

### Nozzle Replacing

Warning: We strongly recommend using the filament or metal stick to dredge the clogged extruder or the stuck filament inside the extruder instead of replacing the parts, so you don't have to disassemble anything. The metal sticks under the diameter 1.75 mm are ok. For example this loop metal stick:<https://www.aliexpress.com/item/2037221587.html> or [www.amazon.com/dp/B01COSU6CW/](https://www.amazon.com/dp/B01COSU6CW/) . We can push down the filament or metal stick by hand again and again to the heated extruder to dredge the clogged extruder or the stuck filament, and this way usually works.

Please be careful for human electrostatic especially in winter when touching the motherboard or extruders or laser. The easiest way to solve this problem is that we can touch the metal part nearby by hand first before touching the motherboard or extruders or laser. So the electrostatic usually will be gone before touching the motherboard or extruders or laser.

It is strongly not recommended to replace the nozzle, as the nozzle usually is ok and there is the risk to replace the nozzle (hot end damage and not leveled nozzles). Please kindly contact the manufacturer or the seller first before replacing the nozzle, as there may be much easier way to solve your problem.

Usually the extruder clog is happened inside the hot end's throat tube, not the nozzle, and we just have to push down the filament or metal stick by hand again and again to the heated extruder to dredge the clogged extruder or the stuck filament, and this way usually works. No need to replace anything.

Please kindly check the attached video:

[https://drive.google.com/file/d/0B148jWiv\\_vJeMUVpWjdGVUxZOUe/view?usp=sharing&resourcekey=0-9oDCMXNsg6woCplbeHAKBw](https://drive.google.com/file/d/0B148jWiv_vJeMUVpWjdGVUxZOUe/view?usp=sharing&resourcekey=0-9oDCMXNsg6woCplbeHAKBw)

**Please do not tighten the nozzle too tight, or the nozzle will be broken.**

**After replacing the nozzle, two nozzles maybe not even. Here is the instruction to check it:**

[https://drive.google.com/file/d/1Id9LY1zaYfUNU6KqLy3YznuAQ7wq\\_aGd/view?usp=sharing](https://drive.google.com/file/d/1Id9LY1zaYfUNU6KqLy3YznuAQ7wq_aGd/view?usp=sharing)