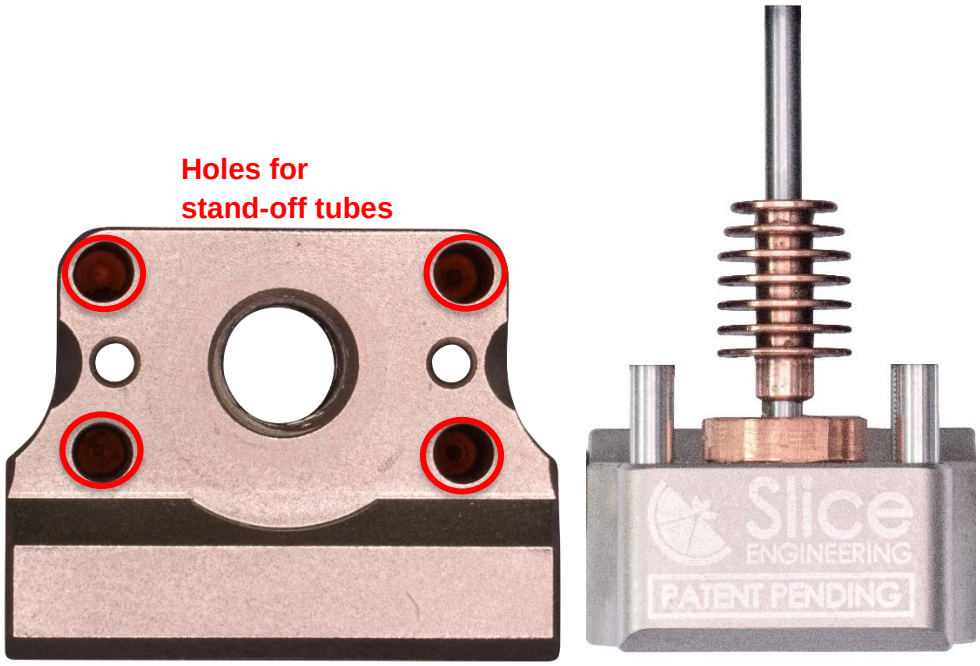
- Hex keys
- 9mm deep hex socket & wrench
- Boron Nitride Paste
- Red Loctite®

1. Apply Boron Nitride Paste to the threads of the heat break. Boron Nitride paste acts as a conductive agent to improve heat transfer between the threads (purchase BN paste at www.sliceengineering.com).

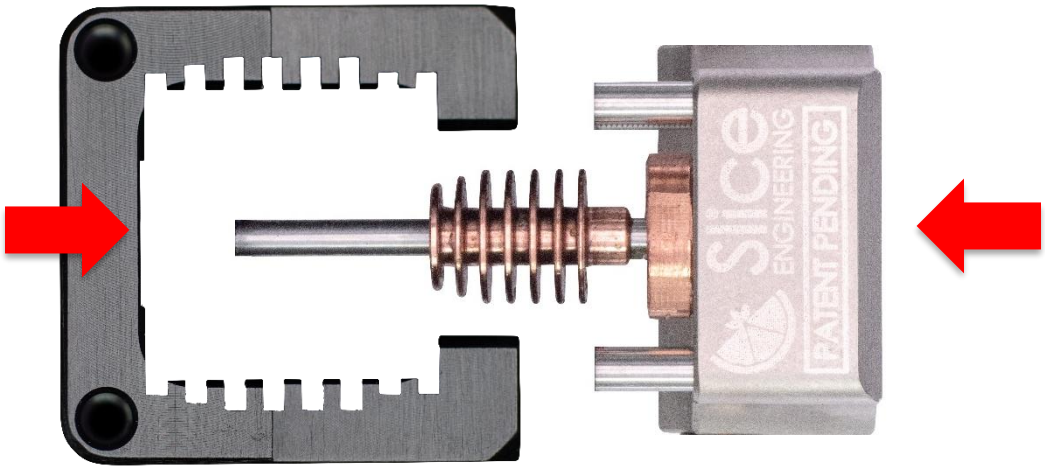
2. Use the 9 mm deep hex socket & wrench to thread the heat break into the hot block. The heat break should be torqued down to approximately 4 Nm.



3. Insert the stand-off tubes into the hot block.



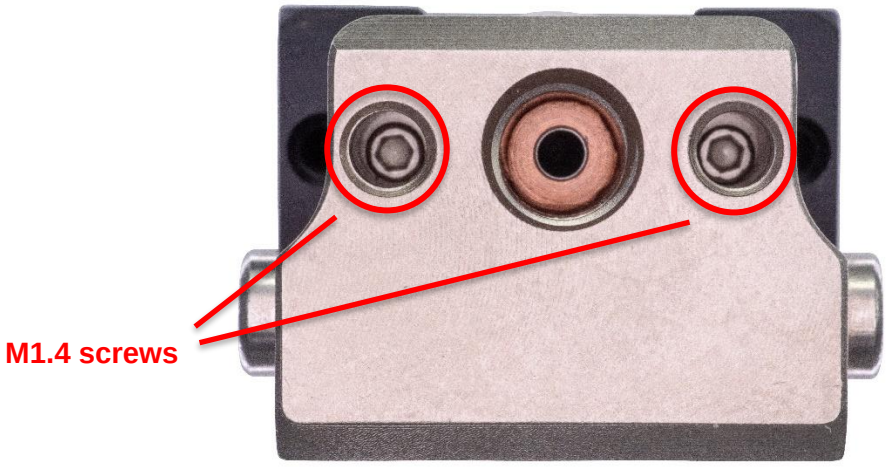
4. ***Carefully*** align the heat sink with the 4 stand-off tubes and the heat break tube. Slide the heat sink down until it is fully seated against the tubes and heat break. If heat sink is not properly aligned, it will damage the heat break when tightened down.



5. After carefully aligning and fully seating the heat sink onto the hot block stand-off tubes and heat break, coat the ends of the M1.4 socket head cap screws with red Loctite®.

6. Insert the M1.4 socket head cap screws into the bottom of the hot block. Use the 1.27 mm hex key to tighten down the screws to “finger tight”.

> *Warning:* Do not overtighten the M1.4 screws, as the threads can be damaged, or the heads stripped out, potentially damaging your hotend.



7. Give yourself a pat on the back and break out a cold drink. You have successfully re-assembled your Mosquito™ hotend.

For more information please refer to www.sliceengineering.com