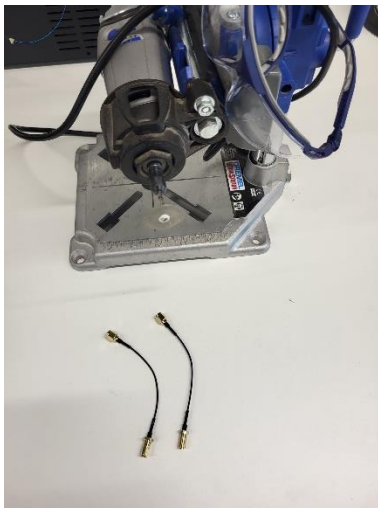
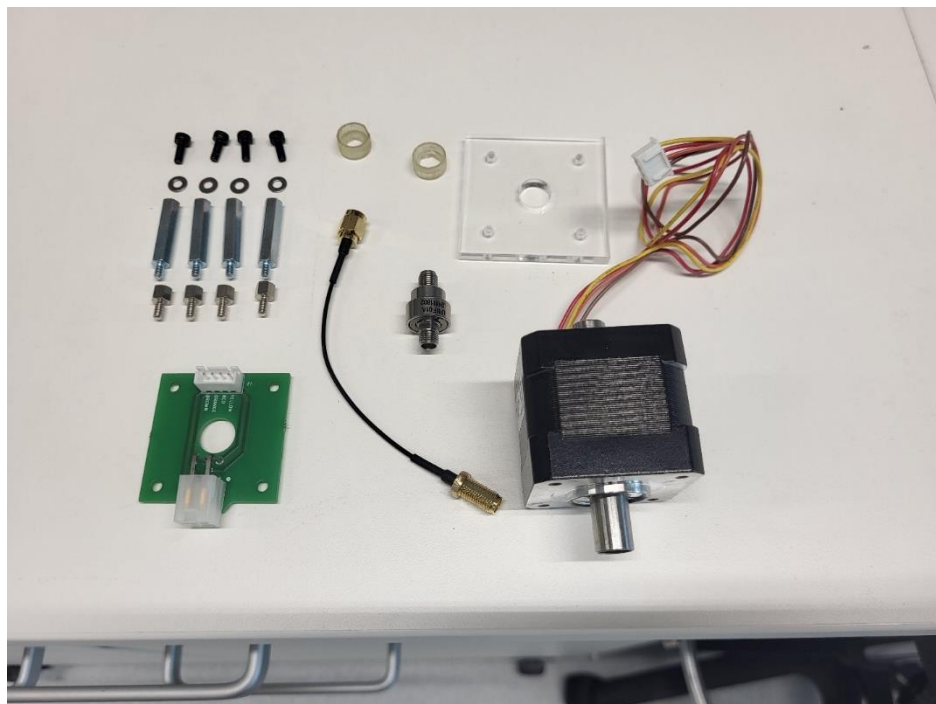


Assembly of 'el commutador'

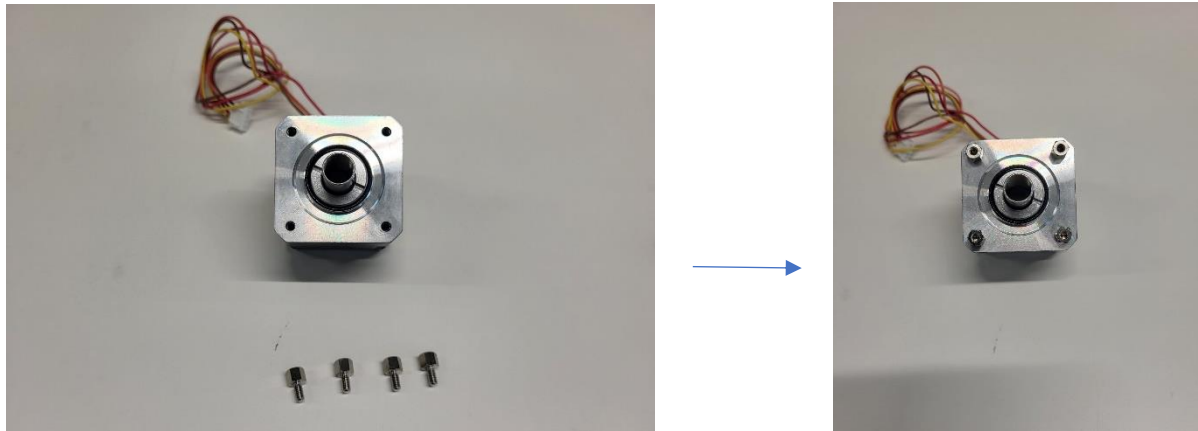
- (I) Use a spinning disk grinder to reduce the hexagonal nut on the SMA assembly to a circle that can fit through the hollow shaft of the stepper motor.



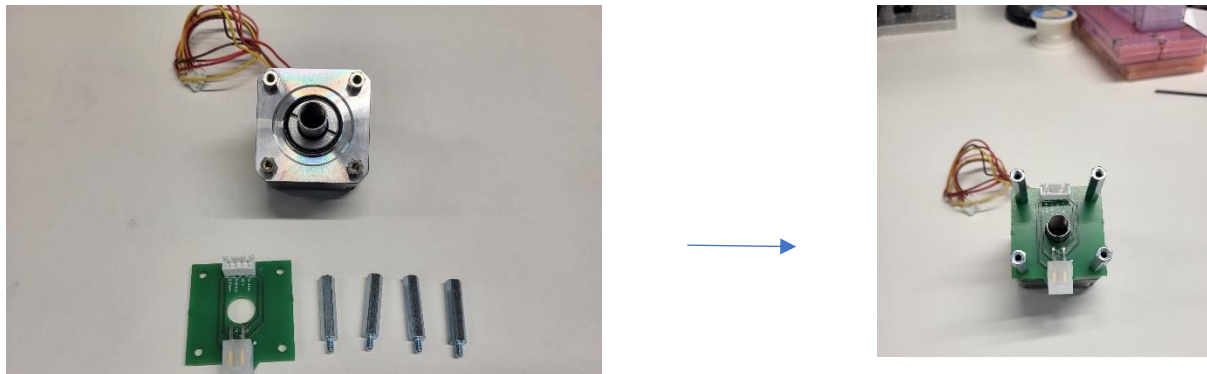
- (II) Collect all materials.



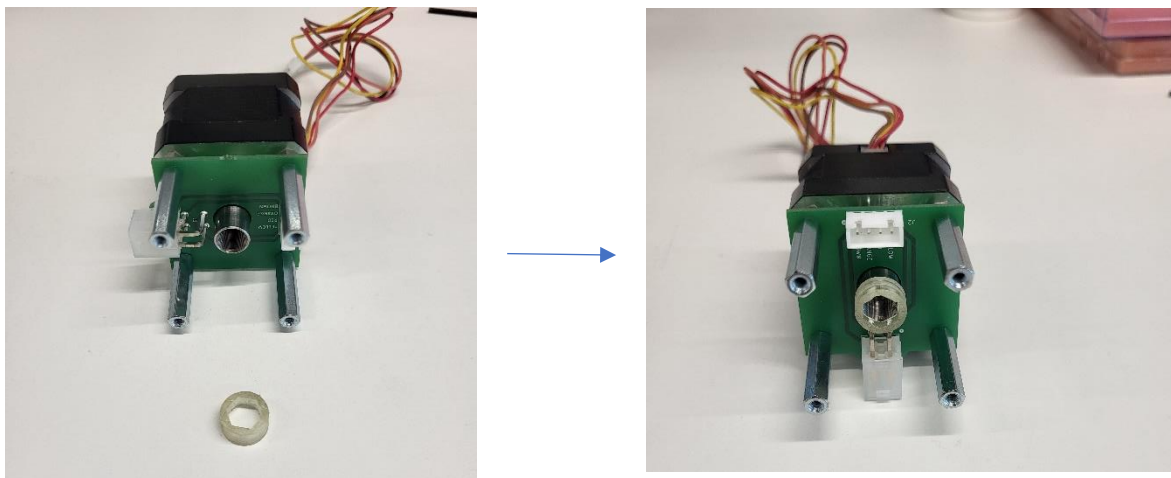
(III) Mount short standoffs on the shiny side of the motor



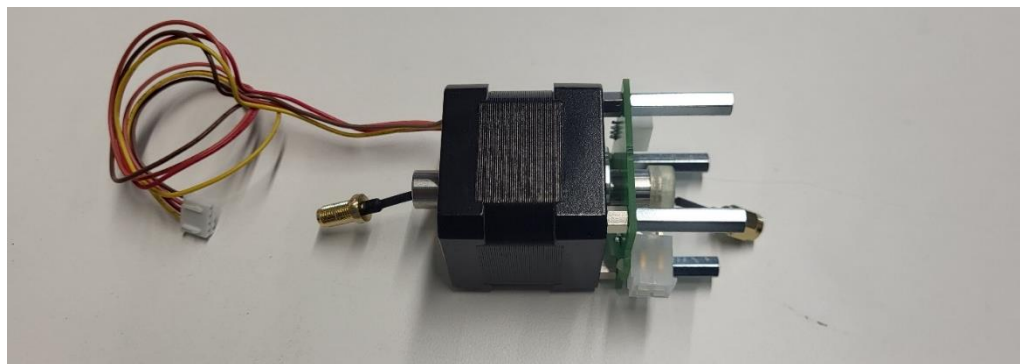
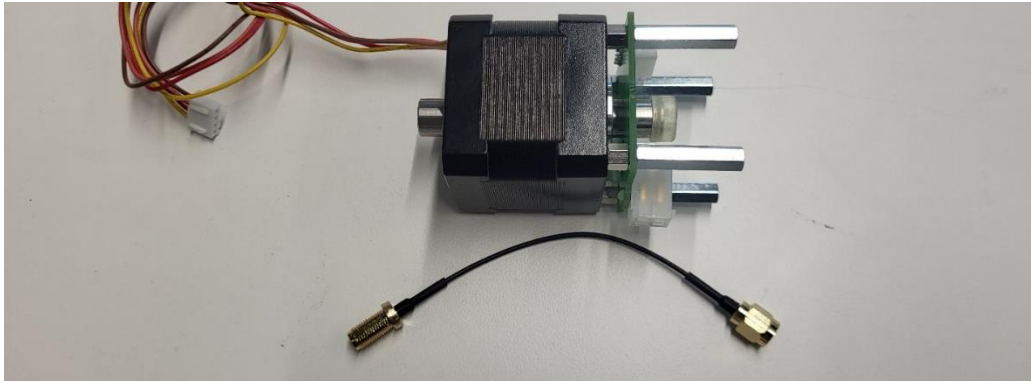
(IV) Mount the PCB onto them using the long standoffs



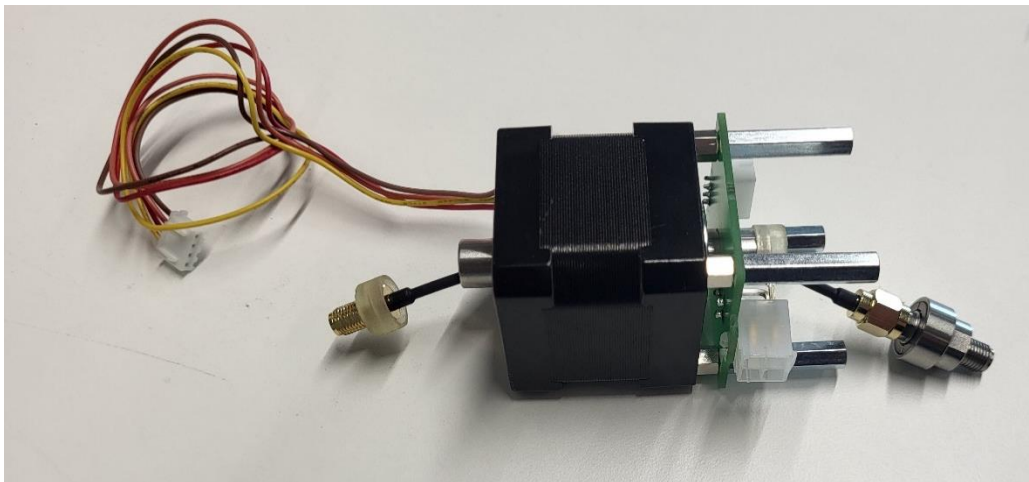
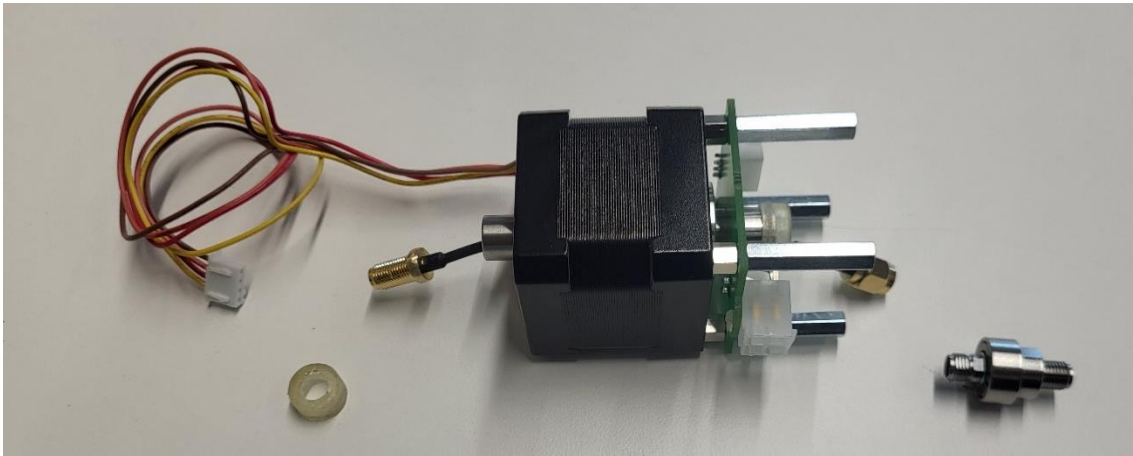
(V) Mount the 3d printed hex cap (with a bit of epoxy glue)



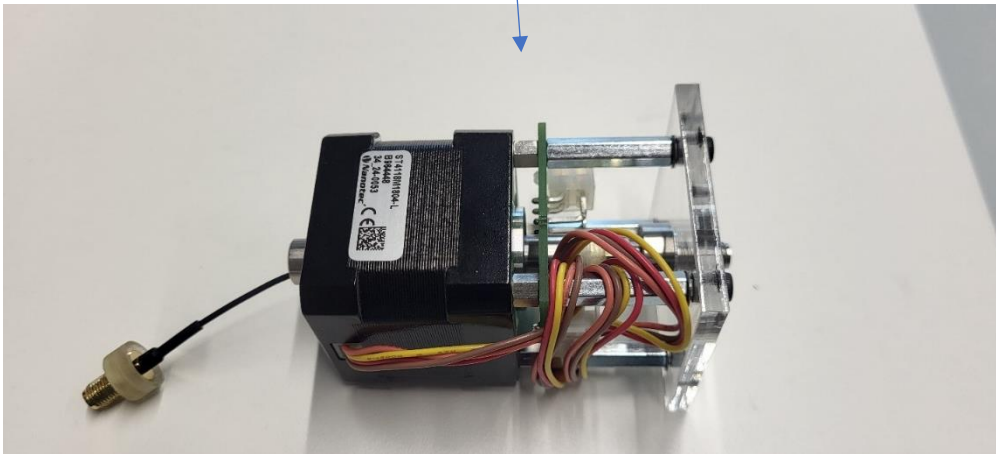
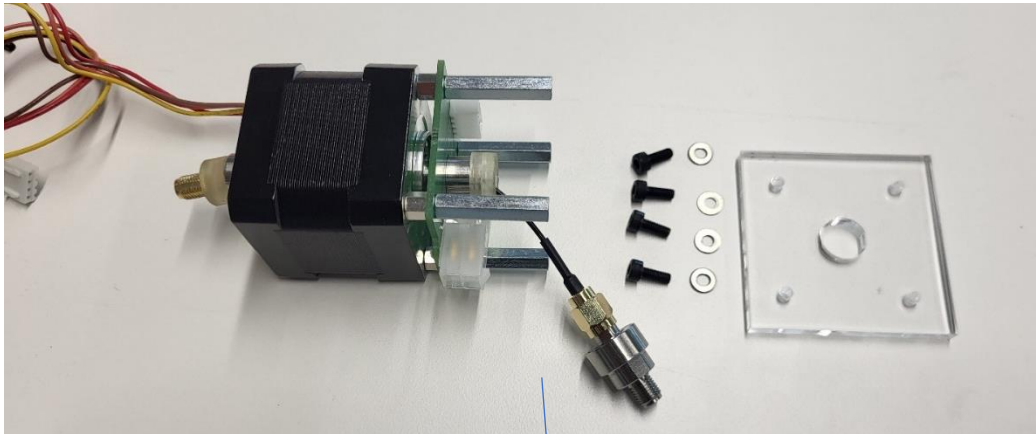
- (VI) Thread the SMA assembly through the hex cap and the hollow shaft, leading with the non-screw side



(VII) Connect the cable on the two sides with the circular cap and the slip ring.



(VIII) Fix the slip ring within the plastic plate on top of the standoffs.



(IX) Put a small amount of 2-component epoxy glue in the circ cap, slide it on the motor axis

