



# Panasonic Lumix DMC-FZ1000 Lens Replacement

Replace your malfunctioning or inferior Leica lens with a working or alternative one.

Written By: Robseth Taas



## INTRODUCTION

If your lens stops working or you wish to use an alternative one, you will need to replace it. In this guide you will first remove the battery to avoid getting shocking while working inside the camera. Then you will remove the back panel, motherboard, viewfinder, and aperture motor before replacing your lens. In the process you will unscrew various screws and detach a number of electronic ZIF connector ribbons. Be extra cautious when moving any electronic ribbons, since they tear very easily. See [this technique on disconnecting ZIF connectors](#) to better learn how to detach a ZIF connector ribbon.

In several steps of this guide, the state of the camera in the accompanying visual or visuals will not correspond to the state of your camera. The visuals differ from your camera in the following ways:

- Electronic ribbons will appear torn and taped. Your camera's electronic ribbons should not be torn.
- Black tape will appear crinkled due to prior removal. Your camera's black tape should not appear to have been previously removed.

## TOOLS:

- [Phillips #00 Screwdriver](#) (1)
- [Spudger](#) (1)
- [Tweezers](#) (1)
- [T5 Torx Screwdriver](#) (1)

## Step 1 — Battery



- Slide the switch on the bottom of your camera from the right (LOCK) to the left (OPEN).
- ① The battery door will swing open.

## Step 2



- Pull down on the lever that holds the battery.
- ① The battery will pop out of its casing.

## Step 3



- Pull out the battery.

## Step 4 — Motherboard



- Push in on the SD card inside the battery housing.
- The SD card will pop out.
- Pull out the SD card.
- Close the battery housing door.

## Step 5



- Remove the two 5.2 mm Phillips #00 screws that are 1) below the label and 2) above the tripod mount hole on the bottom of the camera.
  - You may ignore the screw below the tripod mount hole.
- Remove the two 5.5 mm Phillips #00 screws on the side of the camera with the MIC jack.
- Remove the two 7.0 mm Phillips #00 screws that are 1) above and 2) below the HDMI panel.
  - You may ignore the screw that goes through the leather material to the right of the HDMI panel.

## Step 6



- There are two screws that hold the eye piece on to the main housing, just underneath. Remove these. Once these have been removed, gently pull and remove the eye piece and remove the now accessible top two screws.

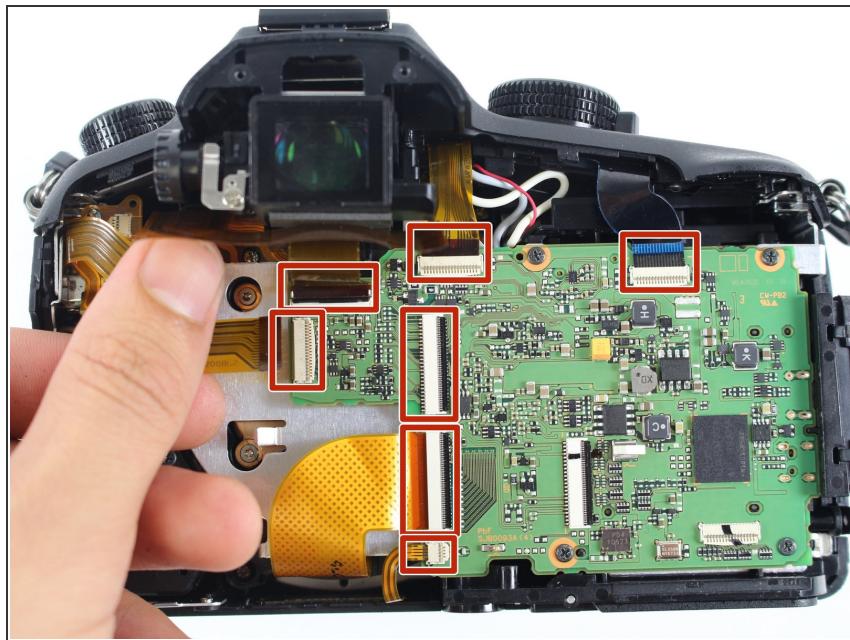
## Step 7



**⚠** Do not yank off the back plate. If you do, you will tear the electronic ribbons attached to the inside of the camera and the back plate.

- Gently lift up the back plate, being careful not to damage any ribbons.
- ⚠** Do not yank out the electronic ribbons attached to the motherboard and the back plate, or you may damage them. To properly detach these ZIF connector ribbons, see [this technique on disconnecting ZIF connectors](#).
- Pull to disconnect from the motherboard the two ZIF connector ribbons attached to the back plate.
- Set aside the back plate.

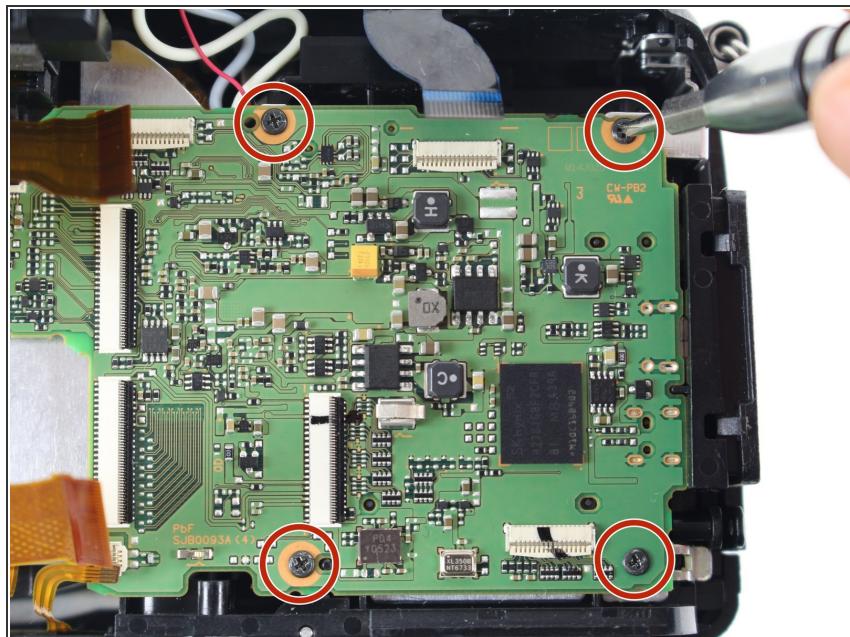
## Step 8



**⚠** Do not yank out the electronic ribbons attached to the motherboard, or you may damage them. To properly detach these ZIF connector ribbons, see [this technique on disconnecting ZIF connectors](#).

- Pull to disconnect from the motherboard the seven ZIF connector ribbons.

## Step 9



- Remove the four 5.2 mm Phillips #00 screws at the corners of the motherboard.

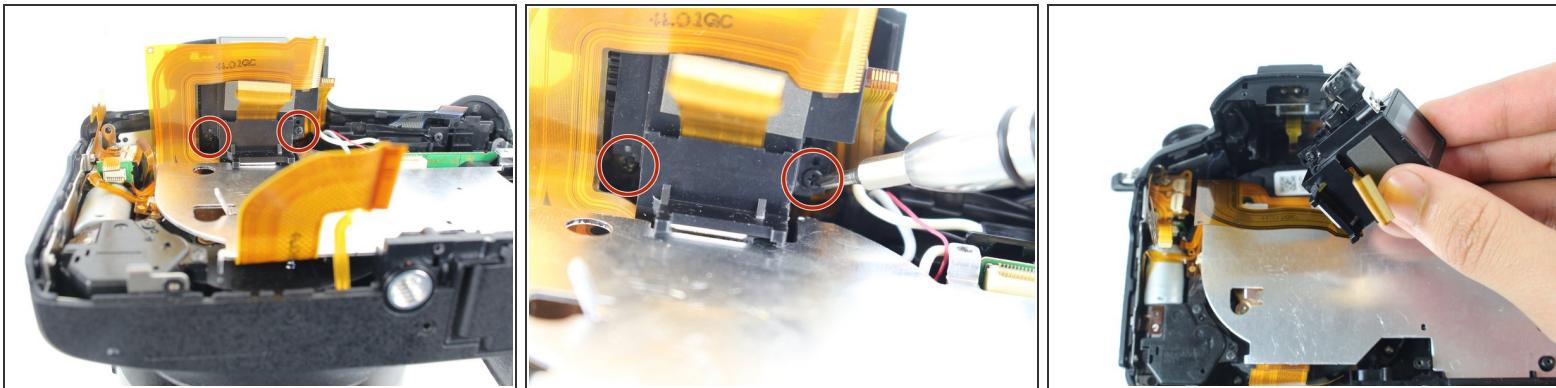
## Step 10



- Firmly grasp the left side of the motherboard.
- Pull out the motherboard.

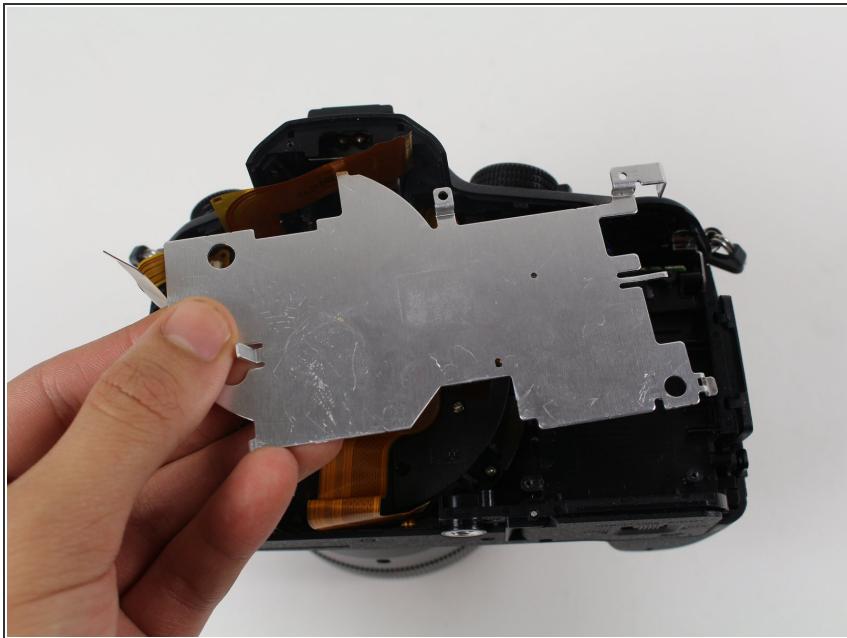
*(i)* If you find it difficult to remove the motherboard, pull it away from the HDMI panel while pulling it out.

## Step 11 — Lens



- Remove the two 7.0 mm Phillips #00 screws on the underside of the viewfinder.
- Pull out the viewfinder.

## Step 12



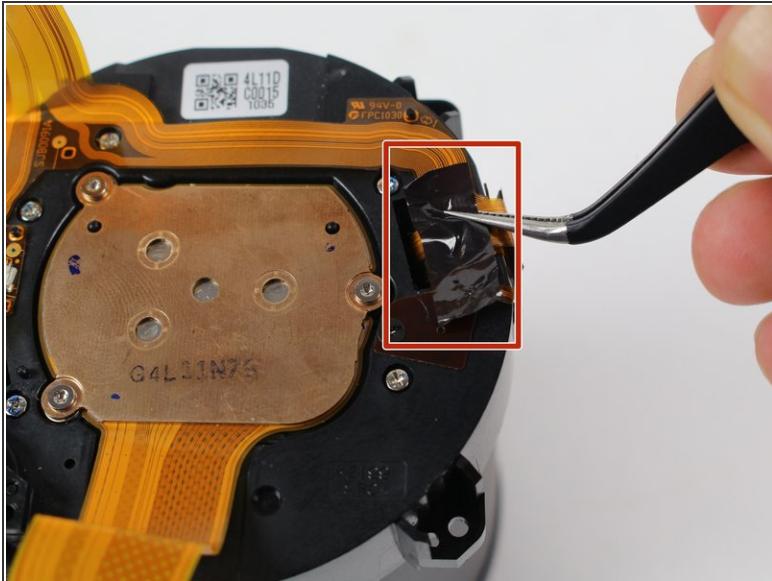
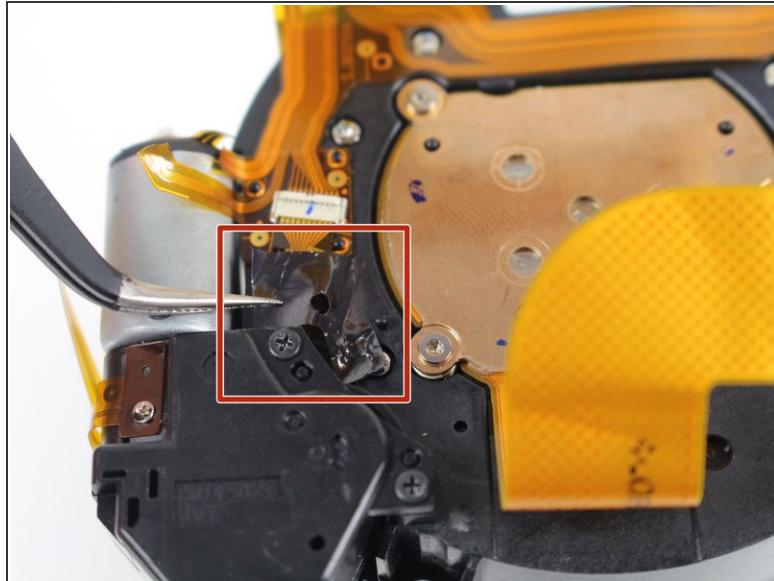
- Pull out the silver metal plate.

## Step 13



- Remove the four 9.0 mm Phillips #00 screws at the four corners of the lens.
- Push up on the lens from the front/outside of the camera to remove it.

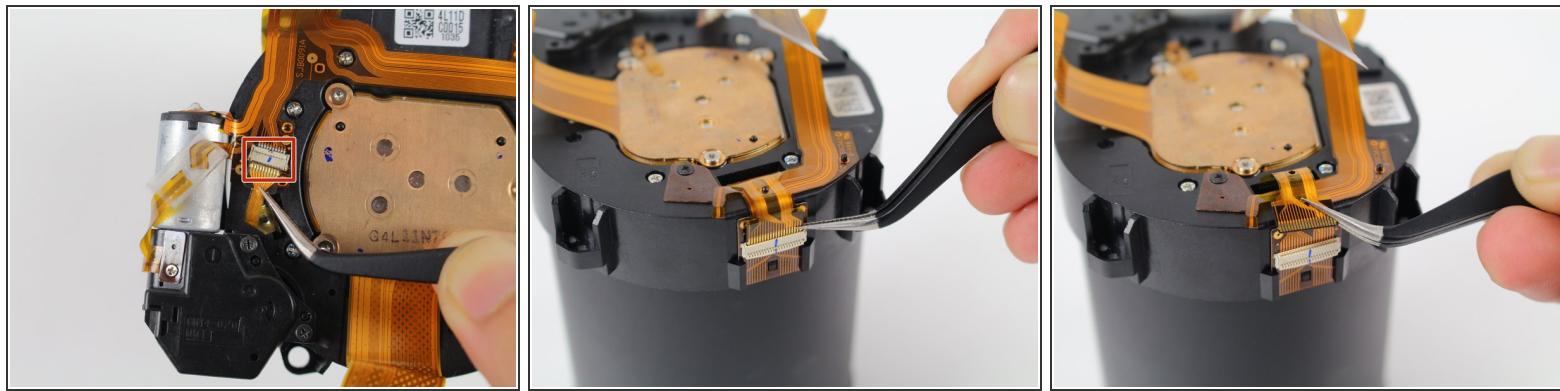
## Step 14



**⚠** In this step you will remove tape stuck to the top of several electronic ribbons. Be extremely careful when removing the tape, since the ribbons tear very easily.

- Very carefully use tweezers to peel off the black tape between the lens and the metal cylinder.
- Very carefully use tweezers to peel off the black tape on the right side of the lens.

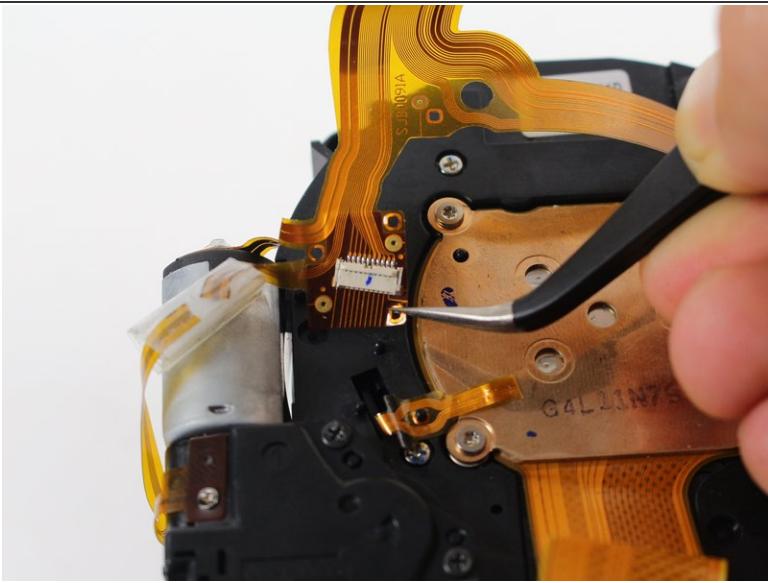
## Step 15



**⚠** In this step you will tug on thin electronic ribbons with tweezers. Be extremely careful when pulling the ribbons, since they tear very easily. To properly detach these ZIF connector ribbons, see [this technique on disconnecting ZIF connectors](#).

- Using tweezers, very carefully pull to disconnect the ZIF connector ribbon between the lens and the metal cylinder.
- Using tweezers, very carefully pull to disconnect the ZIF connector ribbon on the side of the lens.

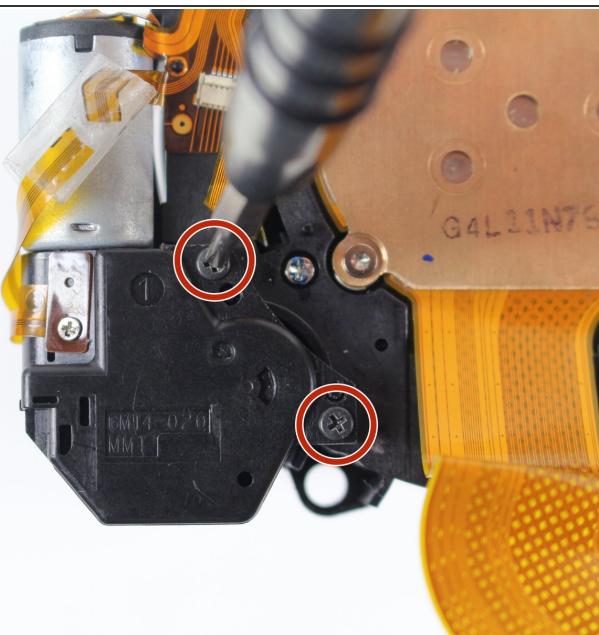
## Step 16



! In this step you will unhook an electronic ribbon. Be careful when moving the ribbon, since it tears easily.

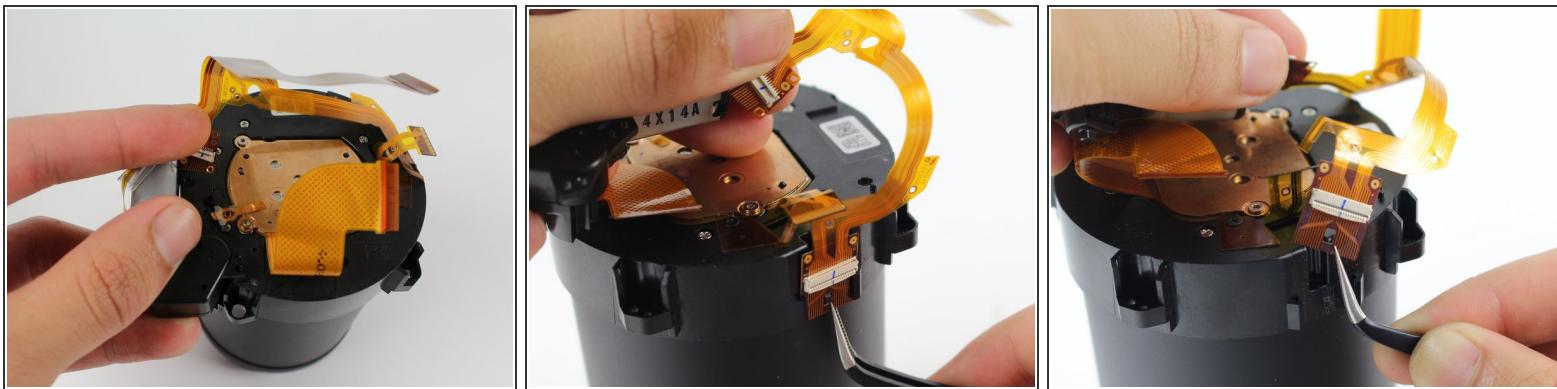
- Use tweezers to unhook from its three pegs the electronic ribbon between the lens and the metal cylinder.

## Step 17



- Remove the two 5.0 mm Phillips #00 screws near the lens on top of the aperture motor.

## Step 18



**⚠** In this step you will move an electronic ribbon. Be careful when working with any piece of the ribbon, since it tears easily.

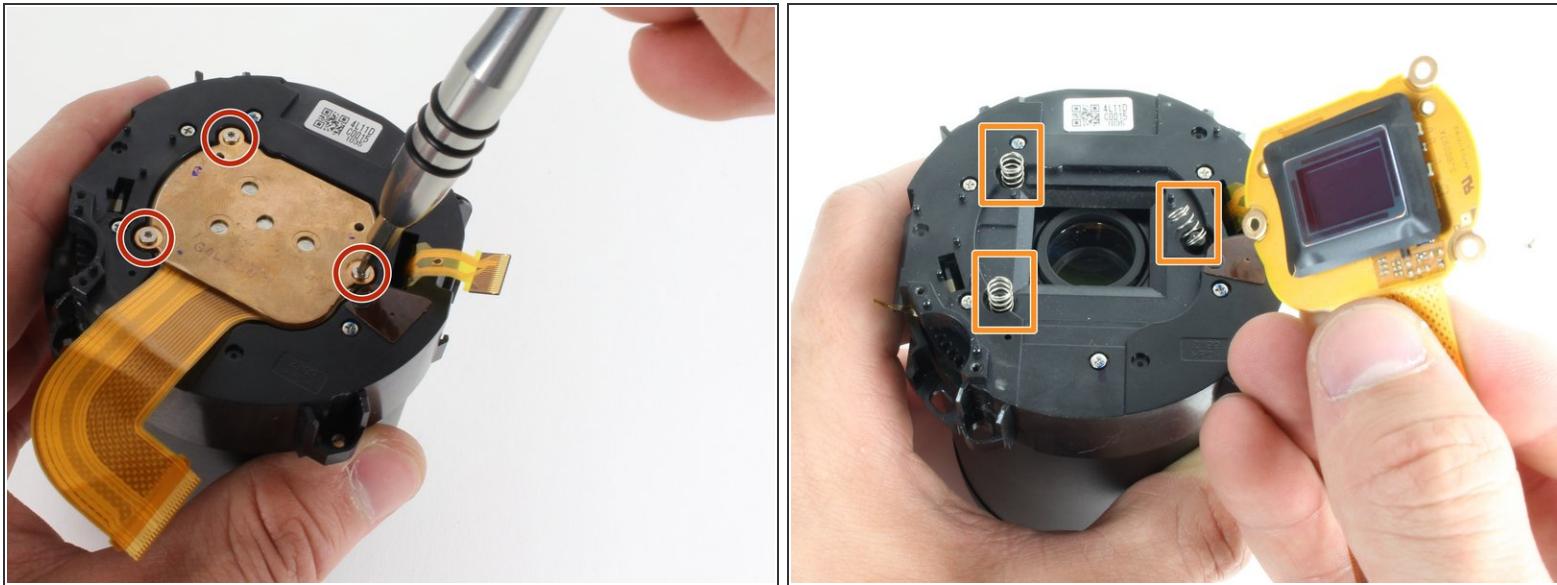
- Carefully unhook the aperture motor from its two pegs and slowly move it towards the opposite side of the lens.
- While holding on to the aperture motor, very carefully use tweezers to unclip the electronic ribbon on the side of the lens.

## Step 19



- Set aside the aperture motor.

## Step 20



**⚠** Keep the front of the lens face down. There are springs between the sensor and the lens which may fall out.

- Remove the three 4.0 mm Torx T5 screws attaching the sensor to the lens.
- Pull out the sensor.
- Pull out the three springs on top of the lens.

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