



# Z-Edge 3 2K HDR HD Dashcam Teardown

Zero Edge Technology (Z-Edge) Dashcam HD Dashcam DVR

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## INTRODUCTION

This guide is a teardown of the Z-Edge 3 dashcam showing the internal components and how to access them. This is not a repair guide - just a teardown guide. This is an easy teardown.

### TOOLS:

- iFixit Pro Tech Toolkit (1)

## Step 1 — Front view of the camera



- This is the camera we are working with

## Step 2 — Remove camera body screws



- Remove the four case screws - 2 ea from the grey button panels using J000 phillips screwdriver bit

## Step 3 — Pry open camera body



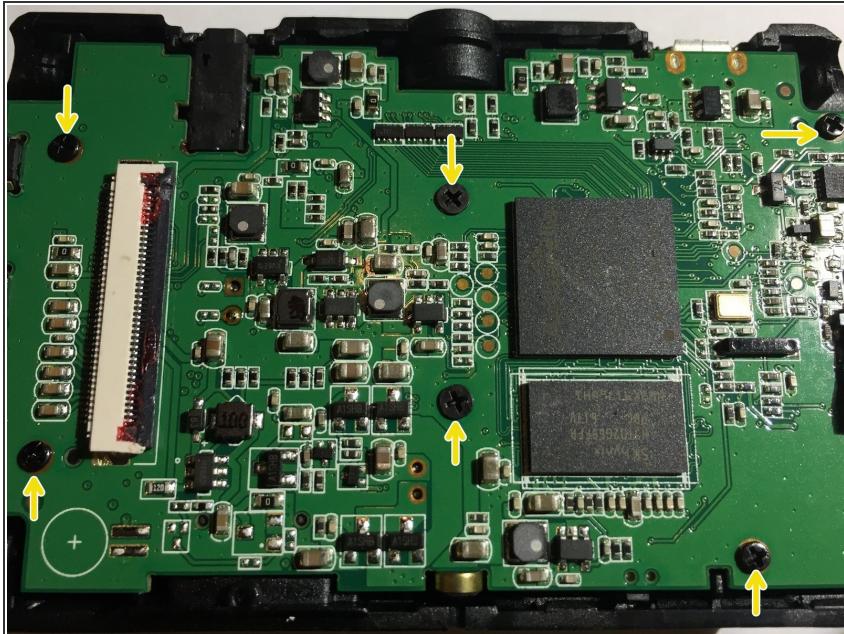
- Locate a small hole in the case to insert an opening tool along the edge (in this view I had already popped the case open) and run the tool along the edge (ok, I cheated and used my fingernail to do it once I got the lip slightly opened)
- Watch that the LCD is connected to the body via FPC flexible cable. (No worries though, thanks to some pretty red adhesive they dropped onto the connector release....more on that shortly)

## Step 4 — Remove the LCD cable from the PCB



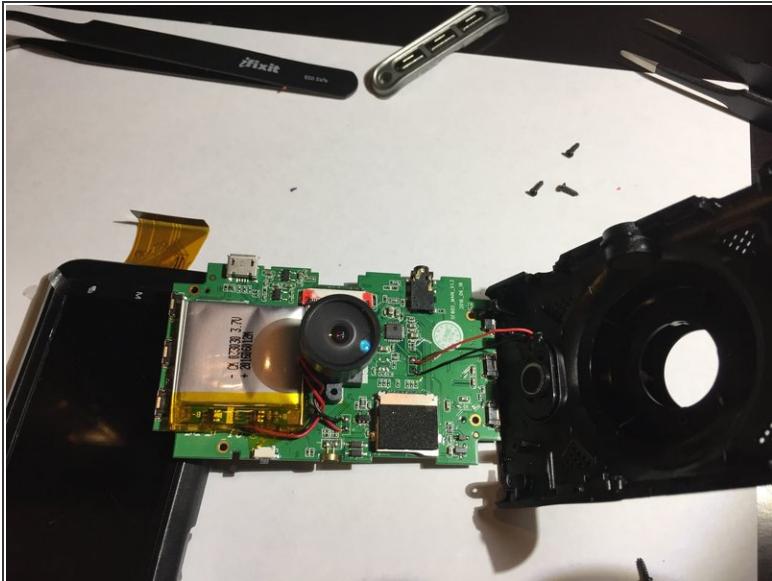
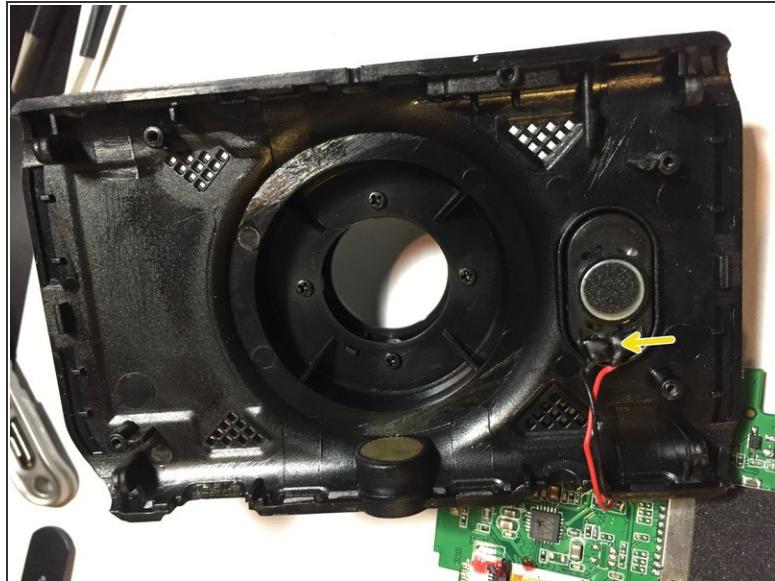
- Look there! Did someone bleed on that FPC connector for the LCD or is that adhesive?
- Starting at the connector, you can take the 1.0 flat head bit from the iFixit toolkit and carefully scrape the bits of that semi-hard adhesive off the ends of the connector lock. Then slip the spudger between the lock and connector body to release the cable and remove the LCD

## Step 5 — Remove the PCB from the housing



- There are six phillips head screws holding the PCB to the housing (sort of...the two in the middle of the PCB hold the camera module to the board but go ahead and remove those too)
- The J00 phillips screwdriver bit should work nicely on these screws
- If you look closely at the FPC cable connector...yep I dinged the hold down piece pretty badly scraping the adhesive...but you'll see I was more gentle and effective with the adhesive on the camera module FPC cable connector!

## Step 6 — Remove speaker from housing



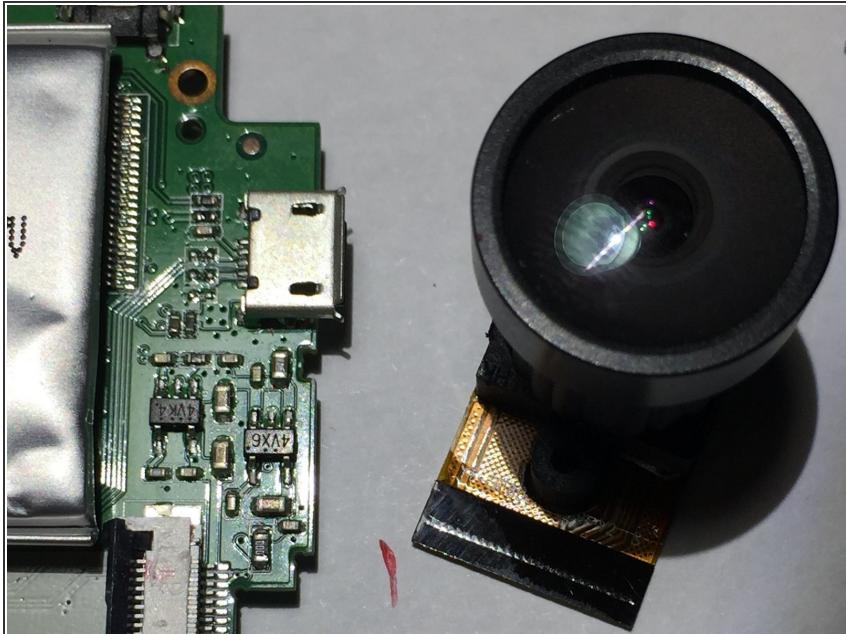
- After the PCB board is taken loose from the housing, we see that we have two wires attaching a small speaker to the housing,
- The speaker is easily removed with a thin pry tool slipped into the speaker cavity or, a lesser preferred method that I used, grab the two wires close to the speaker and carefully but firmly lift the front edge of the speaker upwards to get the initial adhesive to release. At that point you can grab the speaker and pull it out from the cavity.

## Step 7 — PCB and Camera Module



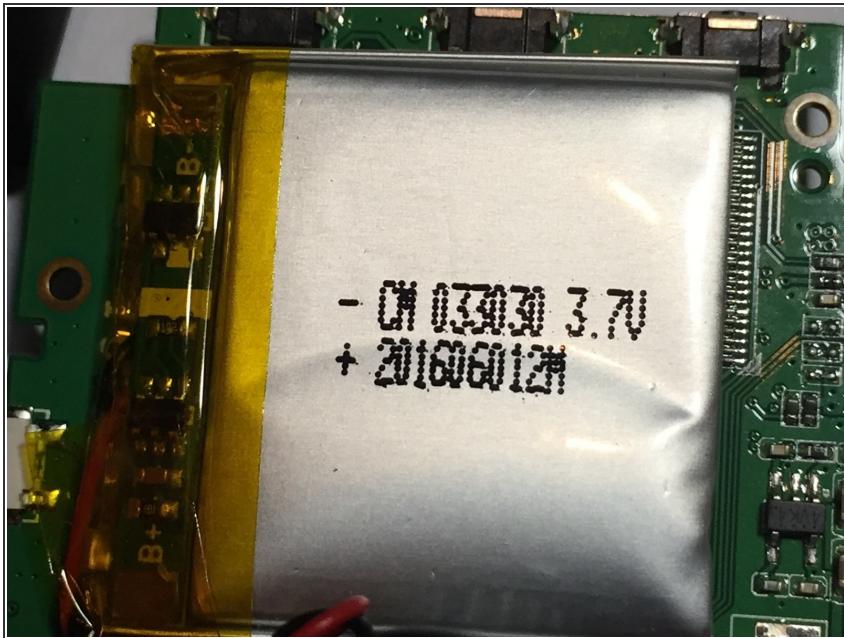
- The only thing holding the camera to the board at this point is another flexible printed circuit cable with some adhesive on the connector and hold down.
- This time I started from the connector end and carefully but with pressure used my 1.0 flathead bit to cleanly scrape off the goo.
- Flip up the connector hold down "latch" with a spudger or the flathead bit and remove the flex cable and pull the camera module out.

## Step 8 — View of Camera Module



- I couldn't quite make out the writing on the bottom of the camera module nor could I find anything similar online.

## Step 9 — View of the Battery



- Battery module showing type and presumably, date of manufacturing?
- Sorry, I didn't remove the battery from the board.
- The battery is held down on a pad with adhesive. It can be lifted carefully from the pad taking care on the side with the yellow cellophane which has a circuit board.
- ....and that's the end of the teardown. I hope it was useful!