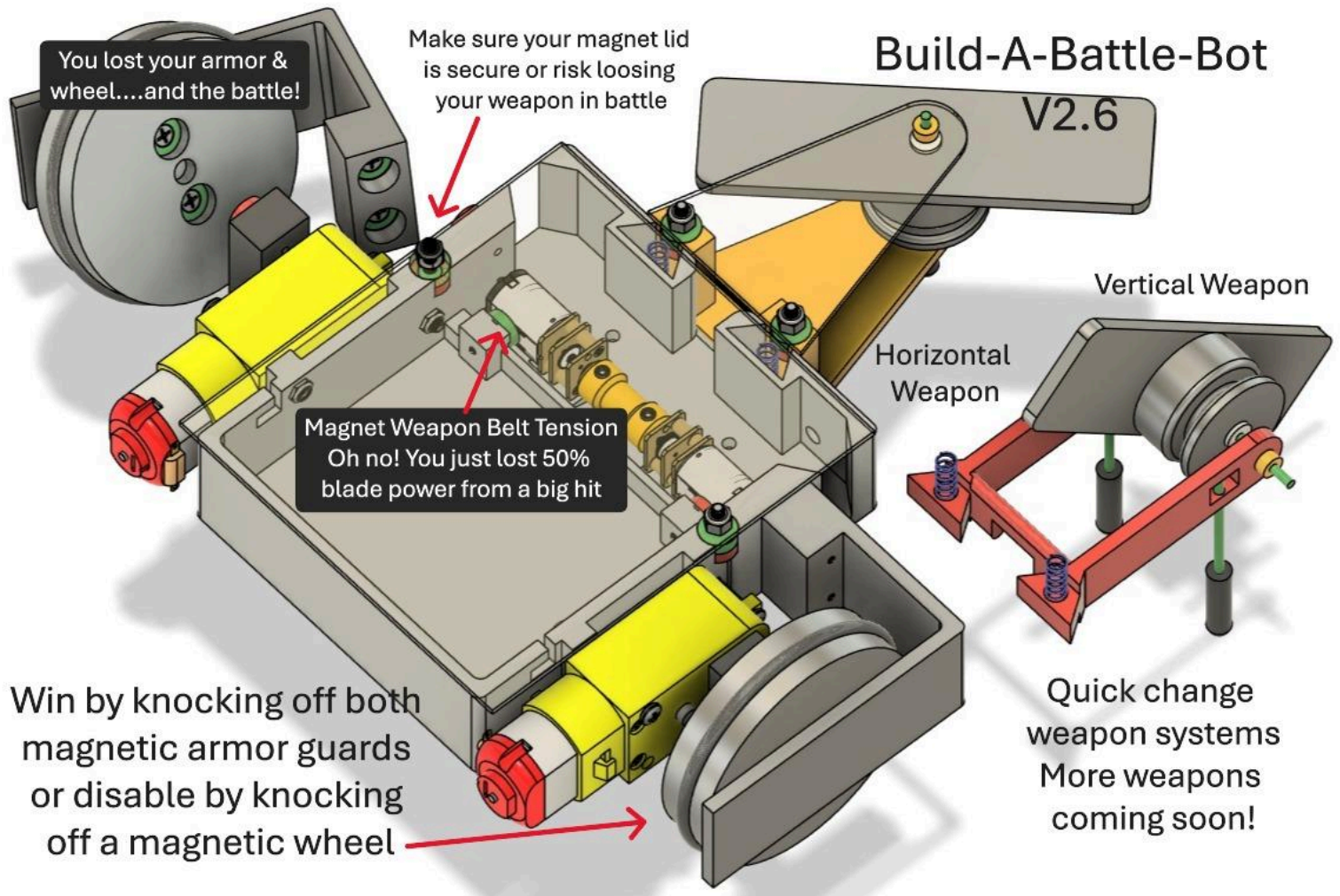


Battle Robot Kit

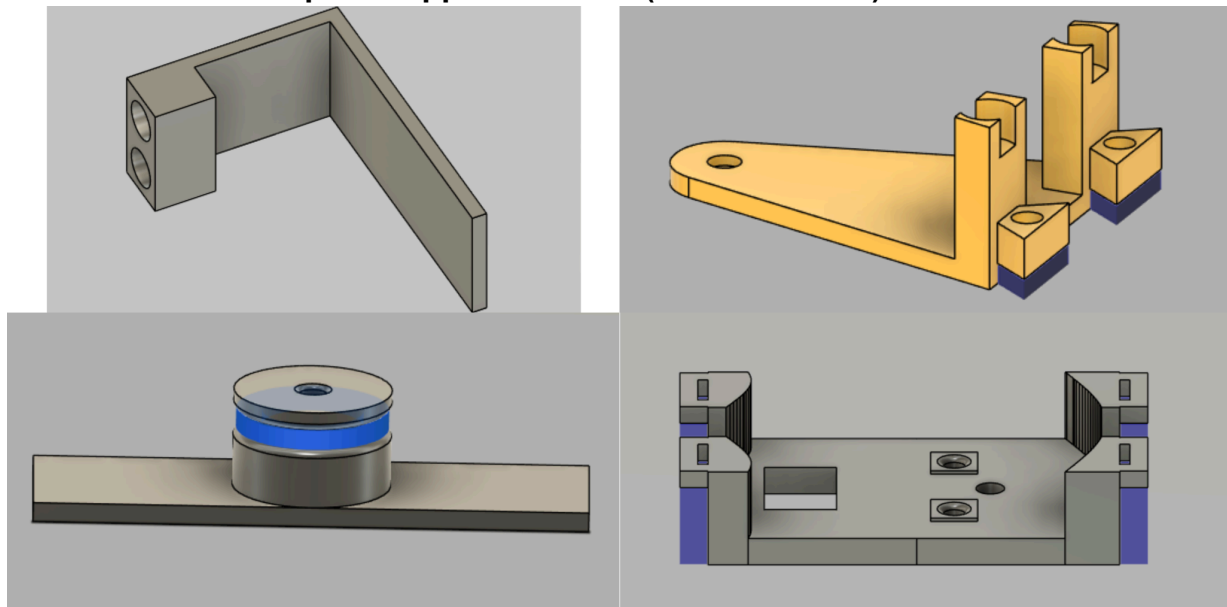
Build-A-Battle-Bot V2.6

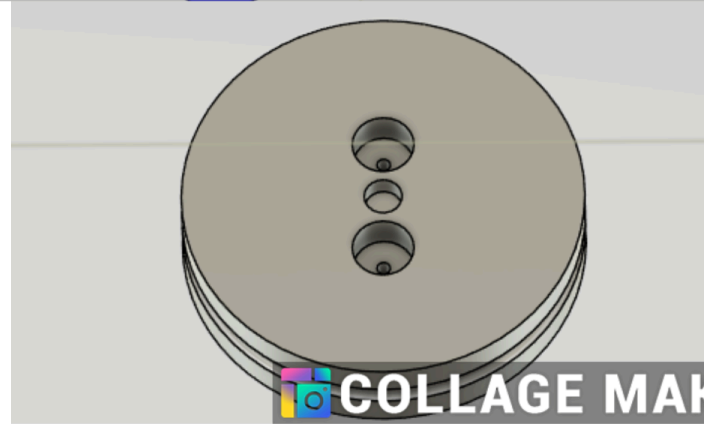
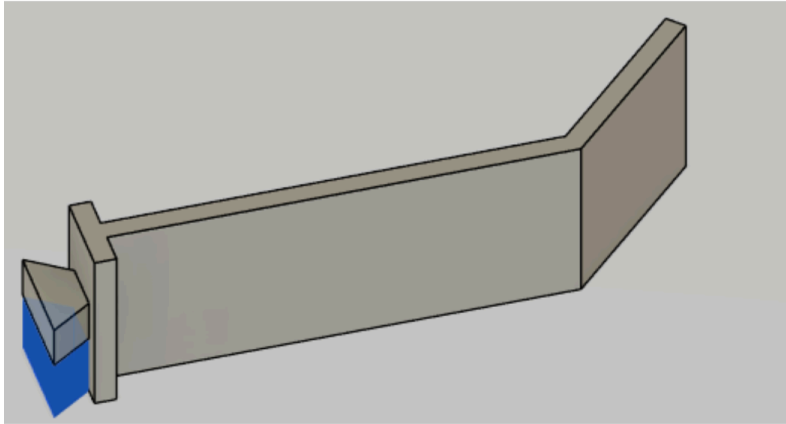
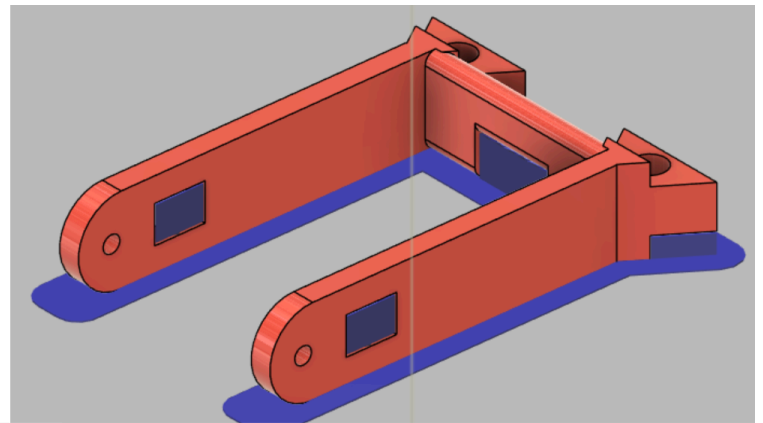
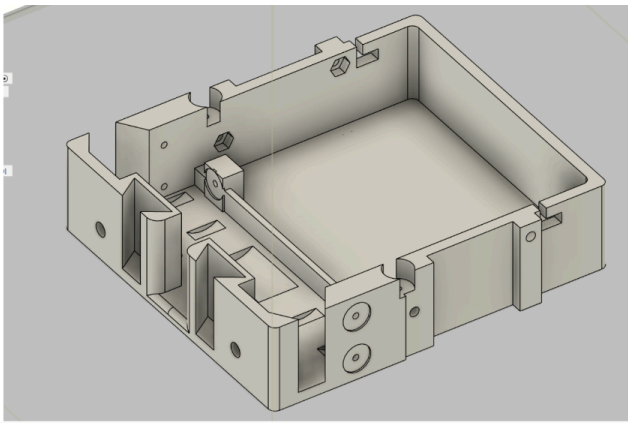


Charge your batteries now so they are ready by the end of the build!!!

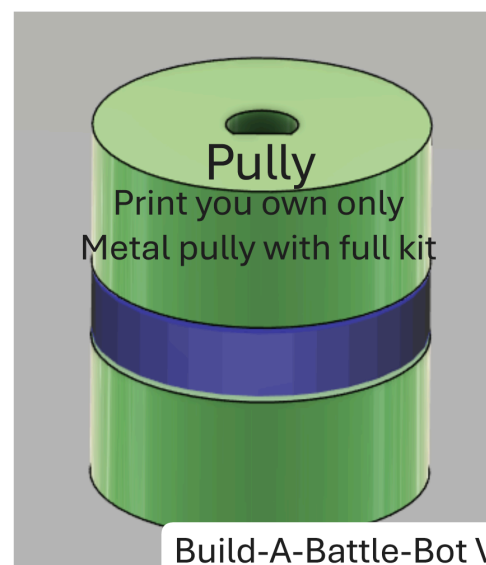
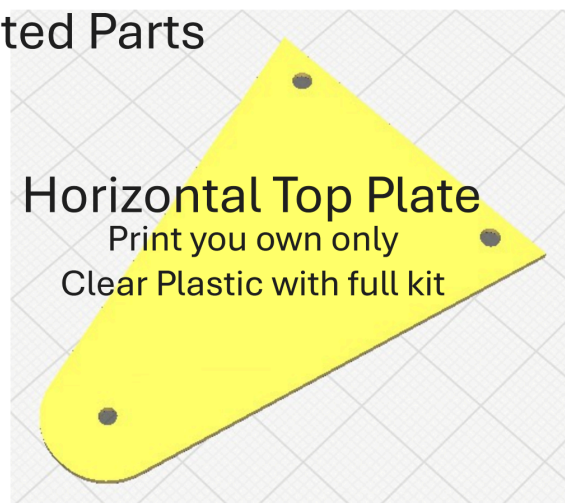
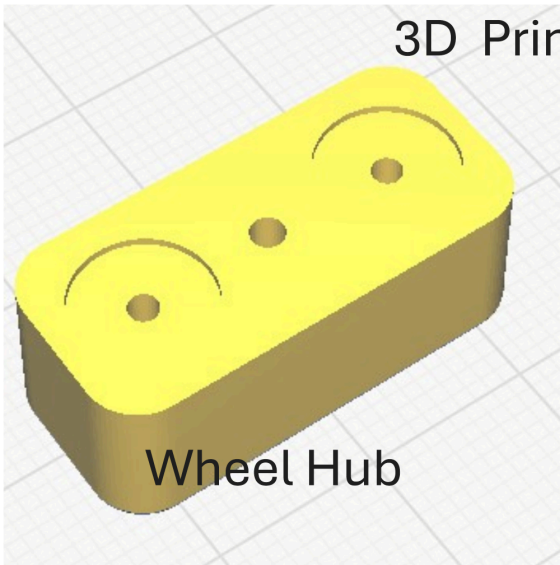
Step 1: See pictures below. Prep 3D Printed Parts

Needed: Tool to remove 3D print support material (Shown in blue). Screwdriver included works also





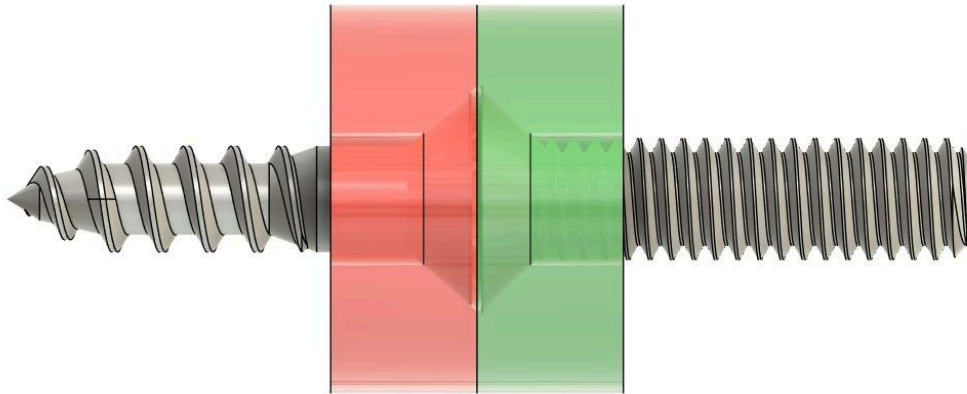
3D Printed Parts



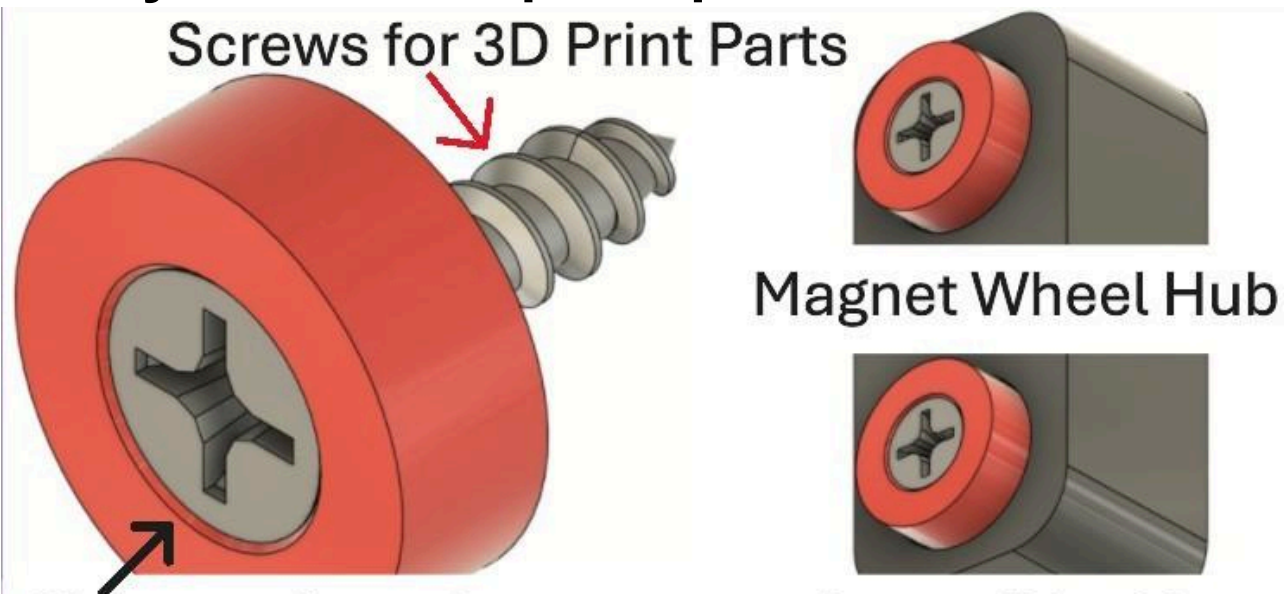
Step 2: Separate all magnets from all the bags into N & S. Pick one N or S and attach magnets to chassis, horizontal weapon & wheel hubs. See Pictures below.

Be careful with the magnets as if you let them snap together, they will crack!!!

(2 extra magnets included with weapon system)



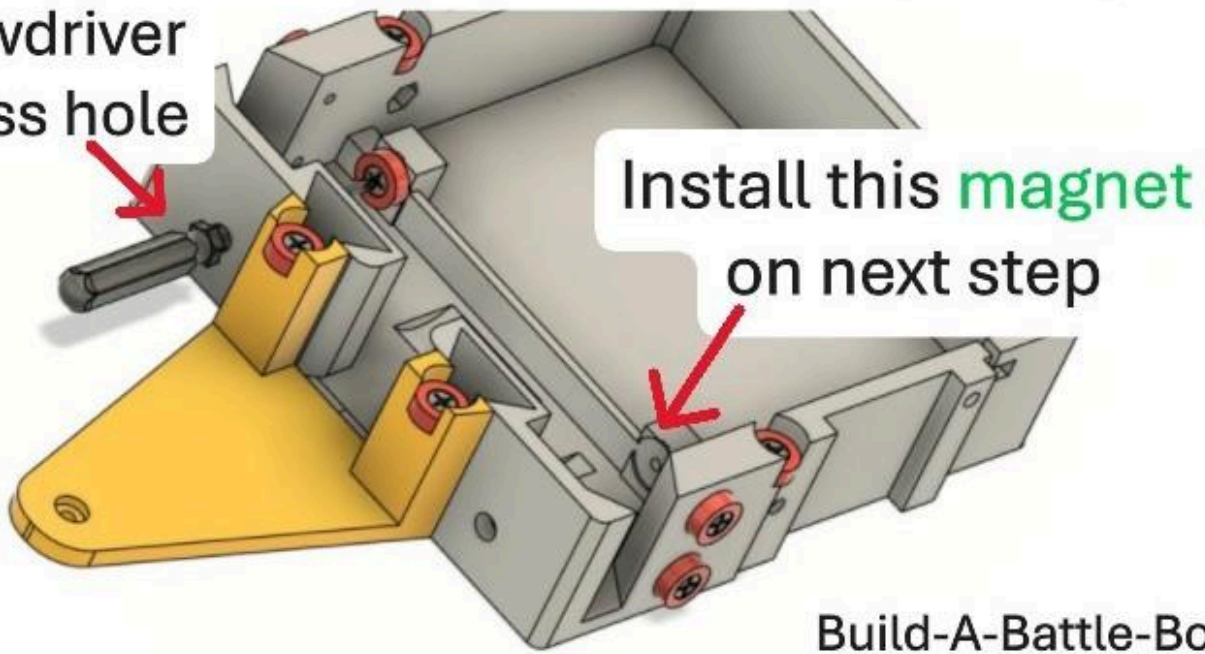
North & South magnets. Magnets polarity you choose for step 2 & 3 not important but they must be opposite polarity for each steps so parts attach to each other



Choose a bag of magnets and use all in this step

File tip of screwdriver for better torque. Dont over tighten. Snug fit desired

Screwdriver
access hole

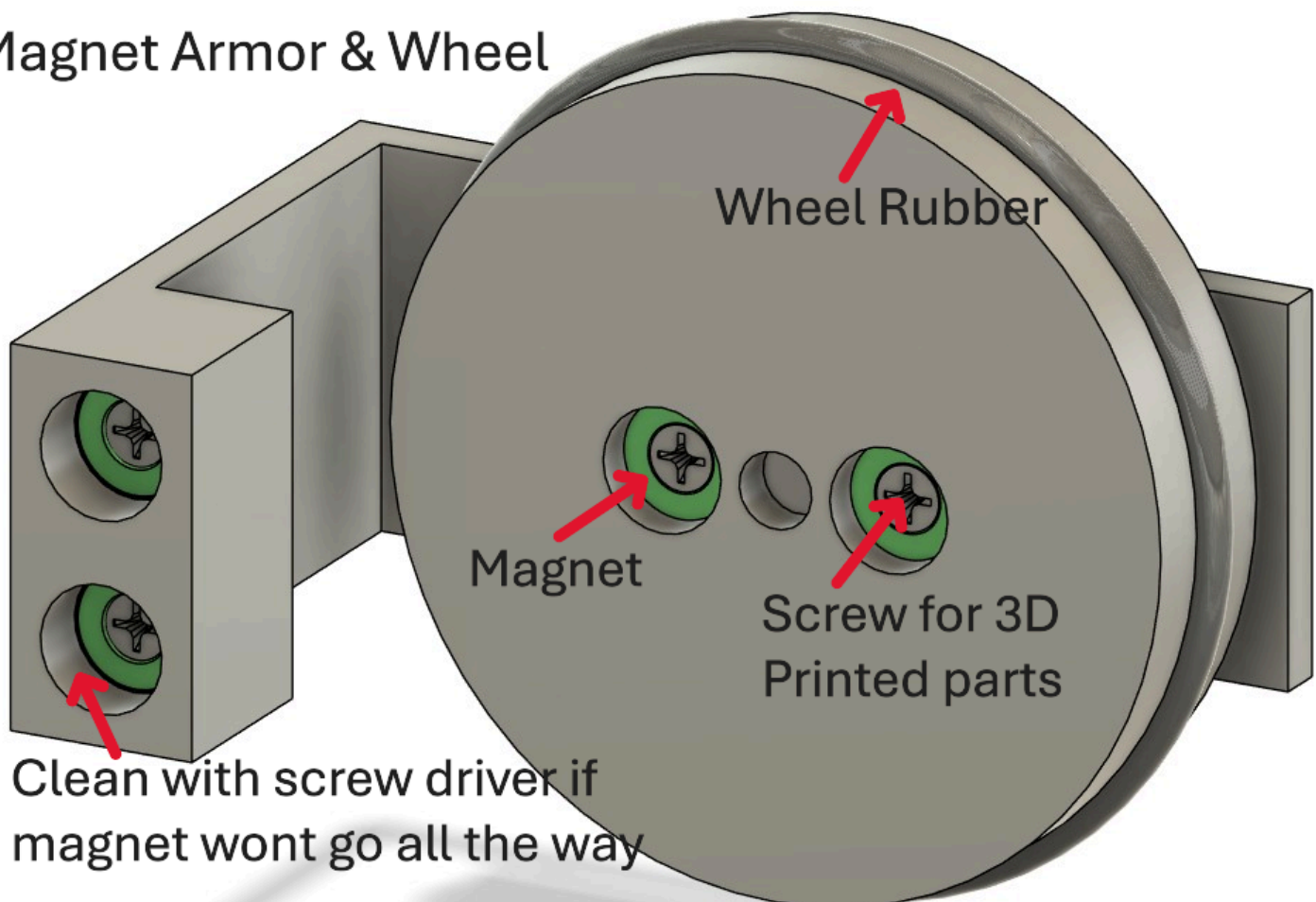


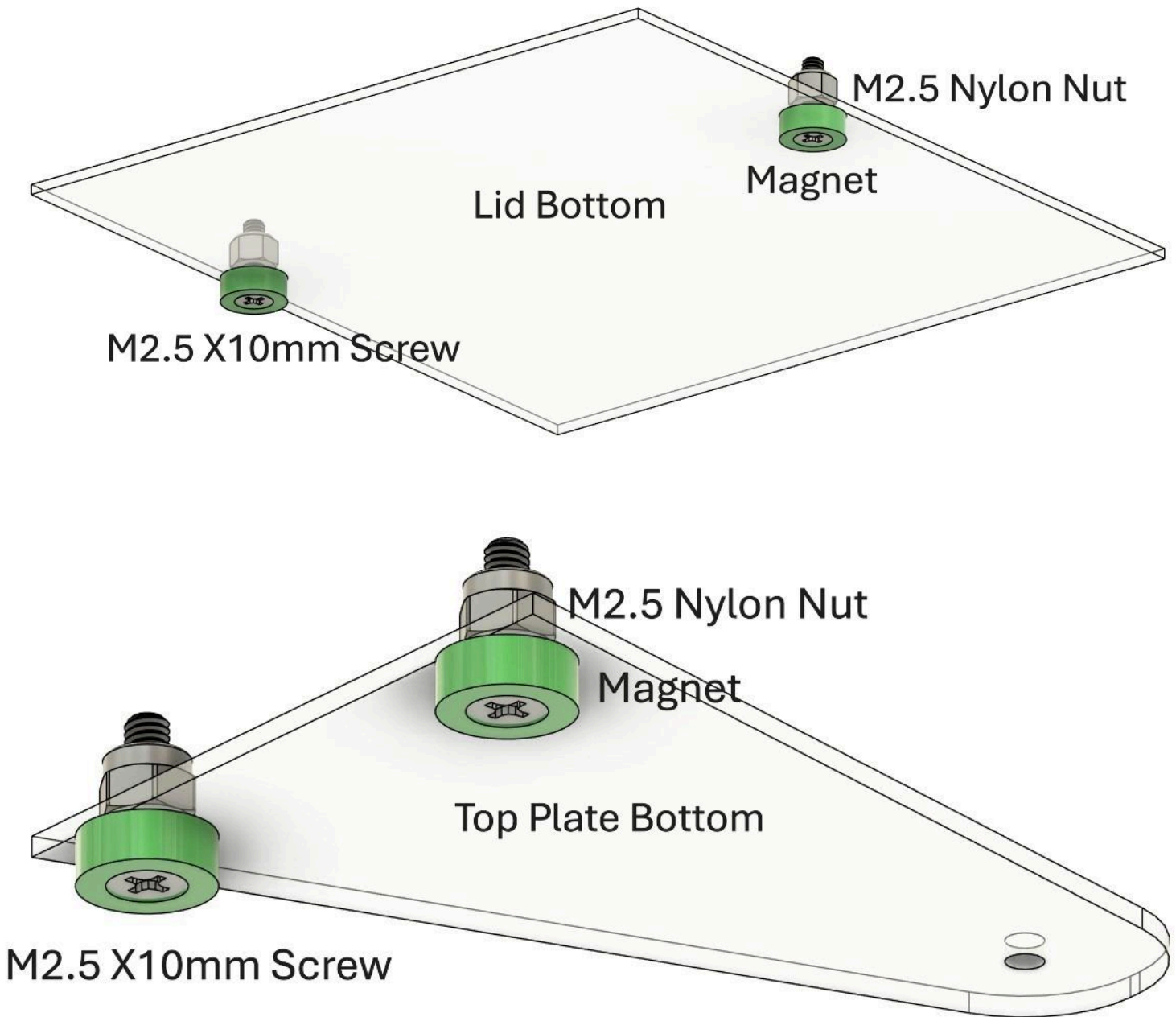
Build-A-Battle-Bot V2.6

Step 3: Attach opposite polarity **magnets to lid, top plate, wheels, armor & 1 to chassis. See pictures below**

Tools needed: Pliers, wrench or socket to hold 2.5mm nylon hex nut to install magnet to lid & top plate.

Magnet Armor & Wheel





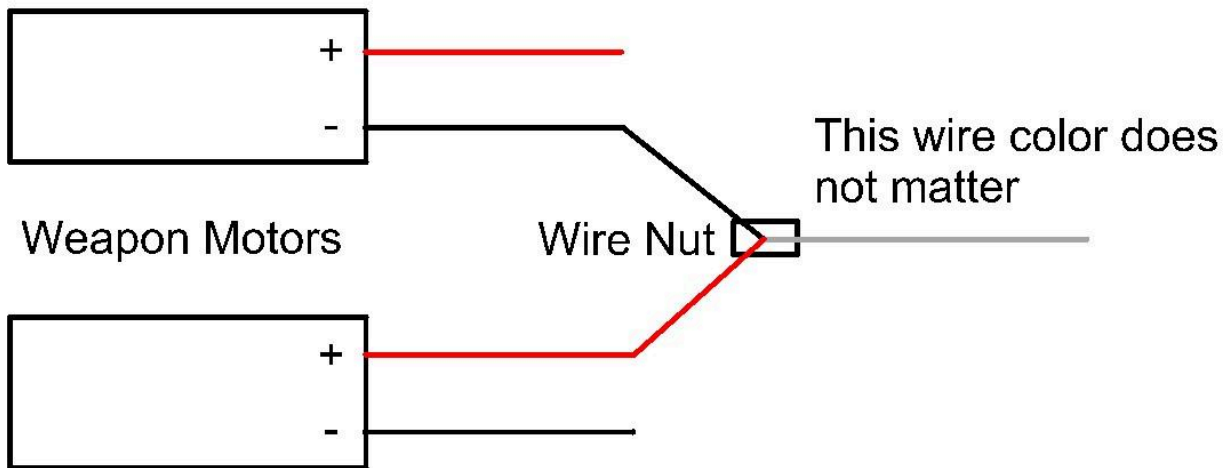
Step 4: Solder Wires to Weapon Motors & Test

Provided: Wire twist to secure wires together, zip ties, wire nuts, wire and motors.

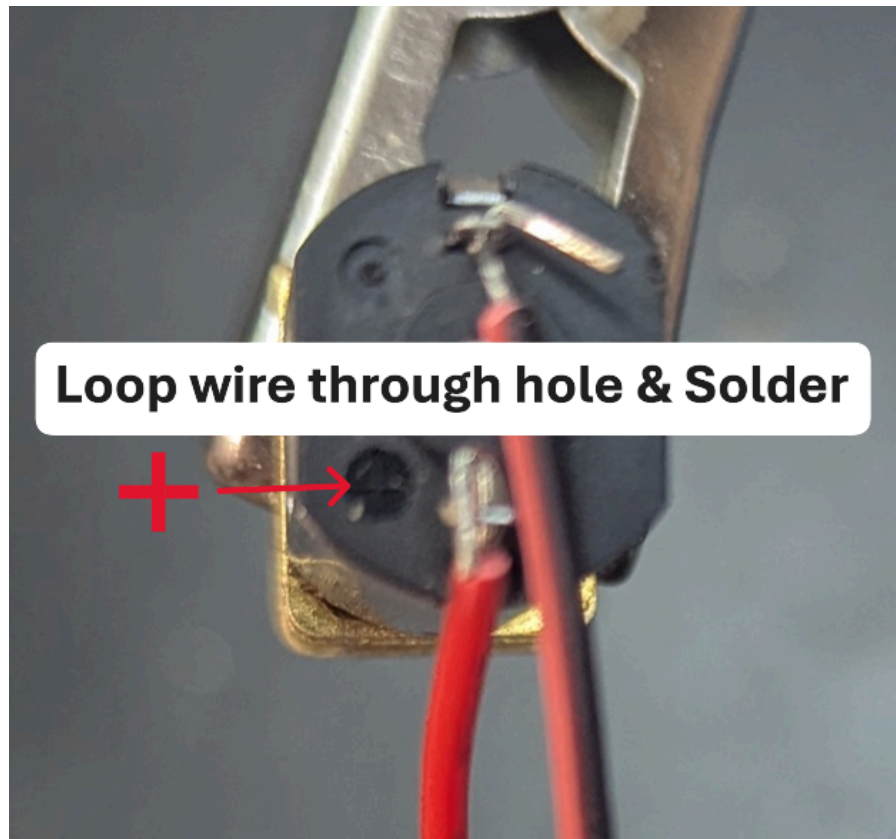
Not Provided: Soldering gun, solder wire and something to strip the wire.

1. **Solder** full wire to weapon motors paying attention to (**Red + & Black --**) labeled on the motors. This is to make sure that the motors spin in the same direction. I like to strip the wires at least a ¼ inch

Solder wire to motors as shown.



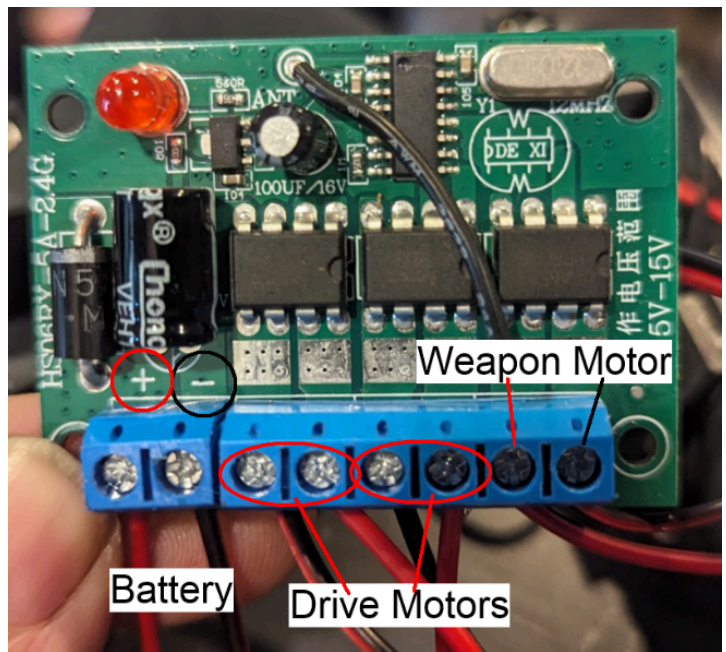
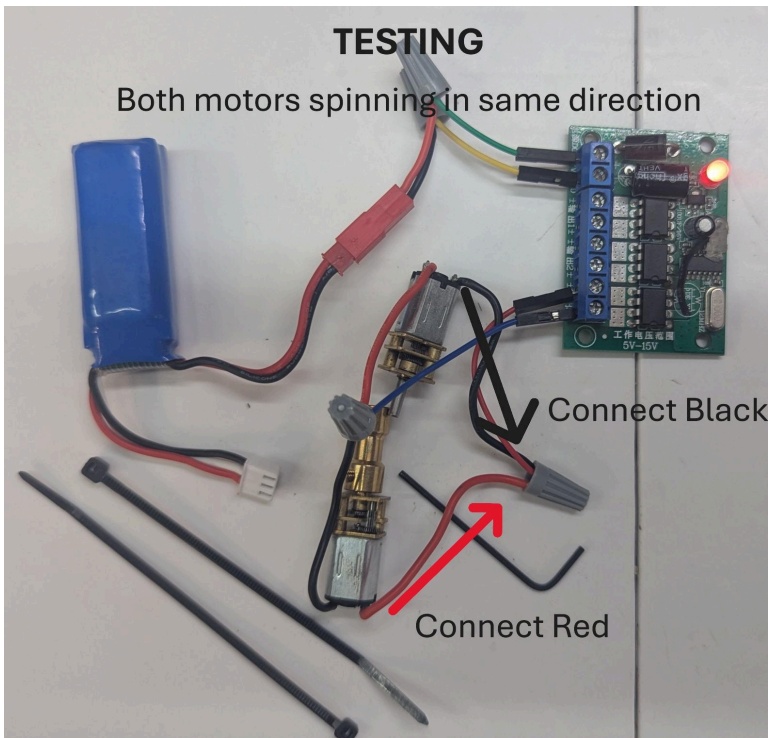
Wire the 2nd motor the same as shown with the 2 remaining wires



2. Use the wire with pins & wire nuts to create the wire harness as shown in the picture below. Install the short zip ties after testing.
3. Connect the weapon motors and battery as shown . Now turn on your remote to test to make sure all the weapon motors are running in the correct rotation when either of the weapon buttons is pressed. If the motors spin in the opposite direction, then undo the wire nuts and try crossing the wires in a different configuration. But if you followed all the steps correctly then both motors should be spinning in the same rotation. After you have both motors rotating in the same direction. Use the short zip ties to bind it all together and cut off the excess. The wire nuts are just for covering the connection and the zip ties will hold it all together.

TESTING

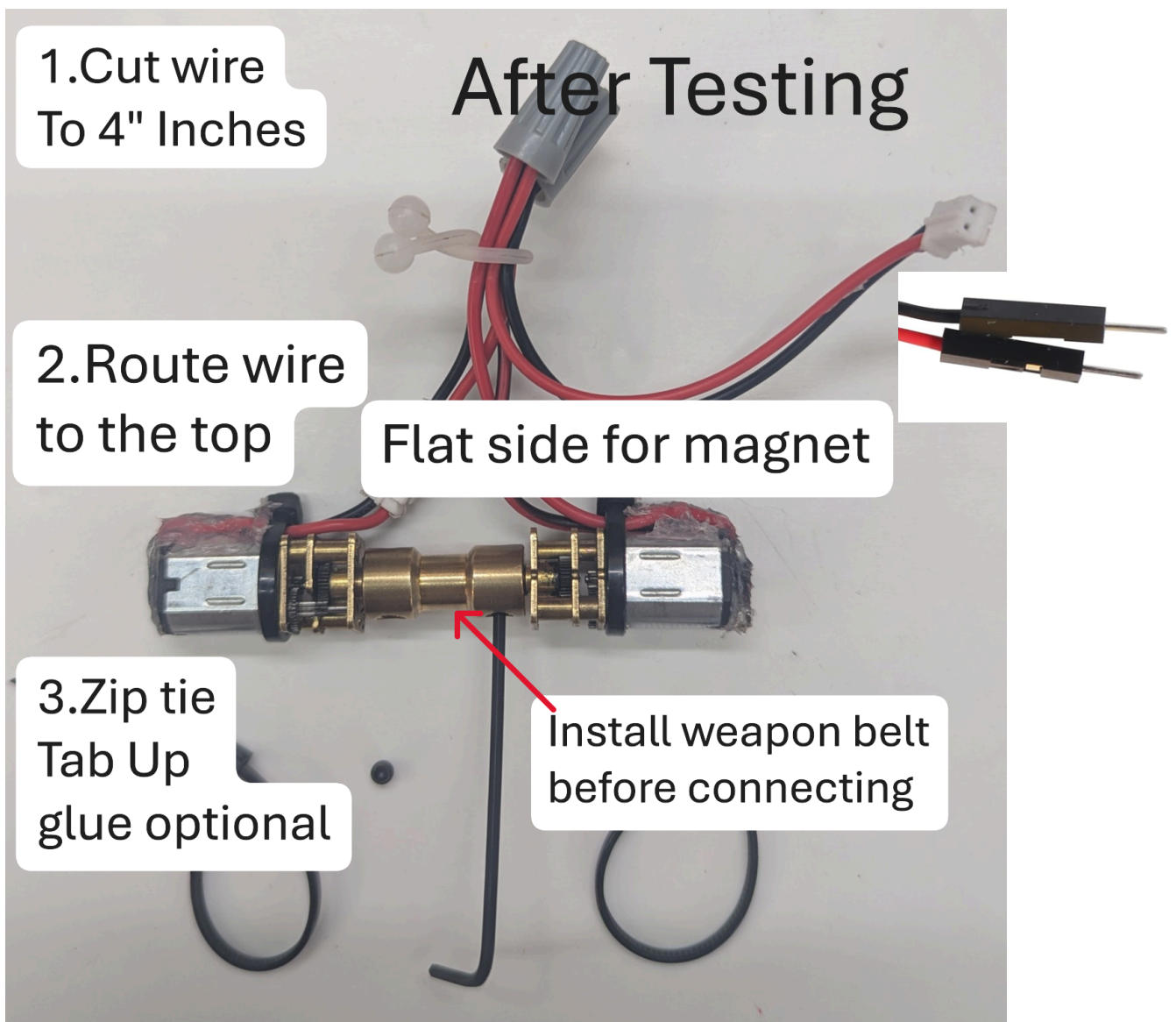
Both motors spinning in same direction



Step 5: Assemble & mount weapon motors.

Provided: weapon belt, pulley, allen wrench & chassis.

1. Connect one side of the pulley to one of the weapon motor shafts. Before connecting the other motor to the pulley as shown below slide the weapon belt into position. Now connect the other side of the pulley and secure it with a grub screw and allen wrench. Zip tie wires to the motor bracket to prevent wires from breaking the solder. See pictures below

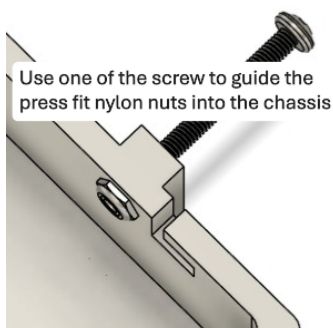
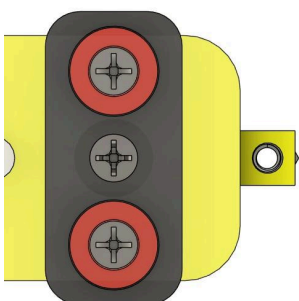


2. Now with the motors spinning in the same direction and the weapon belt around the belt pulley you can just attach the system to the magnets on the chassis

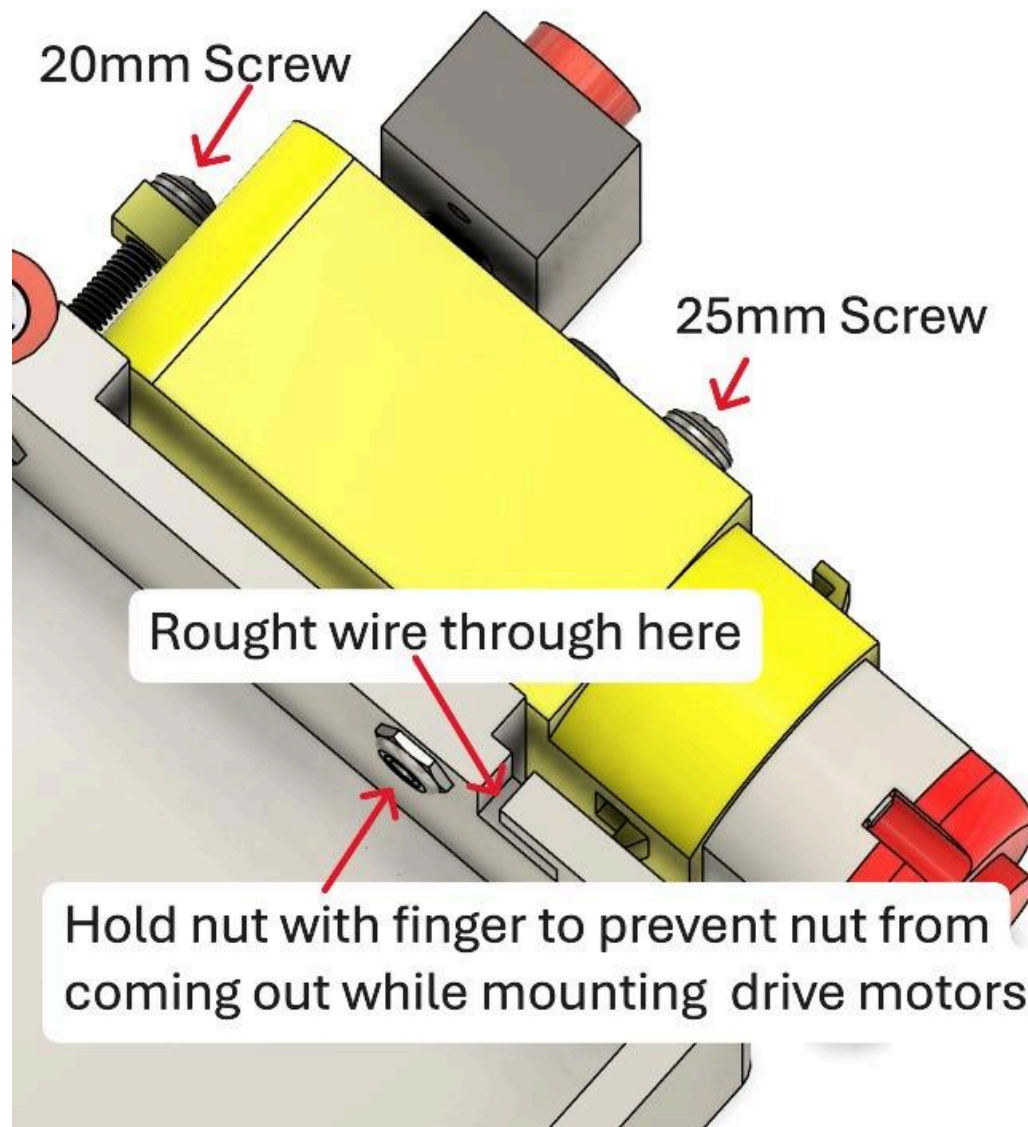
Step 5: Mount Drive Motors & Test

Provided: Chassis, drive motors, screw driver and drive motor mounting screws.

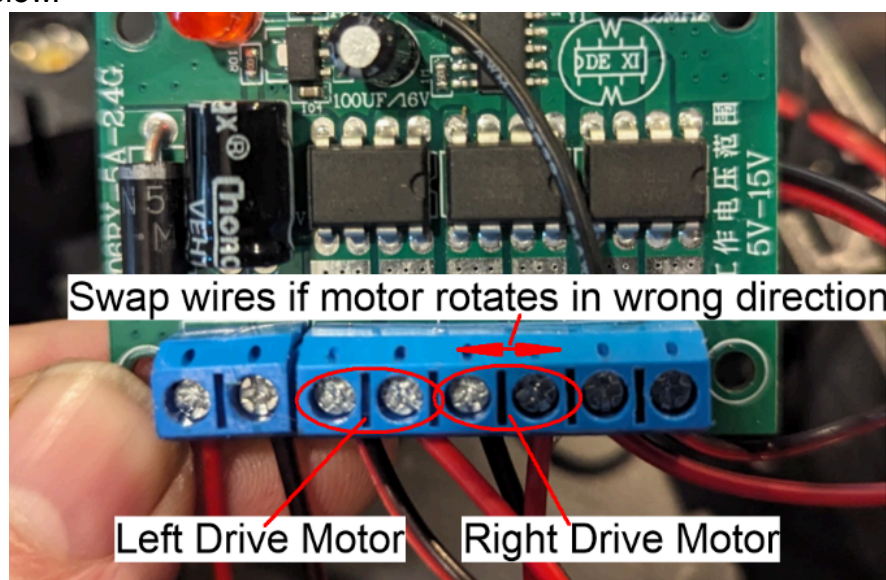
1. Press the wheel hub onto the drive motors. Placing the hub on a hard surface and pressing the motor shaft into the hub works best. Clean hub with screwdriver if it won't press on with a little force. Then use one of the plastic screws to secure the hub to the motor



2. Press the nuts x 4 into the chassis. Use one of the screws to guide the nuts into the chassis. See picture above

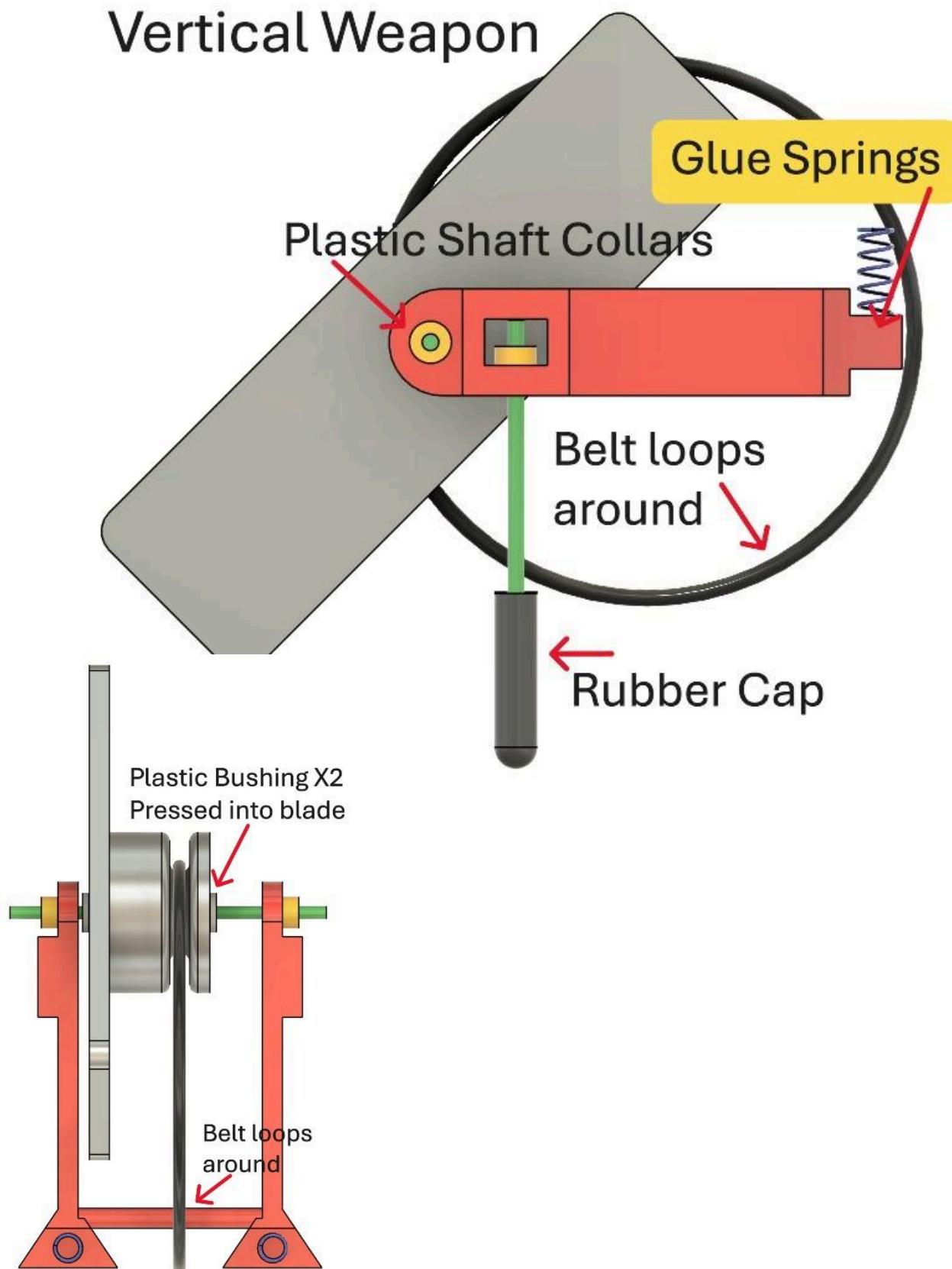


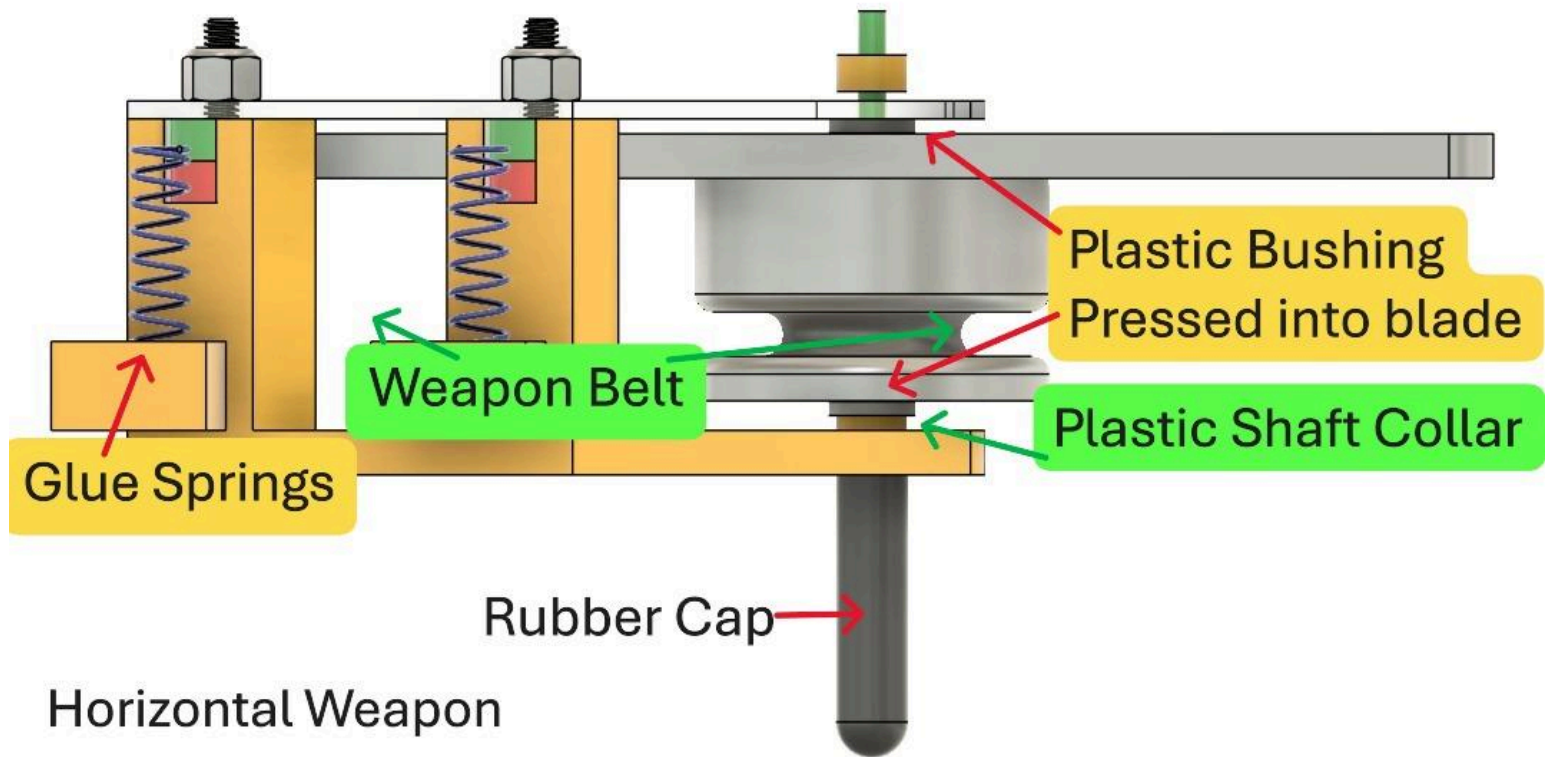
3. Now it's time to wire the motors to the receiver and test. Install wires as shown and if one of the motors doesn't spin forward when pressing on the forwards stick just swap the red and black wire. See pictures below.



Step 6: Mount weapon blade

Provided: Weapon blade, weapon attachment, belt, springs, crazy glue, shafts, bushings, screw driver, shaft collars & rubber caps.





Step 8: Remote adapter V2.6

Provided: Remote adapter, Remote, velcro straps x 4. **Not Provided:** AA Batteries X2 for remote

1. Slip the 4 velcro straps into the 4 slots on the remote adapter and loop around sliding the end of the velcro strap through the slot on the end of the strap.
2. Now set the remote adapter onto the remote and use the velcro straps to secure it to the remote. The screw can be turned to turn the weapon blade on without having to hold the button while you battle.





Now it's time to FIGHT!

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Patent Pending