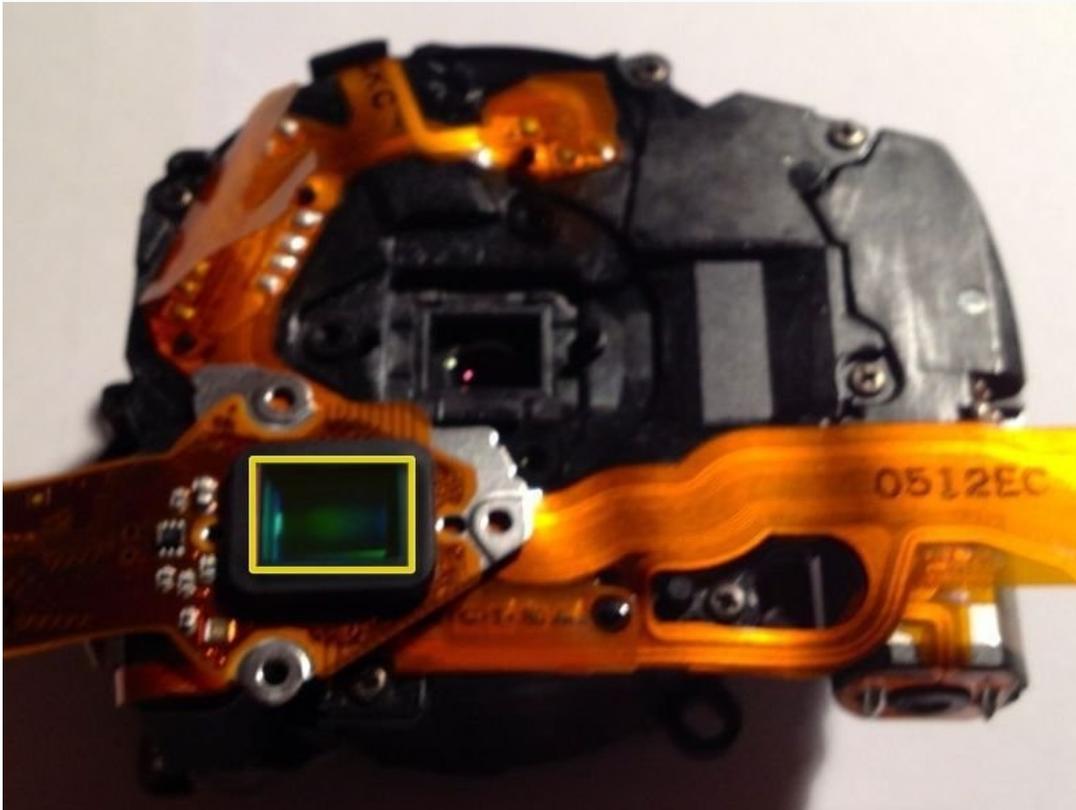




# Panasonic Lumix DMC-TZ10 Image Sensor Repair

I decided to open her up and see it can be...

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# INTRODUCTION

I decided to open her up and see it can be repaired - and it could!

Apparently this guide also works for a similar camera, the Lumix Panasonic DMC-ZS10, with the exception that in Step 3 there are 4 extra screws to remove, two on each end.

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## TOOLS:

8" Needle Nose Plier (1)

Phillips #0 Screwdriver (1)

Flathead 3/32" or 2.5 mm Screwdriver (1)

Soft Cloth (1)

*or Q-Tips or Lint-free cloth*

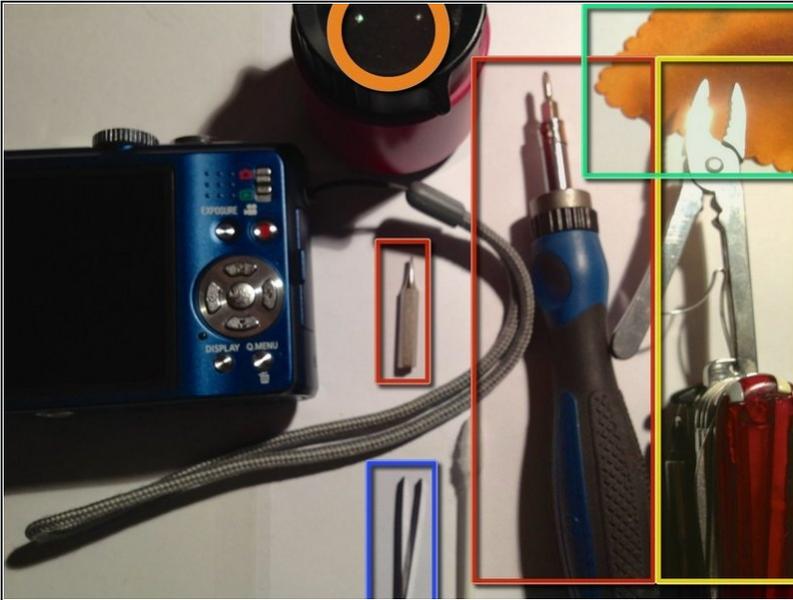
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## Step 1 — This shows the problem



- One can clearly see the dust reproduced on the image

## Step 2 — Tools I used



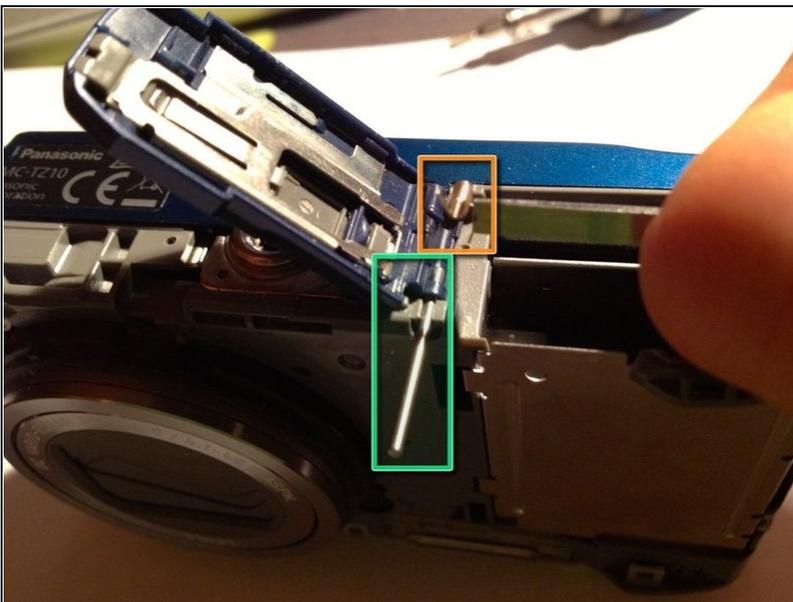
- Magnifying Glas
- Electronics Screwdriver set
- Cloth and Q-Tips
- [tweezers](#)
- My Swiss-Army Knife :-)
- TIP! have a sheet of letter paper to put the parts on as you remove them. You can keep them in removal order so it's easy to reverse the sequence on reassembly.

### Step 3 — Front panel removal



- Remove Bottom screws
  - 3 visible in the picture
  - 2 off screen
  - Only for the DMC-ZS10: there are 4 extra screws to remove, two on each end.
- Remove front panel

### Step 4 — Battery Cover



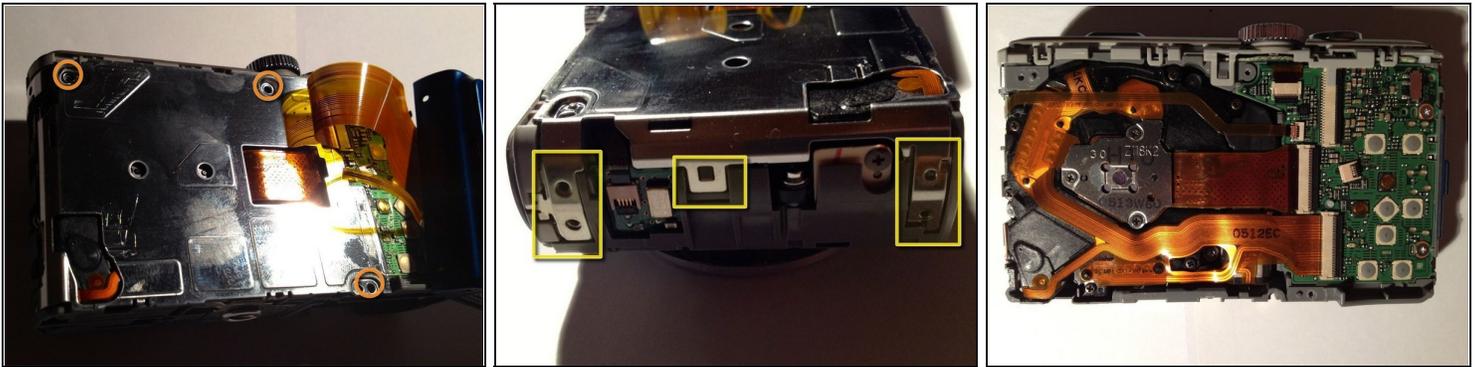
- ① This Step is optional and provided simply for better handling.
  - slide pin to side
  - use small pliers to pull or pin to push
- Caution
  - ⚠ Don't lose the spring!
- remove cover

## Step 5 — Lift back cover



- Carefully lift the cover slightly upwards
- Remove the switch
  - ⓘ It's only secured with a clip at one side and might fall off during handling, if not removed now. However, this step is - optional-
- Lift sideways and remove the two PCB connectors
  - Best use your fingernail or a soft plastic spudger to gently flip the black plastic on the side of the connector to the right until it flips over
  - Then gently pull the PCB to the left outwards without damaging it or bending it too sharply
- Remove back cover completely

## Step 6 — Remove protective metal cover



- Remove screws
- Lift metal clamps gently
- Remove metal cover

## Step 7 — Remove Imaging Chip



- Remove screws holding the Chip assembly
  - Remove PCB Connector (optional) or simply and carefully flip the assembly over
  - Now the Chip with its protective cover is accessible
- ⓘ Note: The last two images show the whole imaging subassembly removed - this is NOT required if you only want to access the chip

## Step 8 — Clean the protective cover



- Clean the protective cover (without any cleaning fluid so to not leave residue on the glass)
- Use a Q-Tip or a lint-free cloth like for glasses and check with the magnifier for success

**⚠ This is a delicate procedure that requires much care and a dust free environment**

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