



Bugaboo Cameleon 1 and 3 Swivel Wheel Lock Replacement

This guide will help you repair the broken lock from the two swivel wheels from your Bugaboo stroller with a 3D printed replacement part.

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INTRODUCTION

The swivel wheel lock locks the swivel wheels to the frame. If the part breaks, it can easily be replaced by a 3D printed part to make the stroller fully functioning again.

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:

- [T20 Torx Screwdriver](#) (1)
- [Flathead Screwdriver](#) (1)



PARTS:

- [Swivel Wheel Lock](#) (1)

Step 1 — Detach the seat from the frame



- Push both the white square buttons under the seat at the same time, to remove the seat from the frame.

Step 2



- Put the frame with the handle on the ground like shown in the picture, to have better access to the swivel wheels.

Step 3 — Detach swivel wheel



- Press the button above the swivel wheel, and pull out the swivel wheel

Step 4 — Remove screws



- Remove the two screws on the black cylinder on the bottom with the Torx screwdriver.
- Make sure not to lose the screws, since you need them for the reassembly later.

Step 5



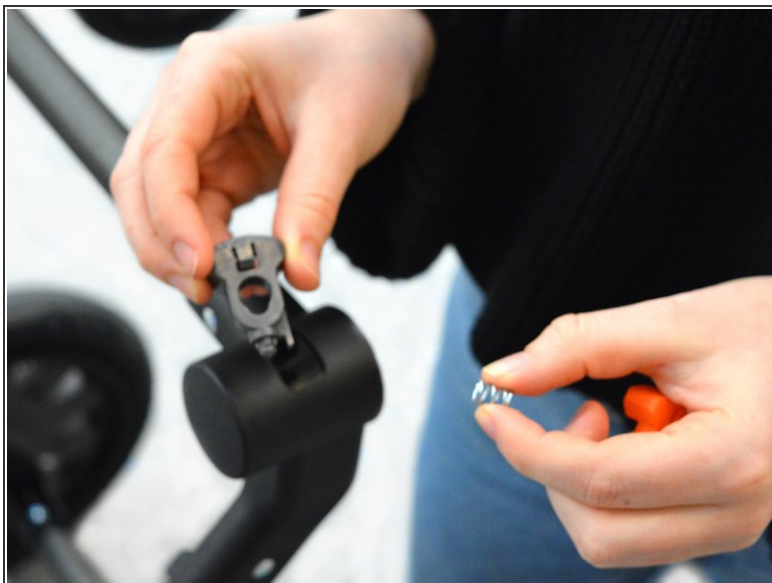
- Remove the bottom part of the cylinder. You can use your screwdriver to pull it out.

Step 6 — Remove old part



- Push the old button, and place the flathead screwdriver behind the button
- Push the button down and towards the opening of the cylinder.
- Take out the wheel lock button and the spring, and make sure not to lose the spring.

Step 7 — Attaching the new part



- Pull the spring from the old part.
- Attach it to pin on the new swivel wheel lock.

Step 8 — Placing the new part in the stroller



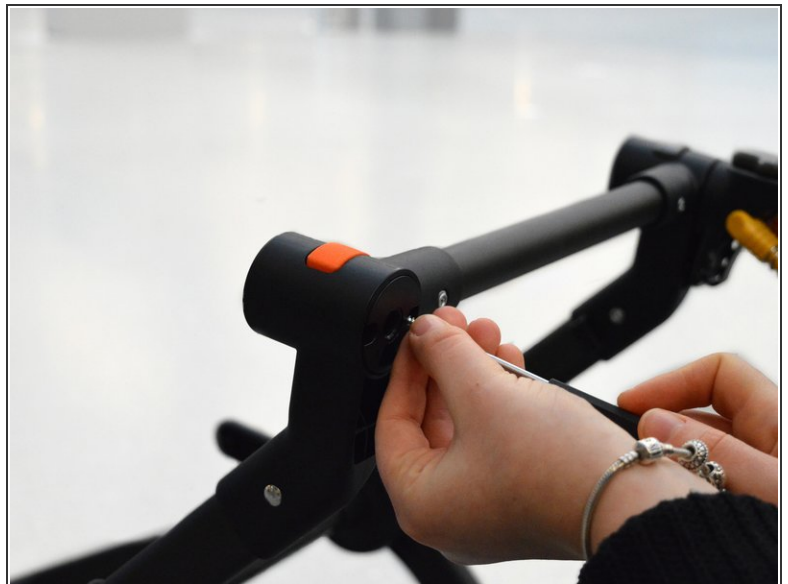
- Put the new part with the spring back inside the cylinder, in the orientation shown in the picture.

Step 9 — Reassembling



- Place the inner black cylinder back into the outer cylinder.

Step 10 — Securing the part



- Use the two screws and the Torx screwdriver to secure the parts.

Step 11 — Attach the wheel



- Click the wheel back onto the frame.

Step 12 — Put the stroller the right side up.



- The repair is now finished. Flip the frame back onto four wheels.
- Place the seat back onto the frame.