



Parrot Bebop Drone Rubber Shock Absorbers Replacement

This guide will teach you how to properly remove and replace the Rubber Shock Absorbers on the Parrot Bebop Drone.

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INTRODUCTION

This guide instructs you to detach the main frame from the motherboard; this is intended to allow you access to the Shock Absorbers and prevent damage to the antenna or other motherboard cables. In order to remove the Shock Absorbers, the Battery, Nose and Propellers will have to be removed first.

[video: https://www.youtube.com/watch?v=_M3DZ7X-RCg]



TOOLS:

- [T5 Torx Screwdriver](#) (1)
- [iFixit Tech Knife](#) (1)
- [iFixit Opening Tools](#) (1)
- [Tweezers](#) (1)
- [Pro Tech Toolkit](#) (1)

150 mm Flex Extension

Step 1 — Battery



- Begin by removing the velcro strap around the battery.

Step 2



- While holding onto the nose, gently pull the battery away from the nose.

Step 3



- Once the battery is separated from the nose, push down on the connector and pull the battery away from the connector.

Step 4 — Styrofoam Nose



- Remove the two 7mm T5 torx screws using a screwdriver. There is one located on each side.

Step 5



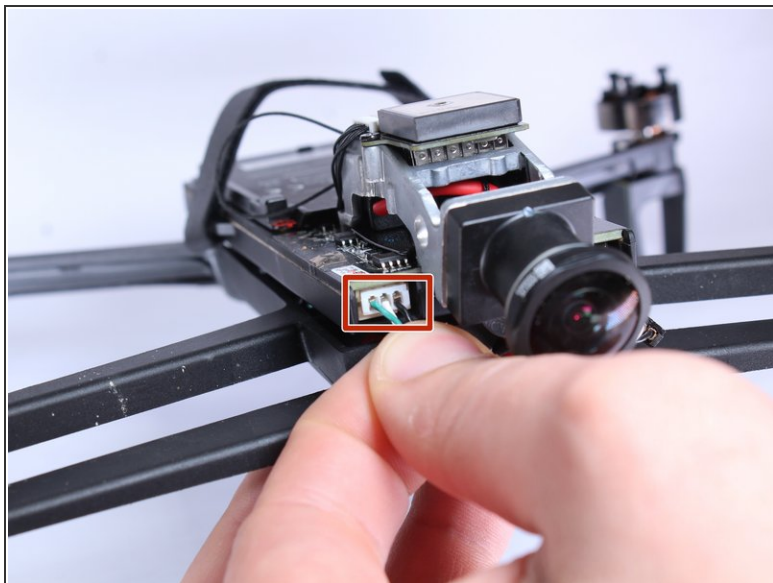
- Take the metal spudger, to remove the double stick tape from the foam.

Step 6



- Remove the styrofoam nose from over the drone's camera by sliding it towards the front of the drone at an angle.

Step 7 — Rubber Shock Absorbers



- Disconnect the two connectors that are attached to the front of the motherboard by gently pulling on the three wires.

Step 8



- Remove the four 5mm torx T5 screws on the bottom of the drone with a Torx Screwdriver.

Step 9



- Lightly pull up using the plastic opening tool to remove the back cover.

Step 10



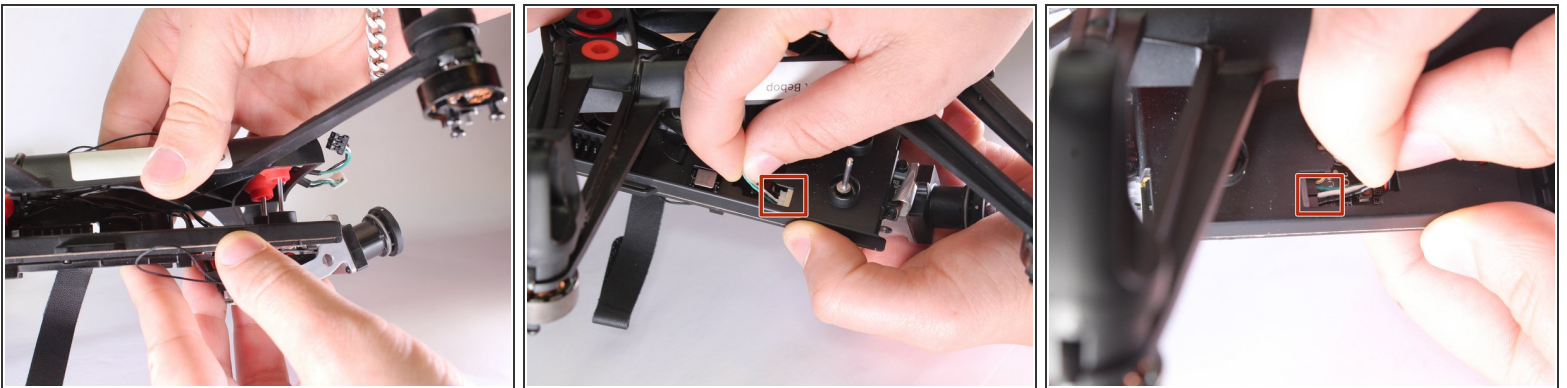
- Using a small pair of tweezers remove the two antenna wires attached to the motherboard.
- ☒ When reconnecting the antenna wires to the motherboard, use the tweezers to place the connector on top of the connection plate and using the 150 mm Flex Extension push down on the gold connector to snap it in place.

Step 11



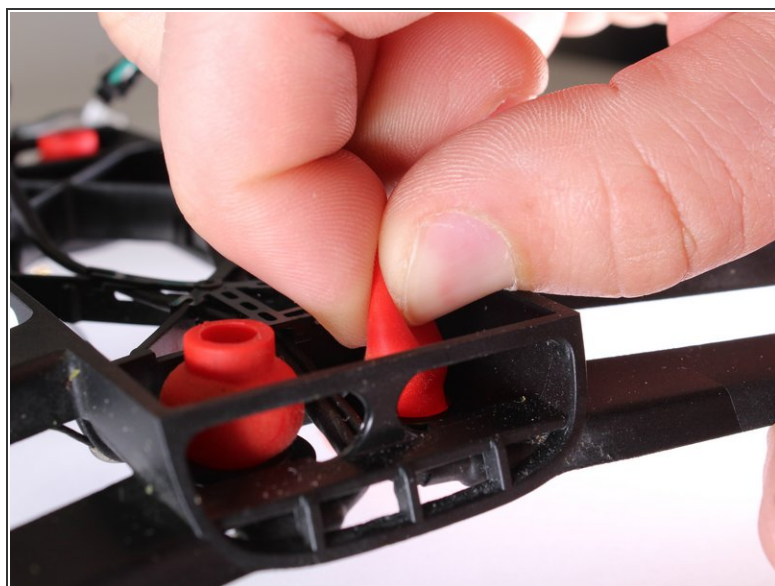
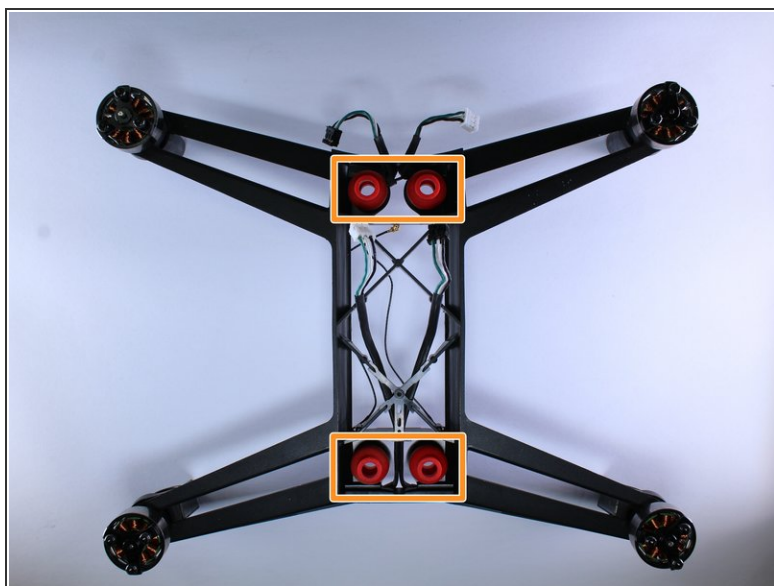
- Remove the four wheel fasteners holding the frame together.
- ⓘ Hand turn or use a small plier, if tight to loosen the wheel fasteners.

Step 12



- Using both hands gently pull the two pieces of the frame apart until you can see the connectors under the frame attached to the motherboard.
 - Remove both of the connectors from the motherboard. There is one connector on each side.
- ⚠ Do not fully remove the frame until both of the connectors are detached from the motherboard.

Step 13



- Remove the four rubber shock absorbers by squeezing and twisting them while also pulling up.
- ✦ Insert replacement rubber shock absorbers by placing one side in the hole and pushing down. Verify the shock absorbers are seated with a gentle tug.

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