DJI Phantom 4 Advanced Shell Replacement

How to remove the shell on a DJI Phantom 4 Advanced.

Written By: David Hudson

TOOLS:

- 2mm Hex Key (1)
- Metal Spudger (1)
- 1.5mm Hex Screwdriver (1)
- JIS #000 Screwdriver (1)

Step 1 — Propeller

- Use your finger tips to pinch the damaged propeller.

- Twist the propeller counterclockwise and pull up to remove.

Step 2 — Shell

- Remove the eight 7 mm hex screws by turning counterclockwise with a 2 mm hex bit.

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Step 3

- Pry the LED motor covers off with a metal spudger.

- ⓘ The prying location is marked by an indent that points outward from the arm.
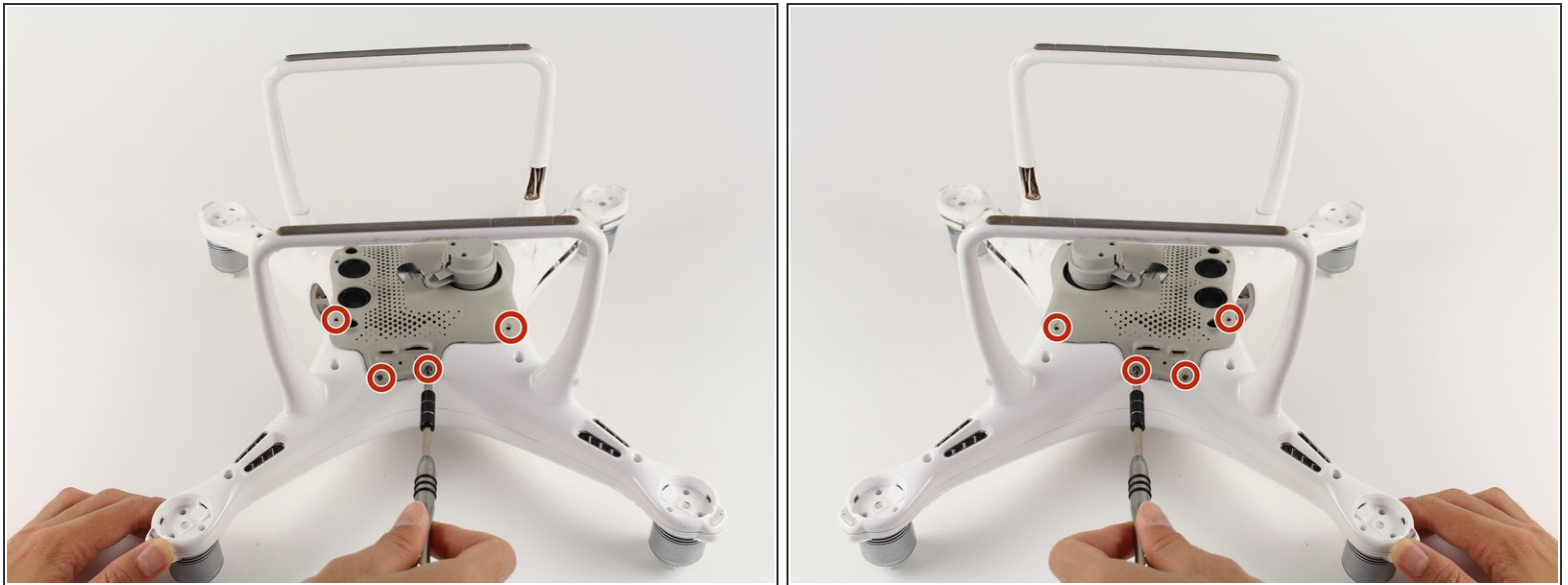
Step 4

- Pry the paper covering off the four corners with a metal spudger.

Step 5

- Remove the twelve 8.7 mm hex screws with a 2 mm hex bit from the motor bases.

Step 6

- Flip the drone on its back

- Remove the eight 4.5 mm hex screws by turning them counterclockwise with a 1.5 mm hex bit.

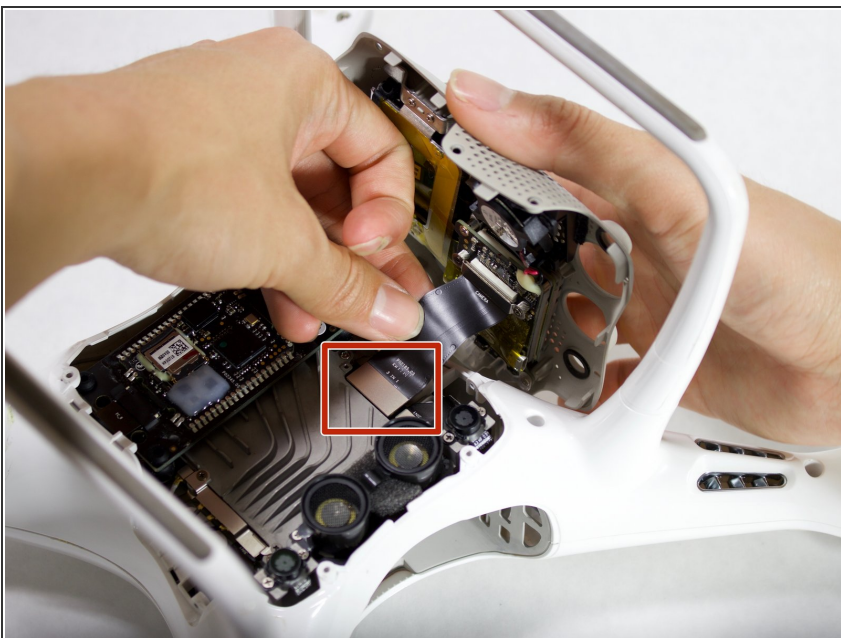- Separate the mesh from the drone by pulling up gently and rocking left to right.

- ⚠ The cable connects from the camera to the drone. Pulling up could rip the connection. Tilt the mesh 90 degrees towards the cable.

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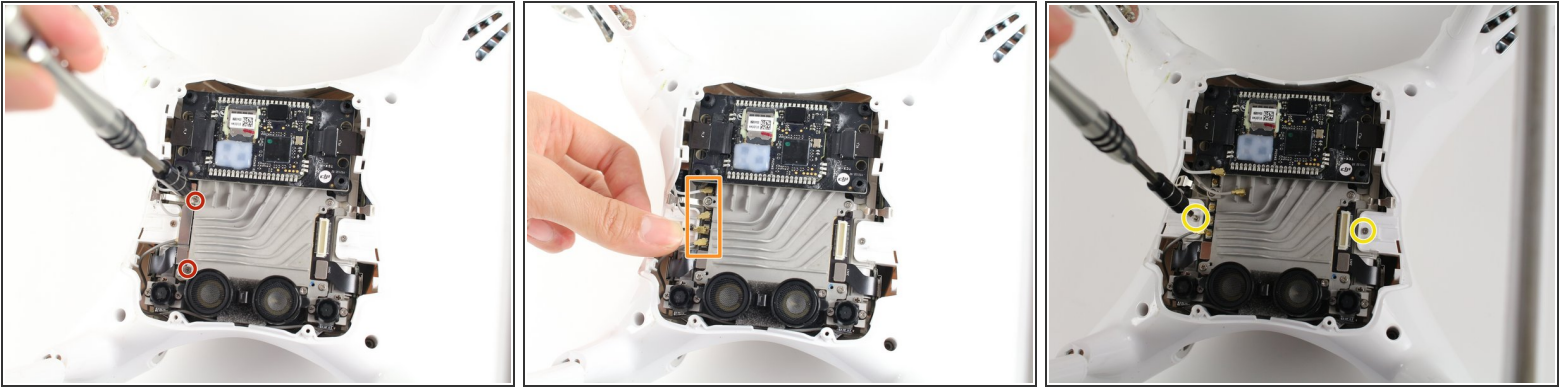
Step 7

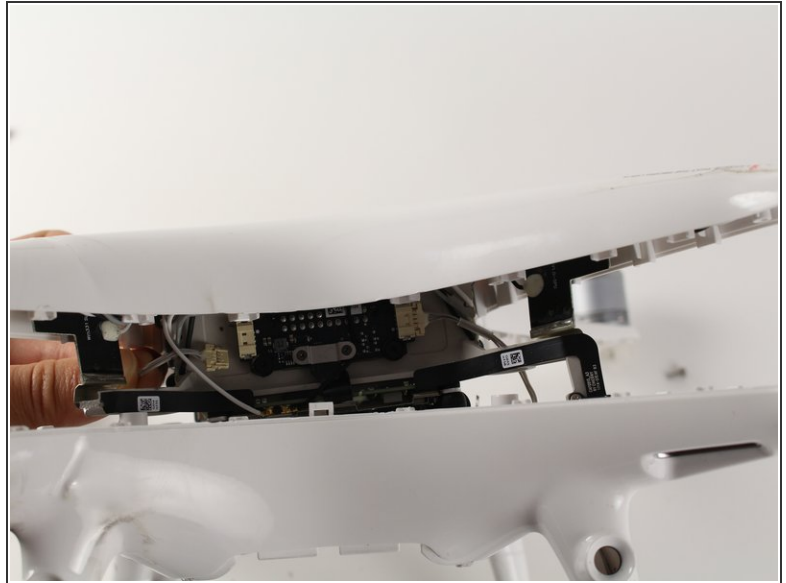- Remove two 1.2mm screws using the JIS #000 bit from the camera cable retaining bracket.

Step 8

- Lift the camera connector at one end with your hand and remove the mesh.

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Step 9

- Remove the two 1.2 mm screws using a JIS #000 bit from the antenna retaining bracket.

- Pull the four U.FL antennae up.

- ⚠ The U.FL antenna connectors are fragile.

- Remove the two 4 mm screws using a JIS #000 bit.
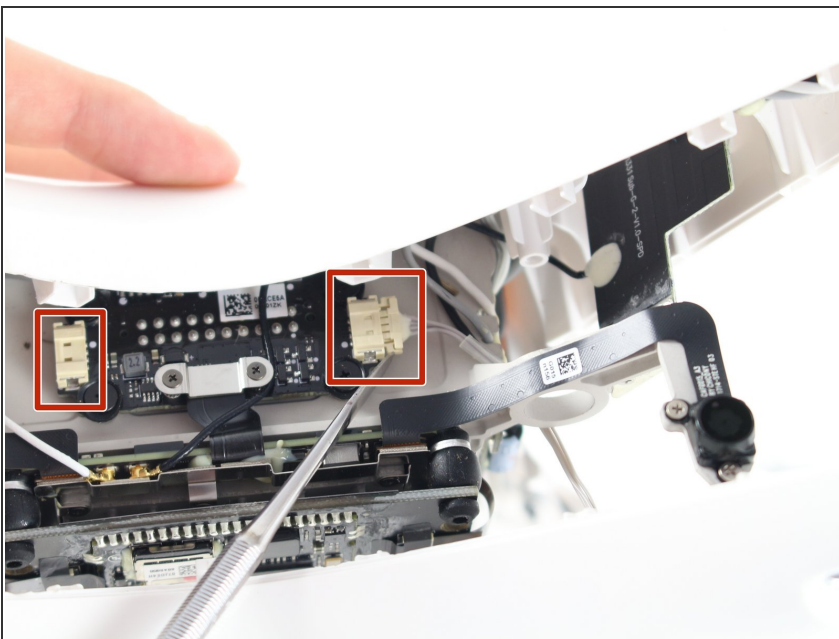
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Step 10

- Pry apart the clamshell at the motor end.

- Separate the clamshell.

⚠ Two wires connect from the lower frame to the upper frame at the front of the drone. Pulling the clamshell apart hard may damage the connectors and wires.

Step 11

- Press the connector tabs with a spudger and pull on the wire simultaneously.

- Remove the shell from the rest of the drone.

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