



# 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/Tz0qol24l1k>]



### TOOLS:

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



### PARTS:

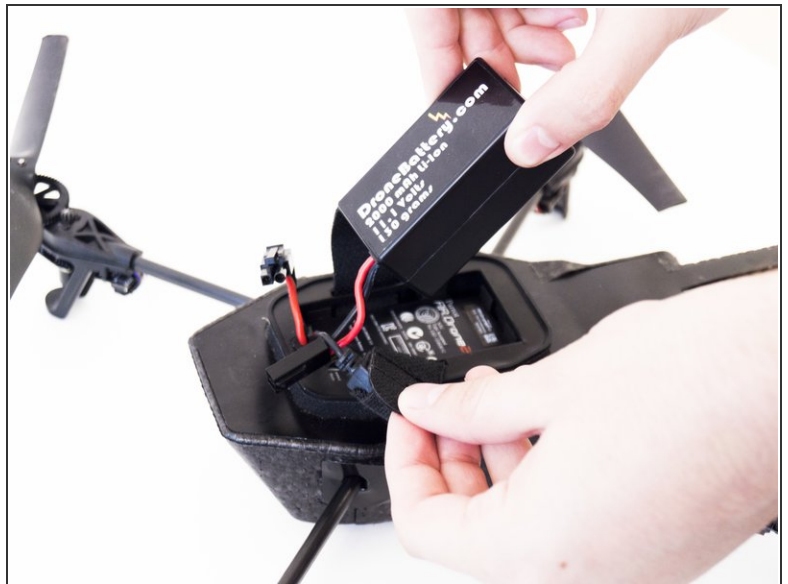
- [Parrot AR Drone 2.0 Central cross](#) (1)

## 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.

## 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.

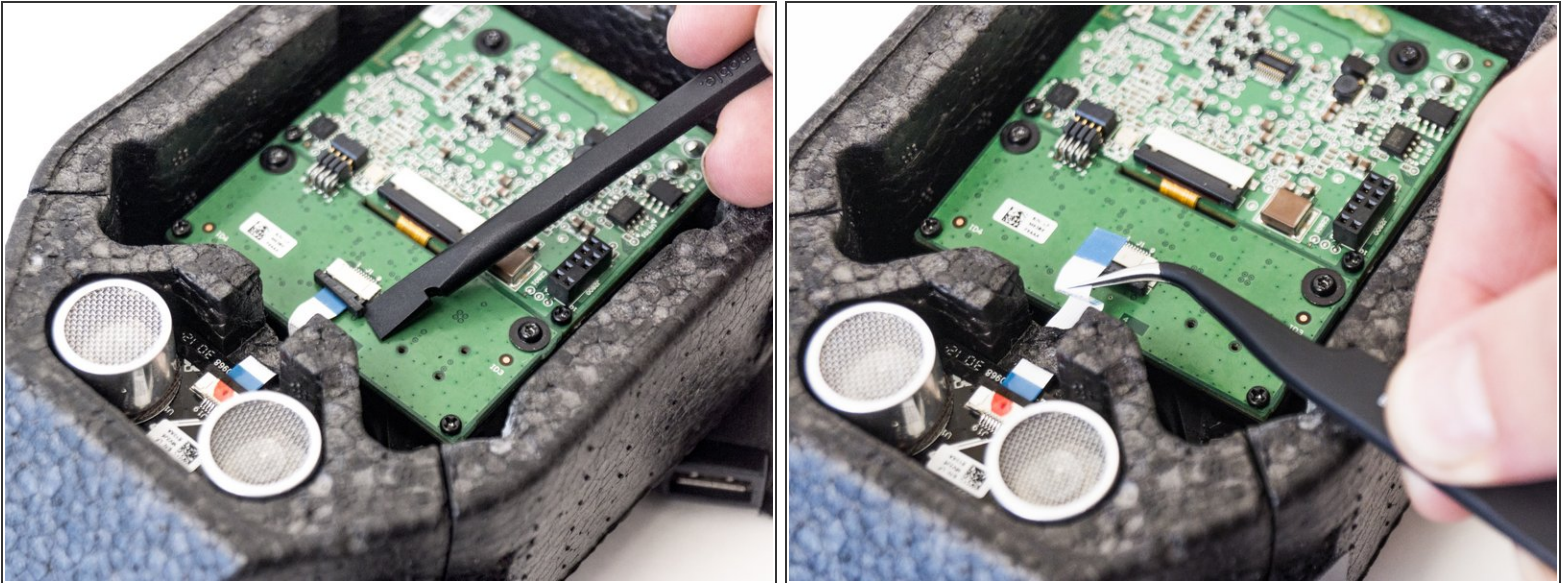
## Step 4



- Using a spudger, separate the connector for the downward camera.
- Remove the camera from the body by pulling it off the foam body.

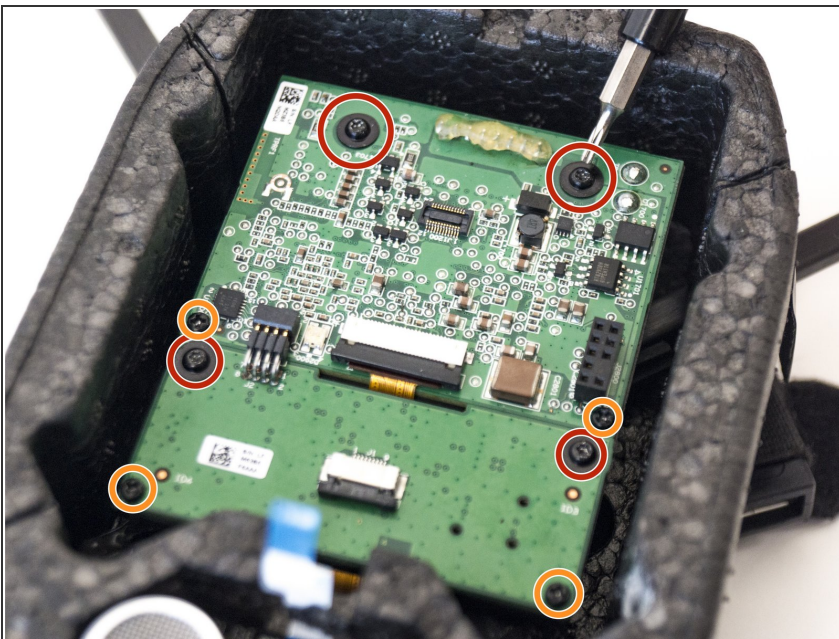


## Step 5



- 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.

## 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.

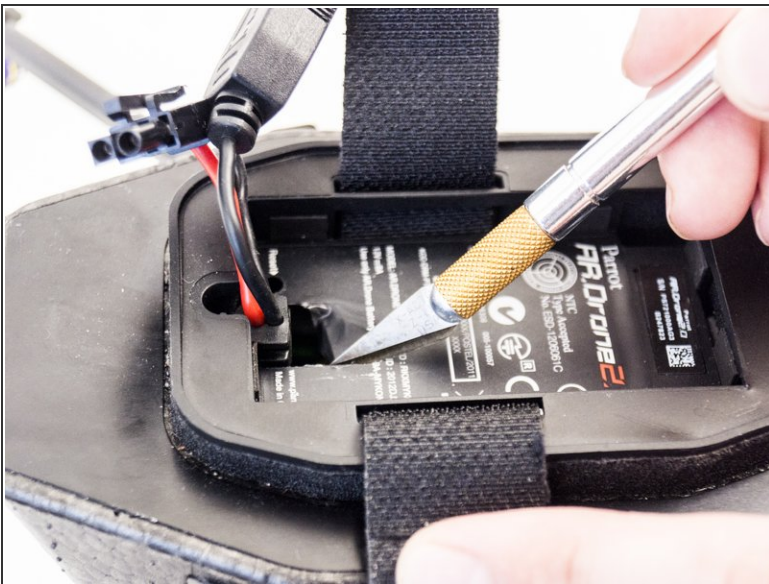


## Step 9



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

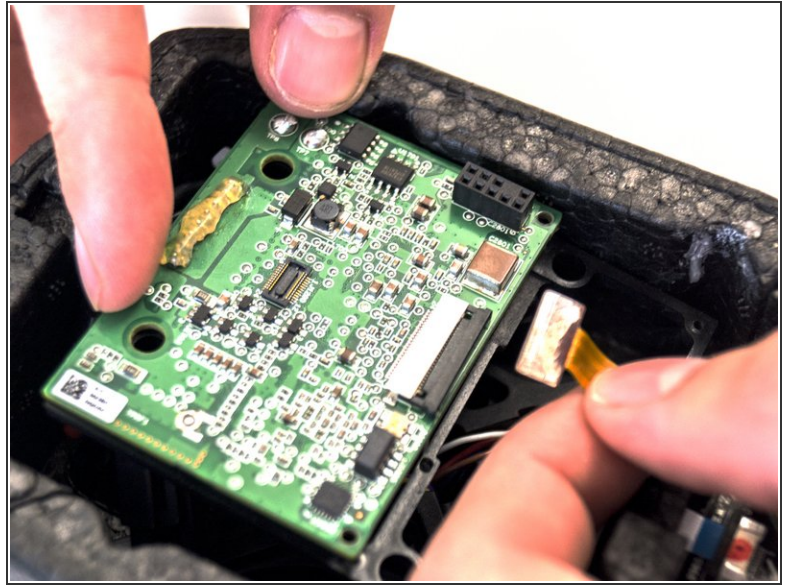
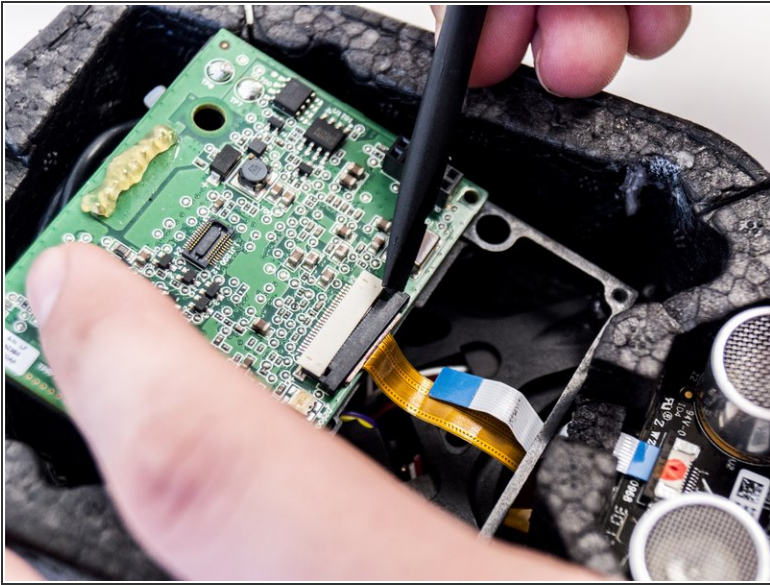
## Step 10



Avoid using sharp tools near the battery.

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

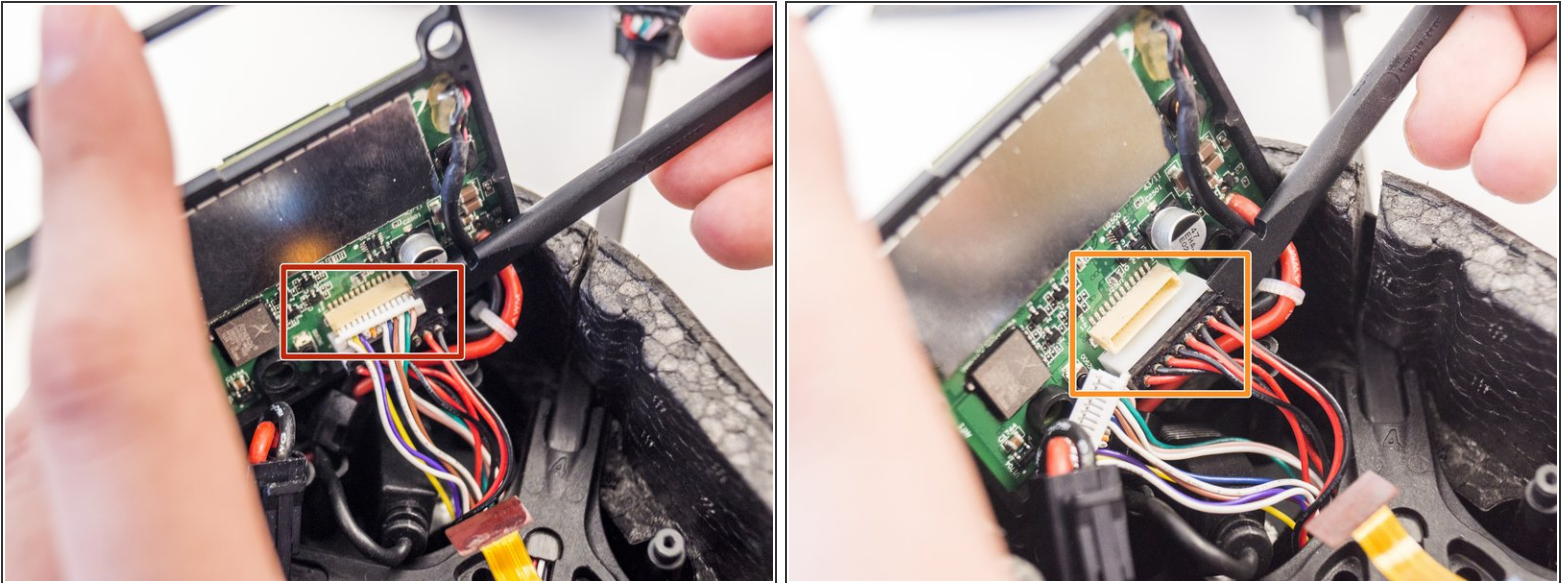
## Step 11



- Turn the drone upside down again.
- Use a spudger to release the connector and carefully remove the ribbon.

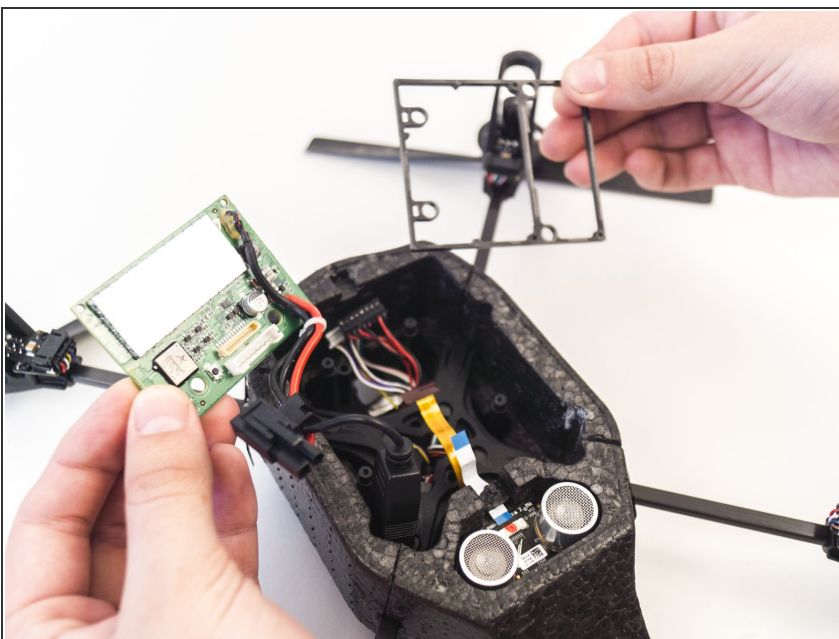


## Step 12



- 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



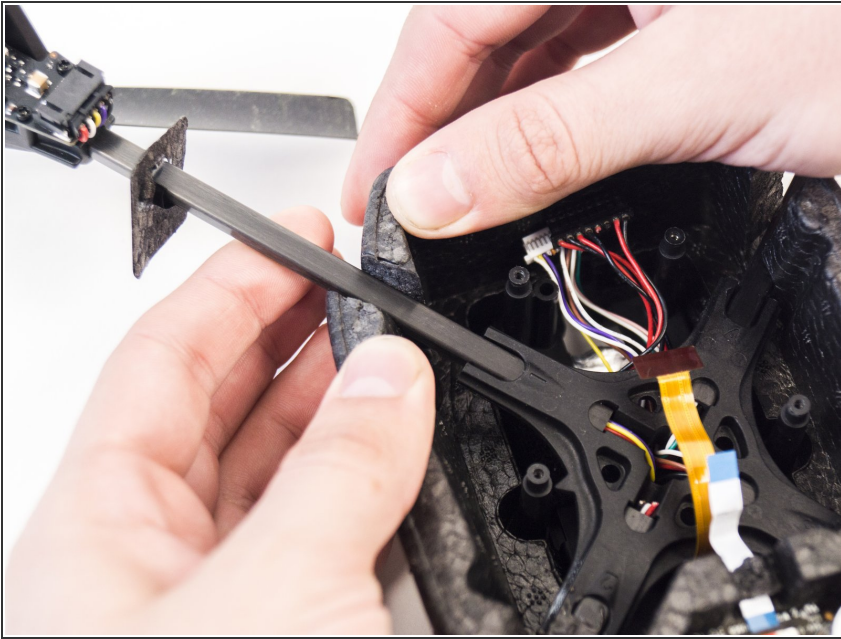
- The mainboard is now fully detached and can be removed.

## 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.