

How to replace the LED

The LED is where the 3D printer projects UV light through the LCD and cures the resin. The LED may need to be replaced after some time. In the following article, we have divided the post into 2 parts: removing the old LED and installing the new LED.

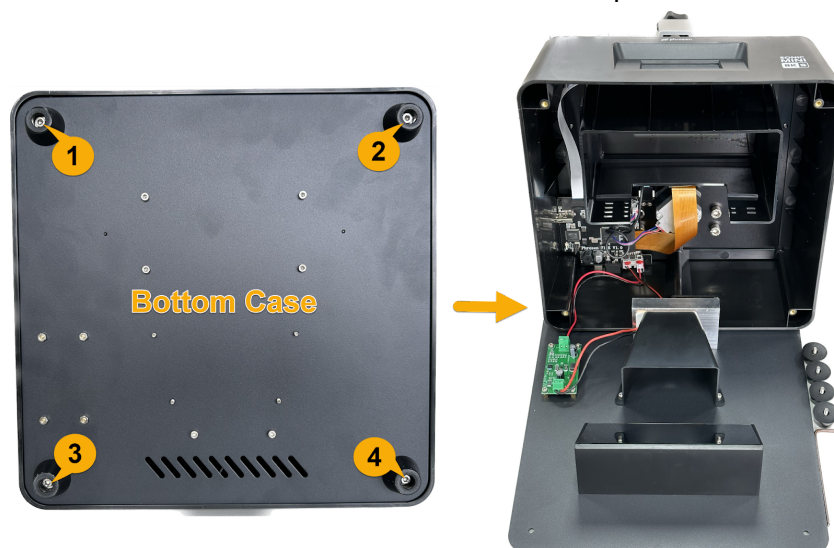
SONIC MINI 8K S

LED Chip-on-Board Replacement:

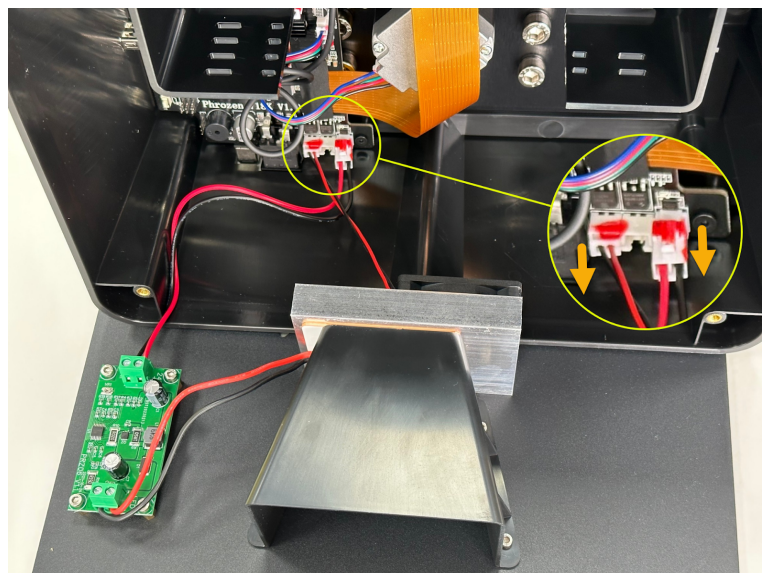
Step 1: Turn off the printer and remove the UV cover, resin vat, and building plate.

Step 2: Carefully lay down your printer.

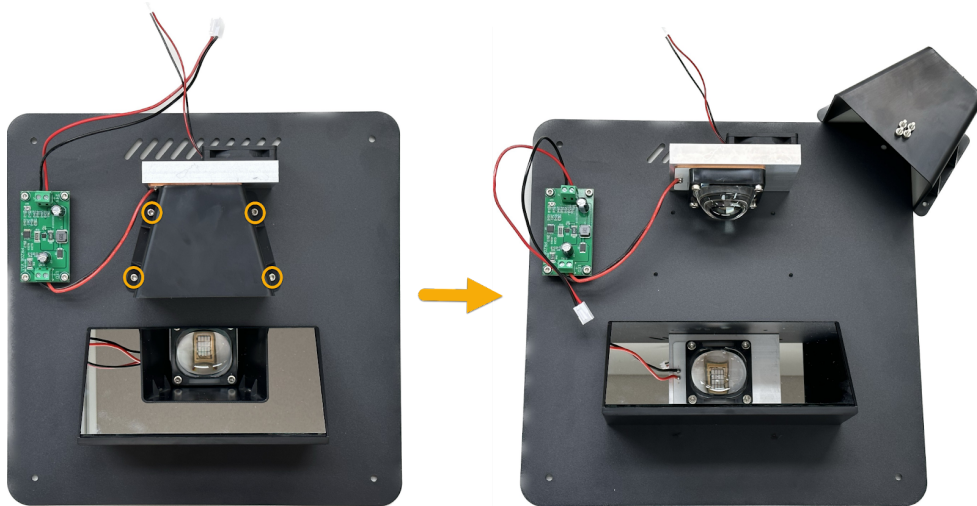
Step 3: Loosen the 4 screws on the bottom case, and then open the case.



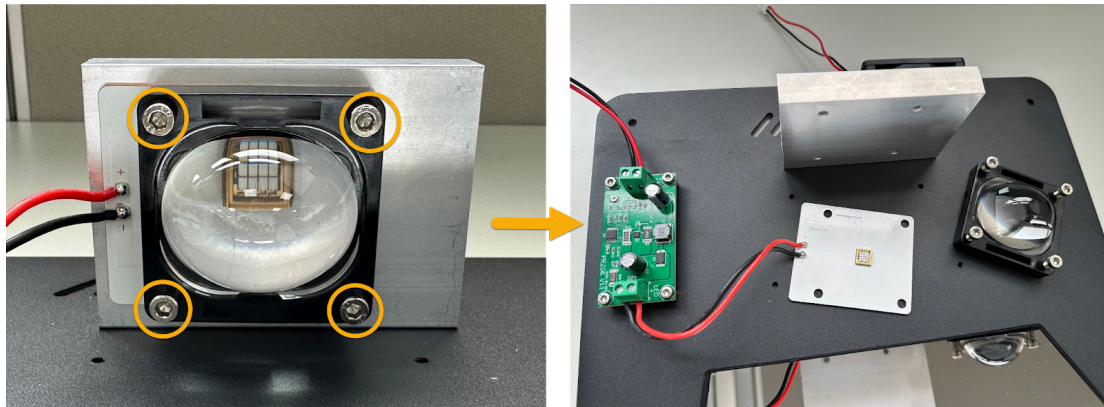
Step 4: Unplug the LED connector and Fan connector and remove the bottom case.



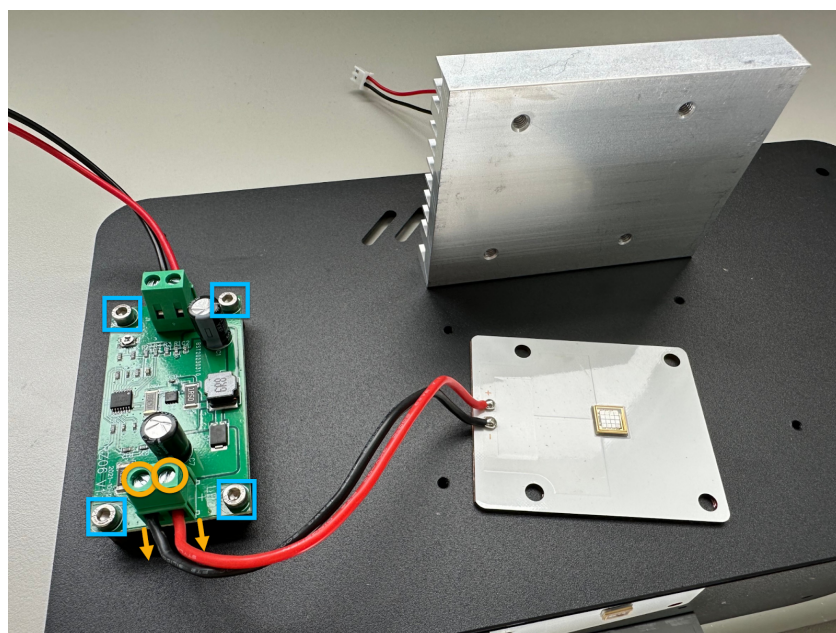
Step 5: Remove the black lens hood by loosening the 4 screws.



Step 6: Remove the LED lens frame by loosening the 4 screws.



Step 7: Remove the red and black wires marked on the LED driver board.



Installation of the New LED Chip-on-board:

Step 1: Install a new LED chip-on-board onto the heat sink.

Step 2: Reconnect the red and black wire pair on the LED driver board.

Step 3: Install the LED lens onto the chip-on-board.

Step 4: Attach the black lens hood onto the base cover.

Step 5: Reinstall the bottom case.

Step 6: Perform LCD test to ensure that the LED is functioning properly.

Step 7: Done.

NOTE

Handle the components with care during reinstallation and to tighten all screws and cables securely.