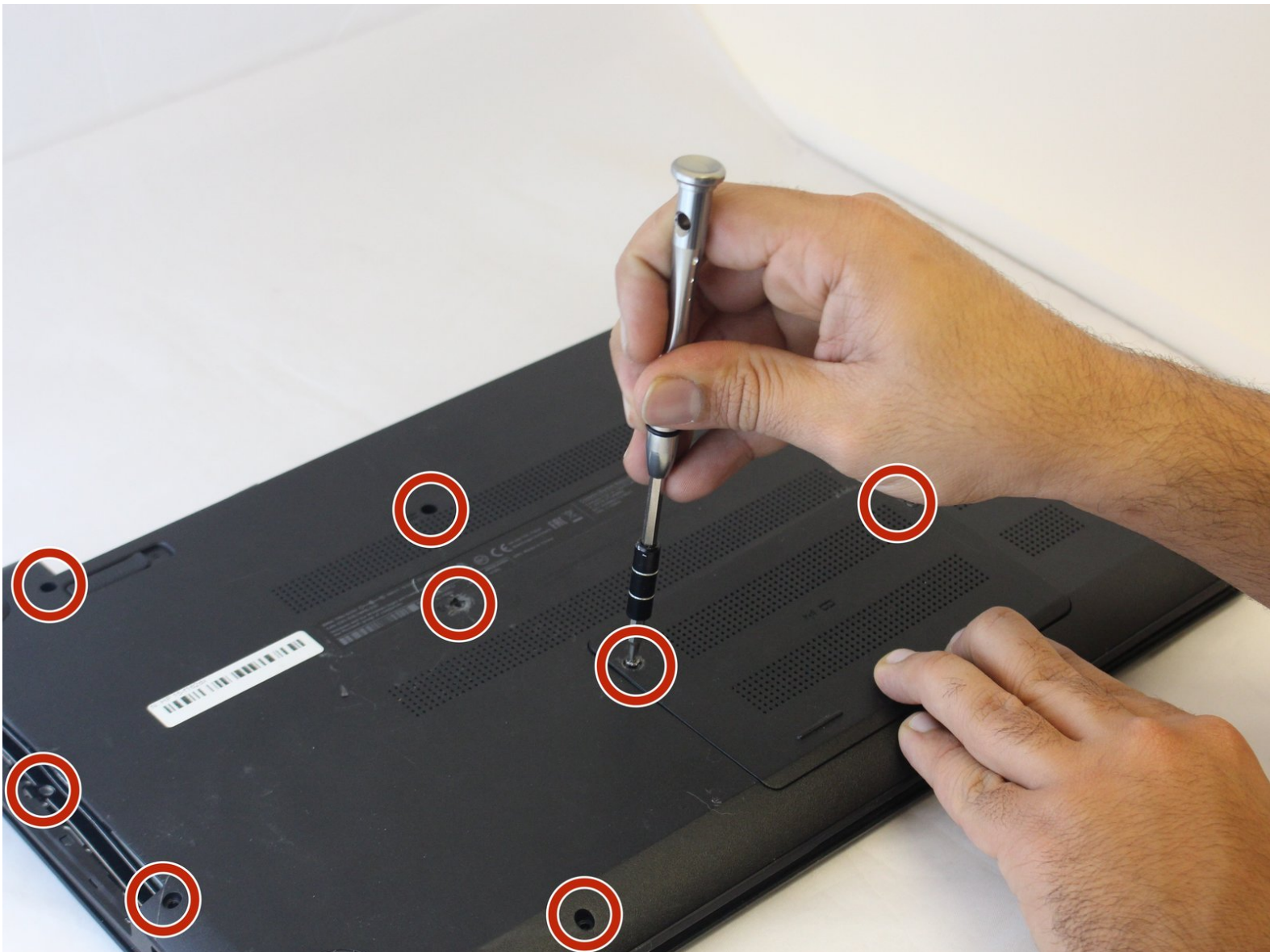




# HP 15-f162dx Motherboard Replacement

This guide will help you replace the motherboard in the HP 15-f162dx.

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## INTRODUCTION

Technical problems with a motherboard, caused by improper handling, humidity, power supply spikes, or many other reasons, can lead to a great deal of deterioration of user experience. This guide will help you understand the process of replacing the motherboard on the HP 15-f162dx laptop.

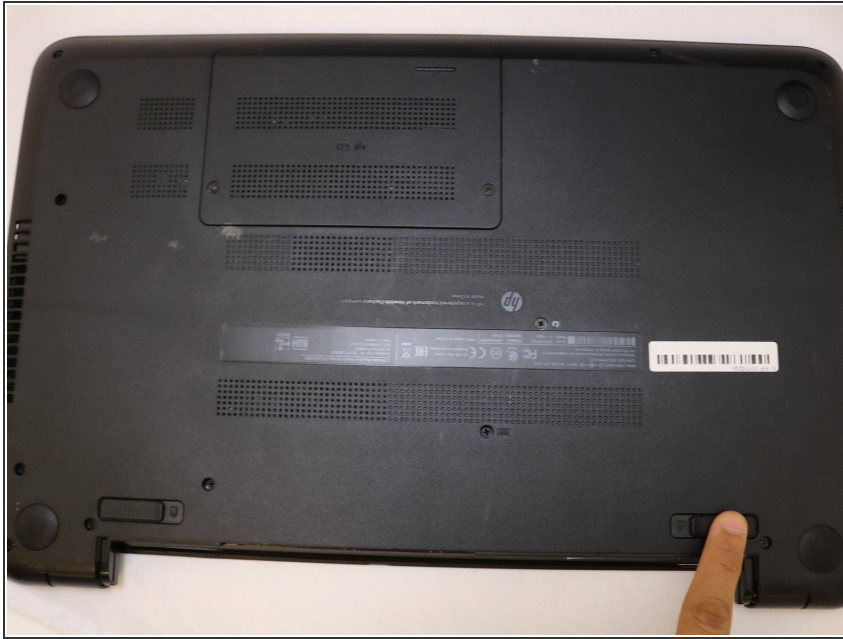
Before the start of the replacement process, make sure to disconnect the laptop from its power supply and place the device on a flat work surface with plenty of space around it to avoid mishandling the delicate components.

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### TOOLS:

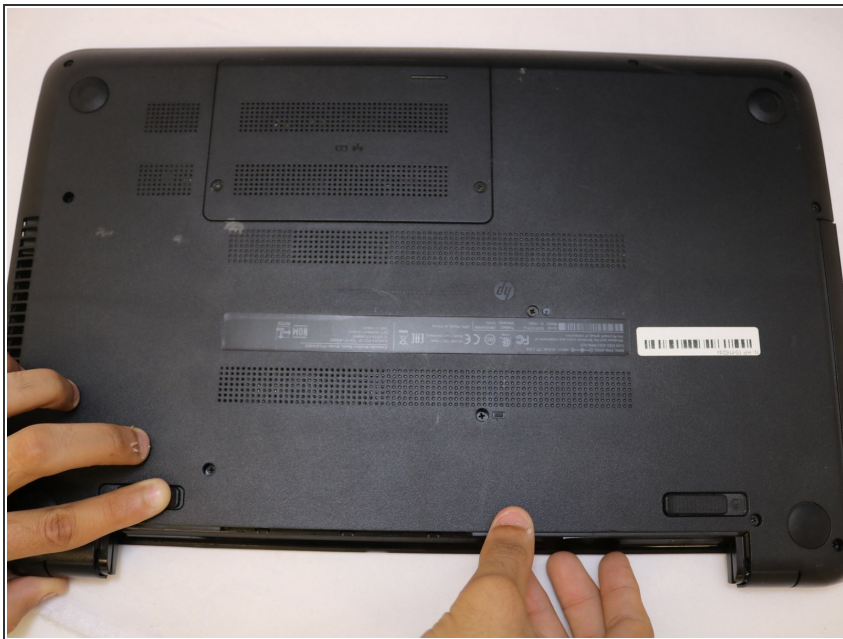
- [Fingers](#) (1)
  - [Essential Electronics Toolkit](#) (1)
  - [Metal Spudger](#) (1)
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## Step 1 — Battery



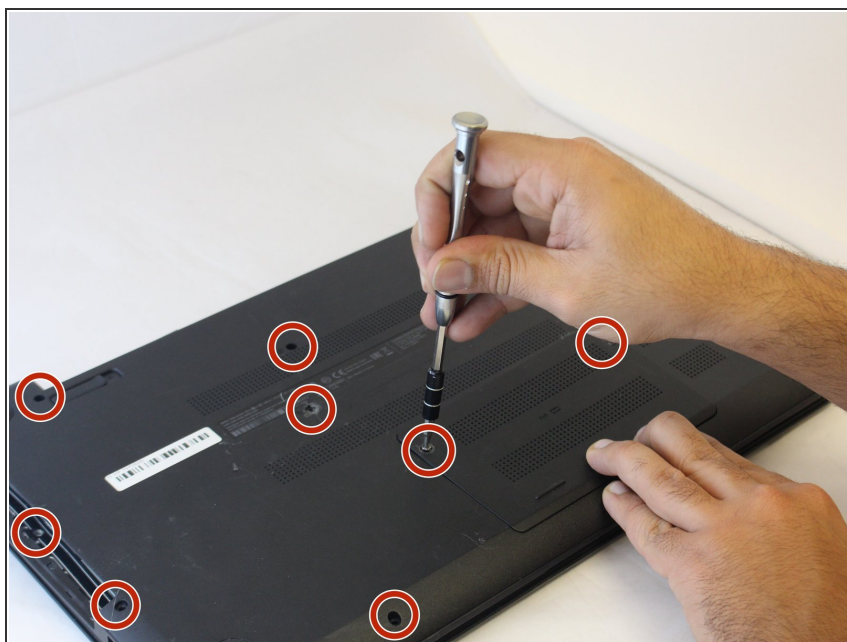
- Pull back the lock.

## Step 2



- Take off the battery

## Step 3 — Motherboard



- Use a Flathead 2.5 mm Phillips screwdriver to remove all of the screws on the backside of the laptop.
- There are 14 screws on the back plate in total, make sure to remove them all before proceeding.
- ⚠ Apply gentle pressure when undoing the screws to preserve the condition of screw heads for future repairs or servicing.



## Step 4



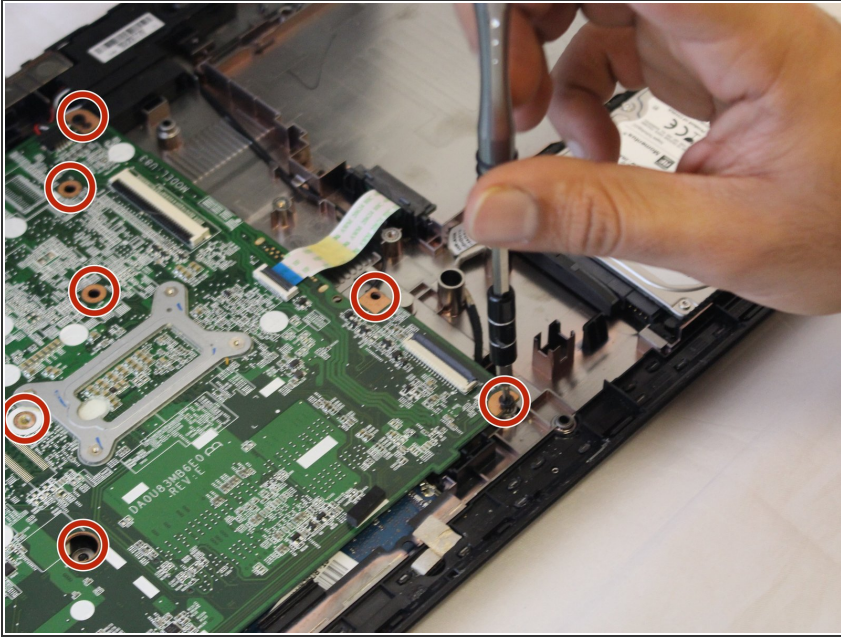
- Once all screws have been removed , place the laptop on a flat surface and insert a metal spudger in a gap between the top side coverings.
- Once inserted, move the spudger around the base, lifting the top edge about quarter of an inch. Gently go around the edge repeating the action.
- ⓘ The sharp popping sound that the latches on the inside will produce is normal and does not signify anything being broken.
- ⚠ While some force will be required in this step, make sure not to over-apply pressure since extra force might break the plastic latches.

## Step 5



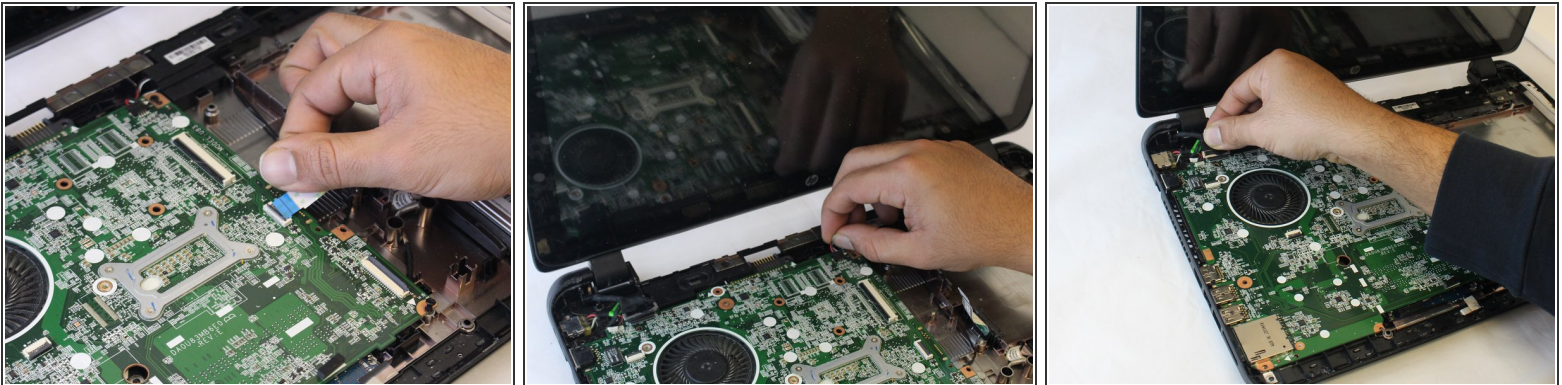
- After all of the inside latches have been dislodged, remove the front cover. Now is a good time to clean the dust that collects in the device after prolonged use.

## Step 6



- Use Phillips JIS J00 screwdriver to undo the screws that attach the motherboard to the back cover.
- Again, make sure to apply only a gentle pressure when undoing the screws.
- ⚠ Be very careful: If the metal head of the screwdriver slips during the process, it can damage the motherboard. While not relevant in case of removing a broken motherboard, it is crucial while putting in a new one.

## Step 7



- Locate and disconnect the wires that are connected to the motherboard.
- ⚠ Do not use any kind of metal instrument to assist you in this process since it can damage the contacts of the wires.
- Instead, you can use a credit card or a plastic spudger included in the Essential Electronics Toolkit.

## Step 8



- After the wires have been disconnected, gently lift the motherboard out of the laptop.

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