



# Bugaboo Cameleon 1 and 3 Brake Handle Replacement

The brake handle makes sure your handle stays on the right height. This guide helps you replace the broken handle of your Bugaboo, with a 3D printed part.

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## INTRODUCTION

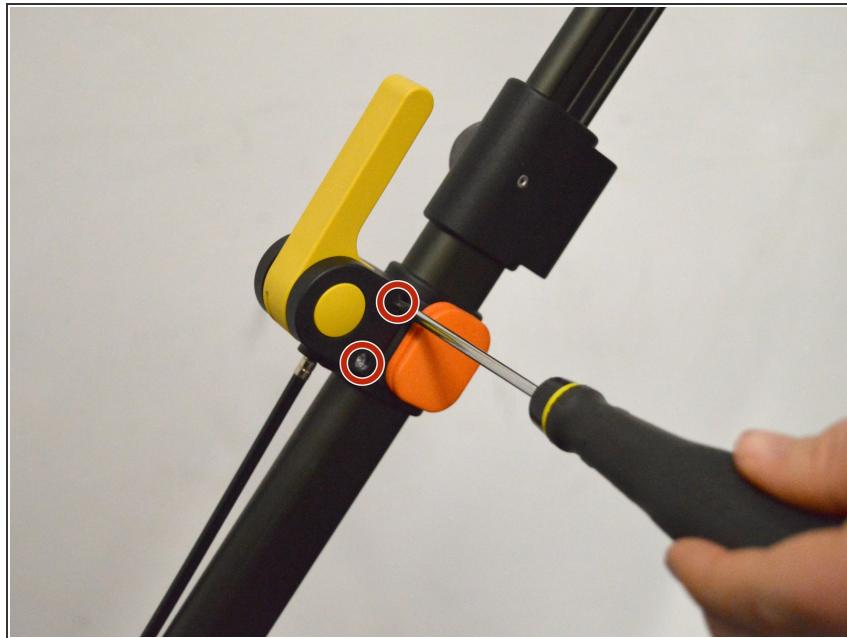
This guide is created by five students of the TU Delft, Pieter, Mansour, Yvo, Suzanne and Rebecca, to make older models of Bugaboo strollers more repairable if spare parts are no longer available. The Bugaboo frames are very durable, and often outlive the period in which spare parts are available for order.

Parts that most often break were 3D-modeled, and the files were used to print new parts with a performance that is acceptable and safe according to Bugaboo requirements.

## TOOLS:

- [T15 Torx Screwdriver](#) (1)
- [Flathead Screwdriver](#) (1)

## Step 1 — Brake Handle



- Remove both screws on the inner side of the black plastic part, connecting the brake to the frame.

 Make sure not to lose the screws, since you will need them for the reassembly

## Step 2



- Remove the left piece that is holding the brake handle.

## Step 3



- Pull the brake line down and take the brake handle out of the black plastic part.

## Step 4



- Take the brake cable out of the groove in the brake handle.

## Step 5



- Pry the inside part out of the brake with a flat screwdriver.

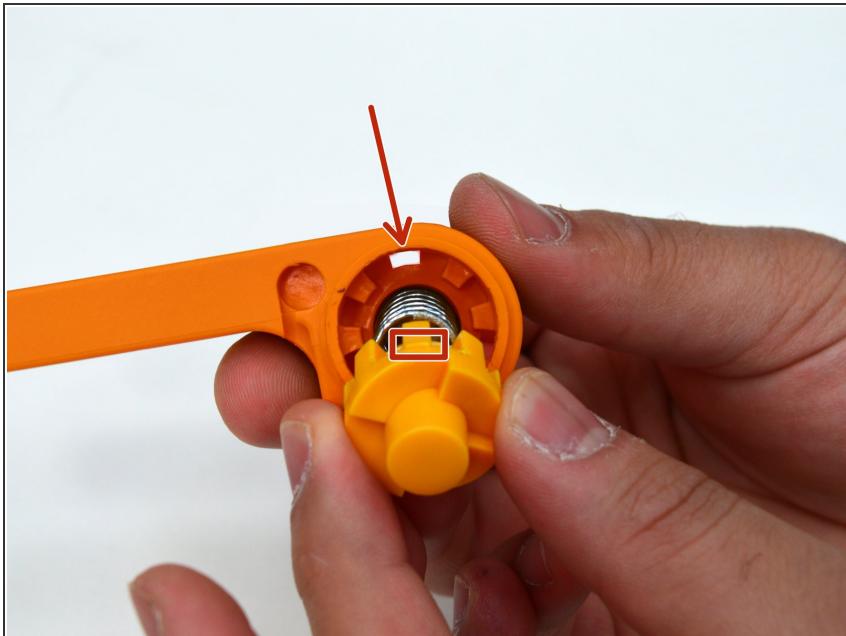
**⚠** Inside the brakes resides a spring. This can cause the part to fly out of the brake handle when the inner part is not clamped anymore.

## Step 6



- Put the spring into the replacement brake handle.

## Step 7



- Insert the inner piece of the brake handle into the replacement part. You have to align the small projection on the inner piece with the hole of the brake handle.
- Use force until the inner piece is clamped into the brake handle.

## Step 8



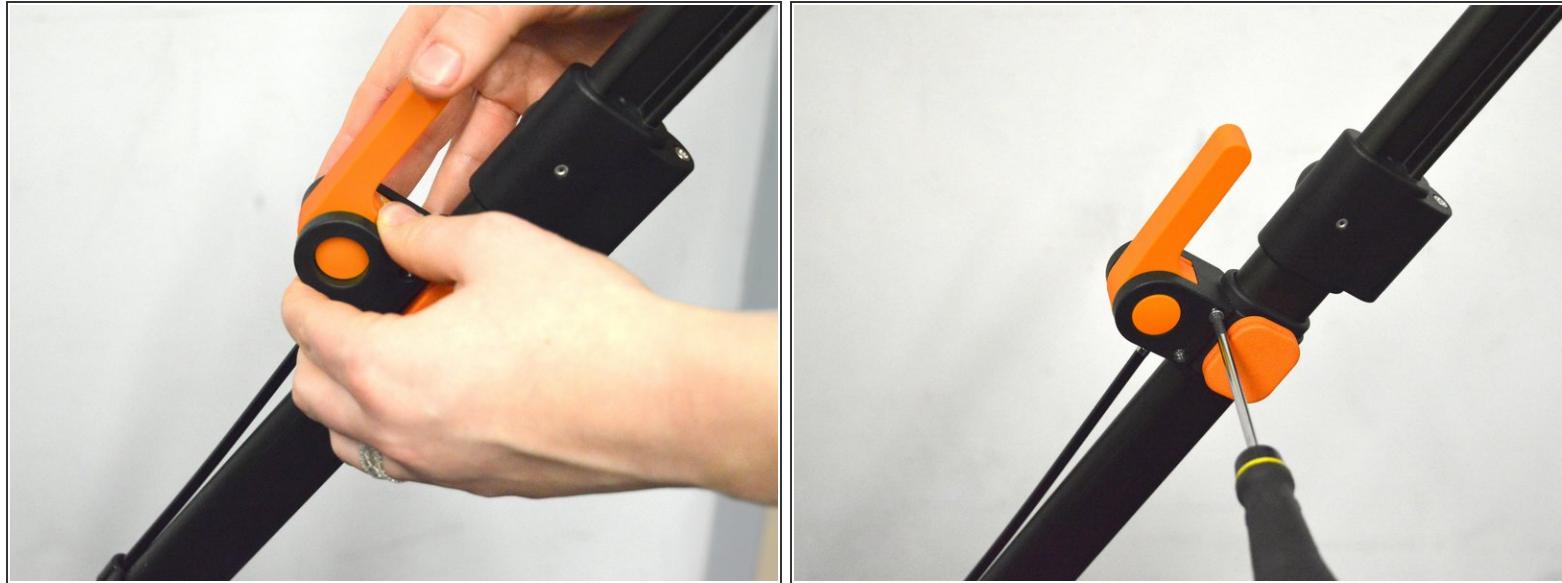
- Insert the brake cable back into the brake handle.
- *i* The picture shows the brake handle without the inner parts inserted. This is not correct and you should first insert the inner pieces as shown in the previous steps before starting with this step.

## Step 9



- Insert the brake handle back into the frame.

## Step 10



- Insert the black inner piece onto the brake handle.
- Screw the screws back into the frame using the Torx screwdriver.

## Step 11



- Enjoy your new brake handle!