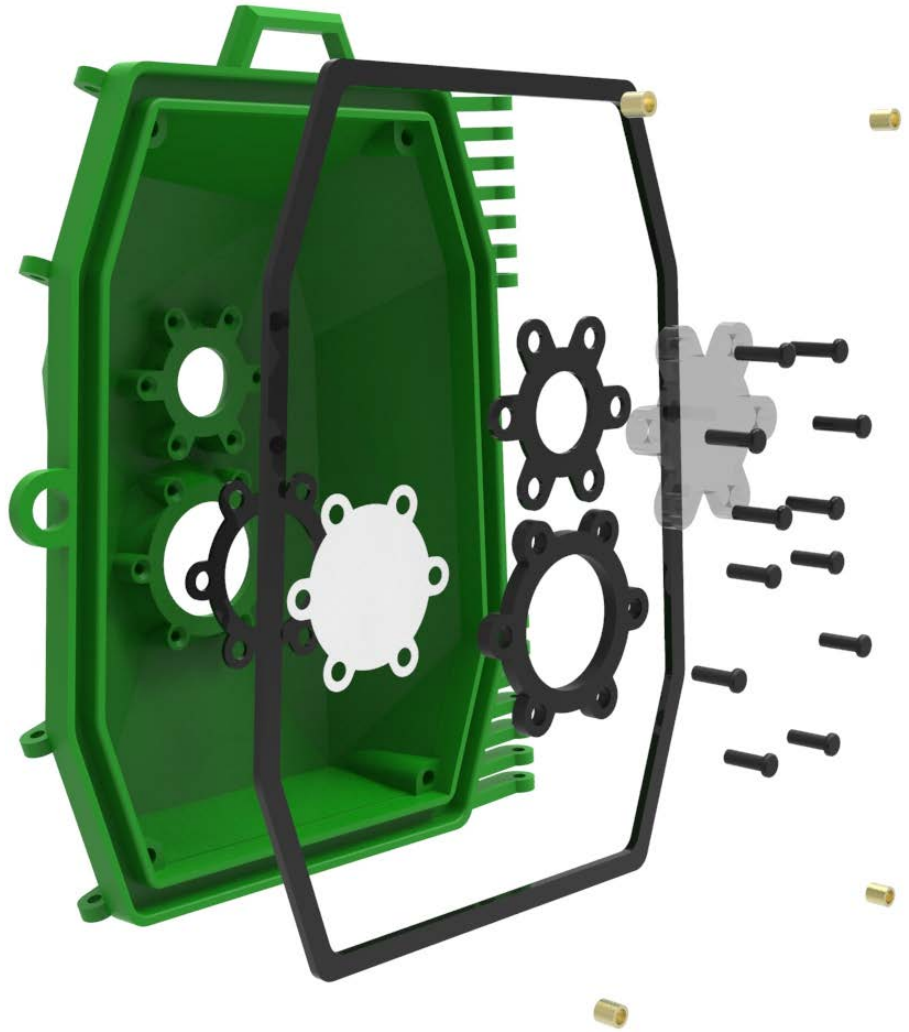
Naturebytes **Maker** Kit **Guide**

For the Wildlife Cam Kit Assembly Guide visit our resources page:
http://naturebytes.org/wildlife-cam-kit-resources

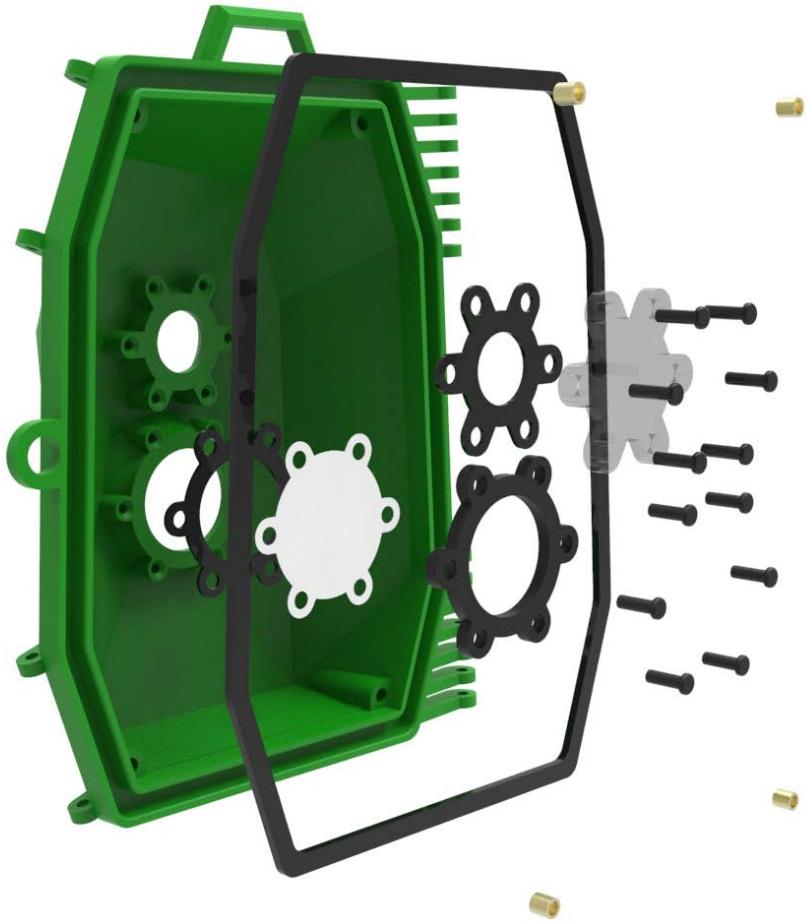


About your kit and this guide

This guide will take you through the assembly process and all you need to know to get started with your Naturebytes Wildlife Cam Kit. Use the images and read the description carefully to help you through each step. Let's go!

Watch out for these: ⚠

The caution symbols help you identify areas where you need to pay particular attention.



What Is the Naturebytes Wildlife Cam Kit?

The Naturebytes Wildlife Cam Kit is a wildlife camera that anyone can build to take stealthy high definition images of wildlife.

Beginner, expert, wildlife enthusiast or hacker, the Raspberry Pi powered kit is a fun way to develop your digital making skills and an exciting new insight into the natural world.

3D printing your kit

You will first need to print the case. The files are ready for download here:

http://www.naturebytes.org/downloads/naturebytes_wildlife_cam_kit_STL_v1.zip

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Dependant on which 3d printing process you use, your 3d printed camera trap will not be waterproof. In order to make it weatherproof you will have to include a post processing process such as applying a waterproofing varnish.

Parts to Print

Front x 1

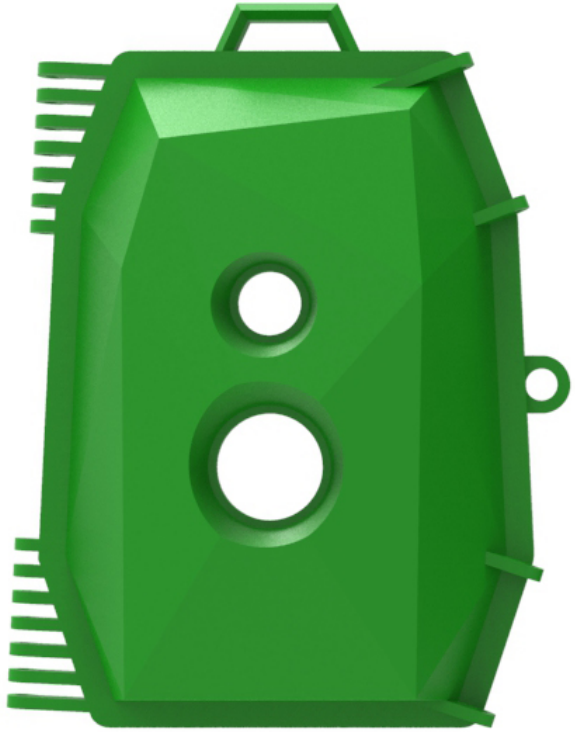
Back x 1

Insert x 1

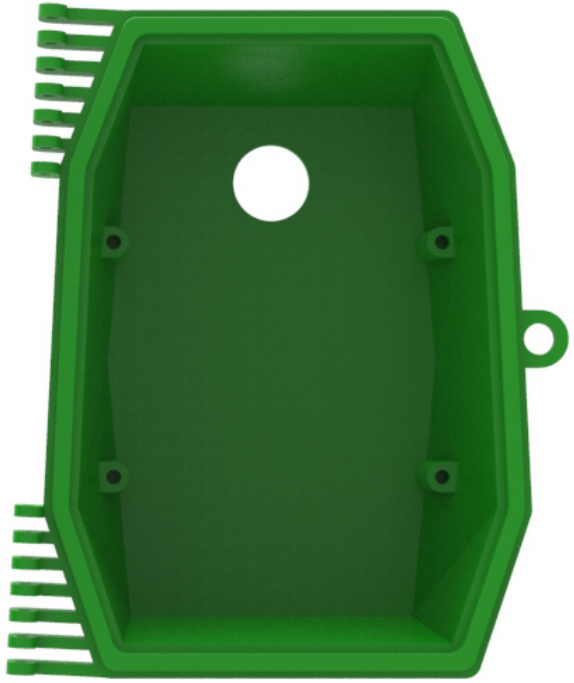
Clips x 2

Pir cover x 1

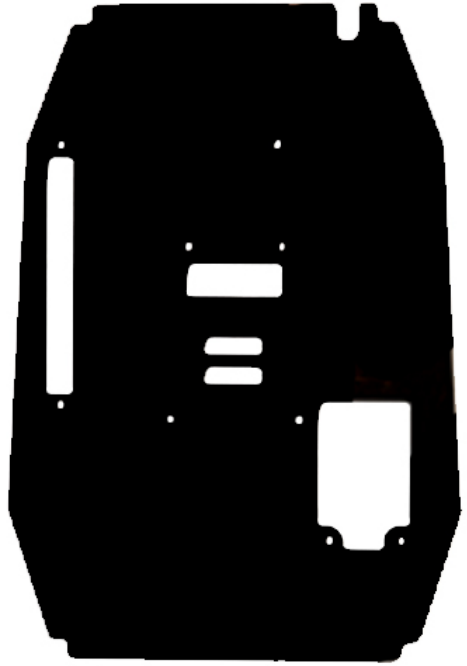
Battery Holder



Front



Back



Insert

Clips

PIR Cover

Battery Holder

Makerkit **Parts**

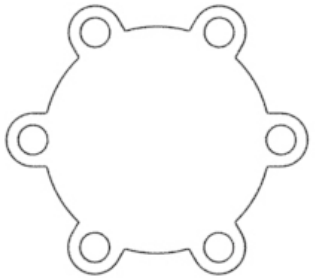
Check that you have the following components in your box.

Pins

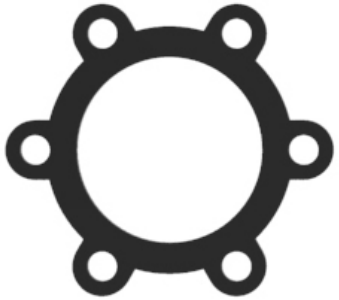
Rubber Grommet

Lens

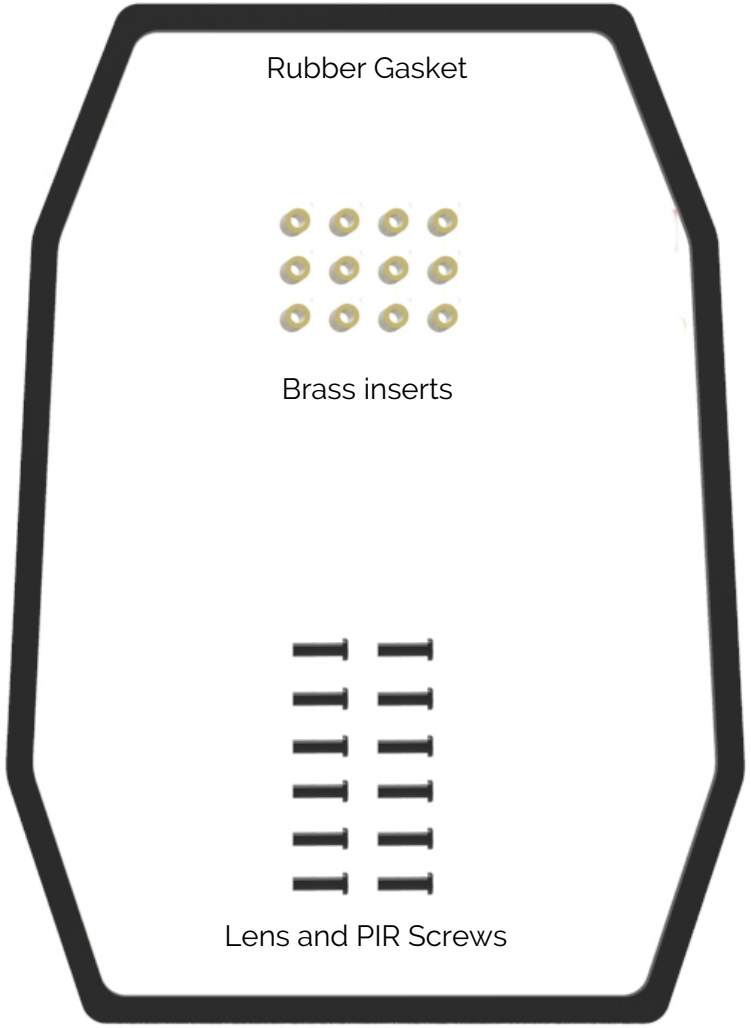
Rubber Gasket Lens



PIR Fresnel Cover



Rubber Gasket PIR

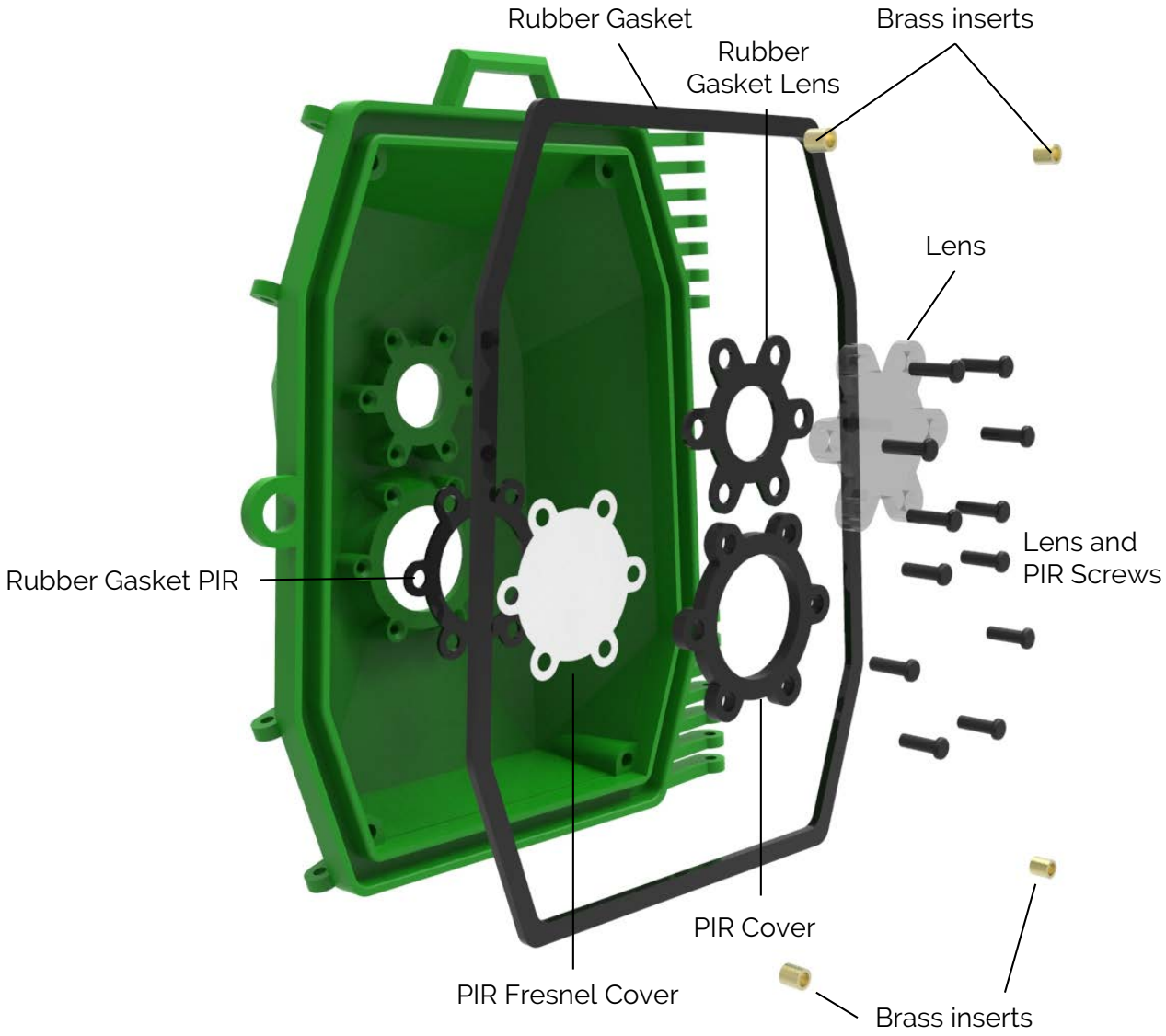


Tip – Brass **Inserts**

A great solution for inserting the brass inserts is to use a soldering iron. Heat them up by placing them on the tip of your iron and push them into the insert spaces as seen below when adequately warm (and so contracted slightly)..

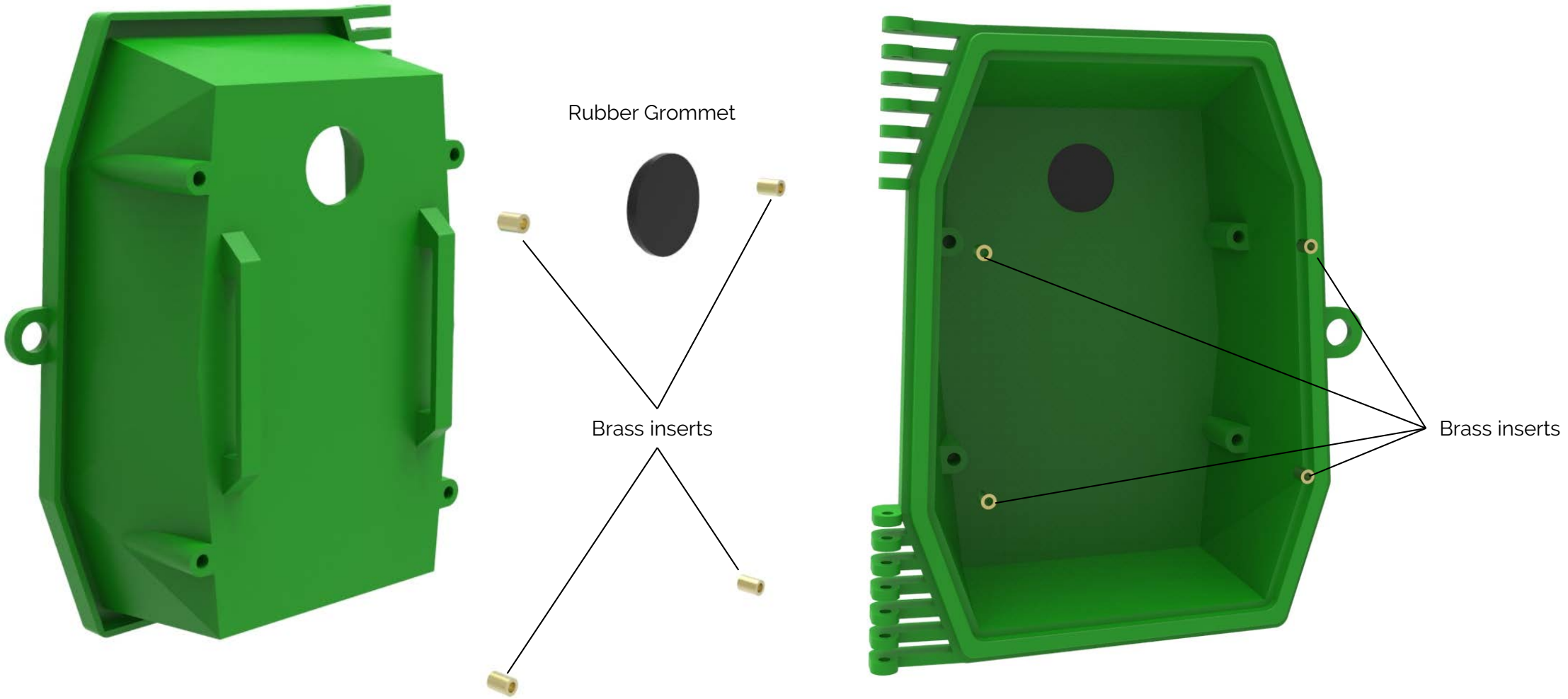
3D printing **the** kit

Front



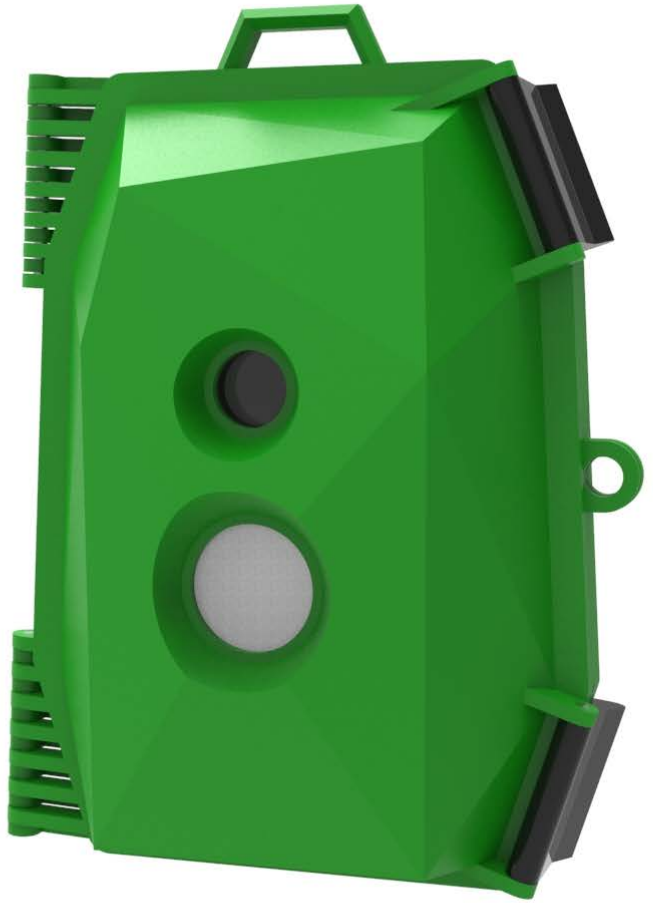
3D printing **the** kit

Back



Pins

Complete



3D printing **the** kit - complete

Front

Back

Additional soldering required

The supplied Adafruit 500 C Powerboost requires soldering.. Instructions are available on Adafruit's website.

https://www.adafruit.com/product/1944

We don't advise soldering on the switch directly – instead, you should follow the wiring guide here and remote the switch if possible using two short wires soldered to the board.

https://learn.adafruit.com/raspberry-pi-wearable-time-lapse-camera/wiring