



Protocol Dronium III AP Light Bulb Replacement

How to remove and re-install the L.E.D. bulbs in the Protocol Dronium III AP.

Written By: Steven Mooers



INTRODUCTION

This guide provides instructions for the removal and re-installation of the drone L.E.D. bulbs. This guide requires soldering. Please see [this guide](#) for more information on how to solder and desolder connections.

TOOLS:

- [Soldering Iron](#) (1)
 - [iFixit Opening Tools](#) (1)
 - [JIS #0 Screwdriver](#) (1)
-

Step 1 — Drone Battery Pack



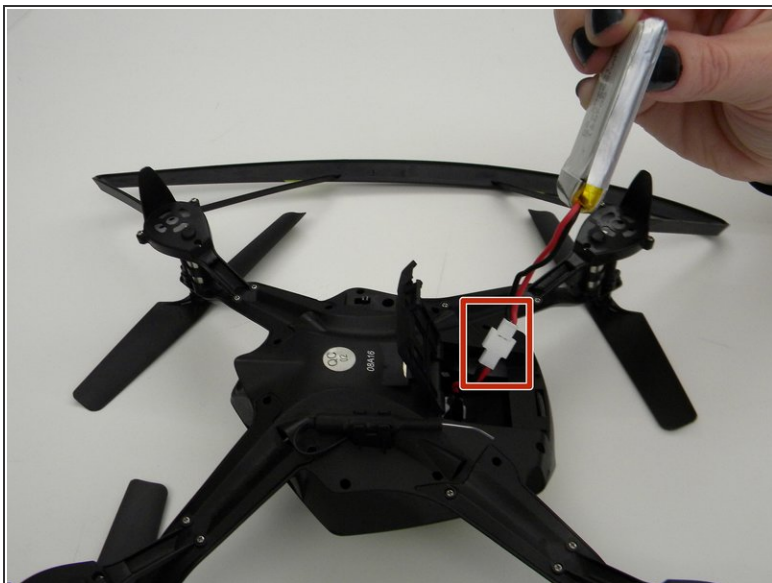
- ⚠ Ensure the drone is powered off.
- Press in and lift battery compartment cover.
- ℹ A soft pry tool may be used for easier access.

Step 2



- Remove battery pack from body of drone.

Step 3



- Disconnect white connectors between the battery pack and drone.

Step 4 — L.E.D. Bulb(s)



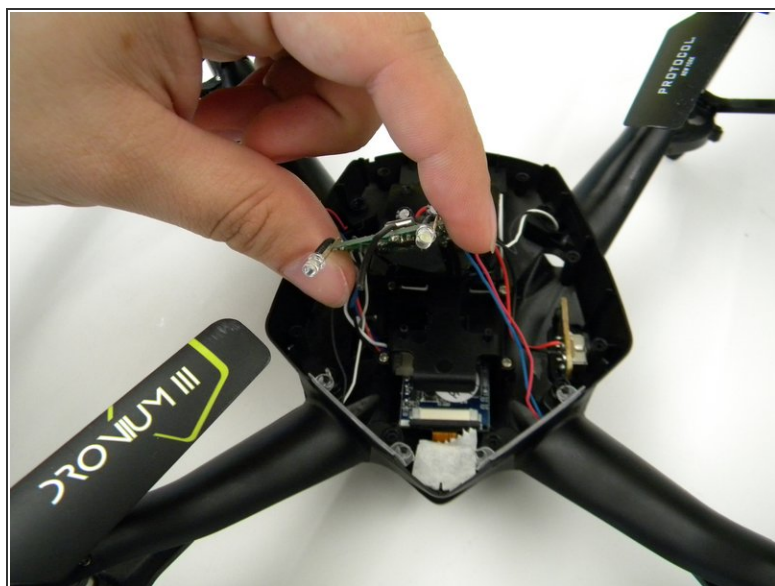
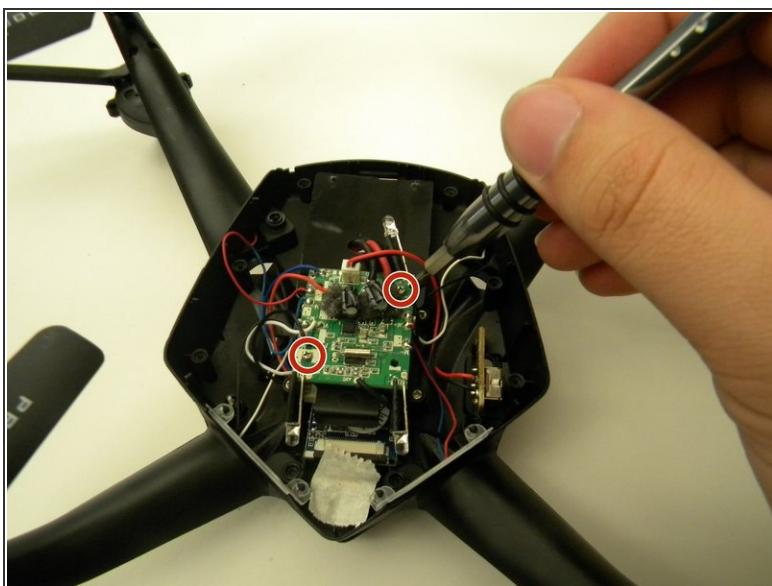
- Remove the eight (8) 5mm Philips screws attaching the motor arms to the body using a Philips J00 screwdriver.

Step 5



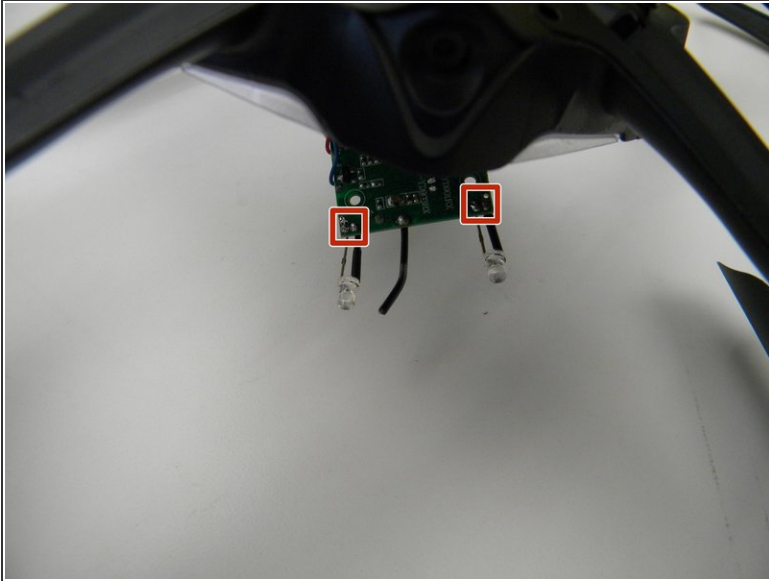
- Remove the six (6) 5mm Philips screws attaching the Body Cover to the Body of the drone using a Philips J00 screwdriver.
- Remove the Body Cover.

Step 6



- Remove the two (2) 5mm Philips screws attaching the Motherboard to the body of the drone using a Philips J00 screwdriver.
 - Lift the Motherboard off the mounting position.
- ⚠ Do not pull hard on the Motherboard as solder connections are fragile.

Step 7



⚠ This step contains a tool that can present a potential burn hazard.

- Prepare and warm up a soldering iron.
- Position Motherboard so that the L.E.D. bulb solder joints are accessible.
- Use the soldering iron to melt the solder joints.
- **i** For more detailed instructions on how to solder, visit our [How to Solder and Desolder Connections](#) guide.
- Remove the L.E.D. bulb from the Motherboard

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