



DJI Phantom 2 Teardown

DJI Phantom 2 + Gopro Hero 4 camera + Zenmuse H3-3D gimbal + FPV Transmitter

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INTRODUCTION

The Phantom 2 is DJI's revision to its original ready-to-fly quadcopter. The DJI Phantom, better known as the iPod of drones, is a quadcopter marketed primarily as an aerial photography platform for people with less R/C flight experience. Although the Phantom comes preassembled in a clean, white, plastic frame, the quadcopter contains similar hardware to other hobbyist drones, but in a more condensed package. Check out this guide for a detailed look at the propulsion, control, power, and video systems of this powerful tool.

TOOLS:

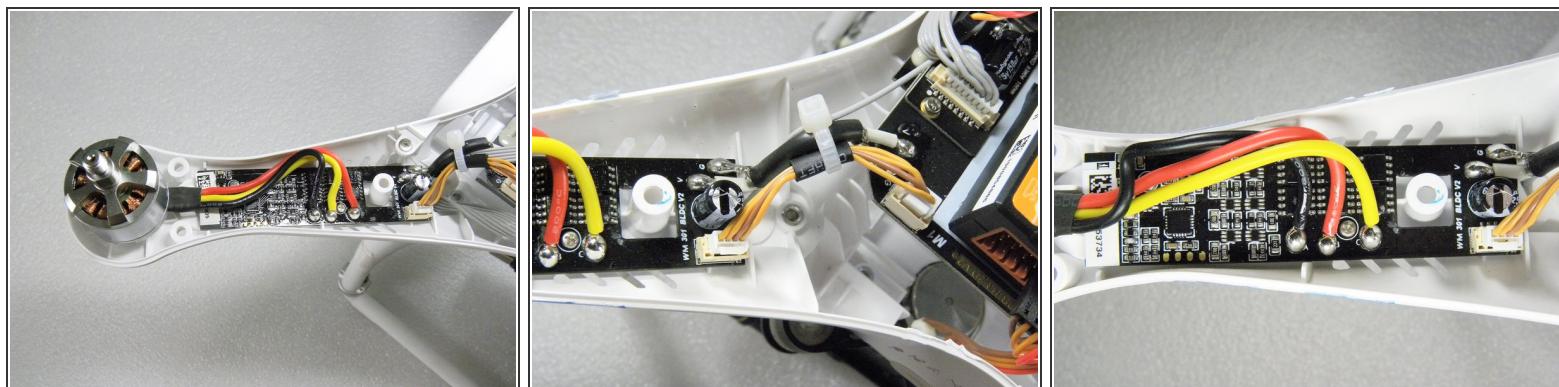
- Pro Tech Toolkit (1)

Step 1 — Brushless DC Motor



- Brushless AC Motor (DJIPV-06 DJI 2212)
- Bottom - three color leds. Remove only some screws

Step 2 — ESC - Electronic Speed Control



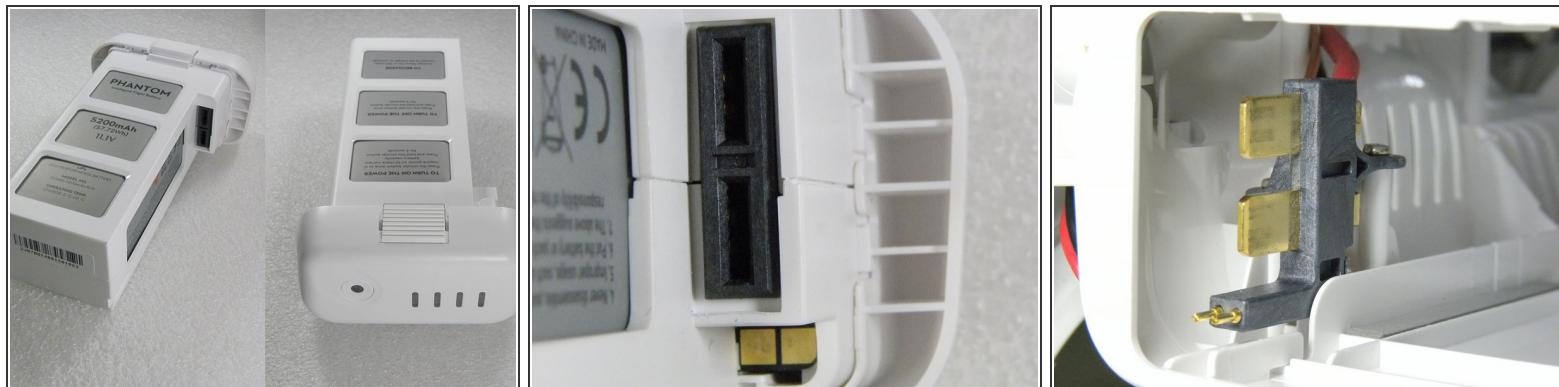
- ESC - Electronic Speed Control

Step 3 — Remote Control and Main Control Circuit



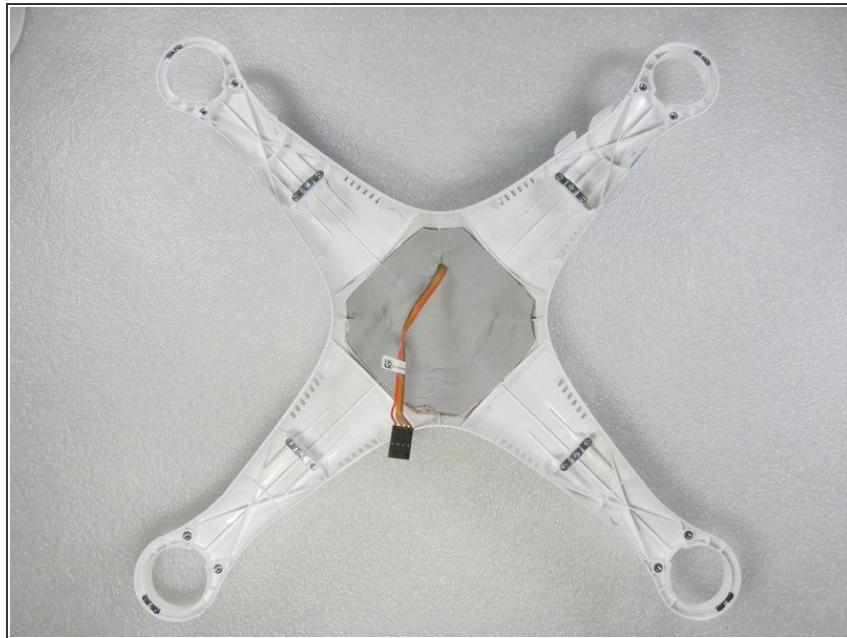
- Remote Control and Main Control Circuit

Step 4 — Intelligent Battery



- Intelligent Battery - LIPO - 11,1V - 5200mAh

Step 5 — GPS circuit and cable



- GPS circuit and cable

Step 6



- Bottom view : Zenmuse H3-3D Gimbal and FPV transmitter
- FPV transmitter
- Gimbal's Brushless DC micro motor