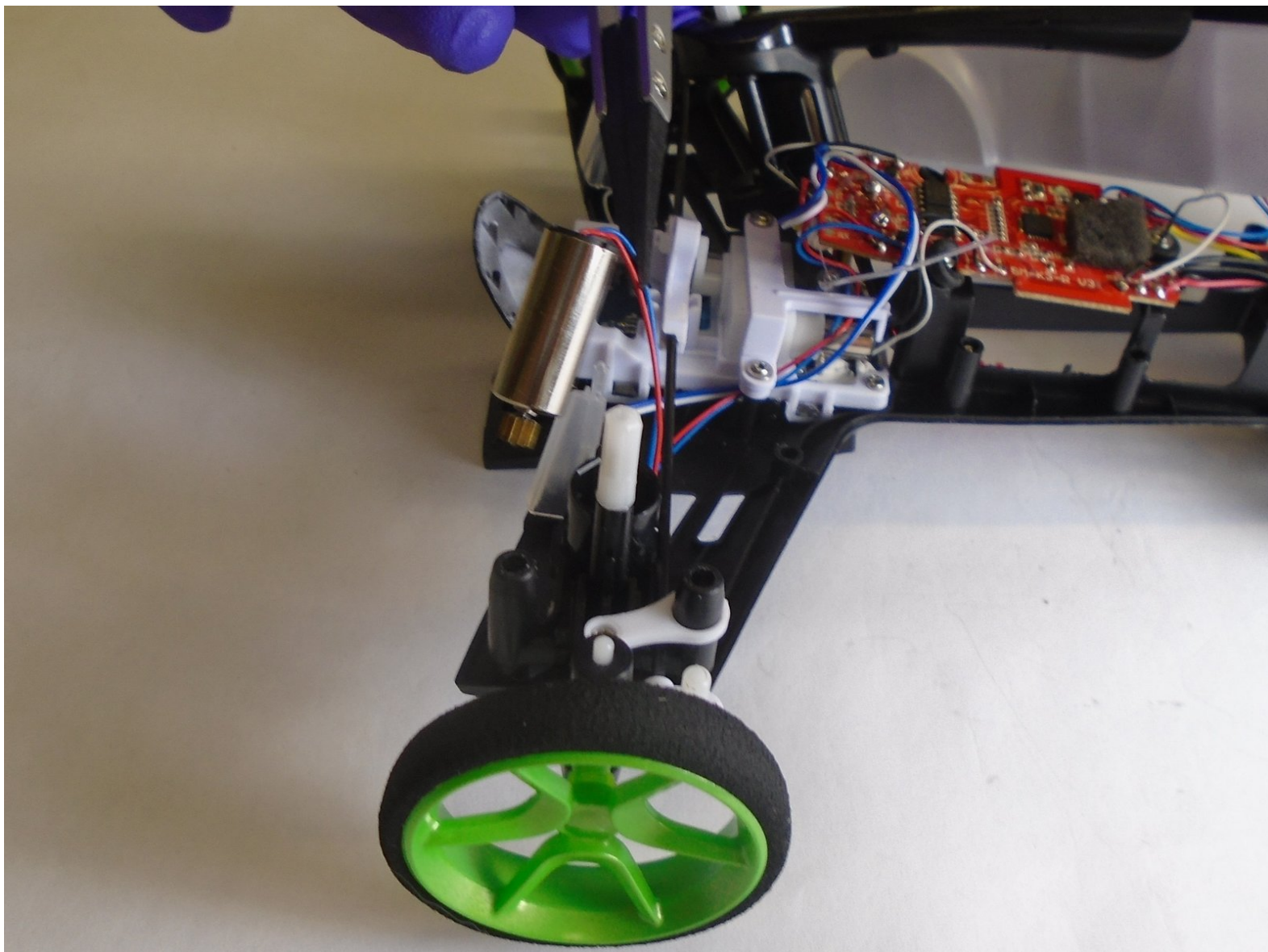




Protocol TerraCopter EVO Drone Motor Replacement

Use this guide to replace the Protocol TerraCopter EVO's left and right front drone motors.

Written By: Derek Vande





TOOLS:

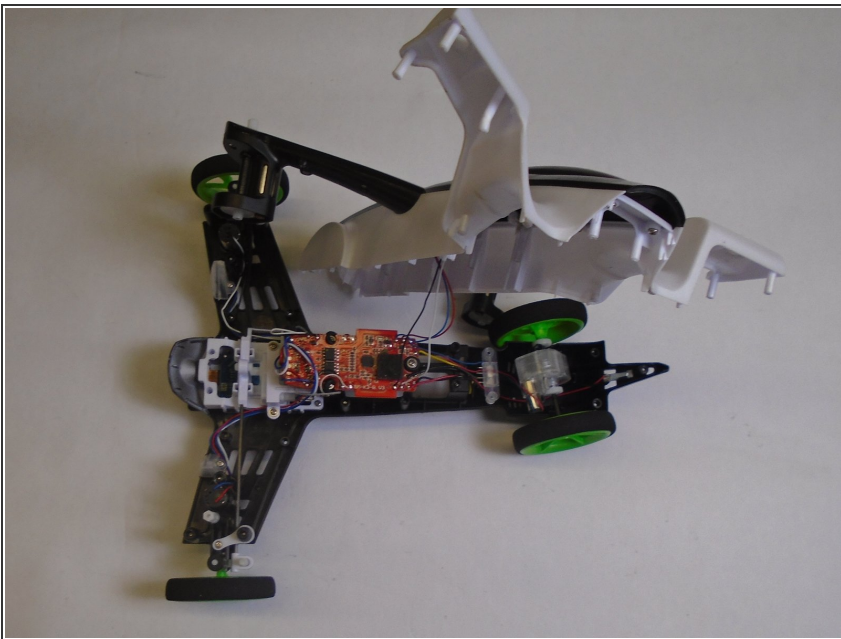
- [Soldering Iron](#) (1)
 - [Phillips #0 Screwdriver](#) (1)
-

Step 1 — Drone Motor



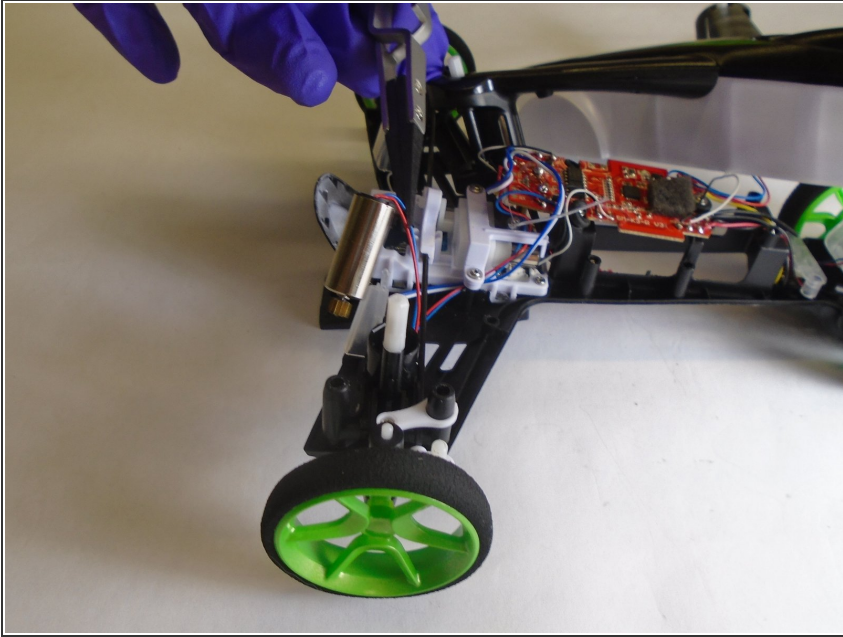
- Orientate the drone to where the black side of the drone face upwards.
- On the bottom side of the drone, remove the twenty-two 5mm Phillips #1 screws holding the black frame to the body.
- There is one screw under the rear light. Pry the opaque cover to access the last screw.

Step 2



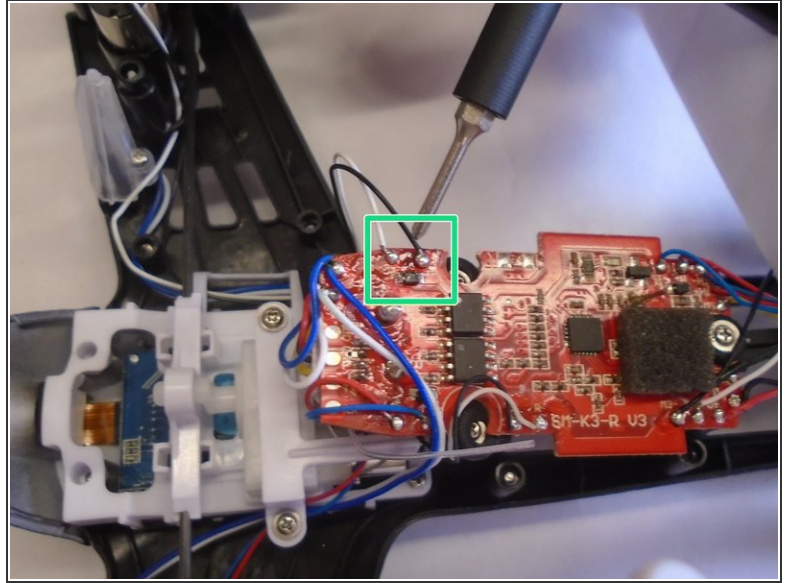
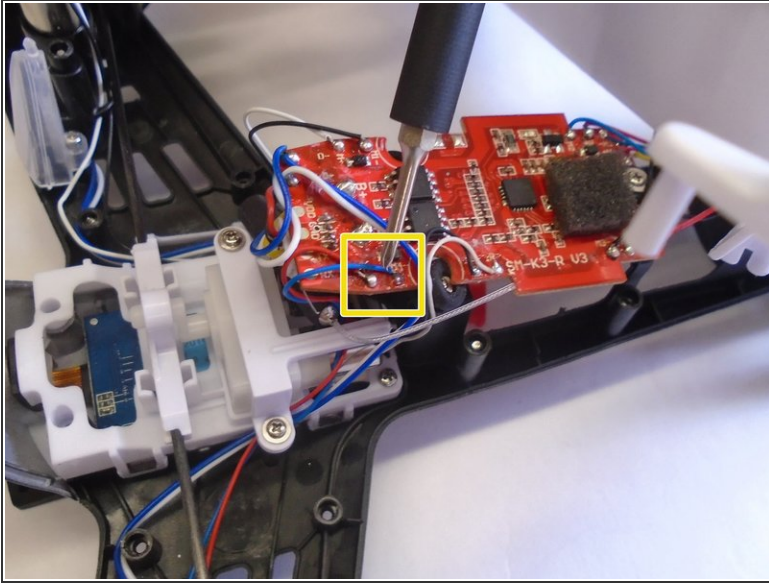
- ⚠ The plastic frames are subject to cracking.
- ⚠ Wires run through both frames.
- Pry the white body away from the black frame.

Step 3



- Gently pry the motor from it's socket.

Step 4



- ✦ Locate these solder points of the leads on the motherboard.
 - From the front of the drone, the left motor has red and blue leads.
 - From the front of the drone, the right motor has white and black leads.
 - Remove the leads from their points on the motherboard with a soldering iron, respective to each motor.
- ⓘ Check out our [How to Solder and Desolder Connections guide](#) if you are unfamiliar with soldering practices.

To reassemble your device, follow these instructions in reverse order.