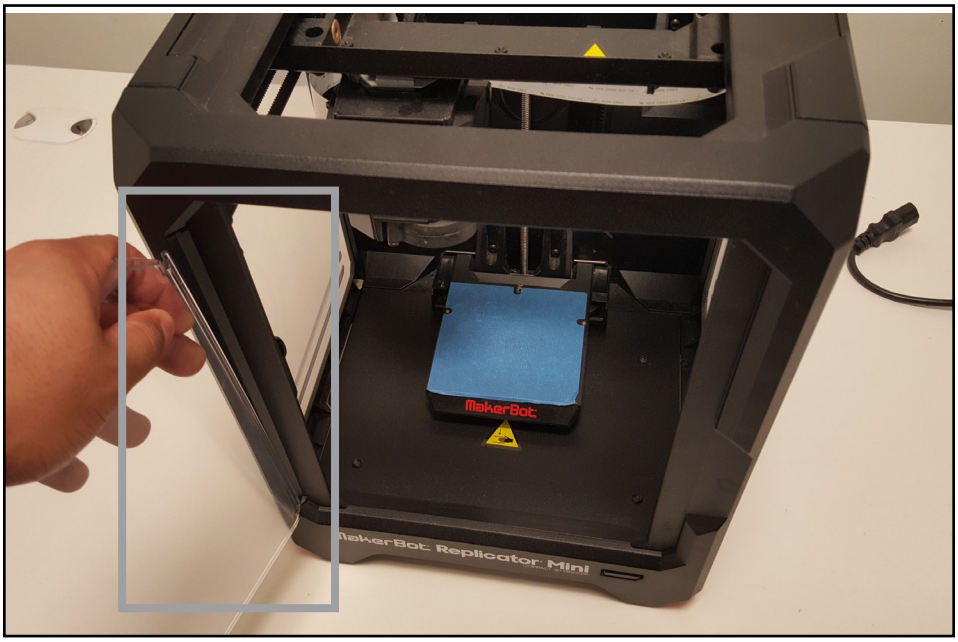
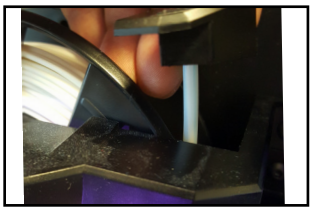
MakerBot Replicator Mini Teardown Guide

Tools Needed:

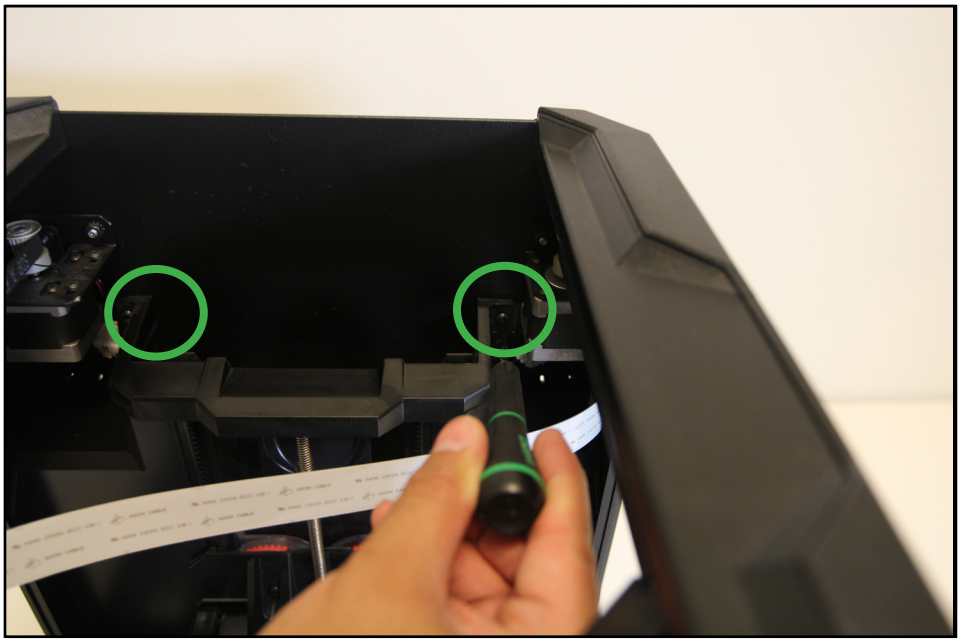
- 1.3mm Hex Driver
- 1.5mm Hex Driver
- 2.0mm Hex Driver
- 2.5mm Hex Driver
- Phillips Screw Driver
- T10 - T20 Torx Driver
- 1 Pair of thin Tweezers
- Small Wire Cutters
- Small Container for Screws

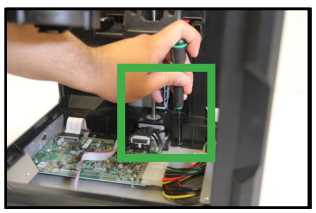


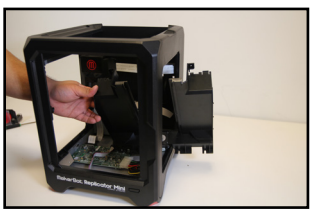


Step 1 - Remove the Door, Windows and Filament Guide

- To remove the Door, pull from top downward and away from the Minis body.
- To remove side Windows, from the inside of the printer, apply pressure to pop out of the slot.
- To remove the Filament Guide Tube, pull upward.

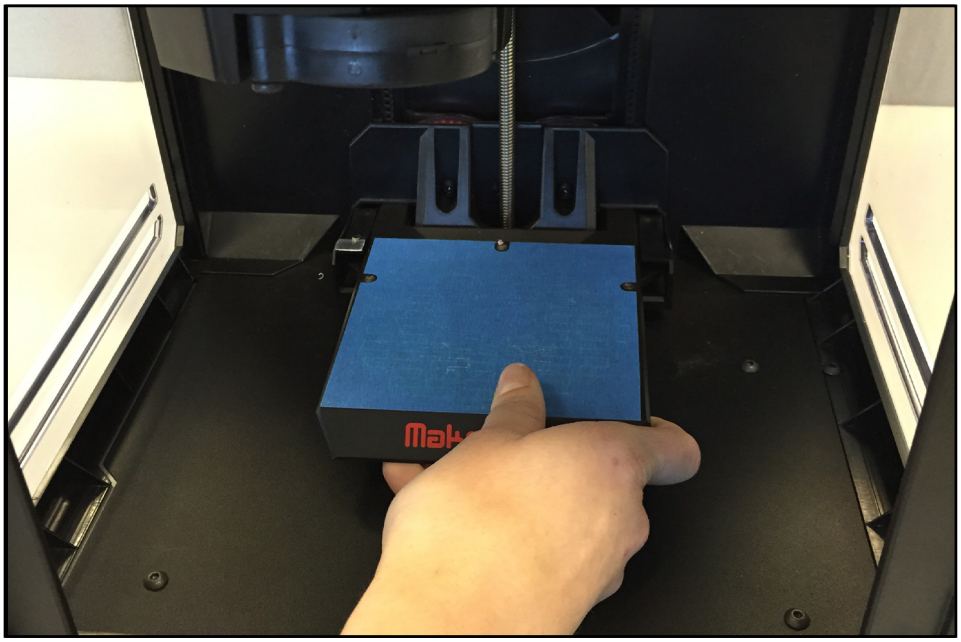


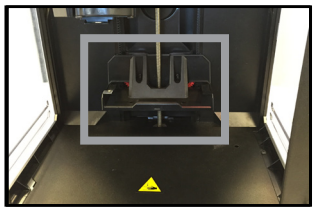


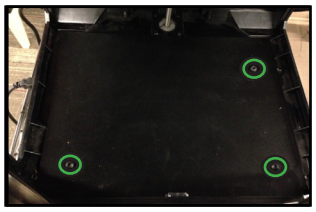


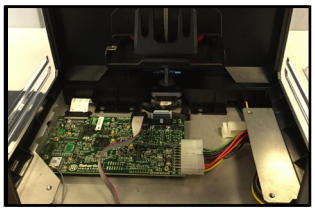
Step 3 - Remove the Z-Stage

- Remove four (4) button head Torx
- Unplug the z-wire from the Motor Wire Harness connected to the Z-stage Motor.
- Remove four (4) button head Torx bolts by using a T20 driver located in the back of the Inside **Base**
- Unclip the black clips on the outer Back Panel by pushing inward (using a 2.0mm hex driver can help assist).
- Lean the Z-stage Assembly forward and pull up to remove.





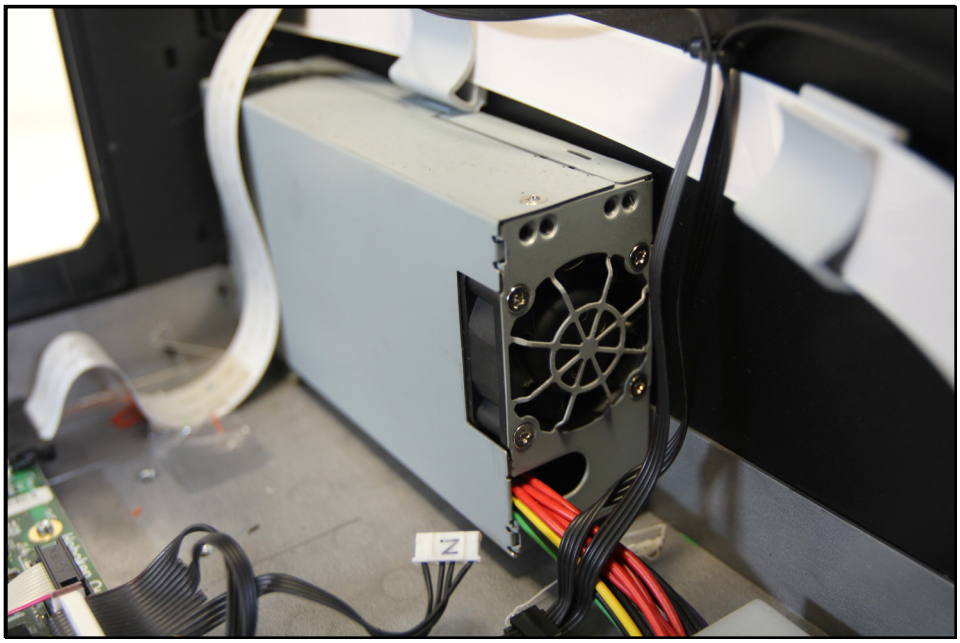


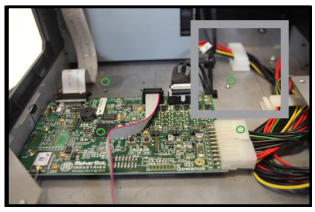


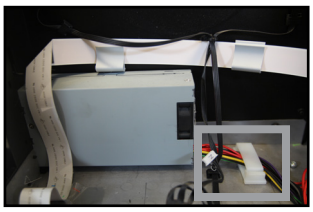
Step 2 - Removing the Floor Plate

- Manually rotate the threaded z-axis threaded rod clockwise to raise the Build Plate Holder half way from the Floor Plate. Pull the Build Plate forward to remove from the Build Plate Holder.

- Remove the three (3) button head Torx bolts by using a T20 driver. Lift up the Floor Plate from the printer to remove.







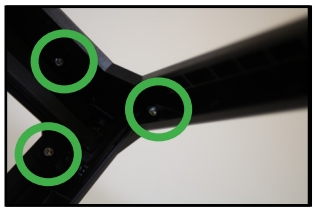
Step 4 - Remove the Power Supply

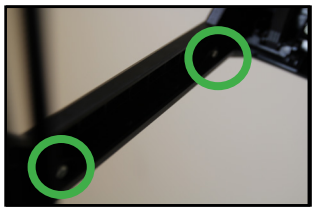
- Remove three (3) button head Torx bolts from the rear left side of the Mini.

- Unclip connector from plastic clips.

- Disconnect the twenty-pin connector from the Brooklyn PCB.

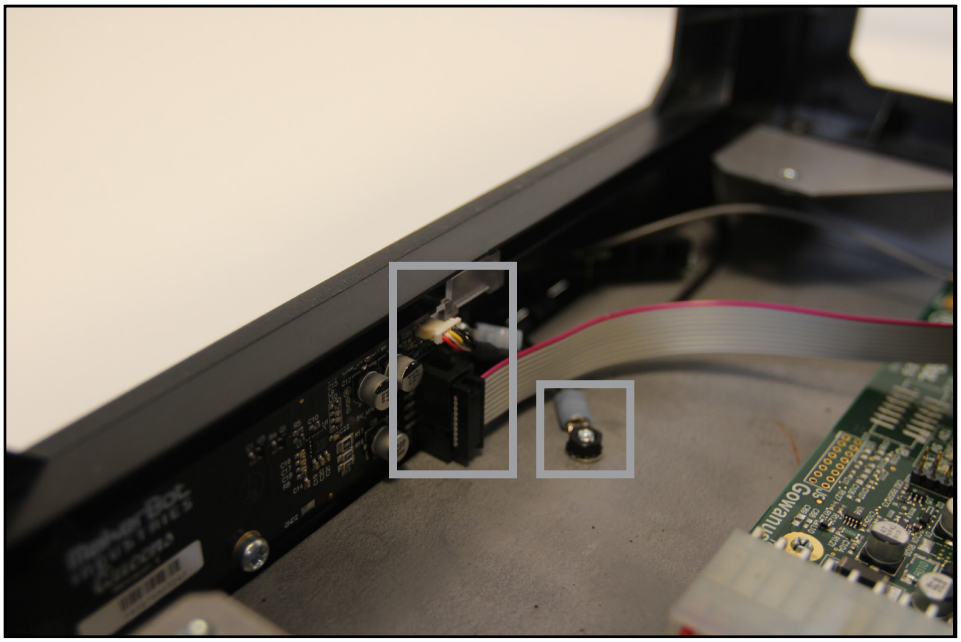
- Pull Power Supply toward you to remove it out of the slot.

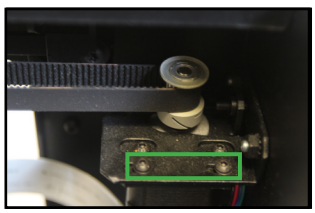


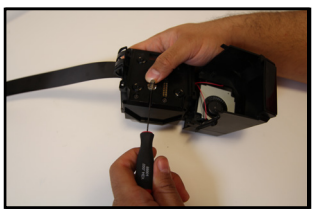


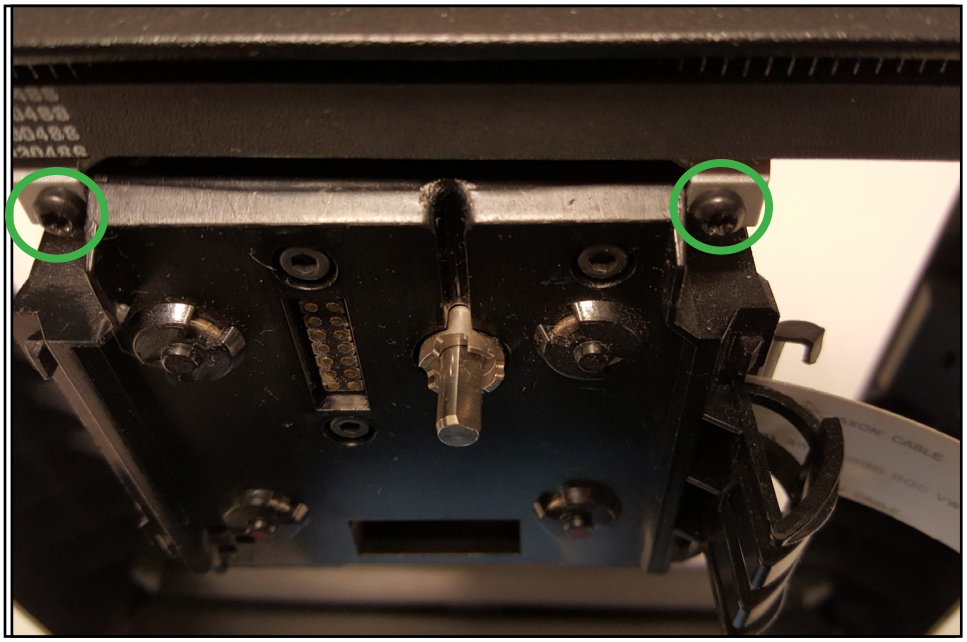
Step 5 - Remove the Housing (optional)

- Remove the following Screws:
  - eight (8) flathead bolts using a 2.5mm hex driver from the edges of the Back Panel
  - one (1) tension bolt by using a 2.5mm hex driver from the Back Panel.
  - three (3) button head Torx bolts by using a T20 driver from the Side Panels via the inside of the printer.
  - two (2) button head Torx bolts by using a T20 driver from the front left and middle of the Inside Base.
  - two (2) button head Torx bolts by using a T20 driver from the front left and middle of the Inside Base.
  - one (1) lock washer nut and the ground wire using a 7mm nut drivert
  - four (4) button head Torx bolts by using a T15 driver located on the upper Inside Panels.
- Unplug the Camera Wire at the bottom of the Base from the Queens PCB.
- Unplug Ribbon Cable at the bottom of the base from the Queens PCB.
- Loosen two (2) button head bolts located on the left Gantry Motor Mount (frame side).
- Remove the Gantry Belts from the Gantry Pulley.



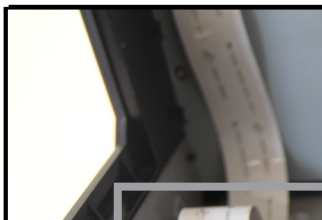


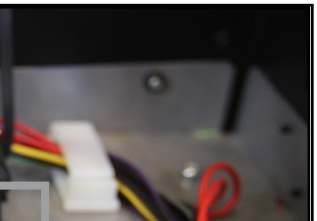




Step 5 - Remove the **Housing continued**

- Remove the two (2) Torx bolts using a T10 driver located on the Extruder Carriage Assembly.
- Pull the rear panel of the Housing Assembly upwards to remove (using a small driver wedged between the Back Panel and Frame allows easier removal).





Step 6 - Remove the **Brooklyn PCB**

- Remove the **FFC** from the **Brooklyn PCB**.
- Unplug the **Motor Wire Harness** from the **Brooklyn PCB**.
- Unplug the 10-pin Ribbon Cable from the **Brooklyn PCB**.
- Unplug the **Wi-Fi Antenna** from the **Brooklyn PCB**.
- Unplug 20-pin Power Supply Cable.
- Lift up the **Brooklyn PCB** to remove.