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Parrot AR.Drone 2.0 Central Cross Replacement

How to replace a damaged central cross frame.

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INTRODUCTION

This video shows how to replace a damaged central cross. Music is the only audio. The tools are not specified.

AR.Drone 2.0 spare parts and mounting tools are available from several Parrot retailers.

[video: http://youtu.be/Tz0qoI24I1k]

TOOLS:

- Heavy-Duty Spudger (1)
- T6 Torx Screwdriver (1)
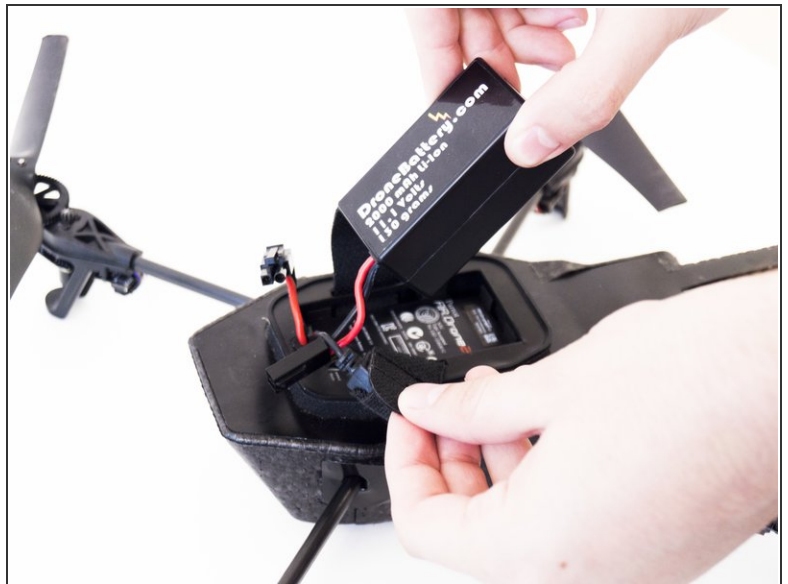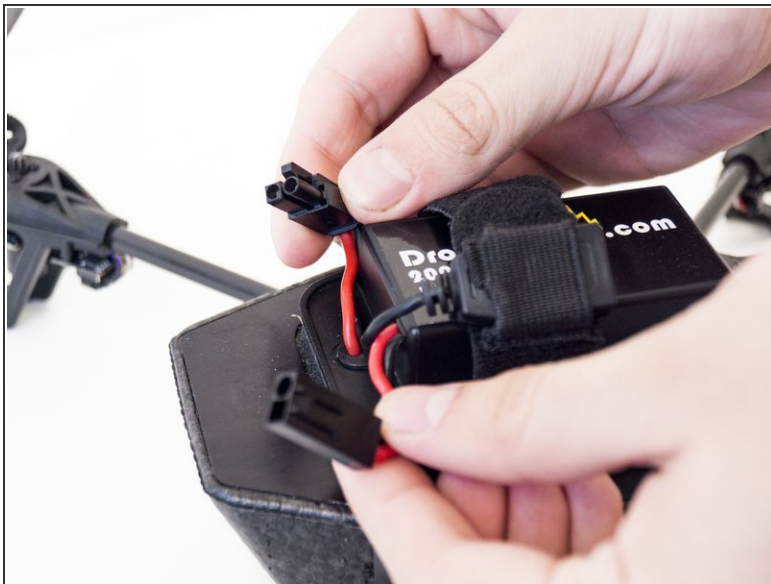- Phillips #0 Screwdriver (1)
- X-ACTO Knife (1)

PARTS:

- Parrot AR Drone 2.0 Central cross (1)

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Step 1 — Mainboard and Navigation Board

- Remove the foam body.

Step 2

- Disconnect the battery by pulling the two red wires apart.

- Remove the battery by releasing the battery retaining straps.

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Step 3

- Turn the drone upside down.

- The cover is held on by plastic tape. Peel off the tape and use a spudger to remove the back cover.
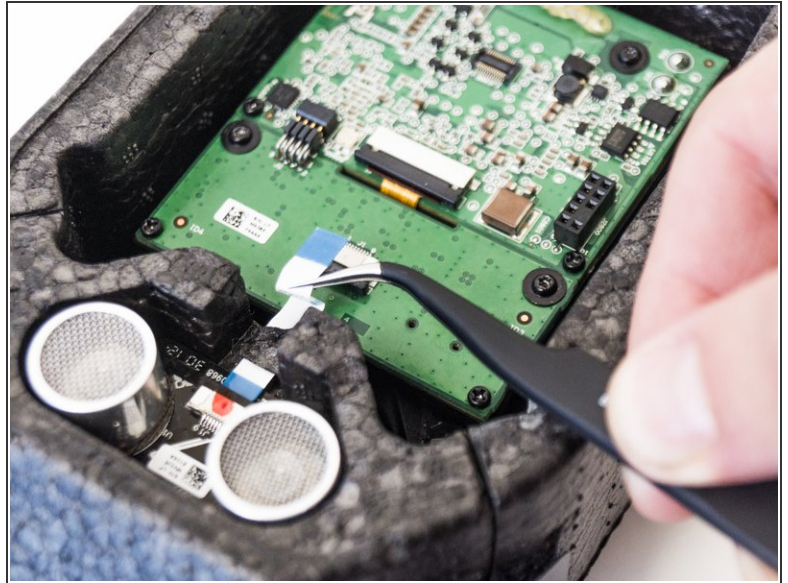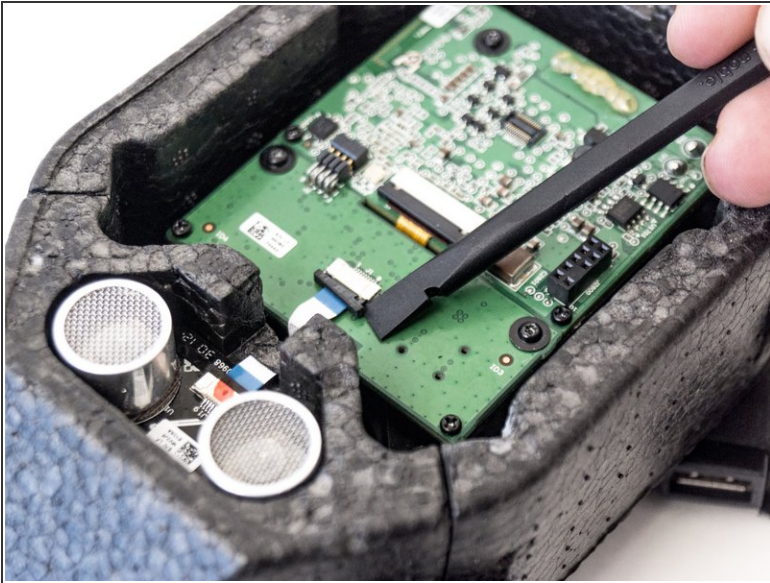
Step 4

- Using a spudger, separate the connector for the downward camera.

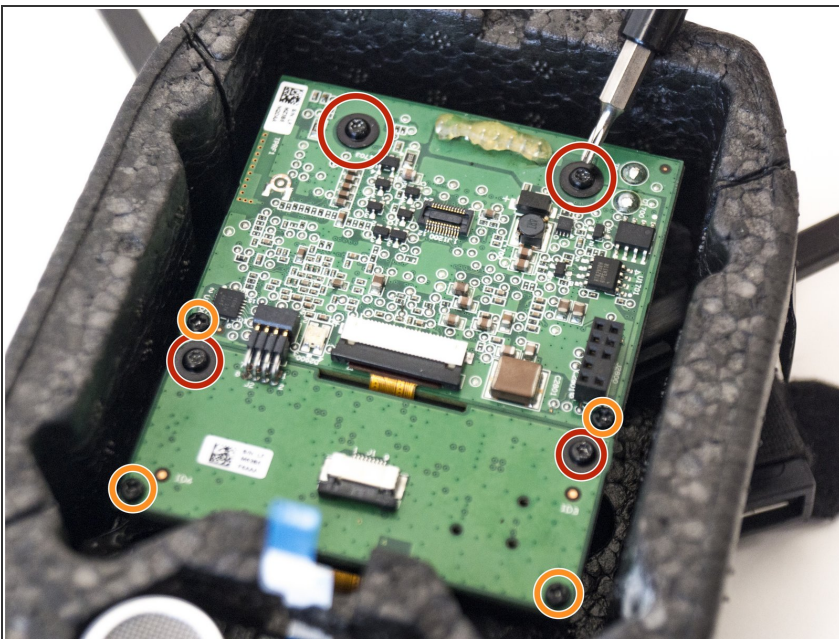- Remove the camera from the body by pulling it off the foam body.

Step 5

- Use a spudger to release the black retaining clip. Then disconnect the connector to the sensors.

- Use tweezers to carefully remove the ribbon from the connector.

Step 6

- Remove the four 8mm torx screws with a T6 bit.

- Remove the four 8mm philips head screws with a PH00 bit.

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Step 7

- Carefully pull the secondary board from the mainboard.

Step 8

- Turn the drone right side up

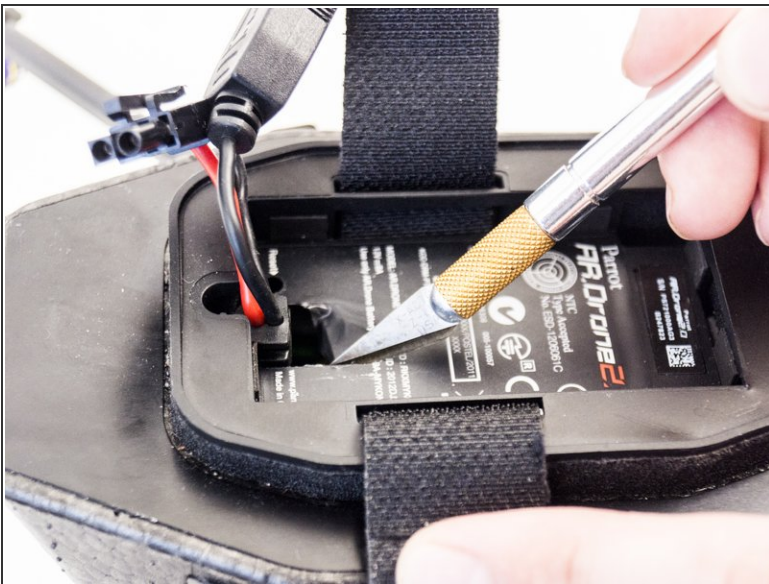- Remove the USB connector from the battery retaining straps.

Step 9

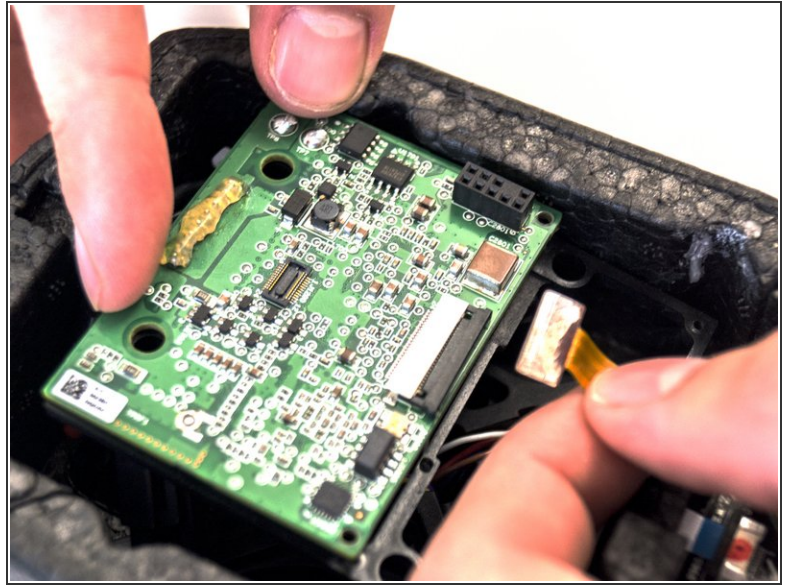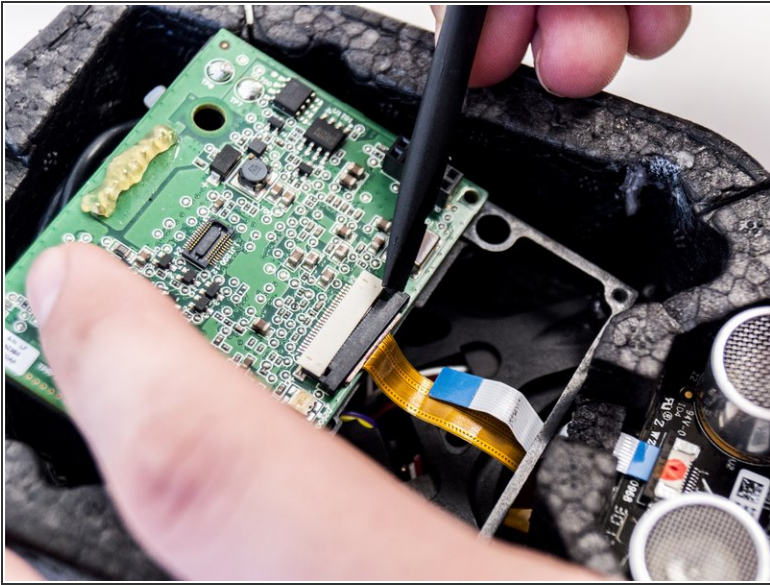- Release the rubber clip holding the USB and battery power cable to the body.

Step 10

⚠ Avoid using sharp tools near the battery.

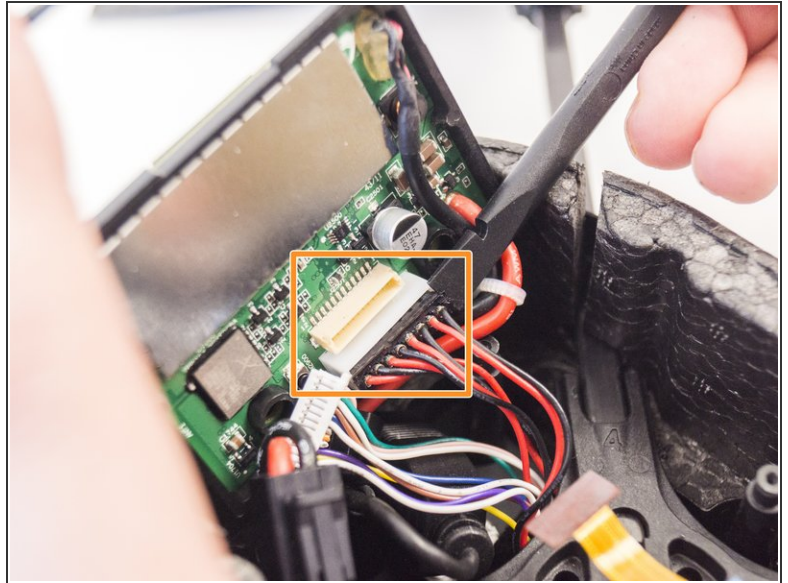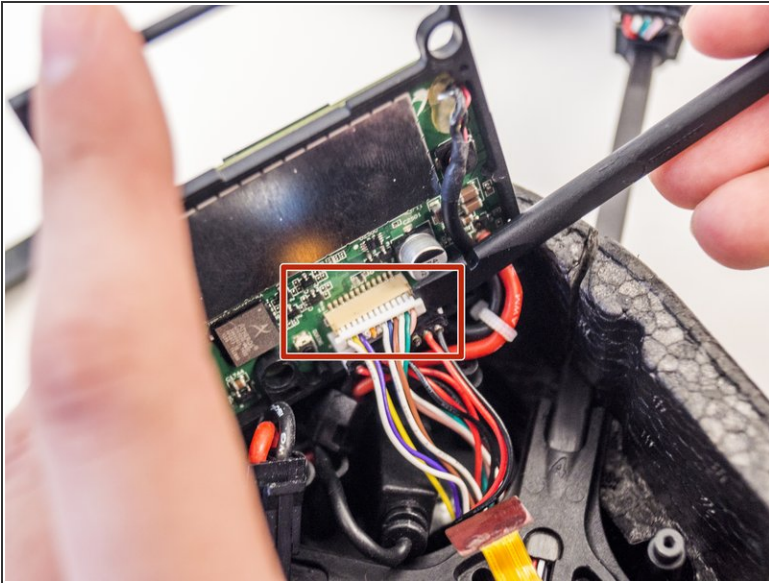- Push the USB and power cable through the battery panel.

Step 11

- Turn the drone upside down again.

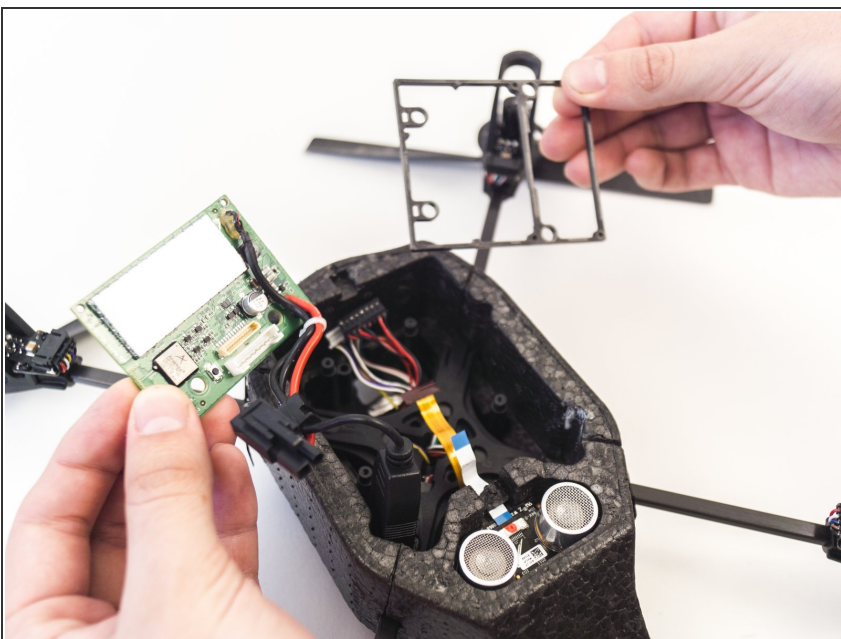- Use a spudger to release the connector and carefully remove the ribbon.

Step 12

- Lift the mainboard up so that you can access the back.

- Disconnect the first connector with the white wires using a nylon spudger.

- Disconnect the second connector with the red and black wires using a spudger.
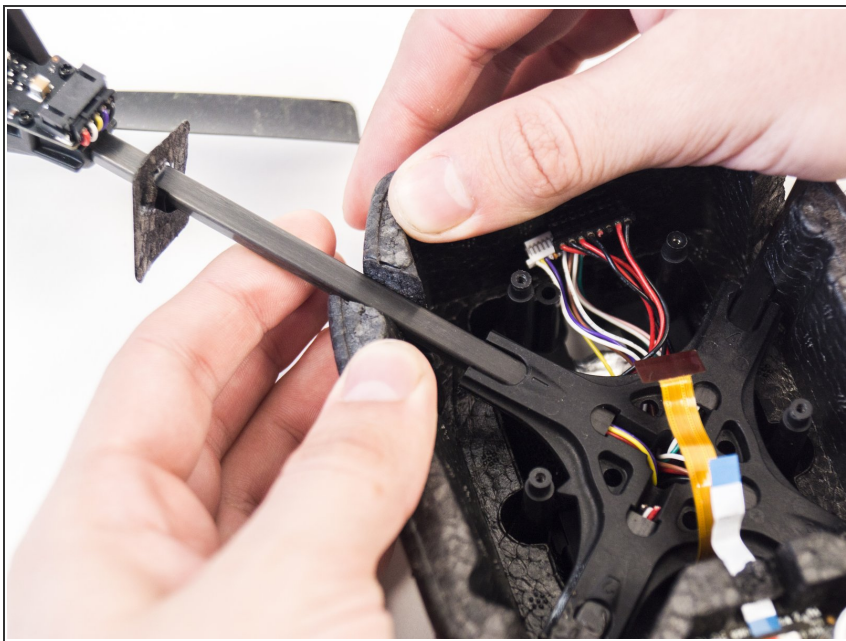
Step 13

- The mainboard is now fully detached and can be removed.

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Step 14 — Central Cross

- Using a nylon spudger, peel off the four pieces of plastic securing the frame to the body.

Step 15

- Carefully maneuver the four arms of the drone's central cross until it detaches from the body by pulling apart the foam surrounding the arms.

Step 16

- The central cross can now be removed and replaced.

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

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