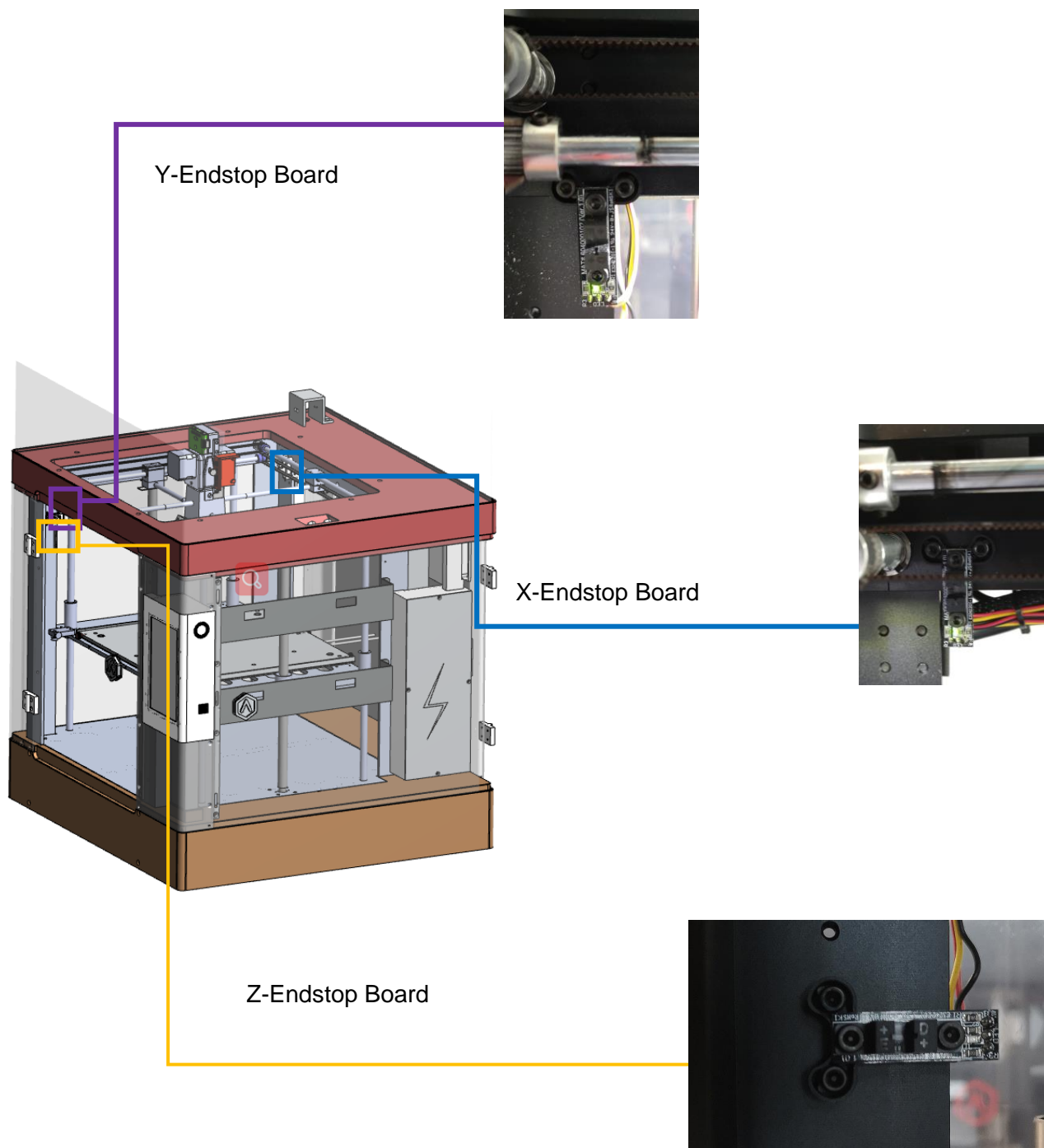


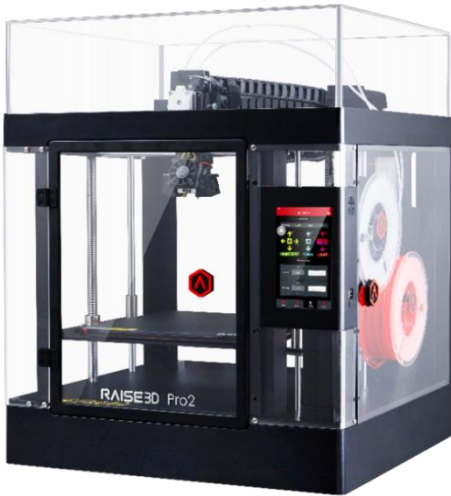
# Pro2 Endstop Limit Switch Board Installation Instruction

## STEP 1: The Locations of Endstop Boards



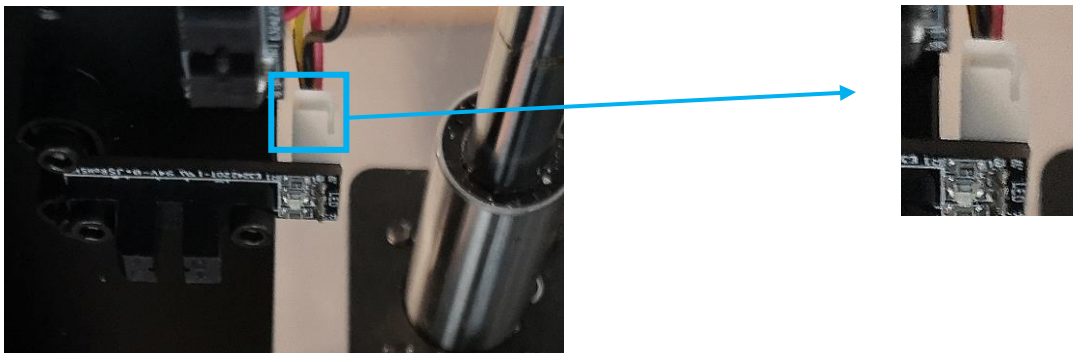
## STEP 2: Power Off

Power off the printer.

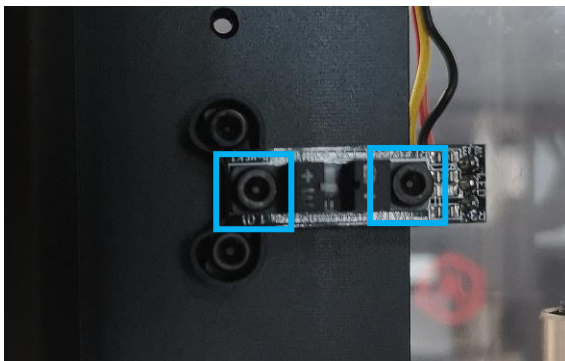


## STEP 3: Remove the Z-Endstop Limit Switch Board

- The steps of replacing Endstop Board are similar for different directions. We will use Z direction here as reference.
- Unplug the cable on Z-Endstop Board.



- Remove the two fixing screws marked in image below and take the old Endstop Board off with casing.



### STEP 4: Reinstall Z-Endstop Limit Switch Board

- Fix new Z-Endstop Board to original position with two fixing screws removed before.

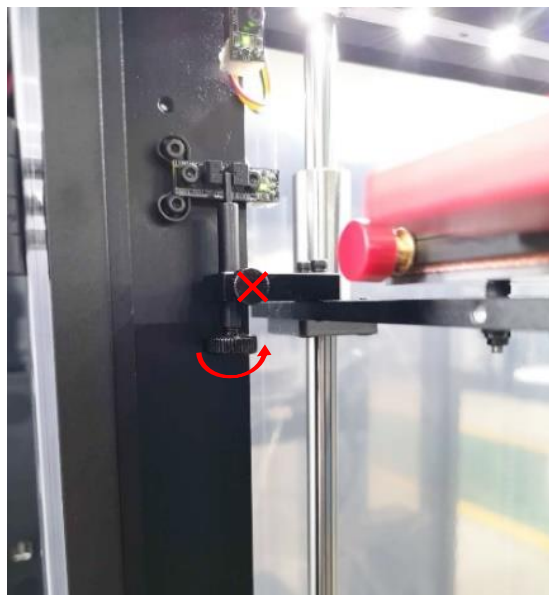


- Plug the cable back onto the Board.

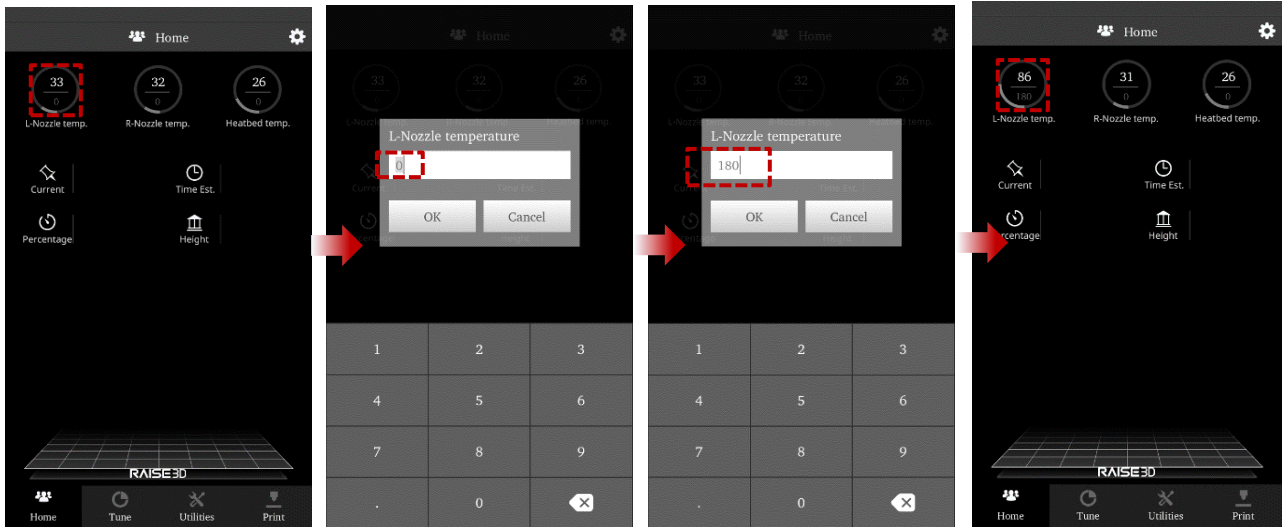
### STEP 5: Bed positioning

- As replacing Endstop Board may affect Z home height, it is better to apply a height calibration before printing. For the other two directions, calibration is not a necessary step.
- Loosen the Z thumbscrew by rotating it counter clockwise 1 full rotation.
- Power on your unit.

Cooling fans will not be attached by this stage. Exercise caution when operating around spinning parts.

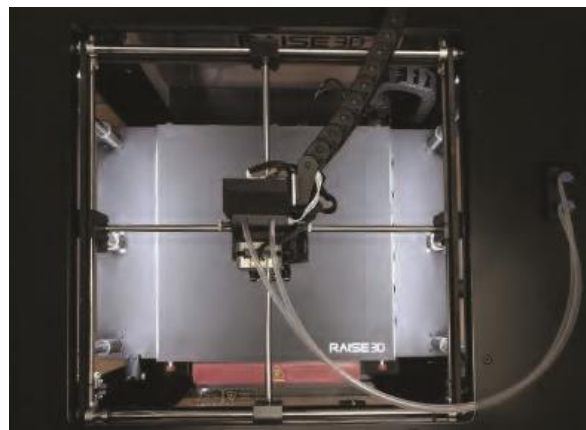
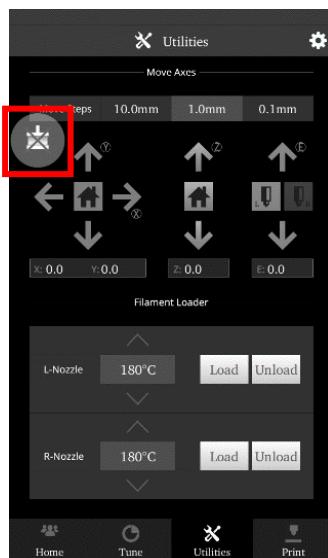


- In the Home tab of the touchscreen, select the Left nozzle, and set the temperature to 180. This will ensure that the left nozzle is enabled and in the proper position.
- In the Utilities tab, select the Z-Axis Home button to move the bed into the origin position.



## STEP 6: Extruder Positioning

- Disable the motor with the 'Disable Motor' button. This will allow you to freely reposition the extruder by hand.
- Move the extruder head along the rods into the center position.  
**When physically moving the extruder, avoid touching high-temperature components. Perform all motions via the upper section of the extruder head.**



## STEP 7: Left Nozzle Calibration

Select the Left Nozzle Icon, and press the down arrow to ensure the left nozzle is enabled.

- Use the feeler gauge (included in printer toolkit) and place it underneath the left nozzle.
- To adjust the nozzle height, rotate the large thumbscrew as depicted in the diagram. **DO NOT adjust the small side-mounted screw.**
- Home the Z-Axis, then verify the new height using the feeler gauge.
- Homing is required each time the knob is adjusted.
- Repeat until desired result is achieved.

Adjustments should be made incrementally. Changes in height will NOT be visible until after homing.

