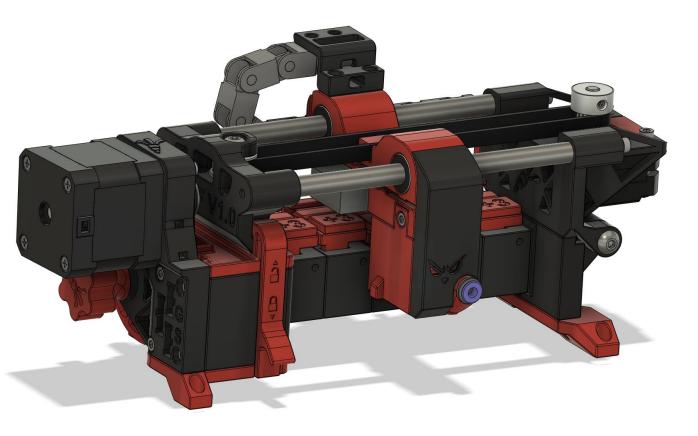
Enraged Rabbit Project Carrot Feeder assembly

Printing tips:

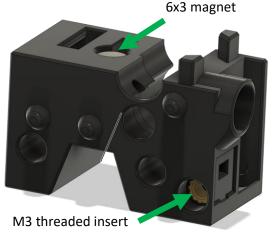
• Use the printing tips found on the EnragedRabbit Github (Carrot Feeder section)



Prepare the filament blocks



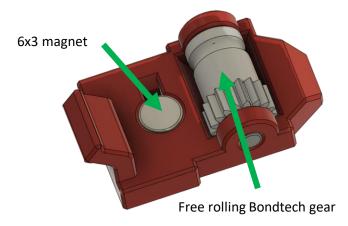
- Each channel of the Carrot Feeder is one filament block
- There two available versions for the block: with or without the M3 threaded insert. The threaded insert is though to insert properly, so if you're not comfortable doing it, use the version without it (you'll screw the M3x16 directly in the plastic)
- 1-a Insert the magnet and the M3 threaded insert
- Every 6x3 magnet insert on the Carrot Feeder has a small flat slot on the side: use it to easily remove the magnet if needed



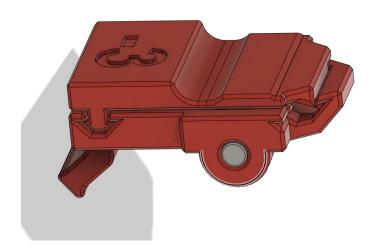


- Insert the latch, lock it with the M3x16 screw (don't screw too hard, be gentle) and insert the numbering plate (just click it in)
- Numbering plates can be easily removed with a small flat-head screwdriver, using the bottom slot of the plate

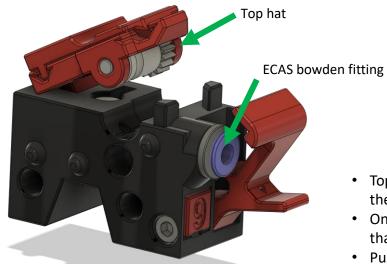
- Install the free rolling bondtech gear, take care of its orientation!
- Insert the 6x3 magnet: IT SHOULD REPEL THE ONE FROM THE FILAMENT BLOCK



1-d Slide in the top hat locker plate (use the « 0 » value to begin with). Make sure it's fully inserted

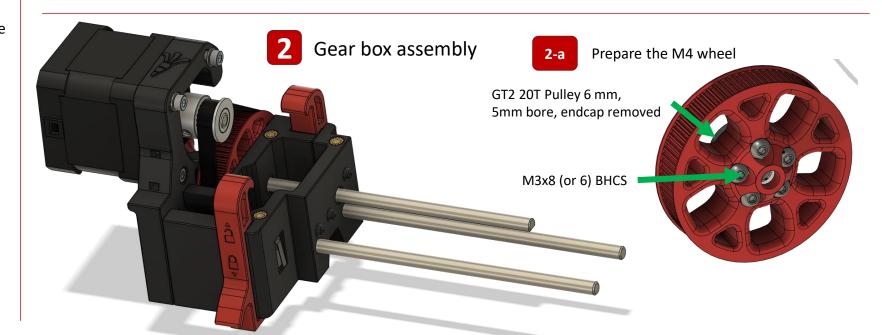


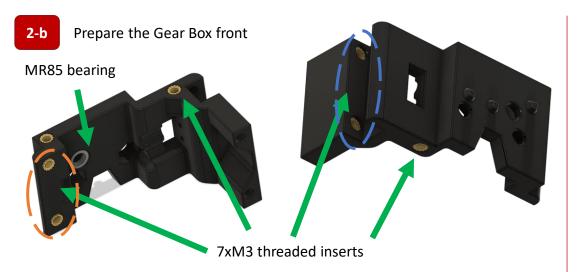
Press-fit the ECAS bowden fit and install the top hat block you just did



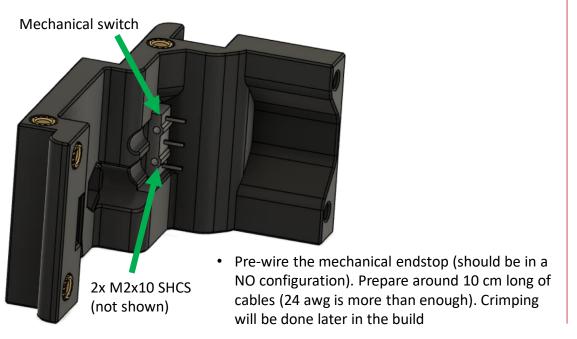


- Top hat should be inserted without forcing too much (play with the part orientation)
- Once inserted, rest position should be as seen on the left, thanks to the repelling magnets (with latch open)
- Push down the top hat and close the latch. You can now press on the top hat with a finger (it will go down) and release the finger (it will go up), like a spring mechanism



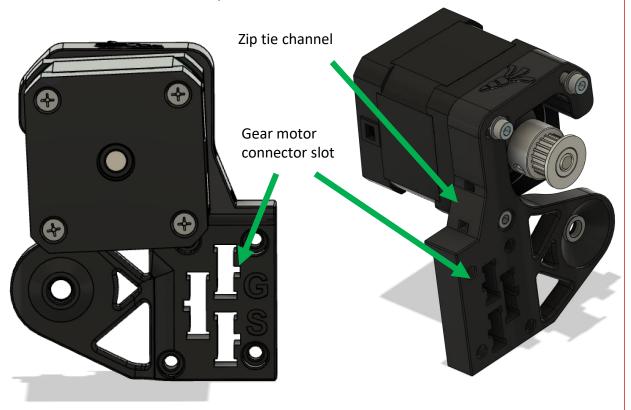


- Those M3 threaded inserts are difficult to insert (not much plastic behind), go slowly and do not put your soldering iron tip inside the insert if the tip sticks out of it
- Push those inserts using the soldering iron from the side, and take your time to make them well aligned with the holes





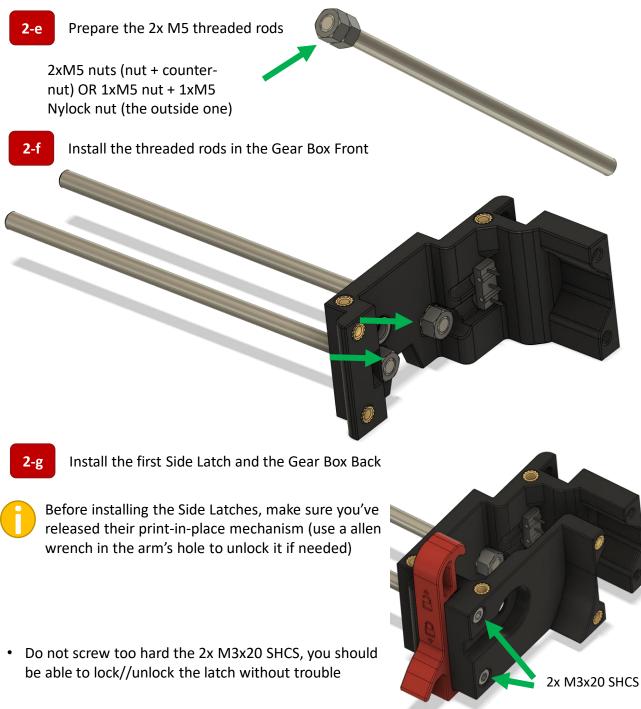
• You can already install the Gear motor (G label on the connector plate) cabling. Connect the 4 pins molex microfit connector in the dedicated slot (press fit). Use the zip-tie channel to secure the cable path

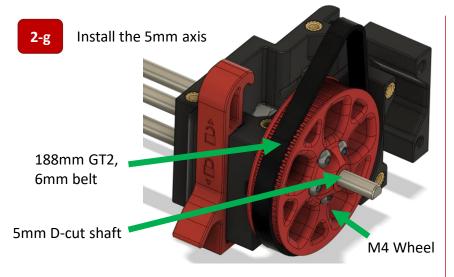


The microfit connector to install in the ERCF is the Female housing (with Male crimps). Just push them from the ERCF inside towards the exterior



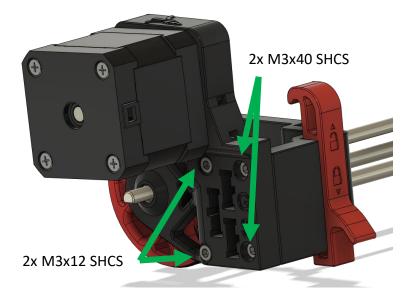
Molex Microfit connector to install in the ERCF part



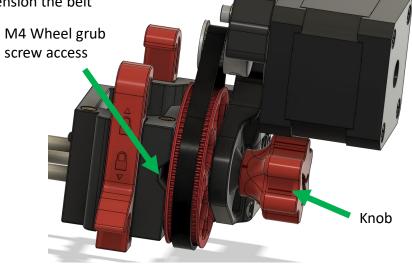


Don't forget to install the belt!

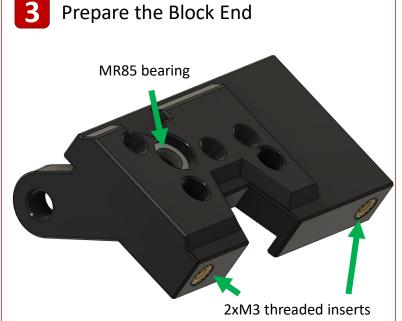
- No need to tighten the grub screws for the M4 wheel yet, we'll adjust the wheel//shaft position later
- 2-h Install the 2nd Side Latch and the M4 Gear Arm

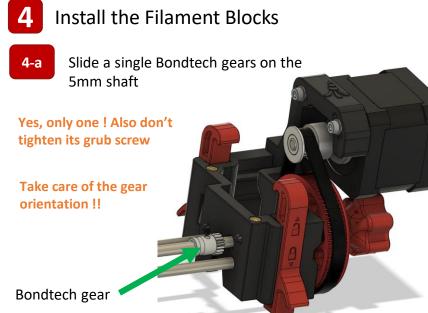


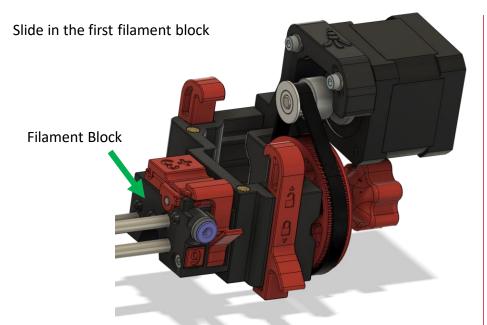
- Install the knob, tighten the M4 grub screw and tension the belt
- Press fit to the max the Knob on the 5mm shaft
- Put the Knob + Shaft assembly at around 1mm of the M4 Gear Arm part
- Tighten the M4 Wheel grub screws using the side access
- Tighten the belt by rotatin the motor around it's M3x12 SHCS screw
- Test the motion using the Knob, it should be smooth



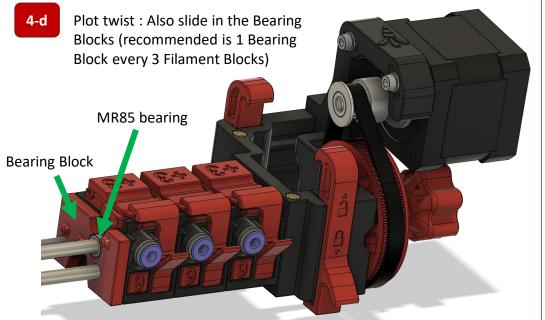
Take a break, eat some gummy bears (not provided) or whatever, if you want!







4-c Repeat steps 4-a and 4-b for all your Filament Blocks



When all blocks are inserted, install the Block End • Use your fingers to push the threaded rods, in the gear box, into their proper position • Tighten the M5 nuts on the M5 threaded rods · While the whole assembly should be relatively stiff, it will flex//bend, this is expected • Check that the 5mm D-cut shaft is well inserted into the bearing of the Block End • Don't check the 5mm axis motion yet, as no Bondtech gears are tighten yet M5 washer + Nut (not shown yet)

To be continued...