

B's Original processor assembly guide

Tool and necessary hardware



- Phillips screwdriver (medium to small size end)
- Pair of pliers
- 4mm Allen wrench



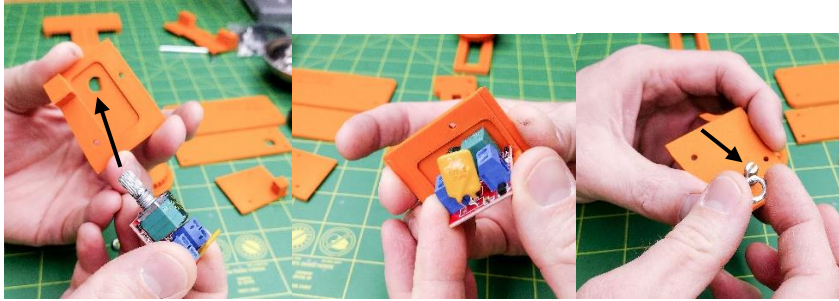
- 40rpm motor
- Motor driver
- Female Dc plug
- O-rings: OD52x5mm OD30x3.1 OD15.2x3.1
- Some lubrication



- 3x M3 x 10mm screw
- 2x M3 nut
- 1x M3 washer
- 16x M2.9 x 12mm tapping screws (#4x1/2")
- 1x M5x 16mm bolt and nut
- 2x M5 x 35mm socket screws
- 3x M5x 20mm socket screws

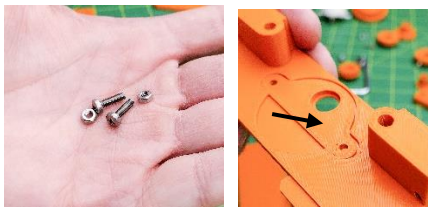
Full hardware pack is available at
www.bounetphoto.com

1-PWM controller



Insert the motor controller into the right-side panel and screw its nut.

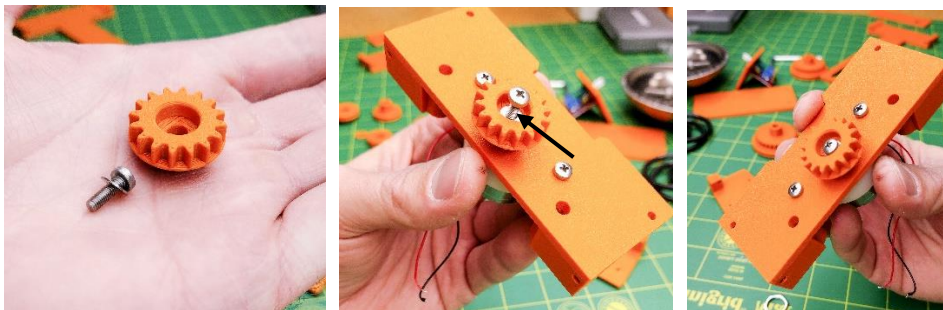
2-Motor bracket



M3 screws and nuts. The motor shim is necessary depending on the motor model



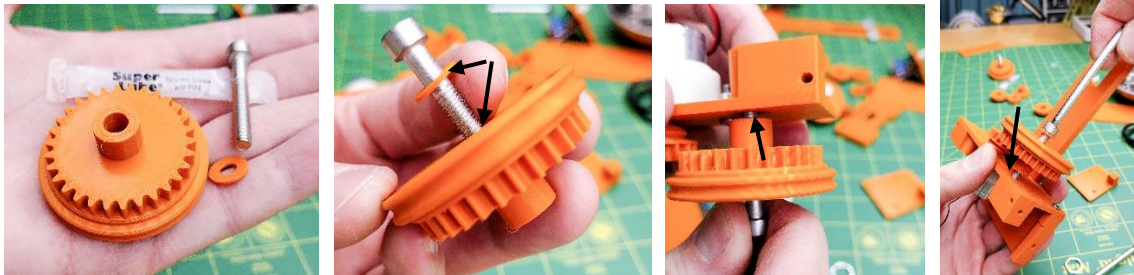
Insert the motor and M3 screws, hold the nut with one finger and tighten them.



Slide the motor pinion on the motor shaft, it's a tight fit. Make sure you orientate the flats properly and support the motor's back when pressing it on. Add the M3 and washer and tighten them while holding the pinion.



With two self tapping screws, attach the motor bracket to the base plate



Take the two tank gears, M5x35, plastic washer and your lubricant.

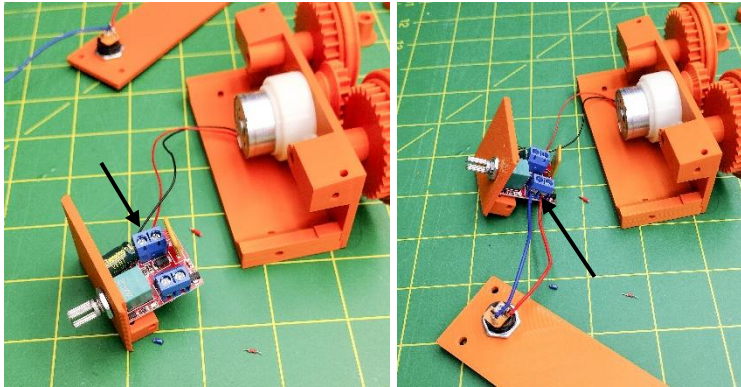
Add some lubrication to the unthreaded part of the screw and one by one, in the right part order, start the screw in the motor bracket by hand. When it starts to be too hard use you 4mm allen wrench to finish tightening. The gears needs to be free with minimal shake, back out the screw if it's tight.

3-Plug



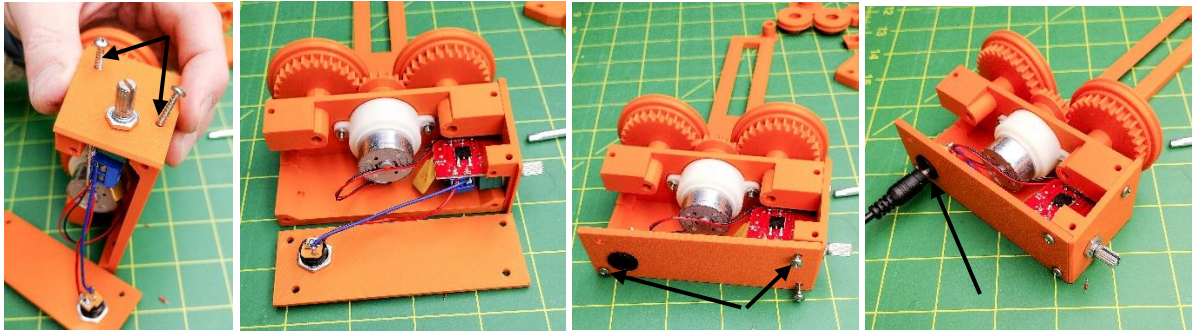
Slide the DC plug into the plug panel, you want the wires to go in the direction of the opposite side like in the picture. Slide its nut onto the wire, start tightening with your fingers and finish it with the pliers.

4- Wiring and closing



Wire the motor to the motor controller, and then the plug to the motor controller.

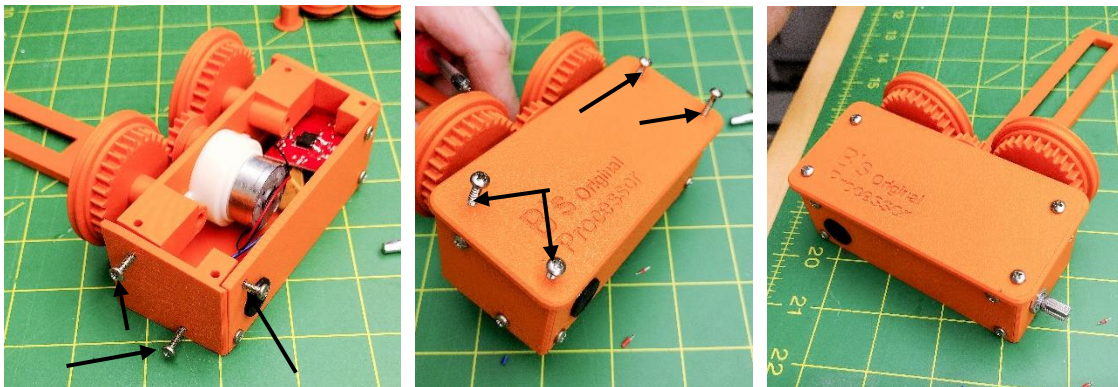
Proper wiring is written under the motor controller board.



Attach the right side and then the plug panel to the rest of the assembly.

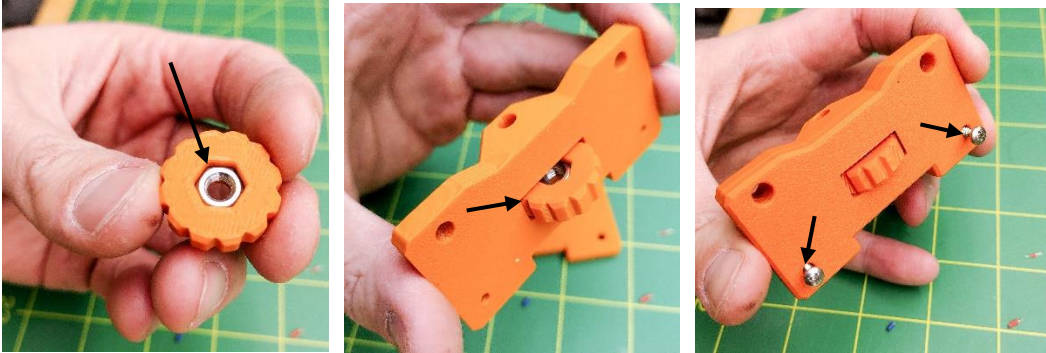
It is now the perfect time to test if the wiring is correct. Plug it and turn the controller on.

Turn the knob back and forth to make sure the speed varies with it. If nothing happens, check the connections on the controller you might have tighten the wire on its insulation. These are tiny so it can happen.



When all is good, time to close it up. Left panel first and then the top of the box.

4- adjustable extension



Insert the M5 nut into the thumb wheel.

Slide the wheel with the nut up into the back plate, add the front plate and secure them together with two self tapping screws.



Add some grease to the bearing tube, then slide the tube in the wheel and the screw (M5x20) inside the tube. Now screw it to the extension plate until it's tight. Try to screw it in as straight as possible. You are screwing into plastic so do not over tighten. Check that the wheel is free to spin. Do it for both wheels.



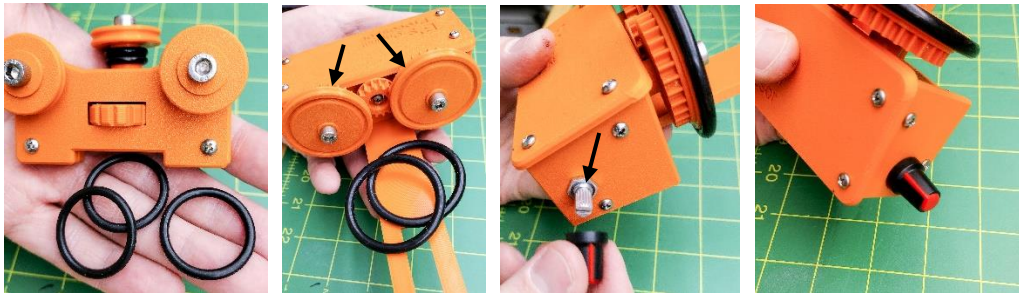
Add the two smallest o-rings to the stop wheel's double groove.



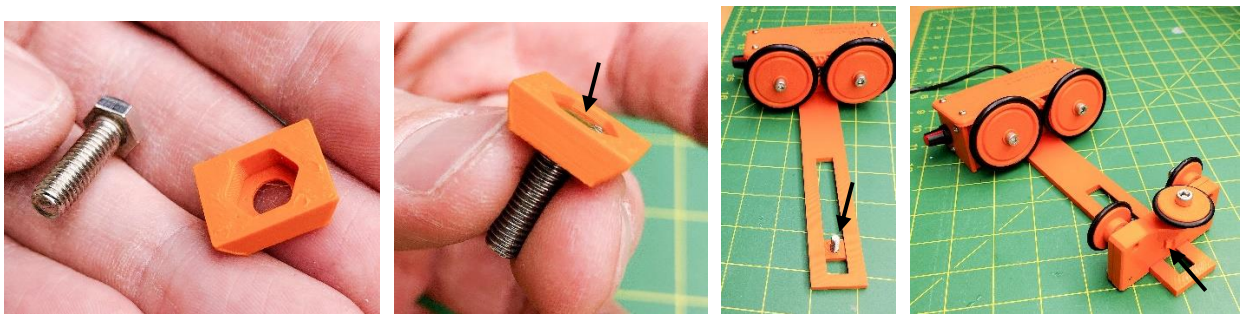
Add some grease on the M5x20 screw and insert it in the stop wheel.

Screw it on top of the extension going as straight as possible. Tighten until it locks and then back out a little bit so the wheel spins freely.

5-Finishing touches



Add all the O-ring gaskets to the wheels.



Place the bolt and its holder under the base plate in the slot, slide the extension on and turn the thumb wheel to lock the extension in place.

Unlock it anytime you need to adjust the position for a shorter or a longer tank.

You are now ready to develop!! Happy film processing to you!

One last thing:

The “Penguin piece” is to link the Paterson column to the tank itself, slide it into the bottom of the column, test it’s position with the tank and it’s ready...