

Tactical Laser - Bug A Salt



Laisch

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updated 2. 7. 2024 | published 2. 7. 2024

Summary

Laser aiming device for the But A Salt gunt 3.0

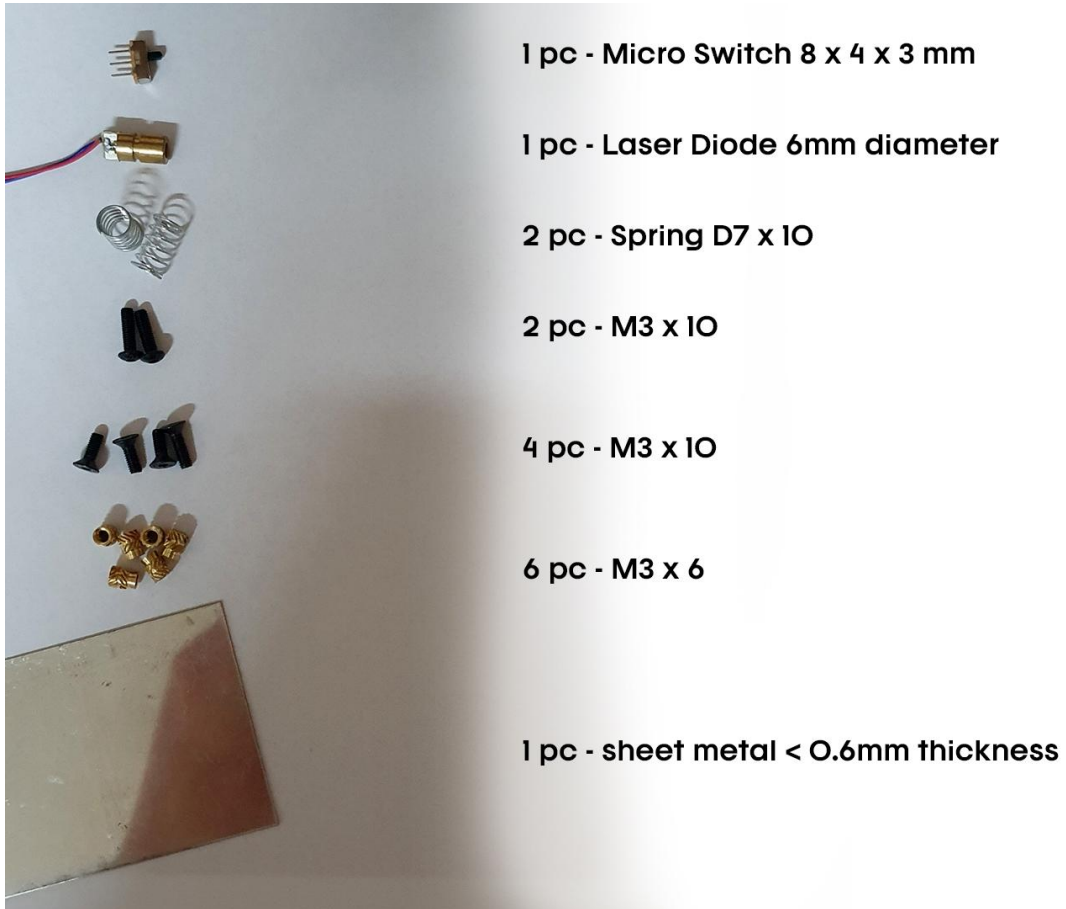
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[insect](#) [beam](#) [aim](#) [bugasalt](#) [saltgun](#)

This is a tactical laser attachment which fits on your Bug-A-Salt 3.0.

Read the Instructions before you print anything!

External Hardware:



1 pc - Micro Switch 8 x 4 x 3 mm

1 pc - Laser Diode 6mm diameter

2 pc - Spring D7 x 10

2 pc - M3 x 10

4 pc - M3 x 10

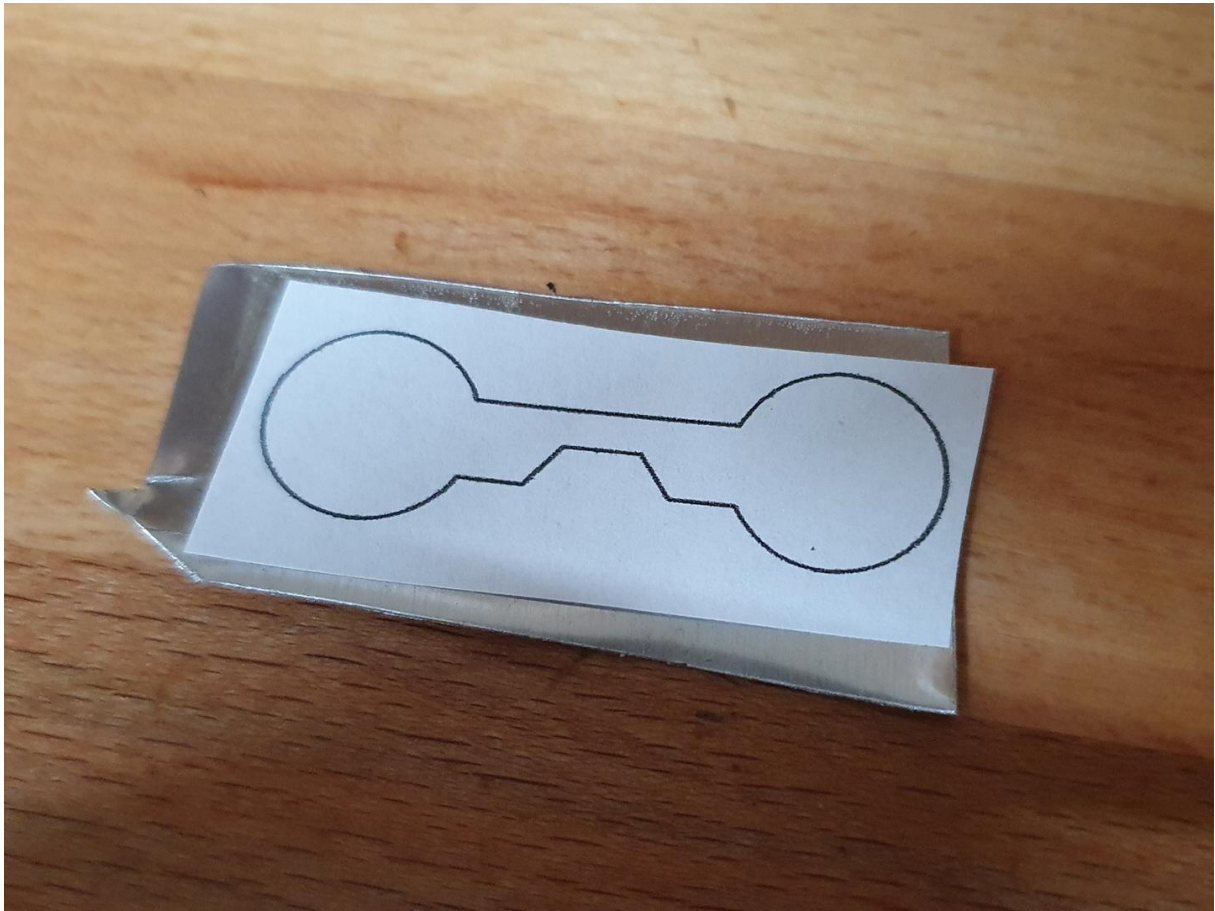
6 pc - M3 x 6

1 pc - sheet metal < 0.6mm thickness

Printing:

The front plate print features an mid print insert.

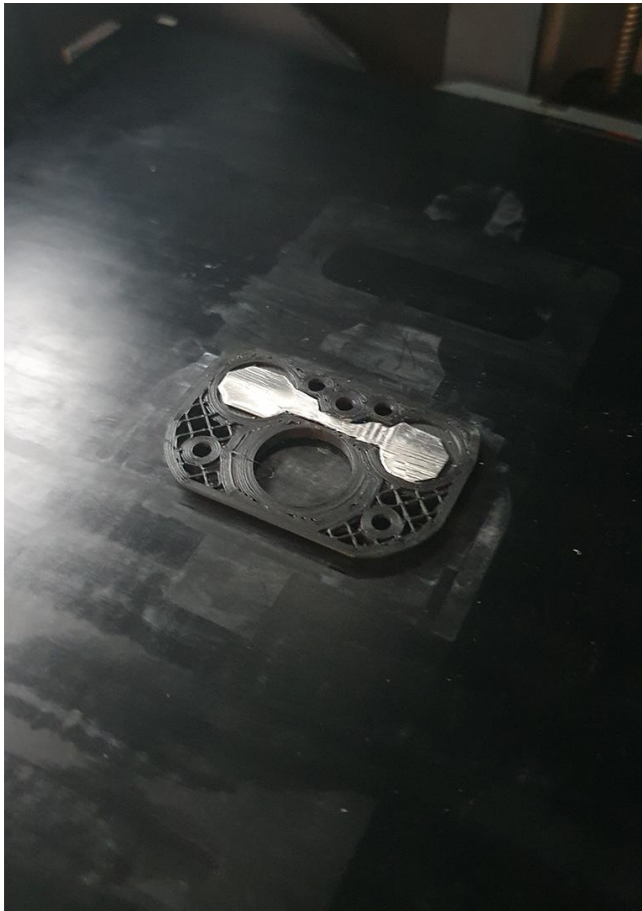
Print out the provided "metal-template.pdf" and glue the template to your metal sheet.



Cut out the template. You don't have to be exactly here, just make sure you cut it undersize to have a nice fit.

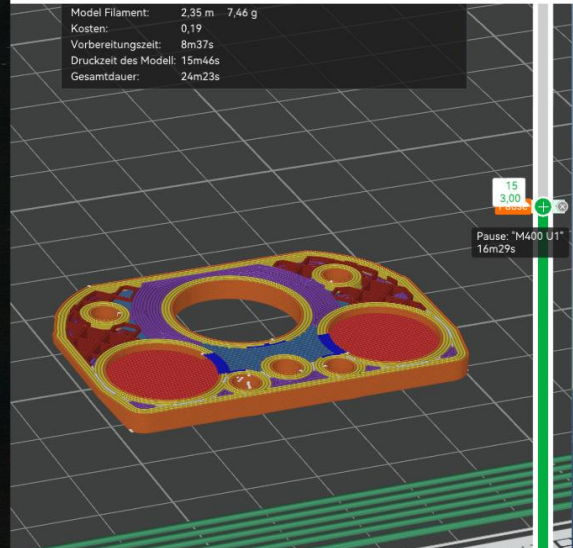


When printing you have to add a pause to your slicer at layer 15 (0.2mm layerheight) to add the metal plate.



FRONT PLATE:

1. Slice
2. scroll to layer 15
3. Right Click: add Pause
4. Slice again
5. In Pause add metal Plate
6. Resume printing

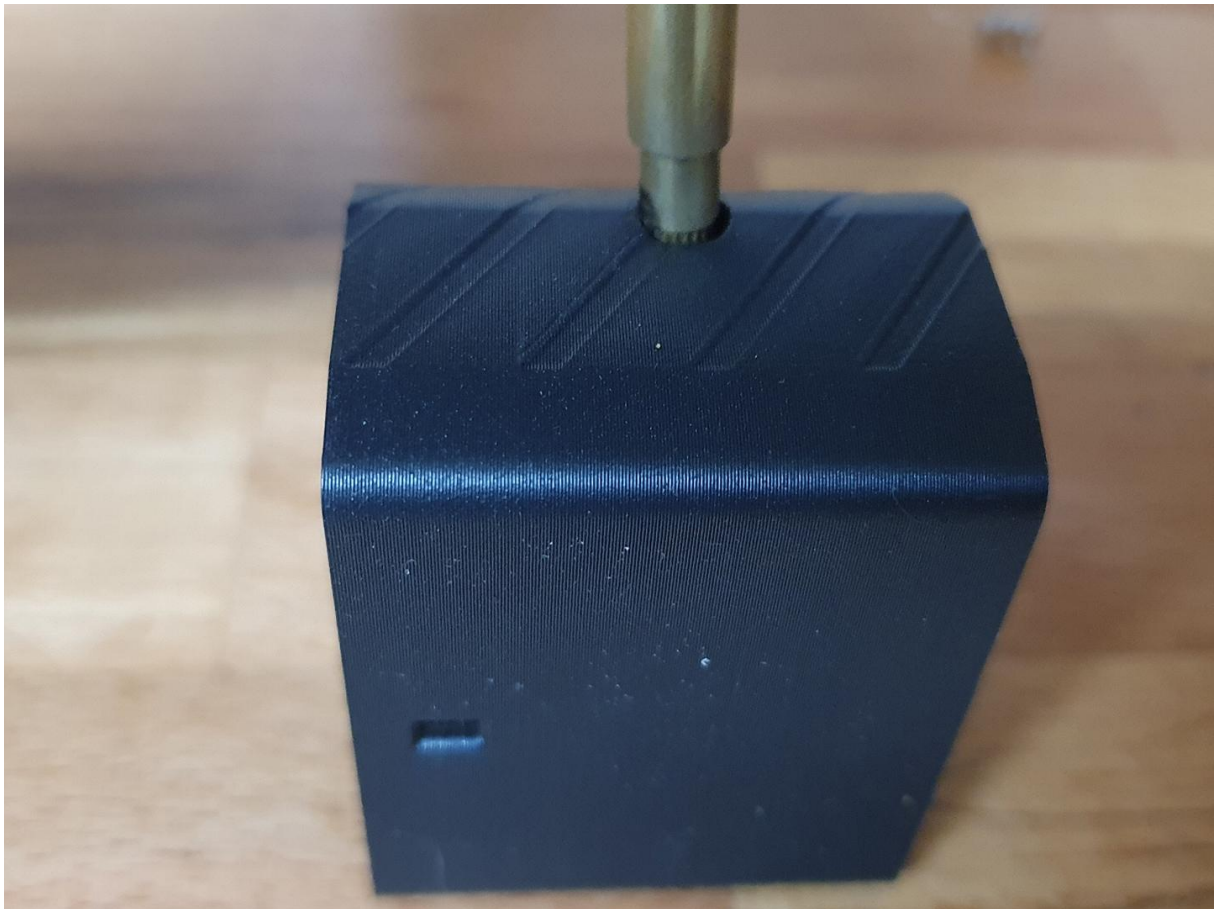
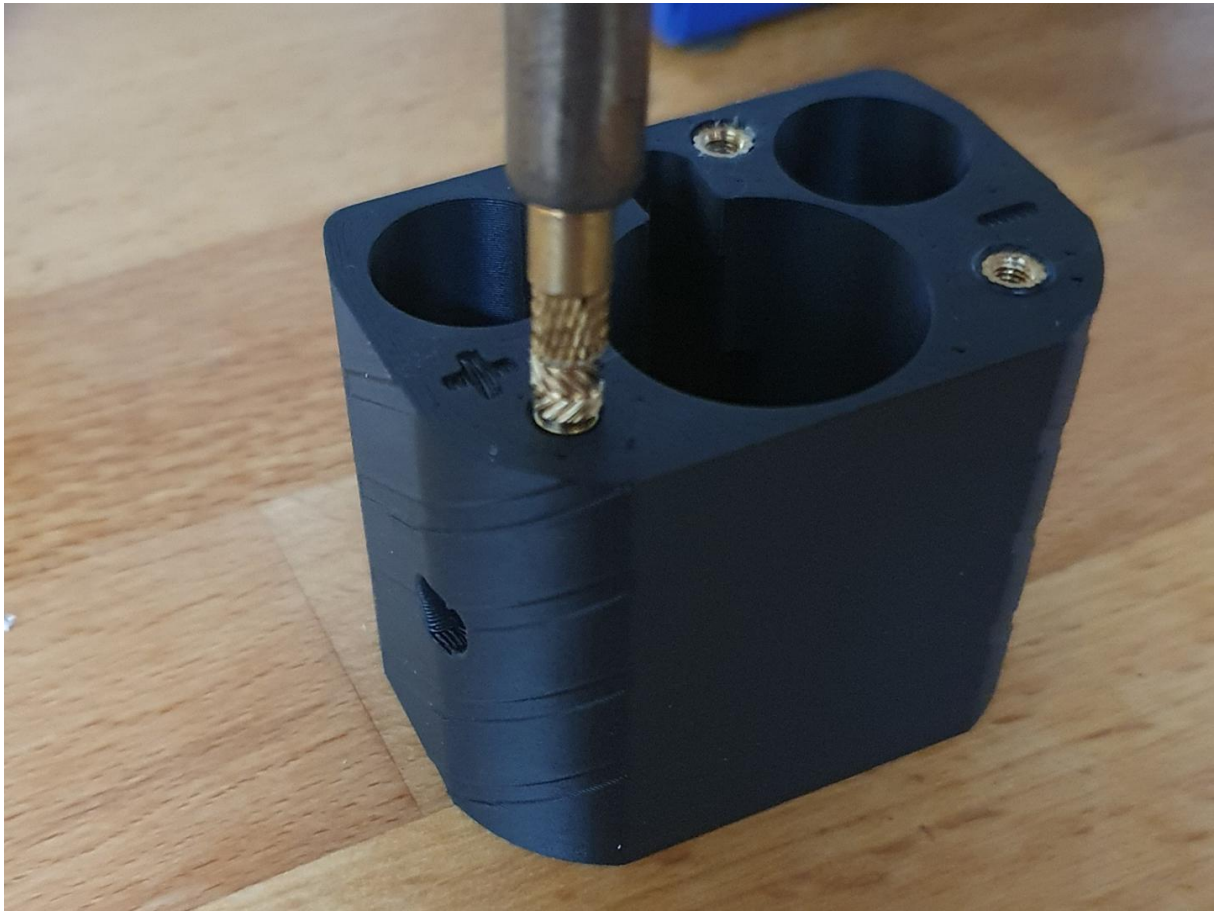


The Back plate has to be printed with supports:

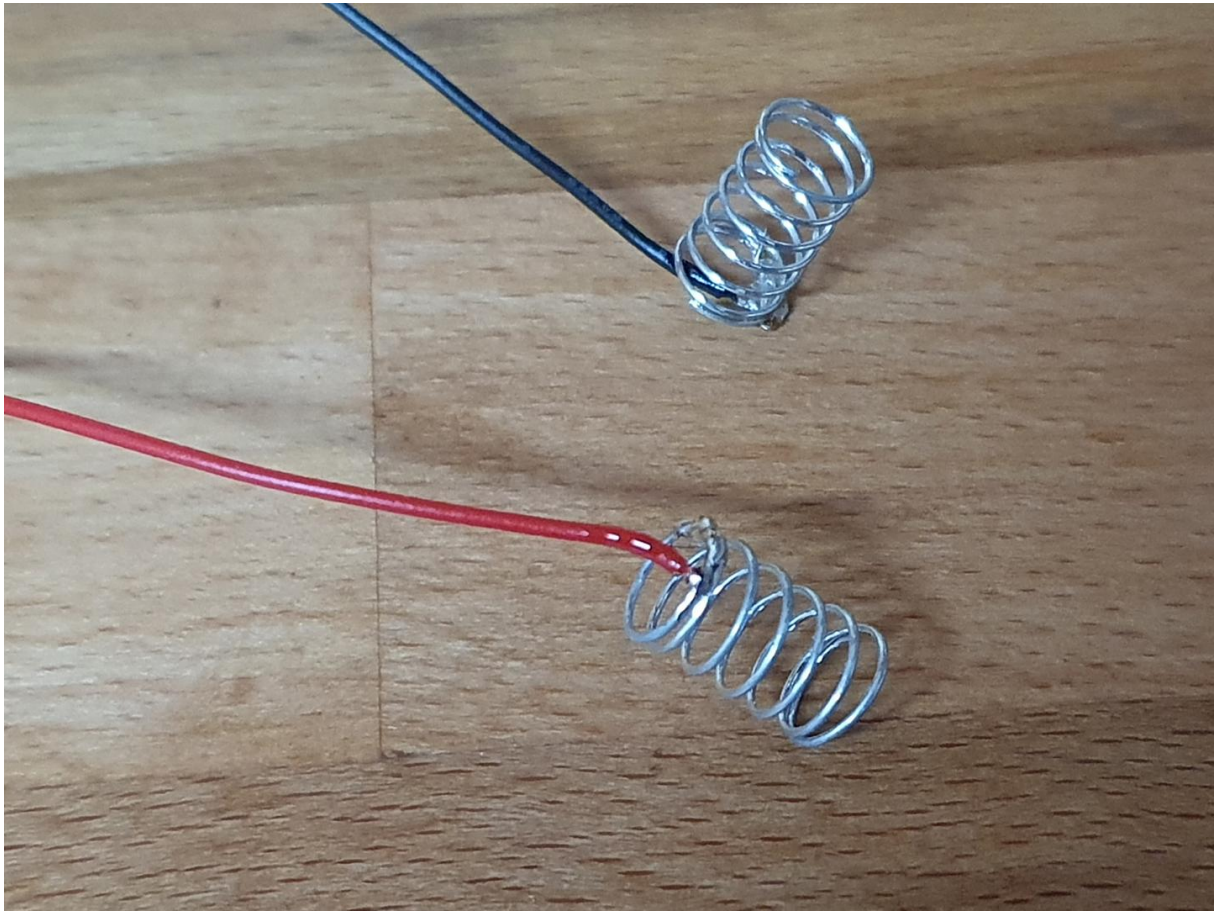


Assembly:

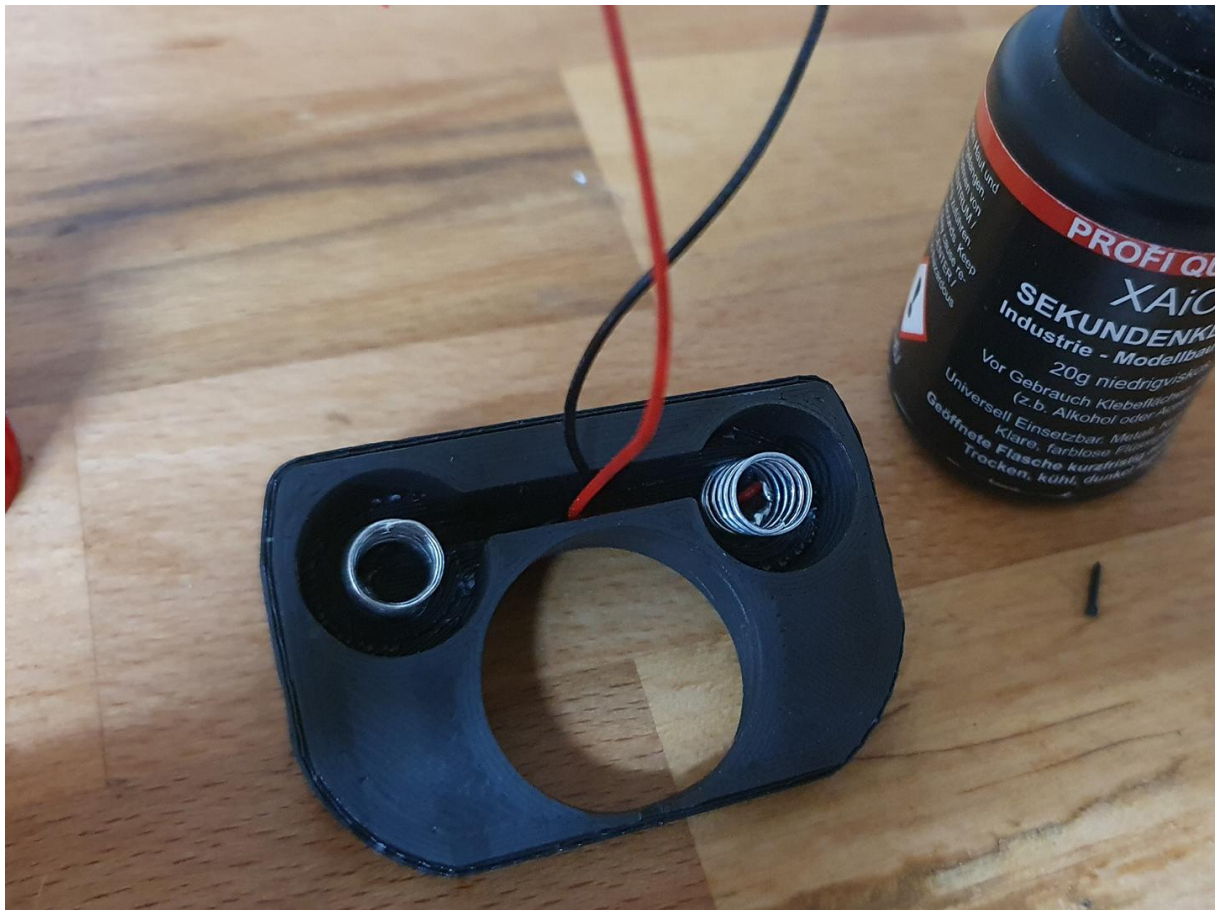
Add the threaded inserts to the middle - part:



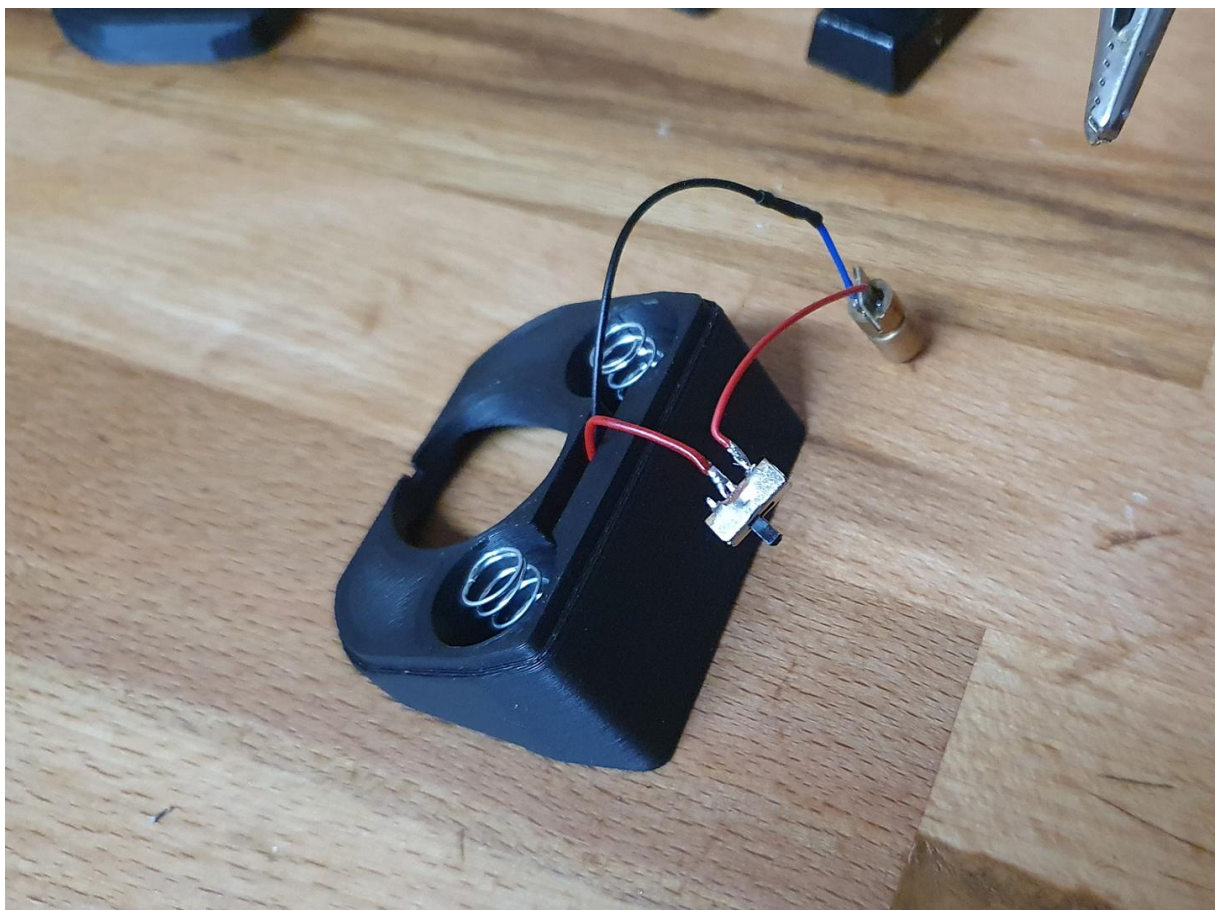
Solder wires to the springs:



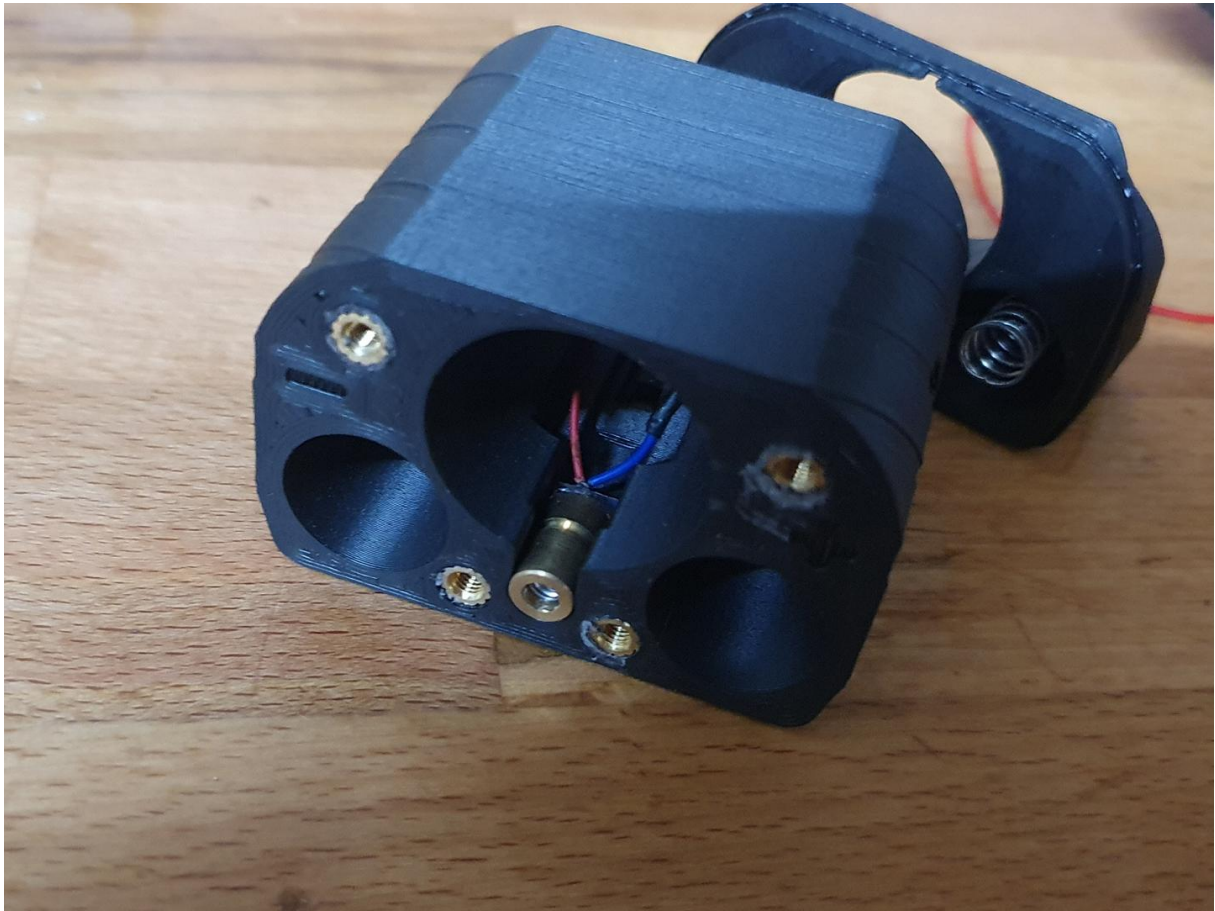
Glue the springs into the back - part with ca-glue:
(watch out for the polarity, otherwise the label for + and - on the middle part will be wrong)



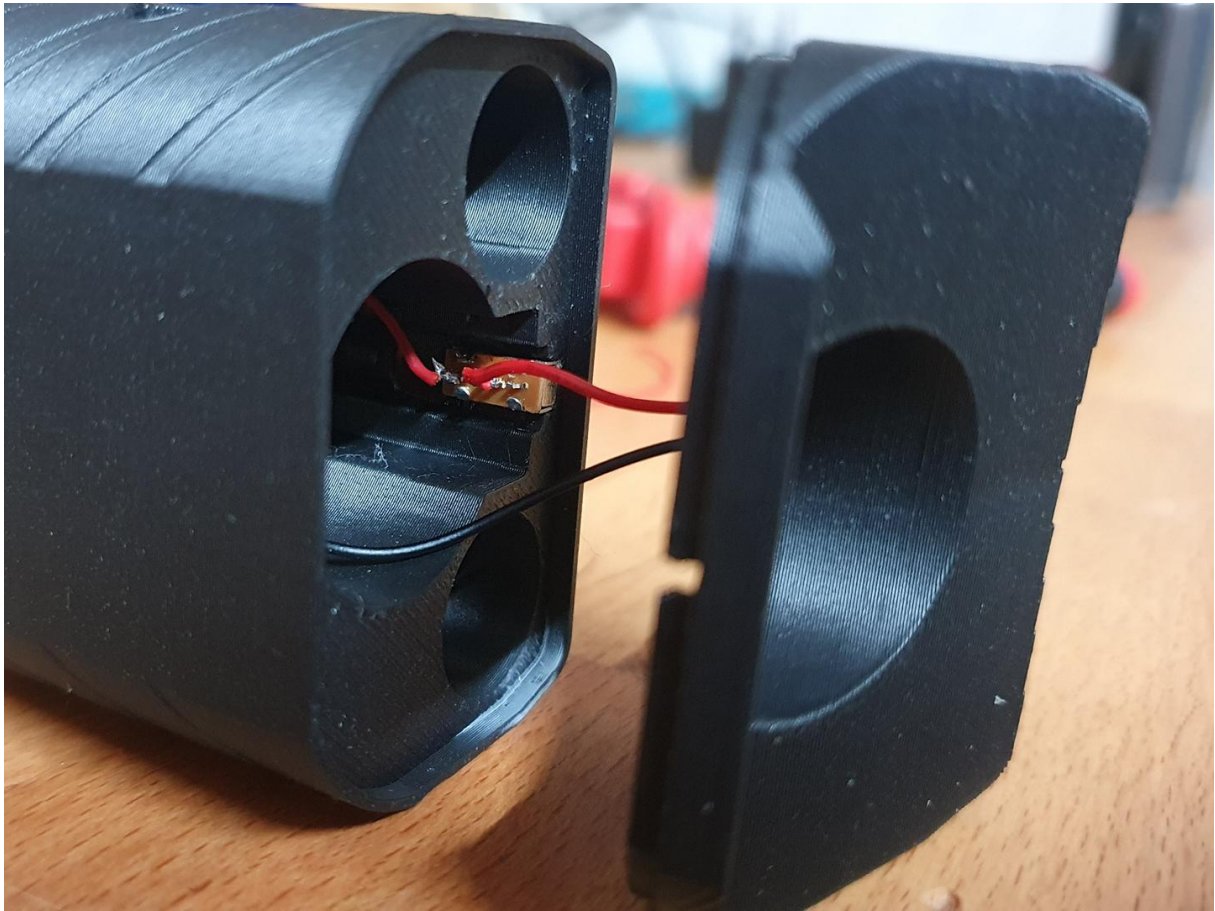
solder the switch and the diode



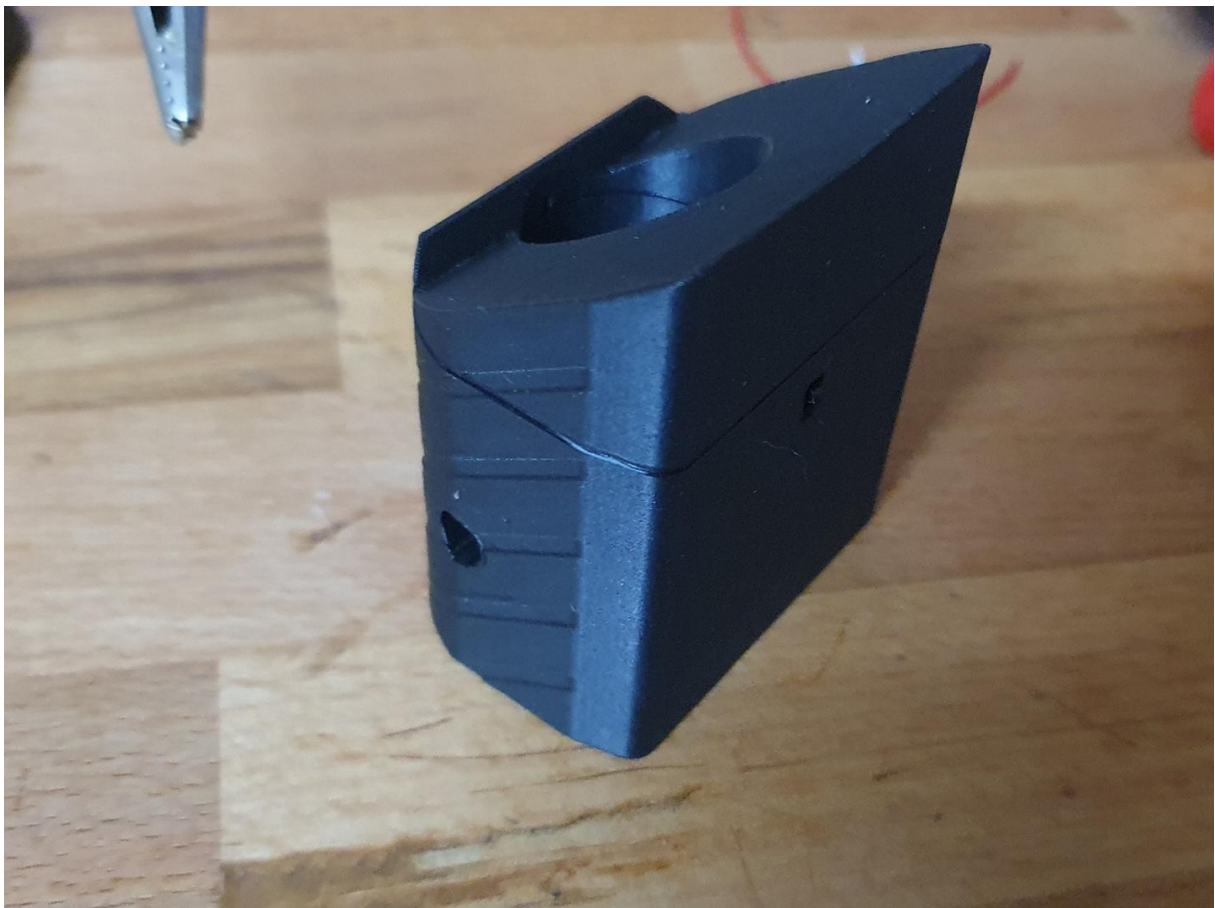
Slide in the diode to its position in the middle part (slide it in from the back):
its a press fit and the fit depends on your printer accuracy. If it is too tight, you can widen the hole with a 6mm drill.



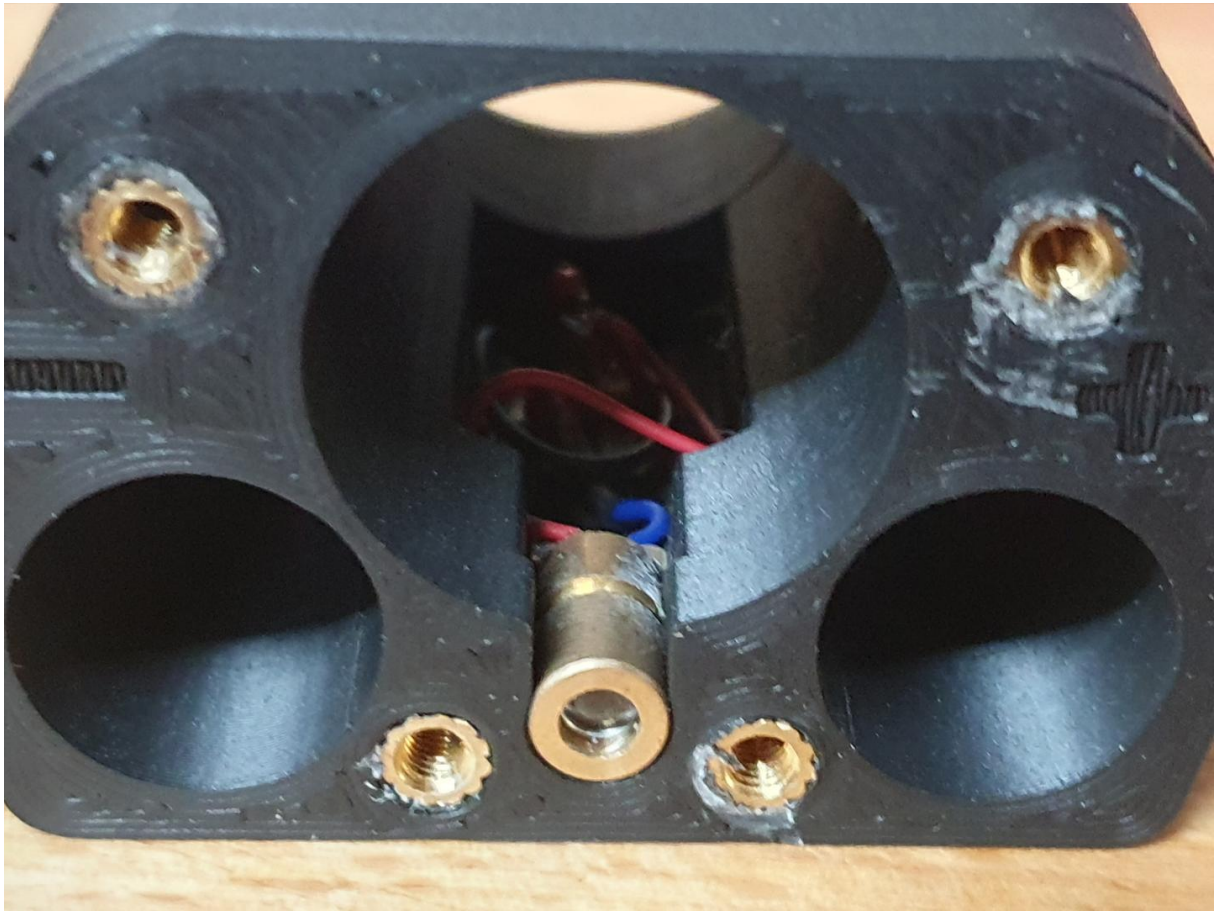
glue the switch into it's position. Be careful when using thin ca glue. it can destroy your switch.



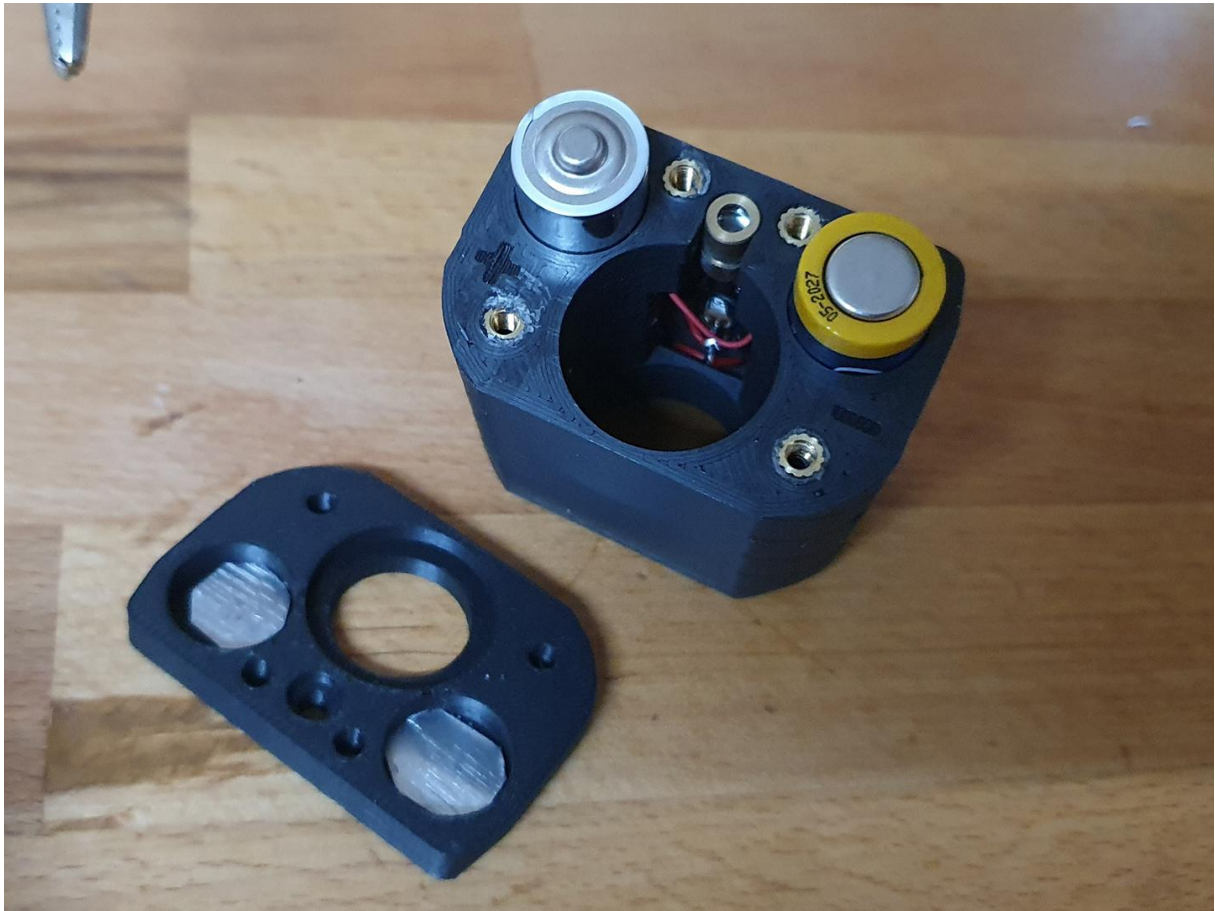
Glue the back and the middle part together:



push the cables into their position and secure them with some hot glue:



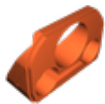
put in the two AA batteries and screw the two halves together using the for M3x10 counter sunk screws



Add it to your Bug-A-Salt 3.0 and secure it with the two M3 x 10 side screws



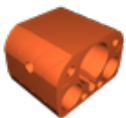
Model files



back.stl



frontplate.stl



middle.stl

Other files

metal-template.pdf

☐ metal insert for the front plate

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