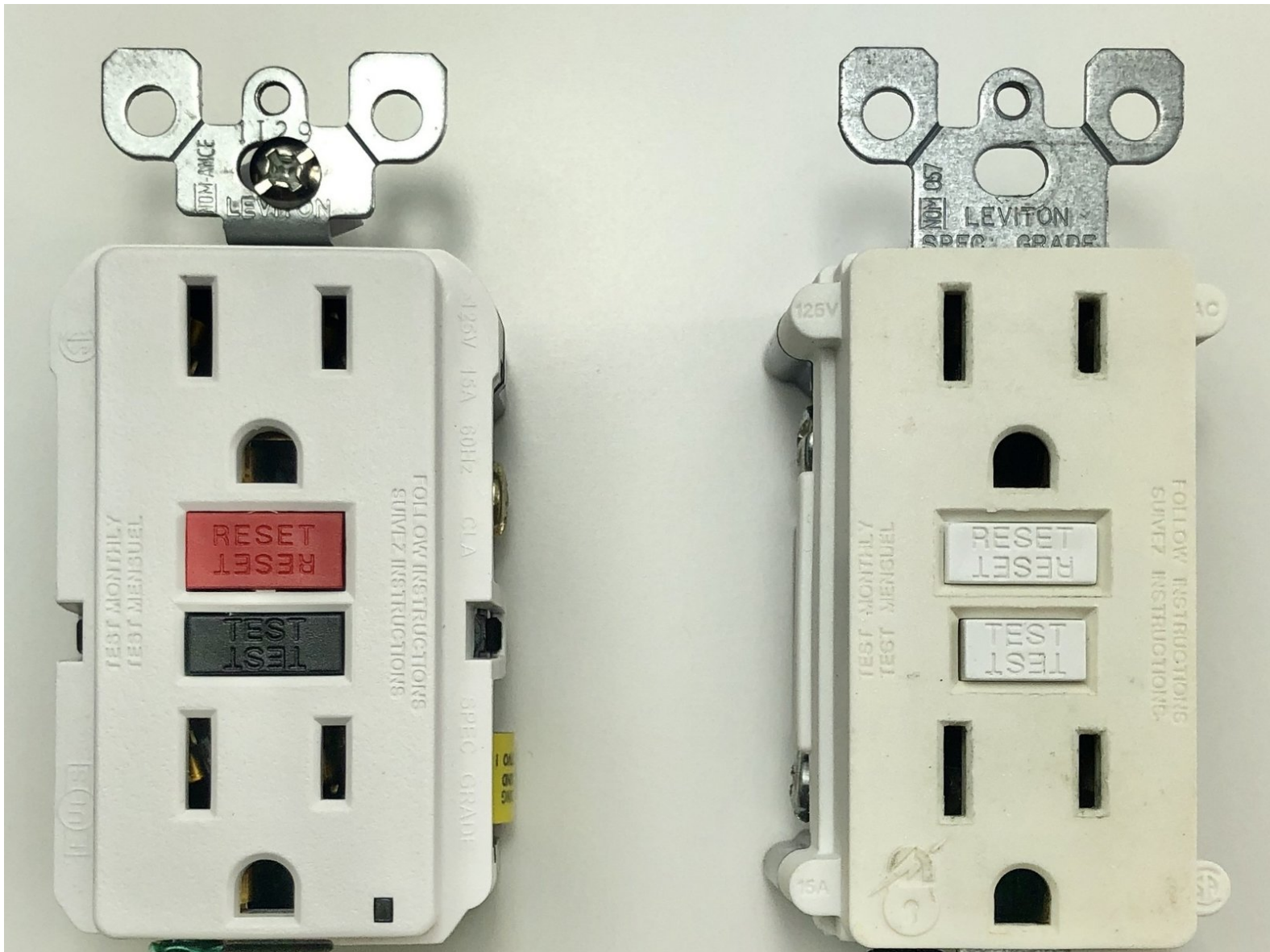




# GFCI Outlet Replacement

The National Electrical Code and National Fire...

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## INTRODUCTION

The National Electrical Code and National Fire Protection Association requires that proper GFCI outlet receptacles need to be installed in places that have the danger of wetting the electronics (3'-6' from source of the water). However, these receptacles were not widely installed in the buildings until the late 1990s. We believe this guide is necessary because it is a low-cost and effective repair that one can do. Electrical services can be expensive, but with our guide at your fingertips, you won't need to call the property landlord or an electric company. Outlets are one of the most important features in any and every building. The guide will provide an easy 20 minutes steps that will make you safe from electrical shock and feel like an expert electrician.

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### TOOLS:

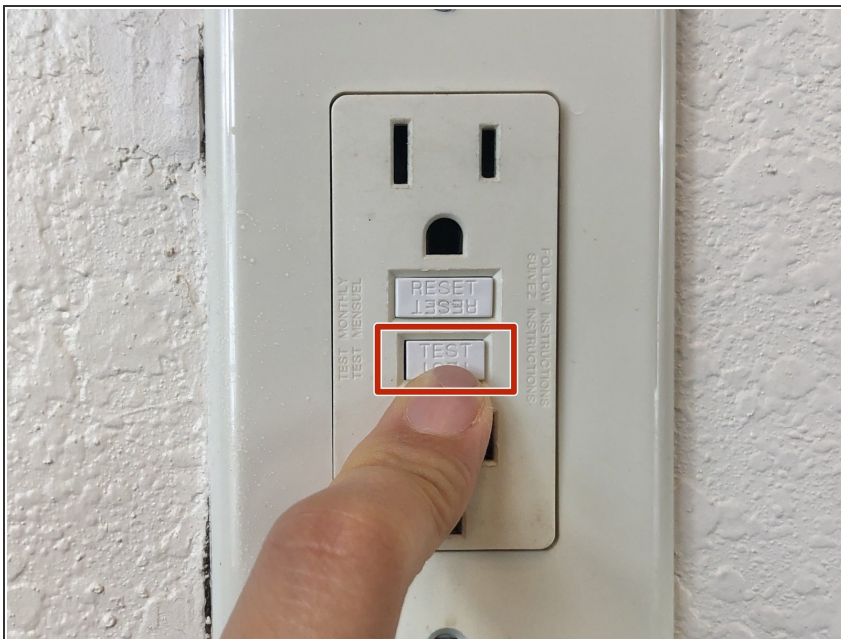
- [Phillips #1 Screwdriver](#) (1)  
(+) Shape
  - [2 Flathead Screwdriver](#) (1)  
(-) Shape
  - [GFCI Outlet Tester](#) (1)
-

## Step 1 — GFCI Outlet



- Find the breaker box and switch off the breaker that is labelled "GFCI receptacle"
- ❗ If not sure, switch off all breakers.

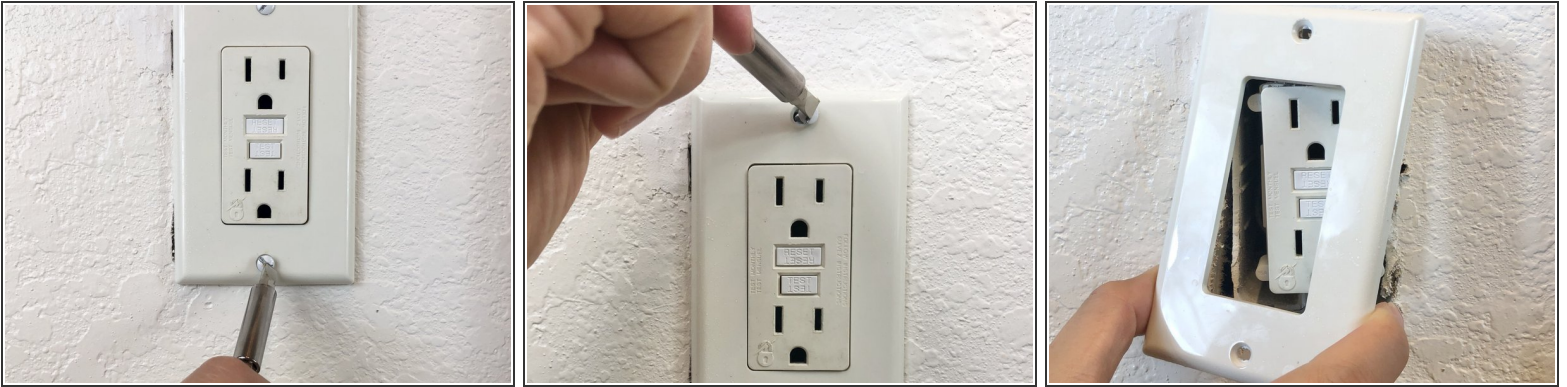
## Step 2



- Push the "Test" button once.



### Step 3



- Using #2 flat-head screwdriver, remove the outlet cover by unscrewing the top and bottom screw.

### Step 4



- Using #2 flat-head screwdriver, unscrew the top and bottom screws holding the outlet onto the wall.

## Step 5



- Pull the outlet out from the interior outlet box, exposing the wires that are inside the electrical box.

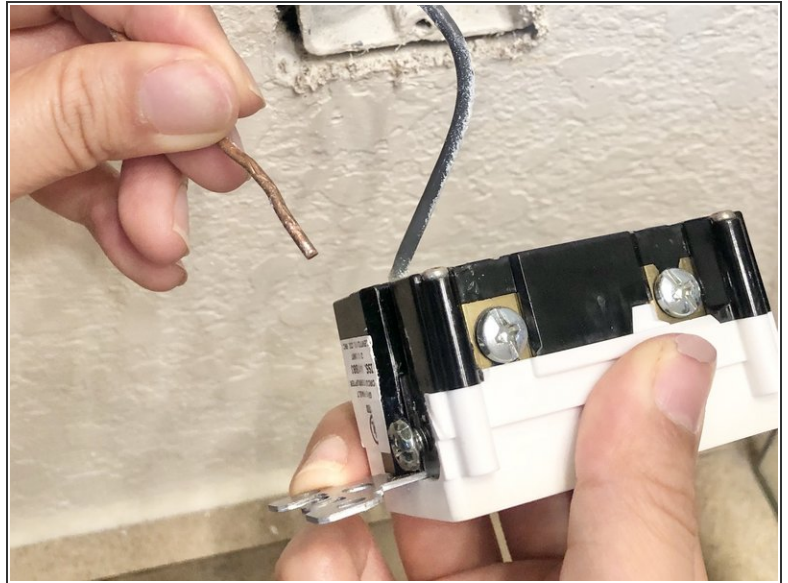
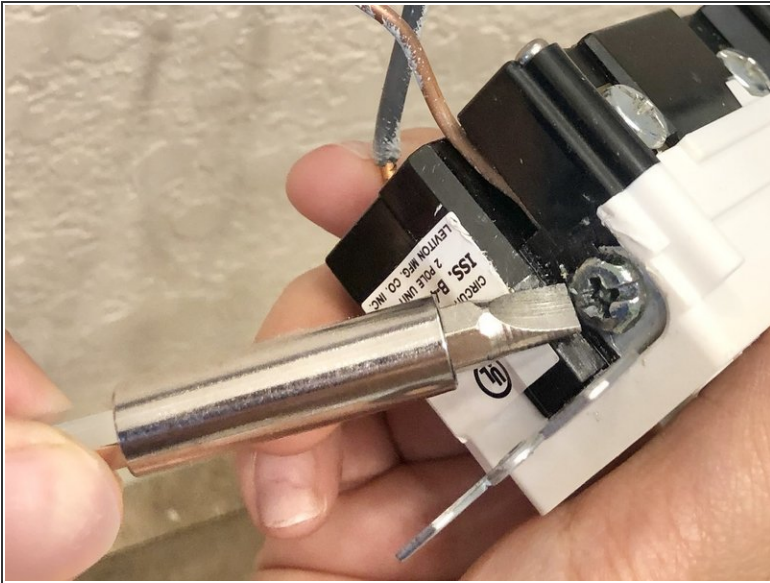
## Step 6



- Remove the 5mm Phillips #1 screw for the white wire (neutral wire) and free the wire from outlet.
- ⓘ The white wire (neutral wire) is typically located on the left side of the outlet.

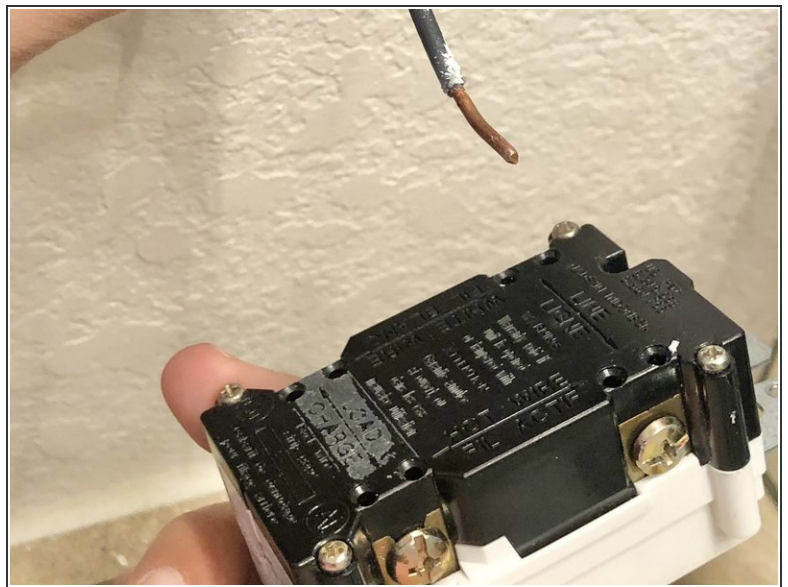


## Step 7



- Remove the 5mm Phillips #1 screw for the copper wire (ground wire) and free it from the outlet
- ⓘ The copper wire (ground wire) is typically located on the bottom of the outlet.

## Step 8



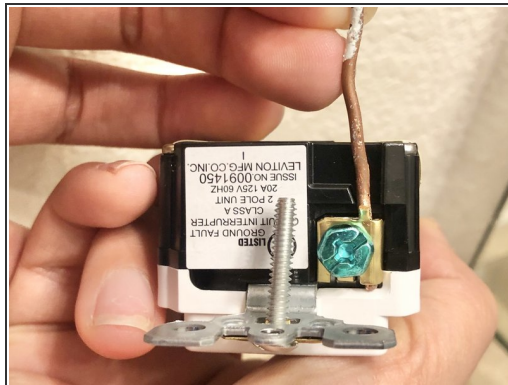
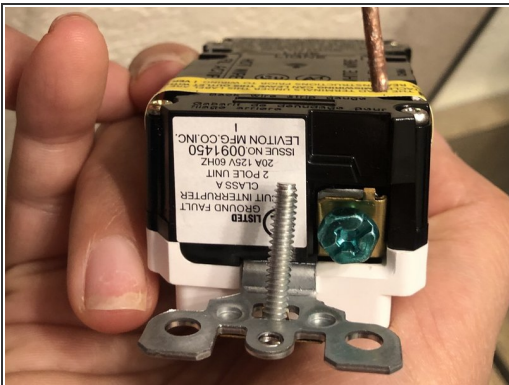
- Remove the 5mm Phillips #1 screw for the grey wire (hot wire) and free it from the outlet.
- The grey wire (hot wire) is typically located on right side of the outlet.

## Step 9



- Push the "TEST" button on the new outlet.

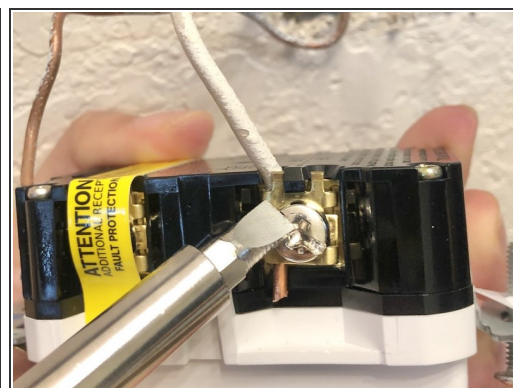
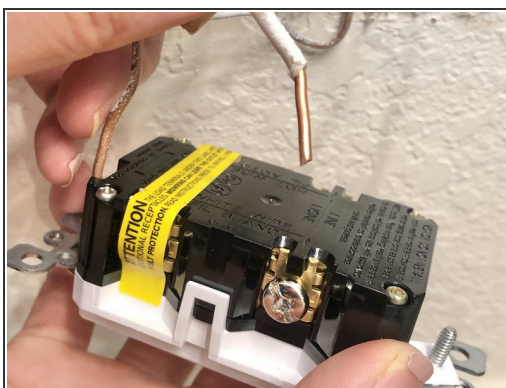
## Step 10



- Retrieve the copper wire (ground wire) and slip it into the copper hole which is attached with the green screw located bottom of the outlet.
- Tighten the screw down with flat-head screwdriver.
- ⓘ Make sure to use the original equipped screws that come with the new GCIF outlet.



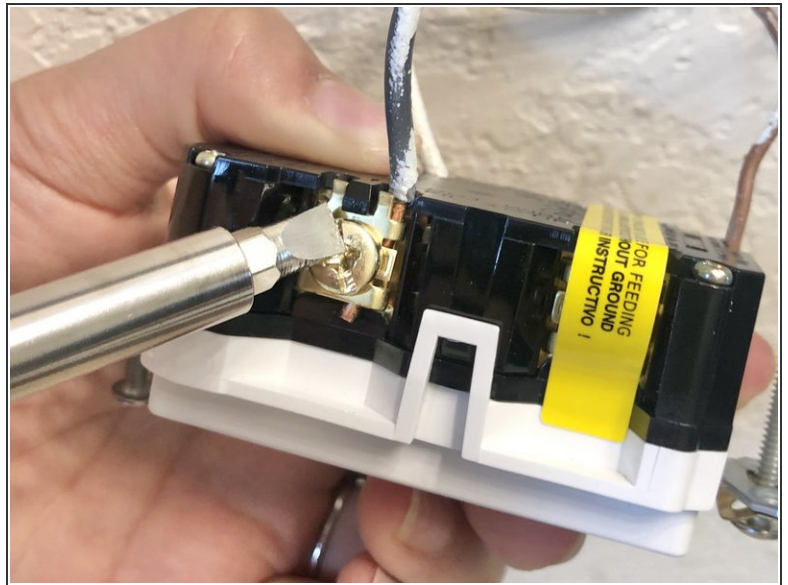
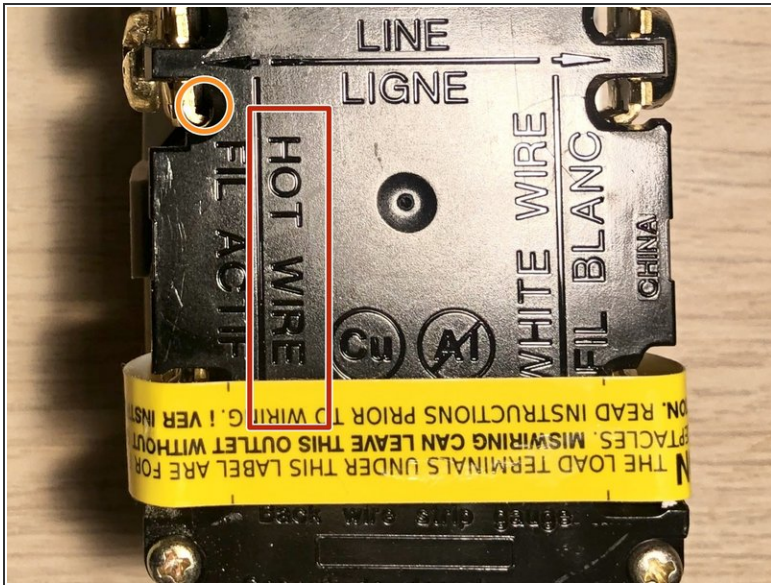
## Step 11



- Locate a hole that is labeled white wire.
- Slip in the white wire (neutral wire) into the hole located on left side of the outlet.
- Tighten the screw down
- ⓘ The white wire (neutral wire) is typically located on left side of the outlet.
- ⓘ If there are two holes available, use the bottom hole.



## Step 12



- Locate a hole that is "HOT WIRE".
- Slip in the grey wire (hot wire) into the hole located right side of the outlet.
- Tighten the screw down.
- ⓘ If there are two holes available, use the bottom hole.

## Step 13



- Push the outlet and wires back into the wall.

## Step 14



- Tighten the screws on the top and bottom tabs, positioning the outlet so that it is vertically straight.
- ⓘ Make sure to use the original equipped screws that come with the new GFCI outlet.



## Step 15



- Install the outlet cover by tighten the top and bottom screws.

## Step 16



- Turn on all the breakers that you turned off in step 1.

## Step 17



- Push in the "RESET" button until you hear "click" sound.
- ❗ If no "click" sound, check and make sure that the correct breaker is switched to on position.
- ❗ If still not getting "click" sound, start over from step 1 and make sure all three wires are inserted fully into the correct holes.

## Step 18



- Plug in the circuit tester into one of the plug.
- Two yellow led lights will light up if the new outlet is installed correctly.
- ❗ If two yellow LED lights does not light up, go back to step 1 and make sure the wires are fully inserted in the correct spots.



## Step 19



- Congratulations, enjoy your functional GFCI outlet receptacle!

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