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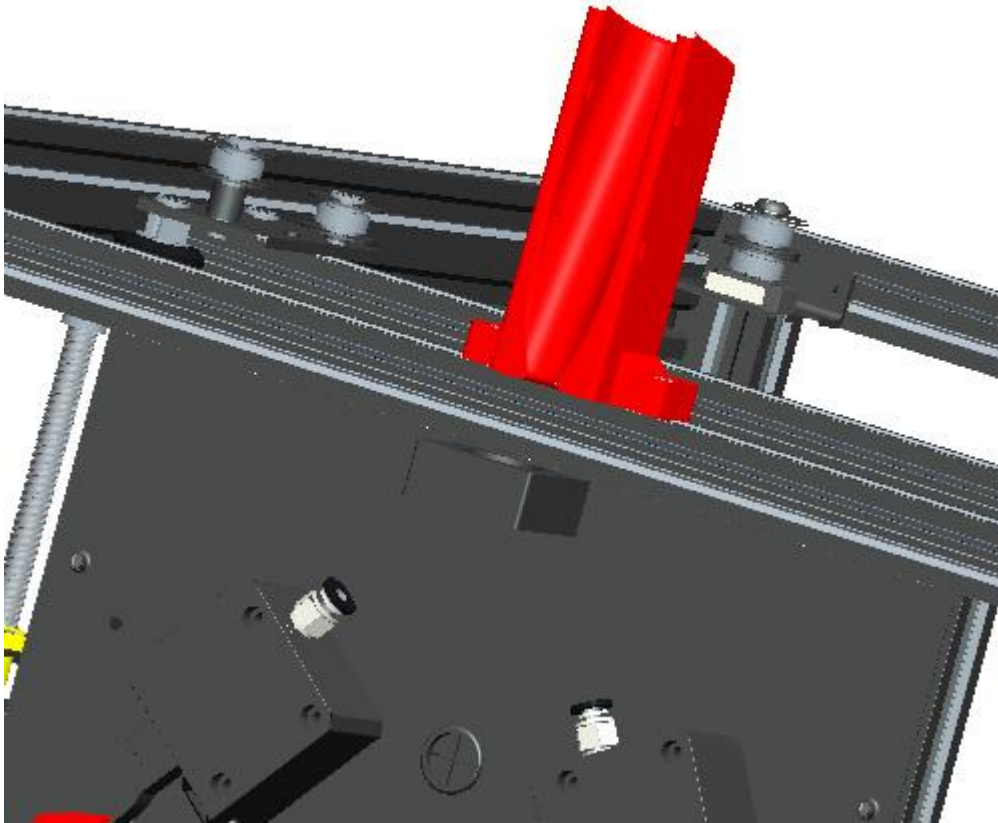


Z9V5Pro 500x500 Upgrade Kit Installation and Wiring Guide

Prepare

1. Print a hot end wires bracket

Before upgrading the 500x500 kit, please click  [here](#) to download stl file (a bracket be used to mount hot end cable) and then slicing and print it out by your Z9V5Pro.



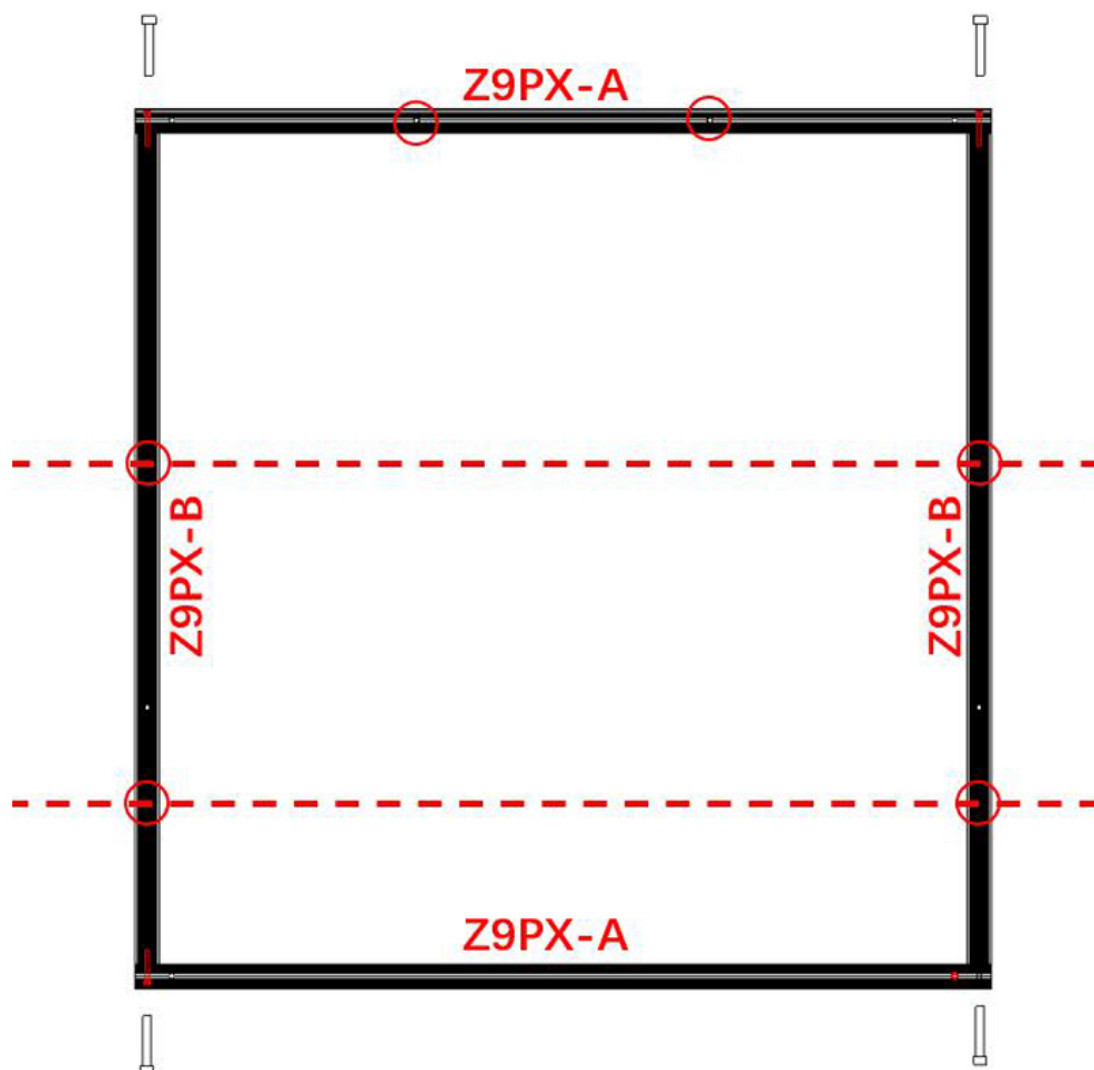
2. Upgrade firmware for Z9V5Pro-Max

Download and upload the firmware for upgraded to 500x500 to the control board.

- [For Z9V5Pro-MK6](#)
- [For Z9V5Pro-MK3/MK4/MK5](#)
- [For Z9V5Pro-MK1/MK2](#)

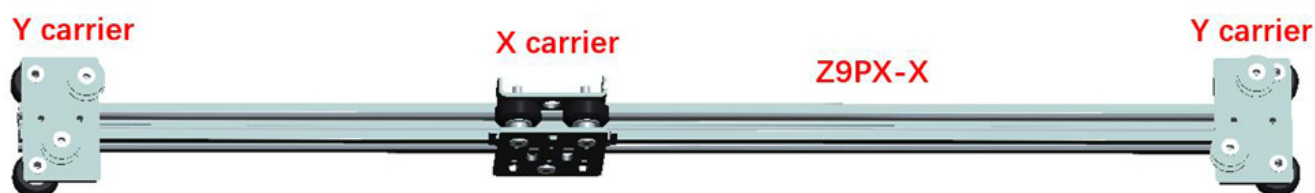
Installation and Wiring

1. Disassemble the machine into modules, such as the top assembly, bottom assembly, Controller assembly, Z-carrier assemblies, etc..
2. Assemble the bottom profile frame according to the picture below and install the rubber foot pads to the bottom profile.




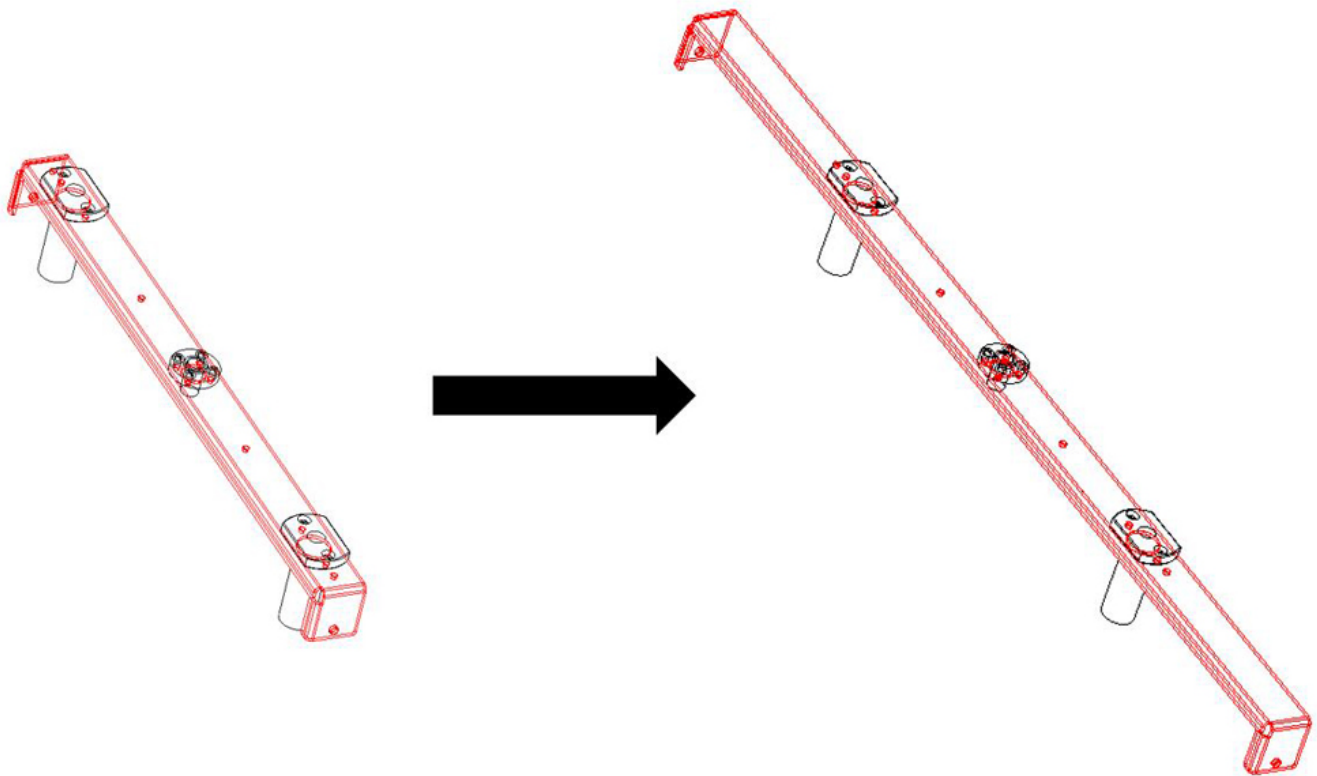
3. Replace X axis profile and Z-axis carriers' bracket.

3.1 Replace the X axis profile.



3.2 Replacing the metal bracket of the Z-axis carriers.

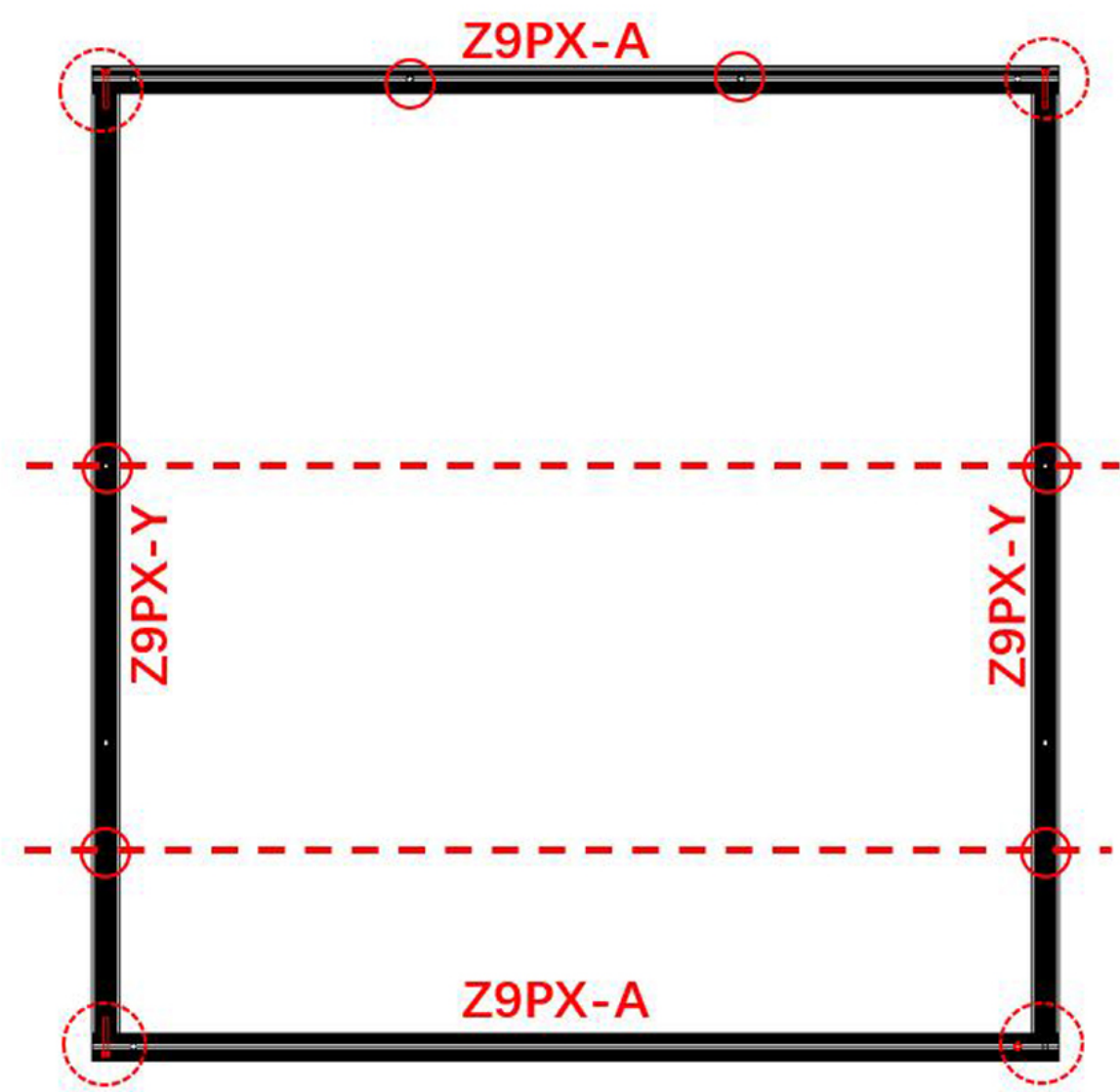
 **Note:** This component was newly added to products sold after November 2023, and earlier products sold did not have this accessory.



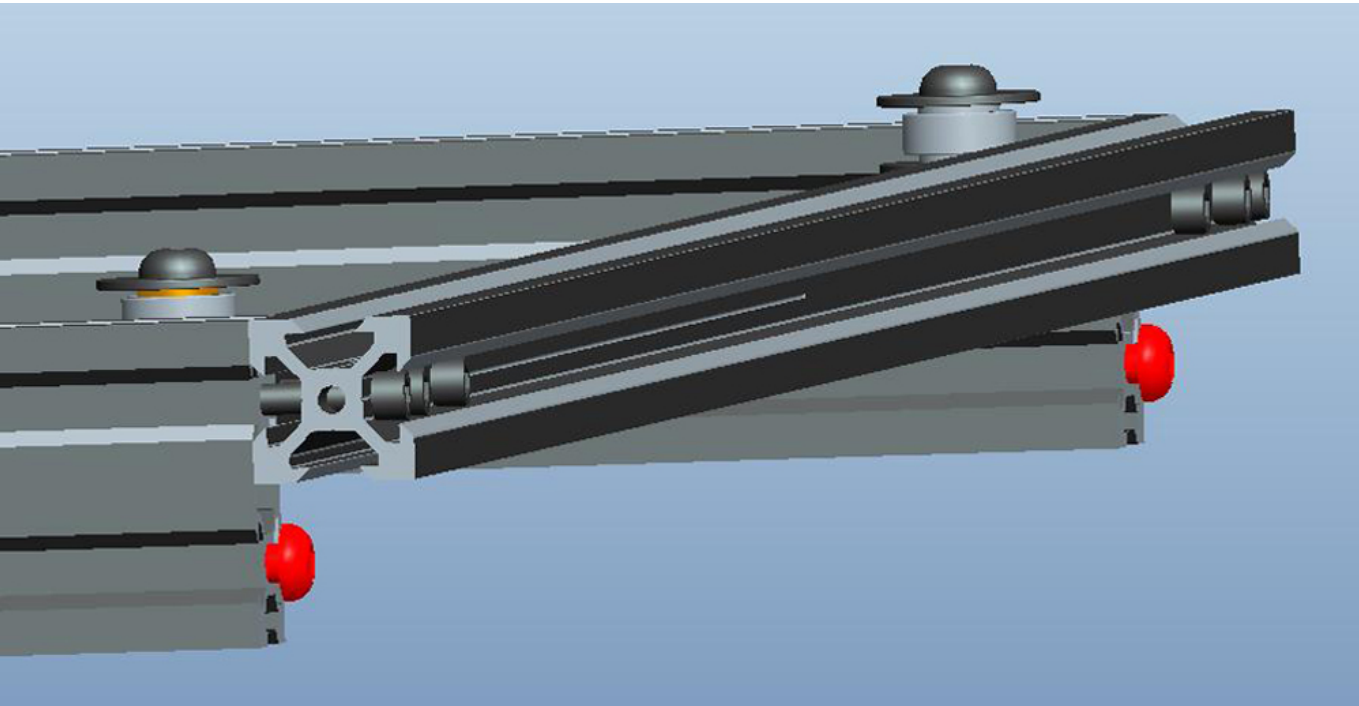
4. Assemble the top profile frame according to the picture below.

⚠ Note: The installation of the screws to fix the profiles are different from before.

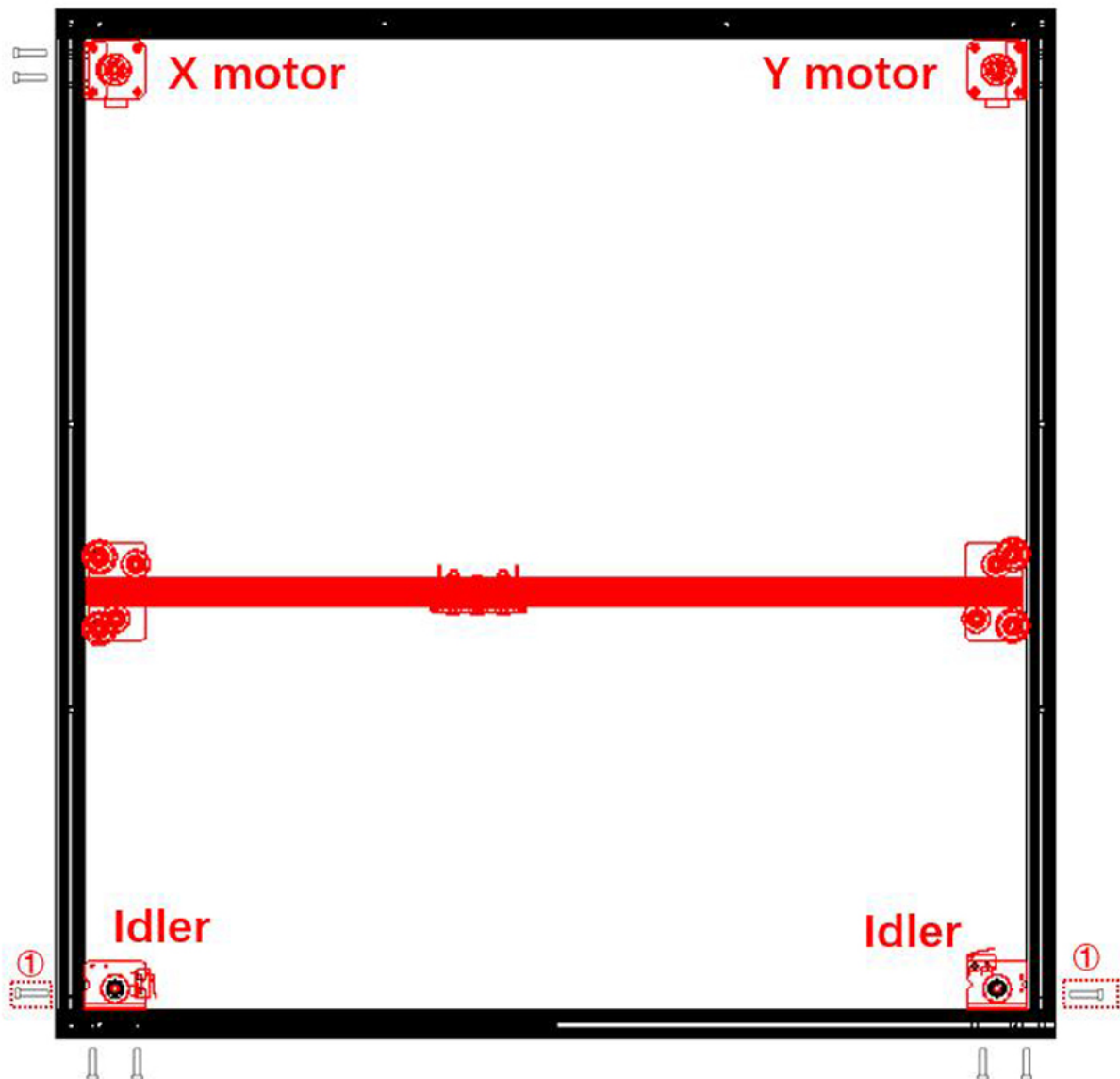
⚠ Note: Do not tighten the screws too tightly at this step.



⚠ Note: There are 4 screws already installed on the Y profile, which are used to fix the Z-axis profile.



5. Disassemble the X & Y motor module and idlers from the profiles of the original top assembly and then install them to the frame of the new top assembly. Put the X axis assembly into the top assembly and tighten the screws to fix profiles.

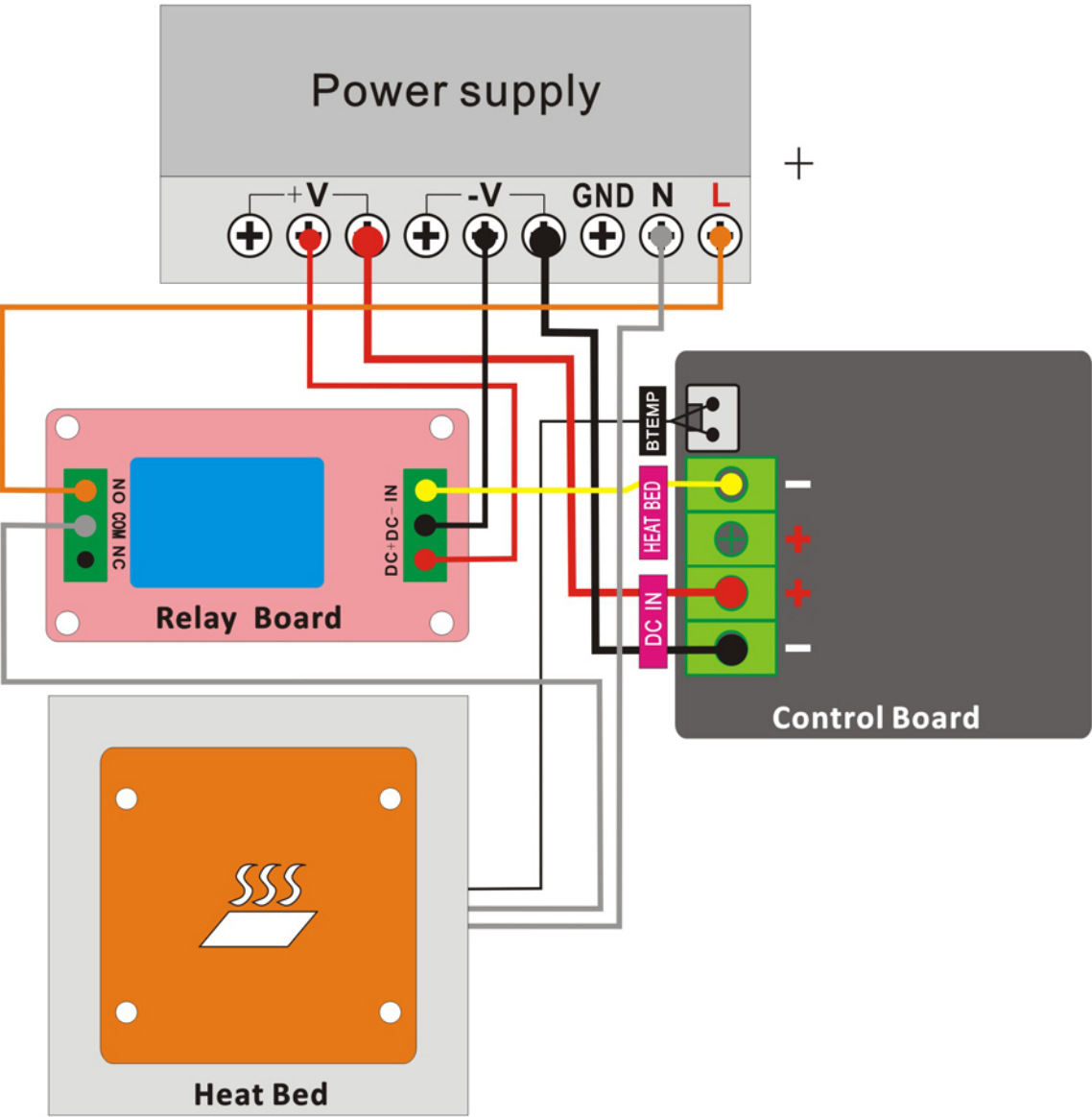
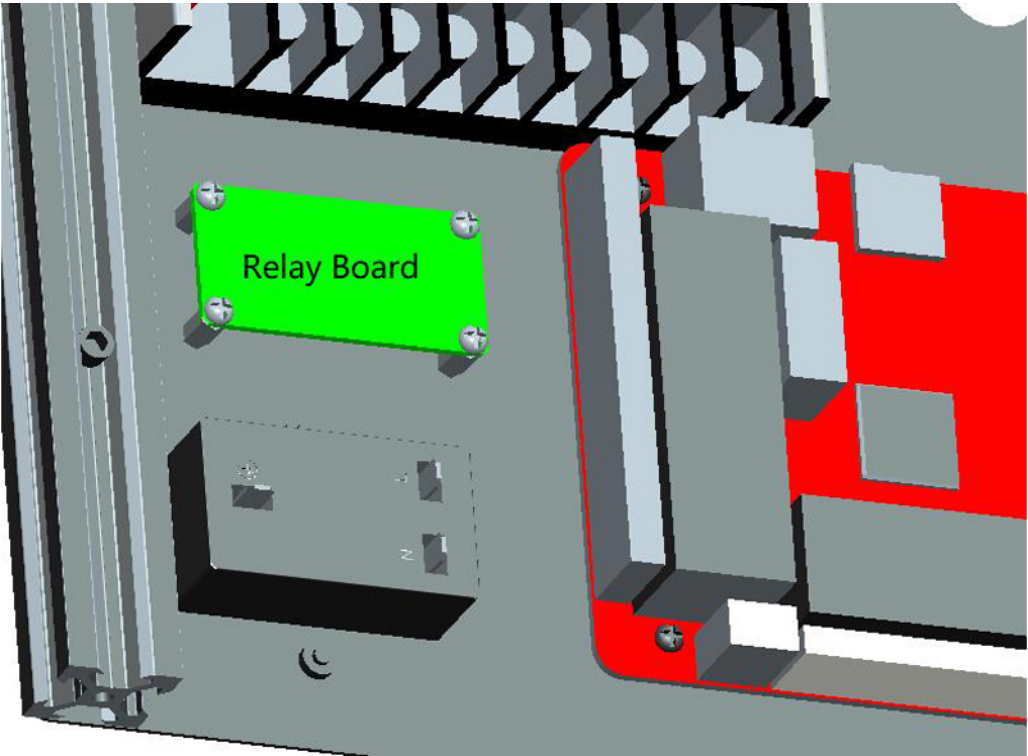


⚠ Note: The two screws (labeled ① in the above picture) only exists in the latest version Z9V5Pro frame.

6. Open the control box, install the relay board and wiring flowing to the wiring diagram below.

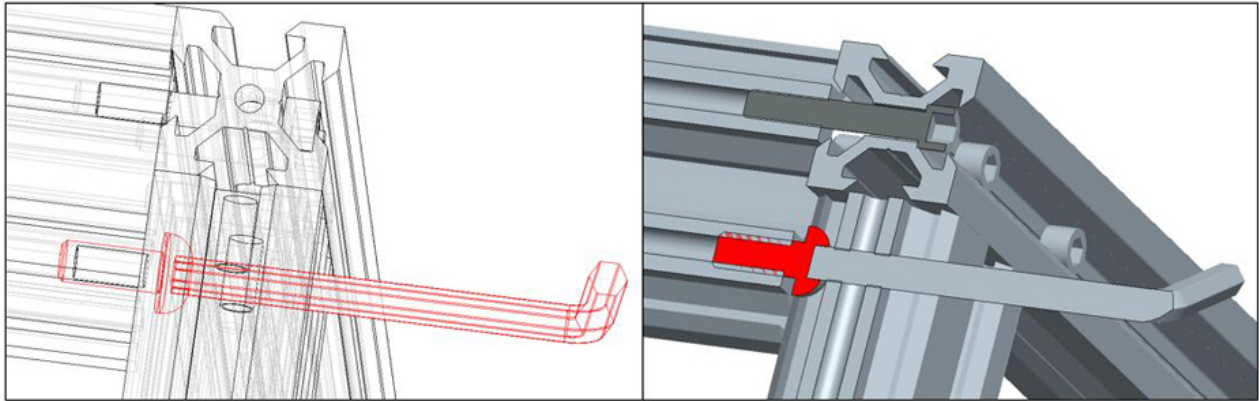
⚡ ATTENTION PLEASE: ⚡

- The hot bed is worked at AC110V (220V), be careful not to damage the wires' insulation layer when wiring.
- Before wiring, remove the plastic plug on the control box and let the hot bed wire pass through this hole.
- Please pay attention to distinguishing between the L and N wires of AC power and the NO/NC pin of the relay board.



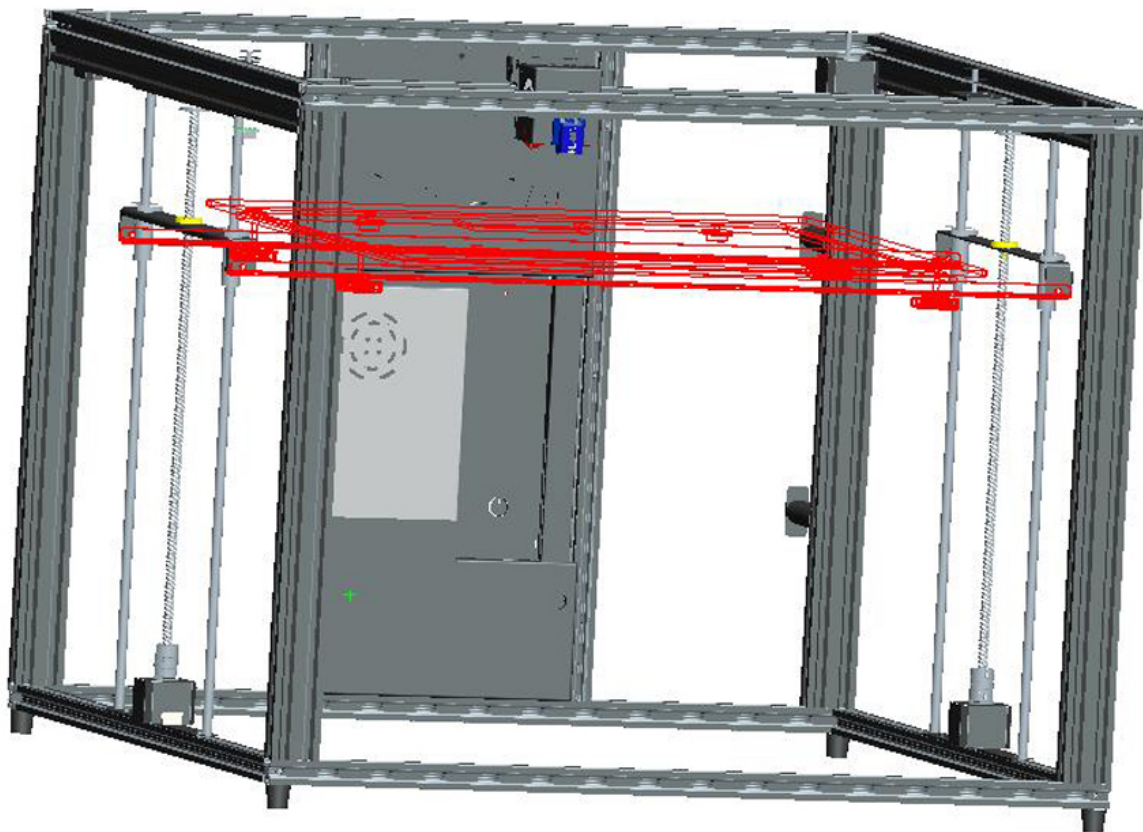
7. Assemble all the components together, steps are basically the same as assembling a standard Z9V5Pro.

⚠ Note 1: Please refer to the picture below to fix Z axis profiles with top assembly.



⚠ Note 2: The hot bed bracket metal sheets and the hot bed need to be replaced with the new one.

⚠ Note 3: Install the LCD screen to the bottom-side profile of machine.



8. Install belts and add extended wire to X/Y/Z ENDSTOPs and hot end, replace the PTFE tubes of extruders.

9. Install the bracket for mounting hot end cable to the top profile.