



***For your safety and continued enjoyment of this product of this product , always read the instuction book carefully before using**

1.IMPORTANT SAFEGUARDS

To avoid danger when using 3D printer , please pay attention to precautions below !

1.During Operation , the maximum temperature of nozzle can be 260°C while hotbed can be 100°C . For your safety , during printing or cooling down , do not touch the nozzle , hotbed and models under printing .

2.During the operation of the machine, it is forbidden to reach into the machine to prevent the injury.

3.Power works at 110V/220V 50HZ AC and supply ground needed . Do not use other power supply , or it may cause components damage , fire or electric shock .

4.We suggest wearing protective goggles when removing auxiliary support materials .

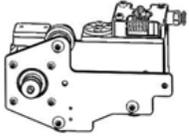
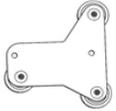
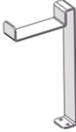
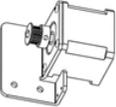
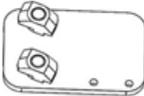
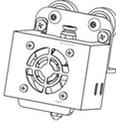
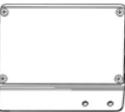
5.Some filaments will emit slight irritant gases , so we suggest to use 3D printer in a ventilated environment .

6.ABS filament will emit a bit toxic gases when it melts .

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X3 Parts list

Spare parts diagram	Code	Quantity	Spare parts diagram	Code	Quantity
	A1 (pedestal subassembly)	1		A9 (Y bearing subassembly)	1
	A2 (X motor subassembly)	1		A10(X bearing subassembly)	1
	A3 (X beam right mounting subassembly)	1		A11 (material rack)	1
	A4 (Y motor subassembly)	1		A12 (Z limit switch fixed block)	1
	A5 (Z motor subassembly)	1		A14 (2040- Aluminumprofile (Z-direction)- 420mm)	2
	A6 (extruder subassembly)	1		A15 (2040 Aluminum profile-(Y motor) -385mm)	1
	A7 (print platform subassembly)	1		A16 (2020 Aluminum profile-(X top beam) -340mm)	1
	A8 (display screen subassembly)	1		A17 (2020 Aluminum profile-(X motor) -368mm)	1

Spare parts diagram

Code

Quantity

Spare parts diagram

Code

Quantity



A18 (T-type screw)

1



A19 (M4*16 Screw)

4



A20 (M4*6 Screw)

2



A21 (M2.5*10 Screw)

6



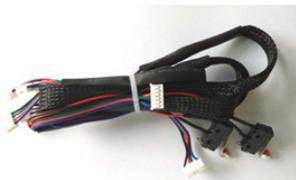
A22 (M5*20 Screw)

10



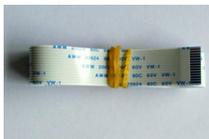
A23 (M5*30 Screw)

2



B1
 (B1-1: X motor line subassembly)
 (B1-2: Y motor line subassembly)
 (B1-3: Z axis limit switch line)
 (B1-4: E motor line)

1



B2 (Screen flat cable)

1



B3 (Power line)

1



B4 (Card reader)

1



C1
 (C1-1: 1.5mm Inner hexagon spanner)
 (C1-2: 2mm Inner hexagon spanner)
 (C1-3: 2.5mm Inner hexagon spanner)
 (C1-4: 3mm Inner hexagon spanner)
 (C1-5: 4mm Inner hexagon spanner)
 (C1-6: 8mm open-ended wrench)
 (C1-7: Slot type screwdriver)
 (C1-8: Phillips screwdriver)

8



C2 (Feeding pipe)

1

Accessory list :

cable tie	4*200 black	* 10
nozzle+teflon tube	04 nozzle+teflon tube	* 1
solid glue	9g/bottle	* 1
PLA filament	1.75mm white 10 meter	* 1
installation manual	X3 installation manual	* 1

3. Installation Instructions

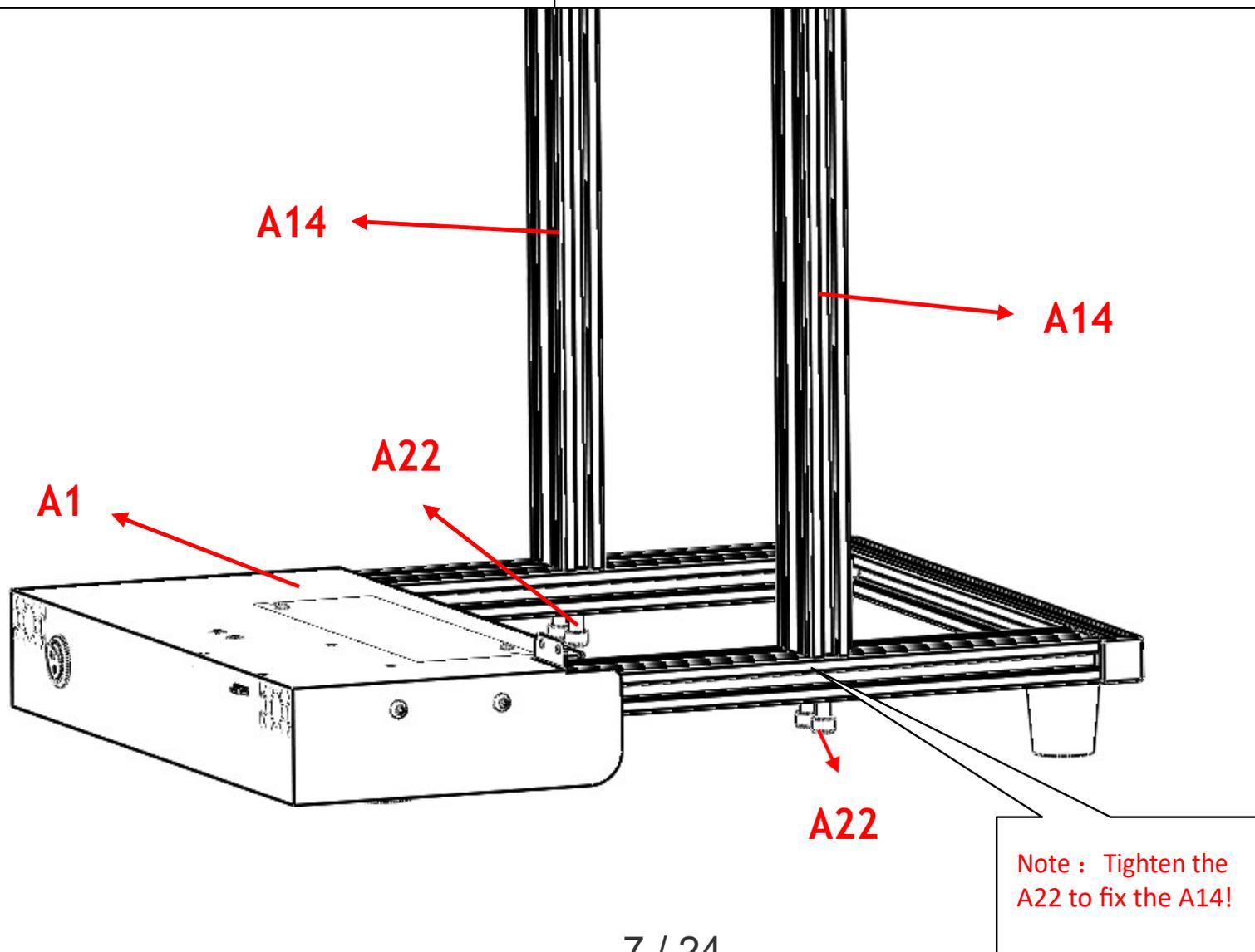
Attention :

1. Please make sure the package is not broken when you receive it.
2. Please check the printer parts according to the packing list.
3. Please contact our customer service team is ready to assist you and offer suggestions if there is any questions.
4. The installation instructions are schematic diagram of model for reference only. Please prevail in kind.
5. The material codes in the installation instructions of this graphic are in one-to-one correspondence with the codes in the parts list. Please assemble them according to the relevant material codes.
6. In order to more perfectly assemble our 3D printer, please Refer to the assembly instruction videos provided by our company in Card Reader (B4) .
7. We will upload videos or information Irregularly. Please pay close attention to the latest development of the official website

4. Frame Structure

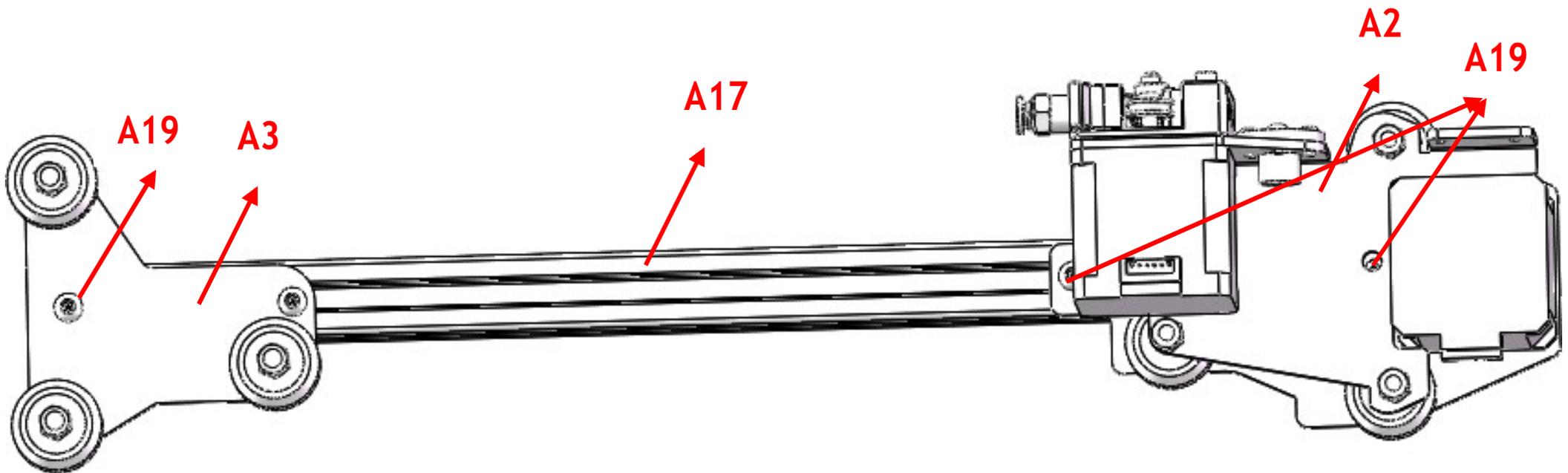
K1 Z- axis aluminum profiles installation

Combined modules	Tools
$K1=A1+2*A14+4*A22$	C1-5



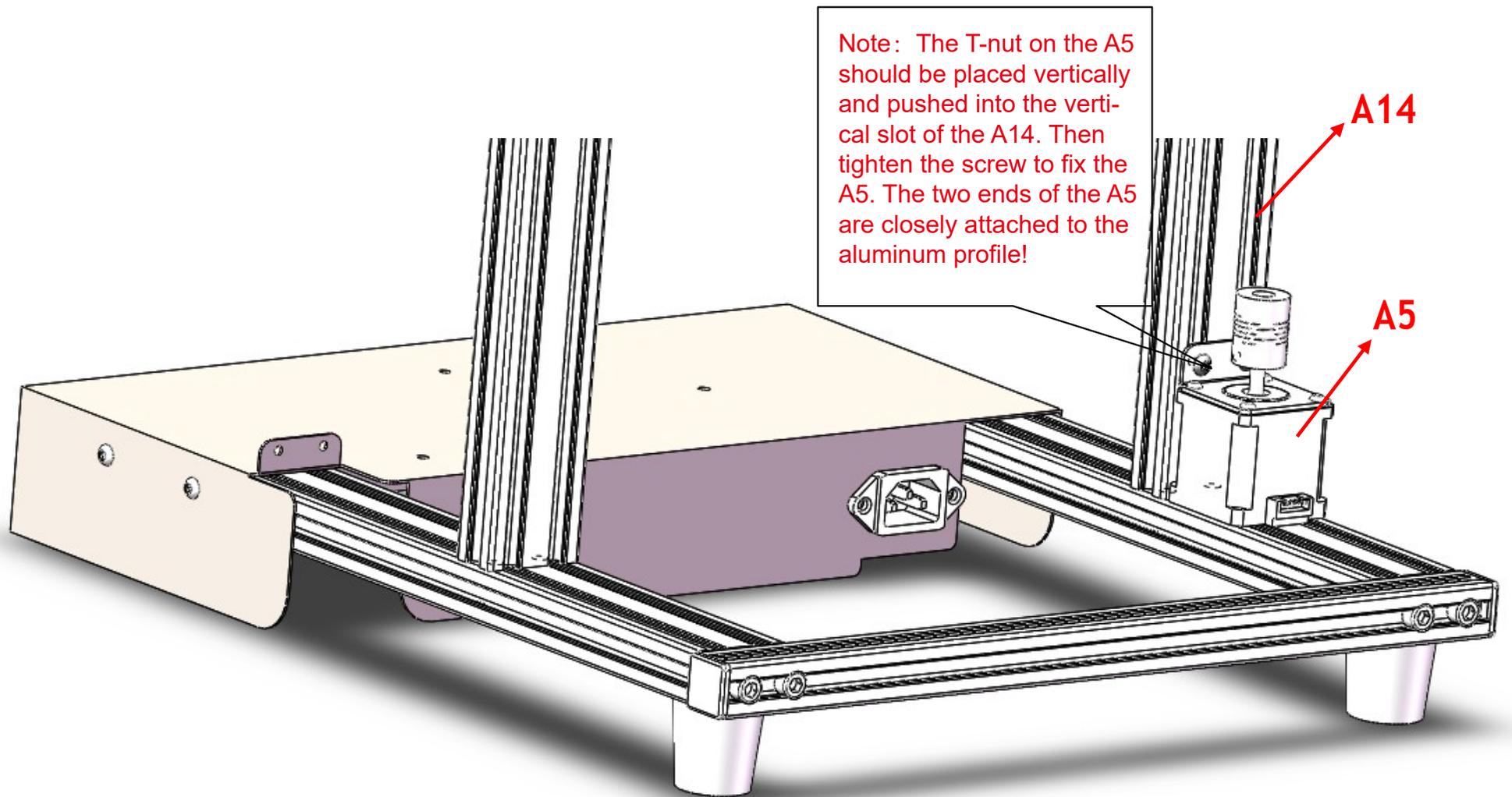
K2 X axis assembly installation

Combined modules	Tools
$K2=A2+A3+A17+4*A19$	C1-3



K3 Z axis motor installation

Combined modules	Tools
K3=A14+A5	C1-3



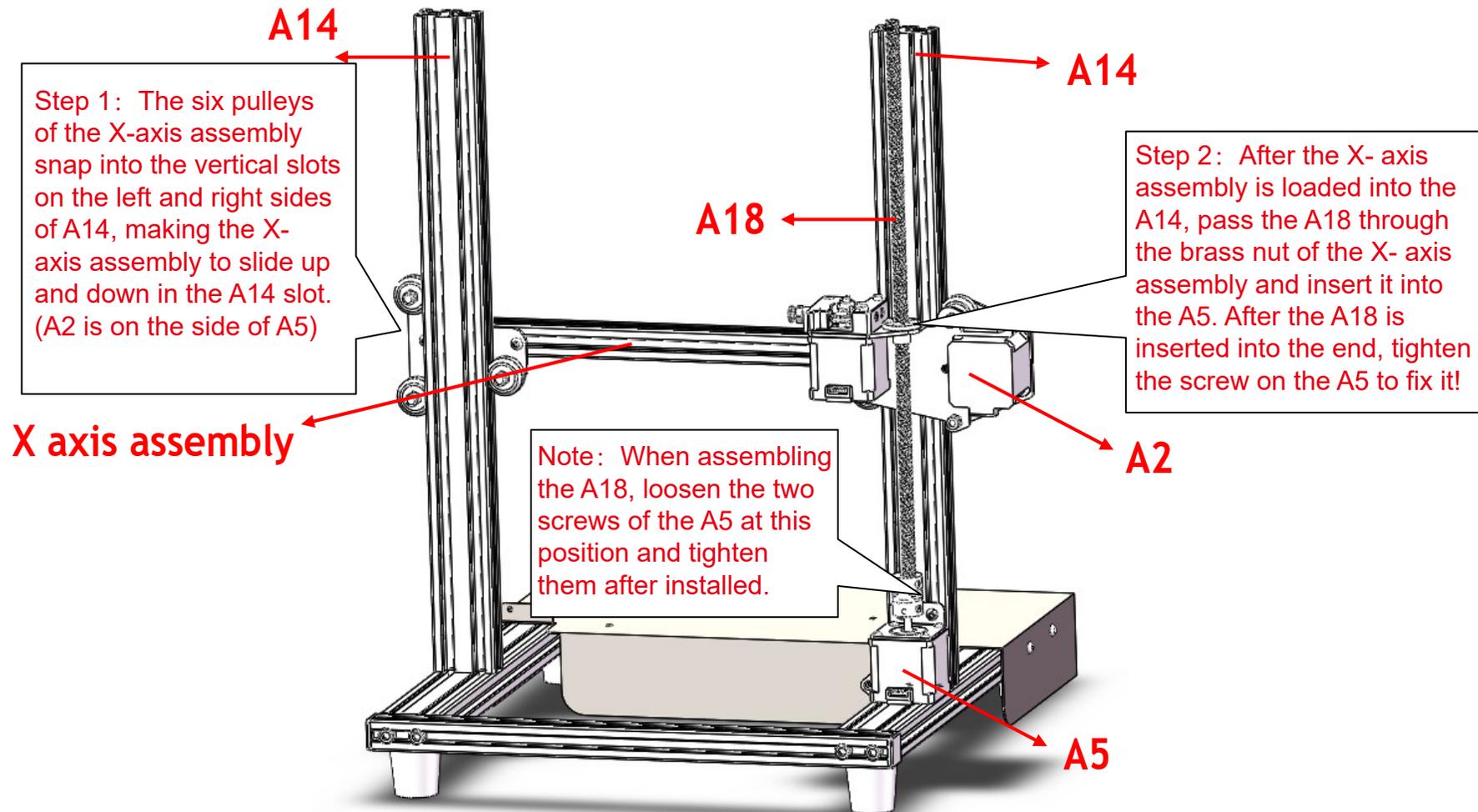
Note: The T-nut on the A5 should be placed vertically and pushed into the vertical slot of the A14. Then tighten the screw to fix the A5. The two ends of the A5 are closely attached to the aluminum profile!

A14

A5

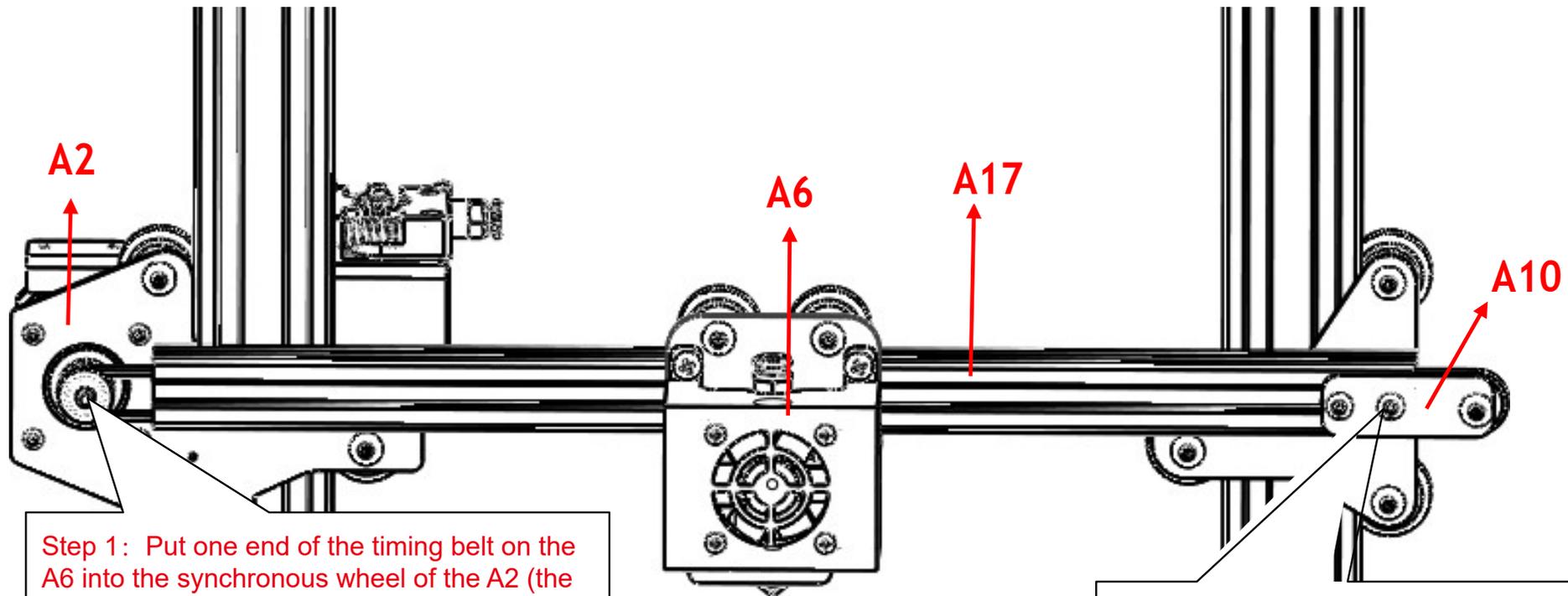
K4 Z axis lead screw installation

Combined modules	Tools
K4=A14+A5+A18+X-axis assembly	C2-2



K5 Extruder installation

Combined modules	Tools
K5=A2+A6+A10+A17	C2-3

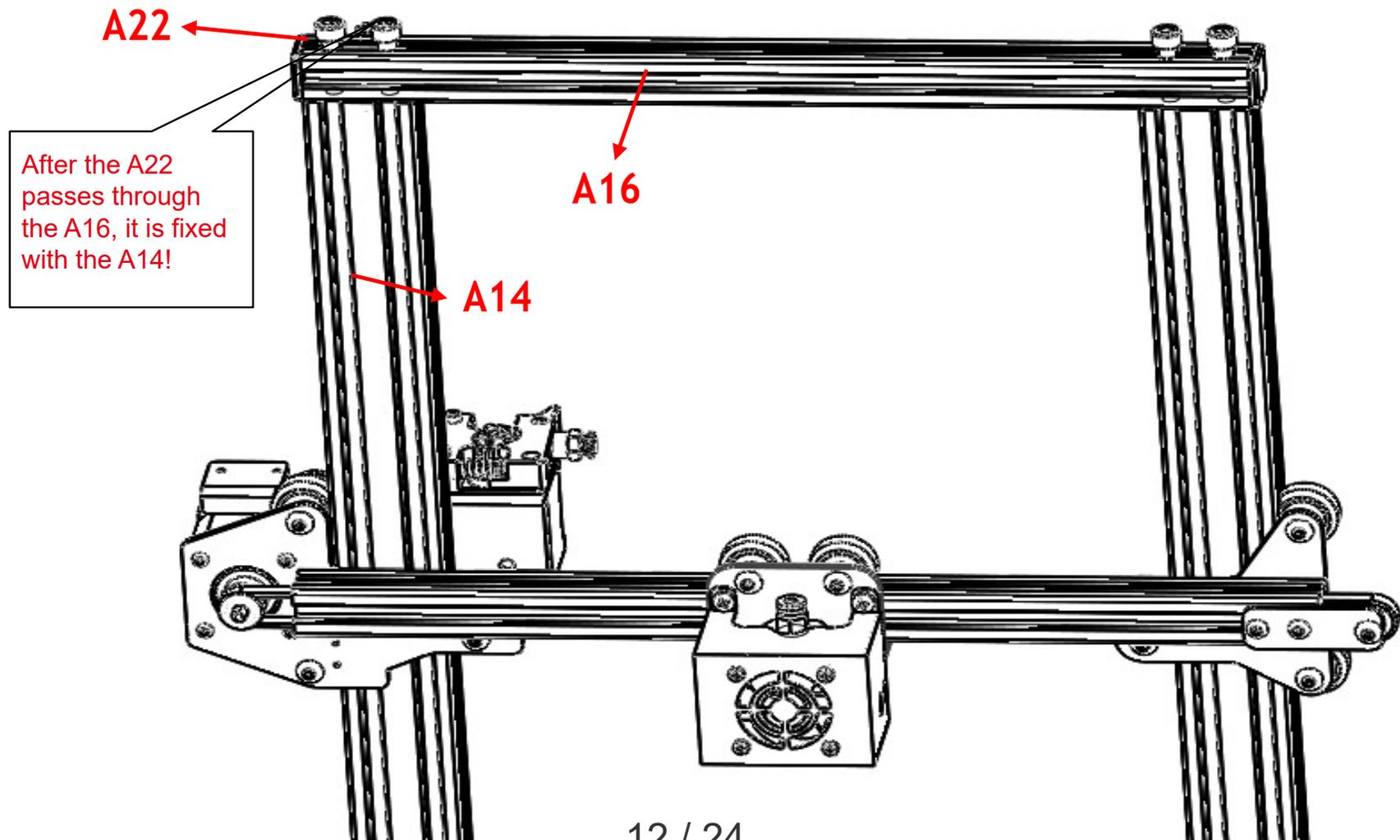


Step 1: Put one end of the timing belt on the A6 into the synchronous wheel of the A2 (the synchronous toothed side is in contact with the synchronous wheel), then press the three pulleys on the A6 against the timing belt into the slot of the A17 from the right side!

Step 2: Put the T-nut on the A10 laterally and push it into the groove of the A17. The timing belt of the A6 is placed on the bearing of the A10. Slide the A10 to the right. When the belt is tightly adjusted to the proper position, tighten the two screws on the A10 to fix it!

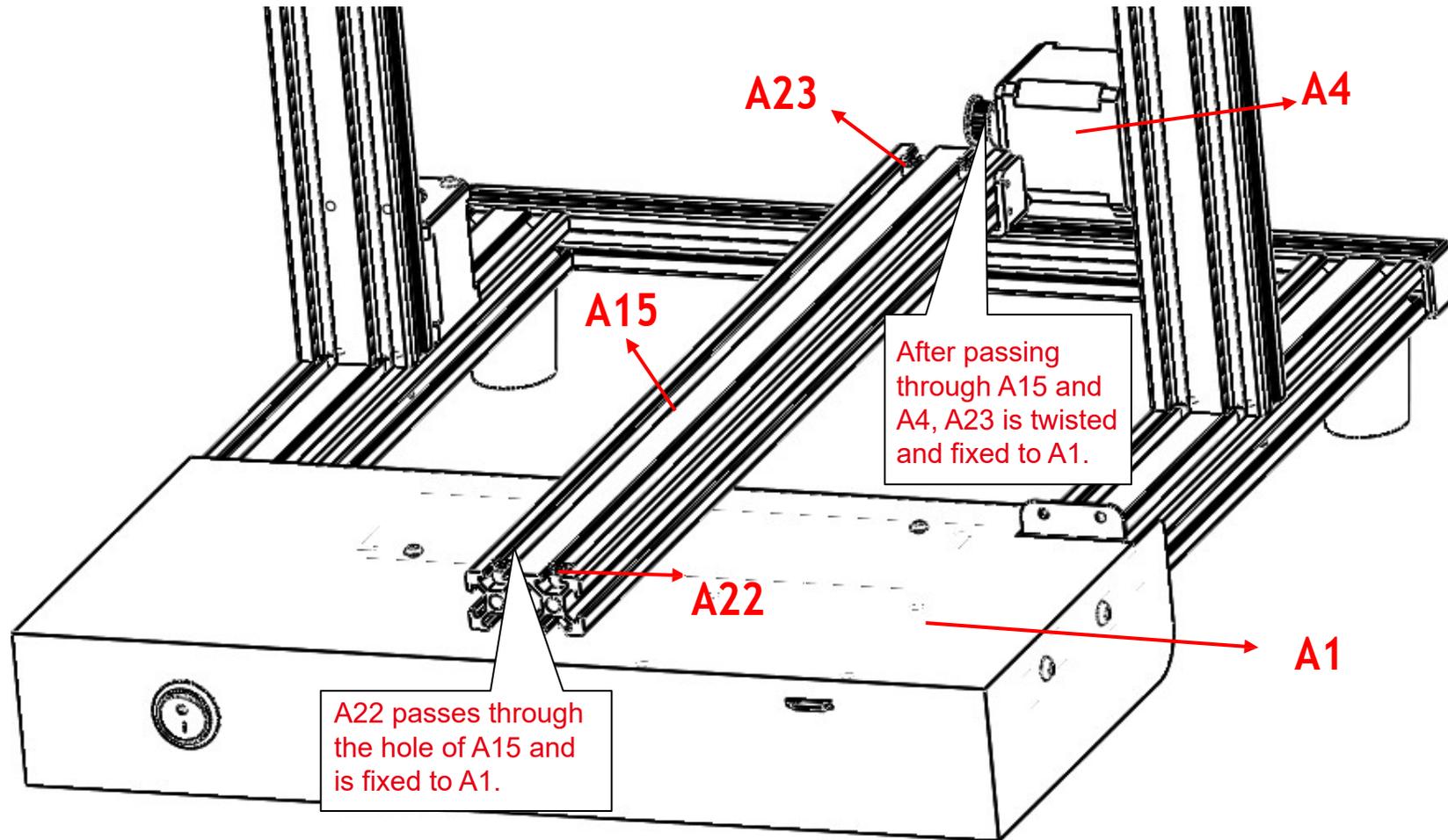
K6 X-axis top beam aluminum profile installation

Combined modules	Tools
$K6=A14+ A16+4*A22$	C1-5



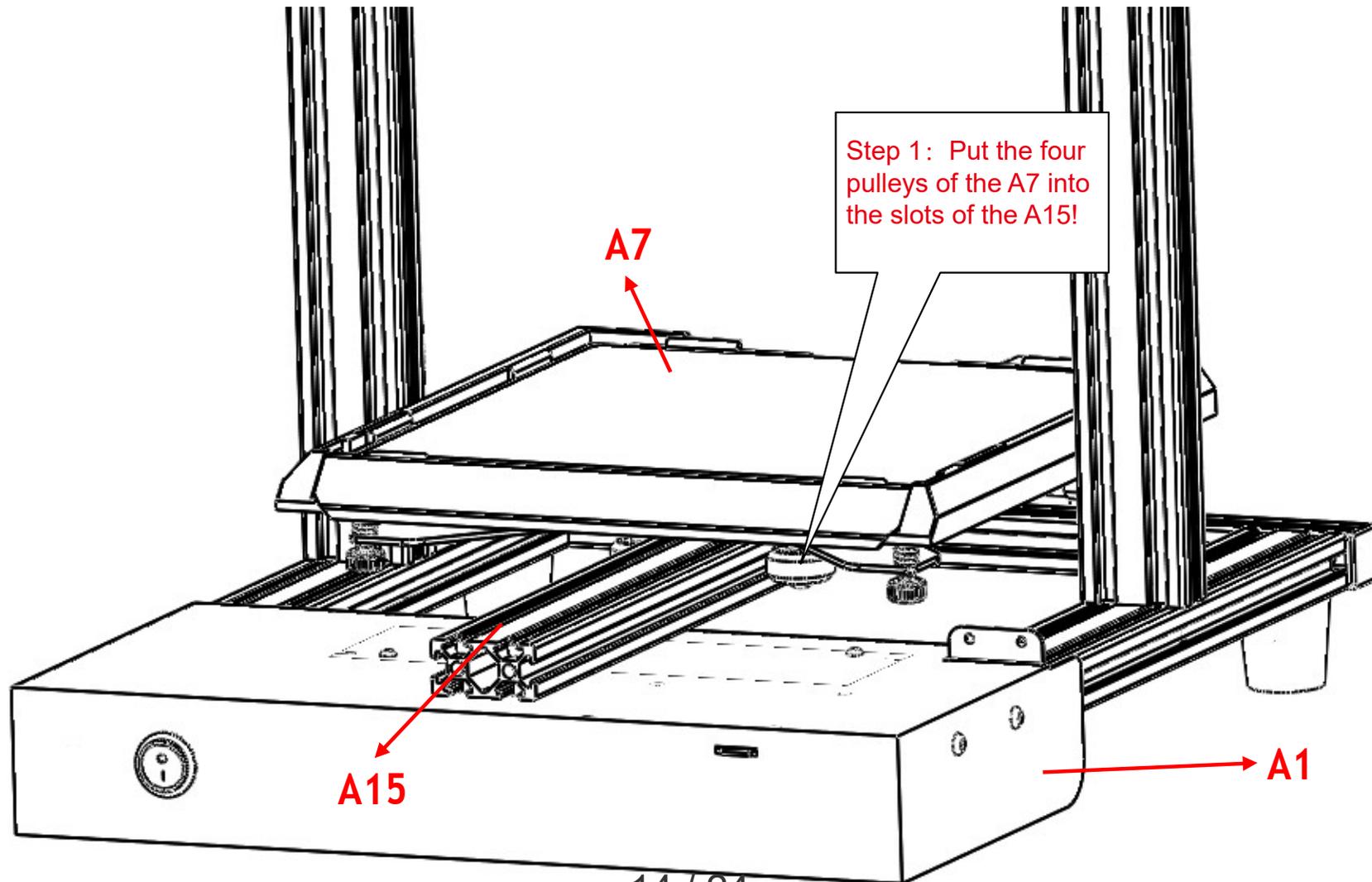
K7 Y motor aluminum profile installation

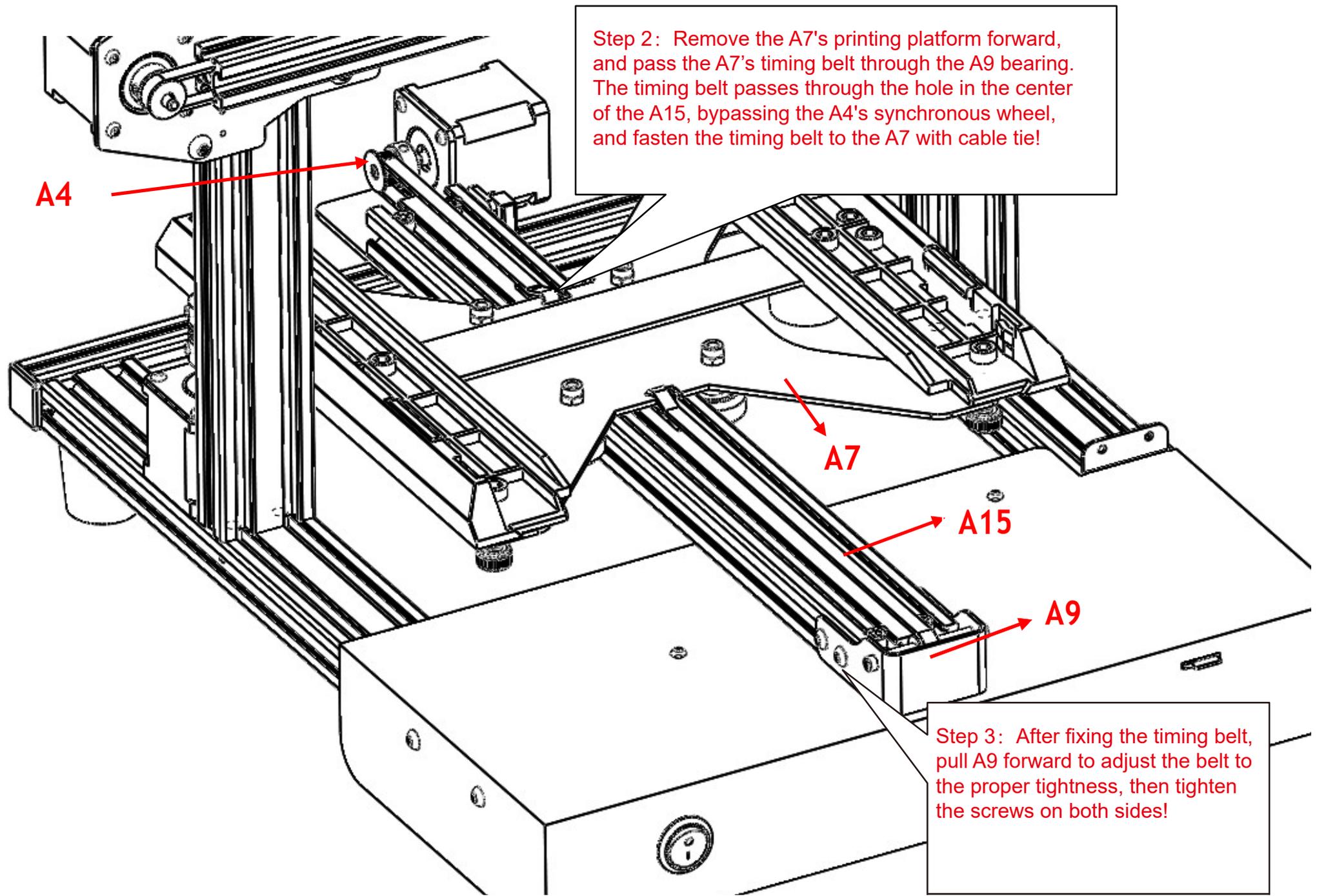
Combined modules	Tools
$K7=A1+A15+A4+2*A22+2*A23$	C1-5



K8 Print platform assembly installation

Combined modules	Tools
K8=A7+ A15+A4+A9	C1-3



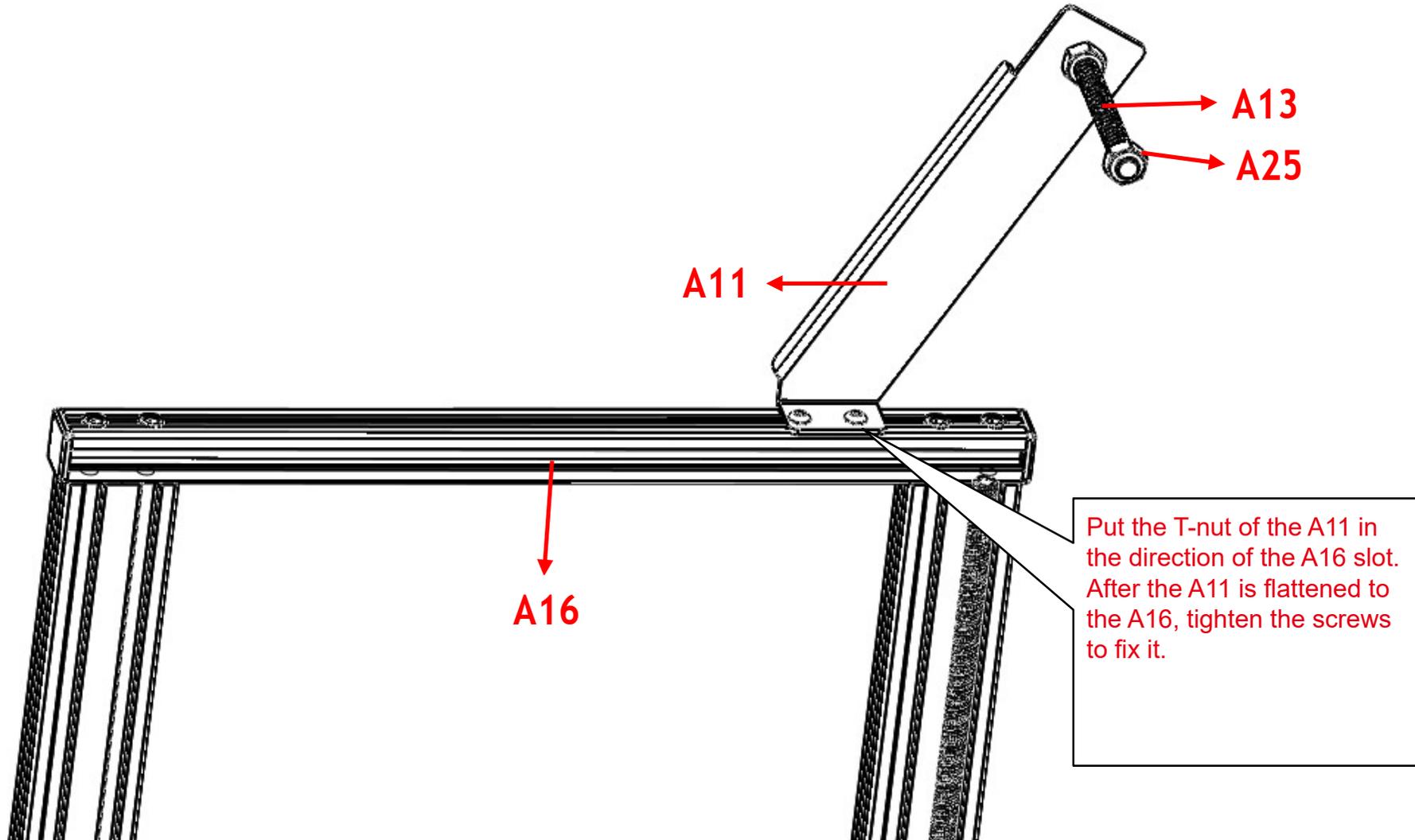


Step 2: Remove the A7's printing platform forward, and pass the A7's timing belt through the A9 bearing. The timing belt passes through the hole in the center of the hole in the center of the A15, bypassing the A4's synchronous wheel, and fasten the timing belt to the A7 with cable tie!

Step 3: After fixing the timing belt, pull A9 forward to adjust the belt to the proper tightness, then tighten the screws on both sides!

K9 Material rack assembly installation (Note: This step is placed after all steps of the circuit wiring are completed.)

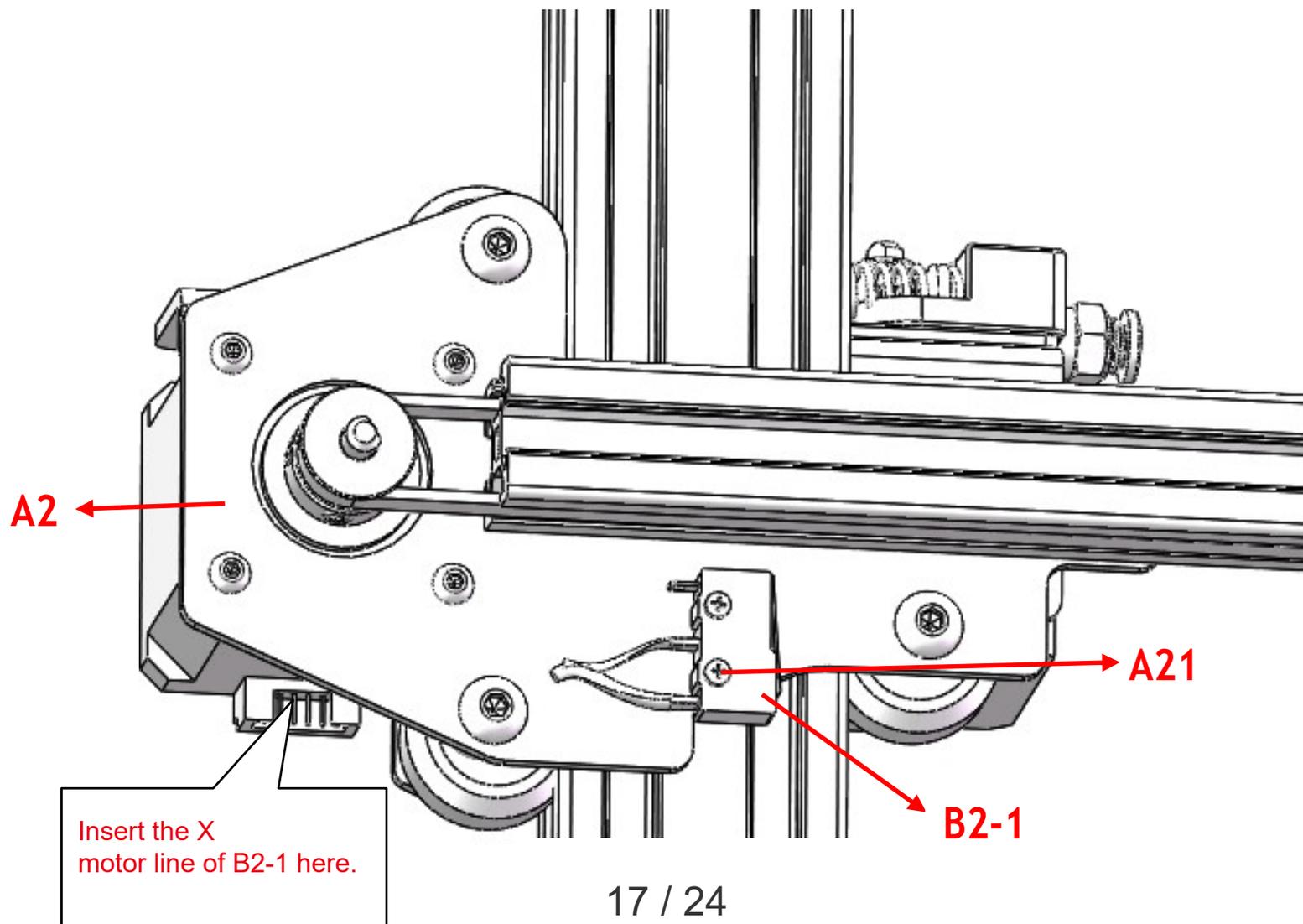
Combined modules	Tools
K9=A16+A11+A13+3*A25	C1-3



5. Circuit Connection

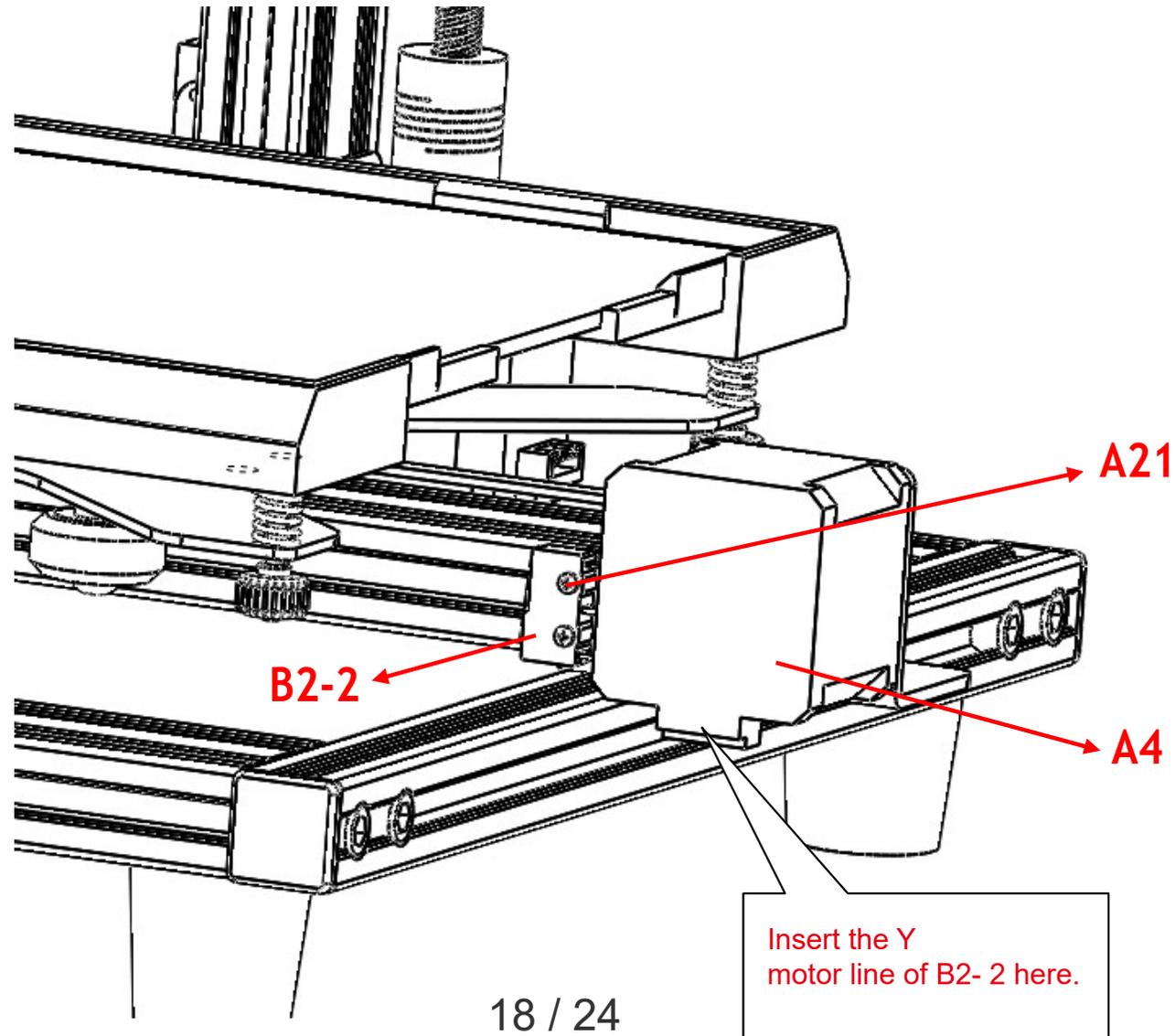
K10 X axis limit switch installation

Combined modules	Tools
K10=B2-1+A2+2*A21	C1-8



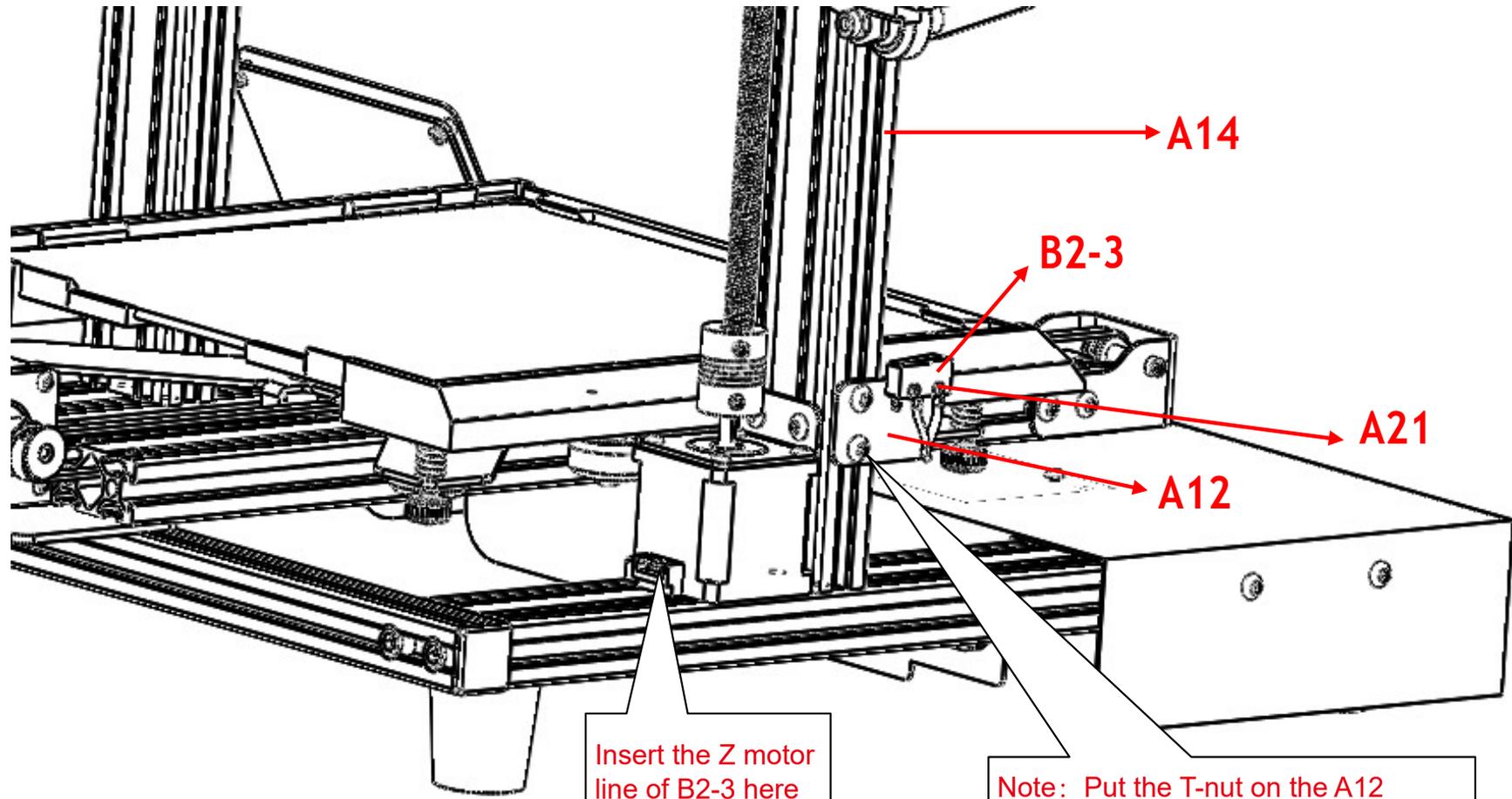
K11 Y axis limit switch installation

Combined modules	Tools
K11=B2-2+A4+2*A21	C1-8



K12 Z axis limit switch installation

Combined modules	Tools
K12=B2-3+A14+A12+2*A21	C1-8

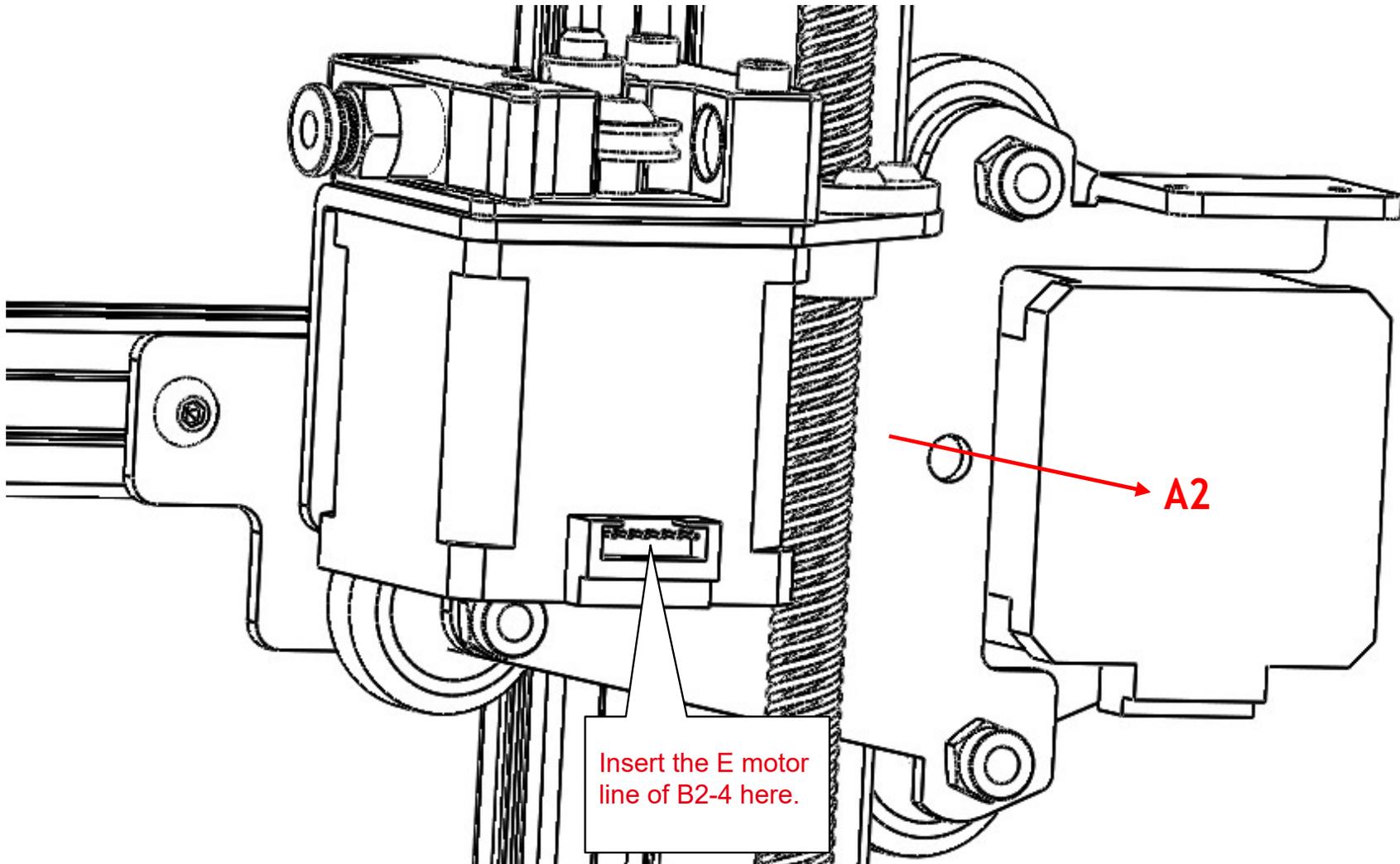


Insert the Z motor line of B2-3 here

Note: Put the T-nut on the A12 vertically and push it into the vertical slot of the A14. When the limit switch and the printing platform are adjusted to the proper position, tighten the screw to fix the A12

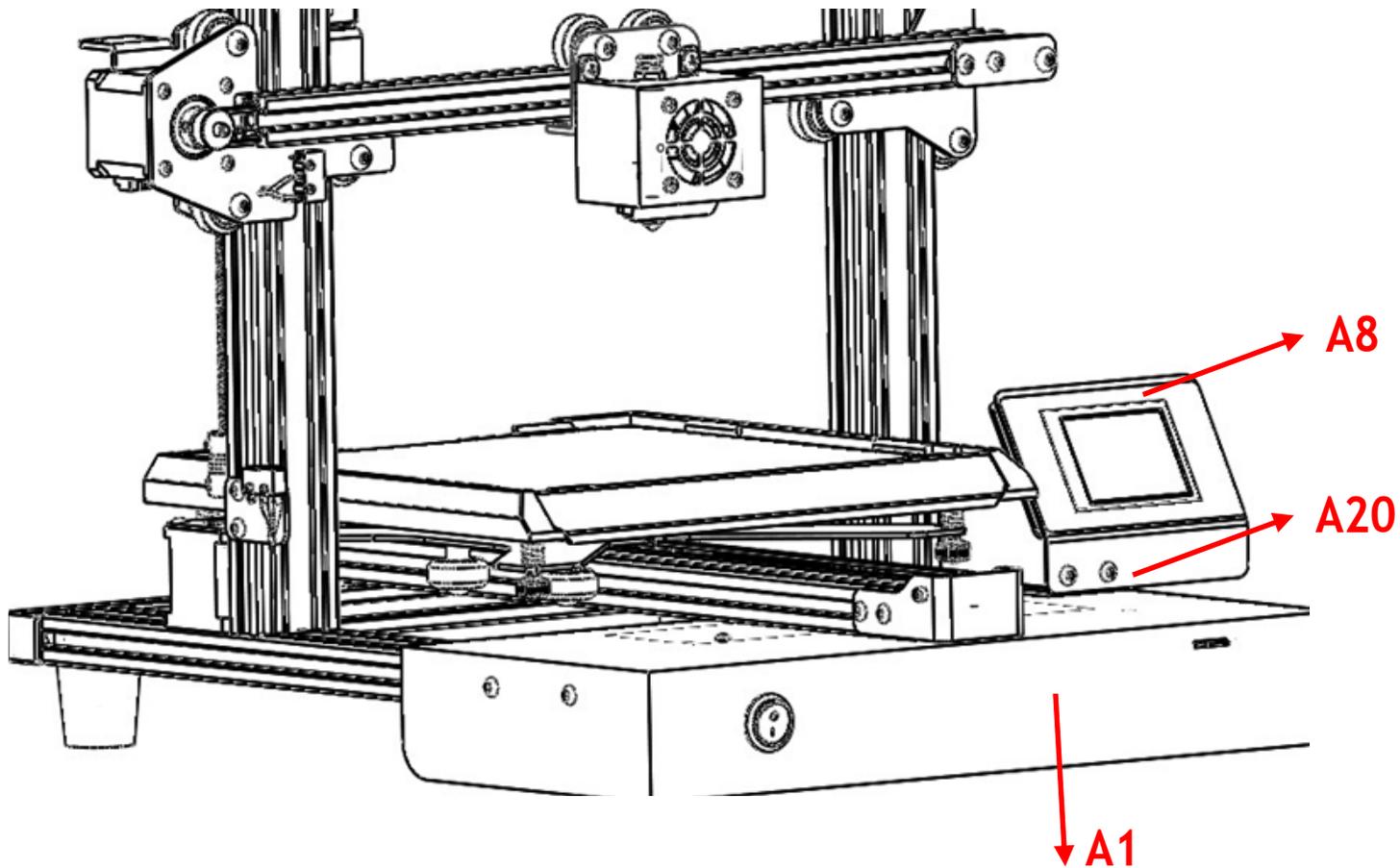
K13 E motor line installation

Combined modules	Tools
K13=B2-4+A2	



K14 Display screen installation

Combined modules	Tools
K14=A1+A8+2*A20+B3	C1-3



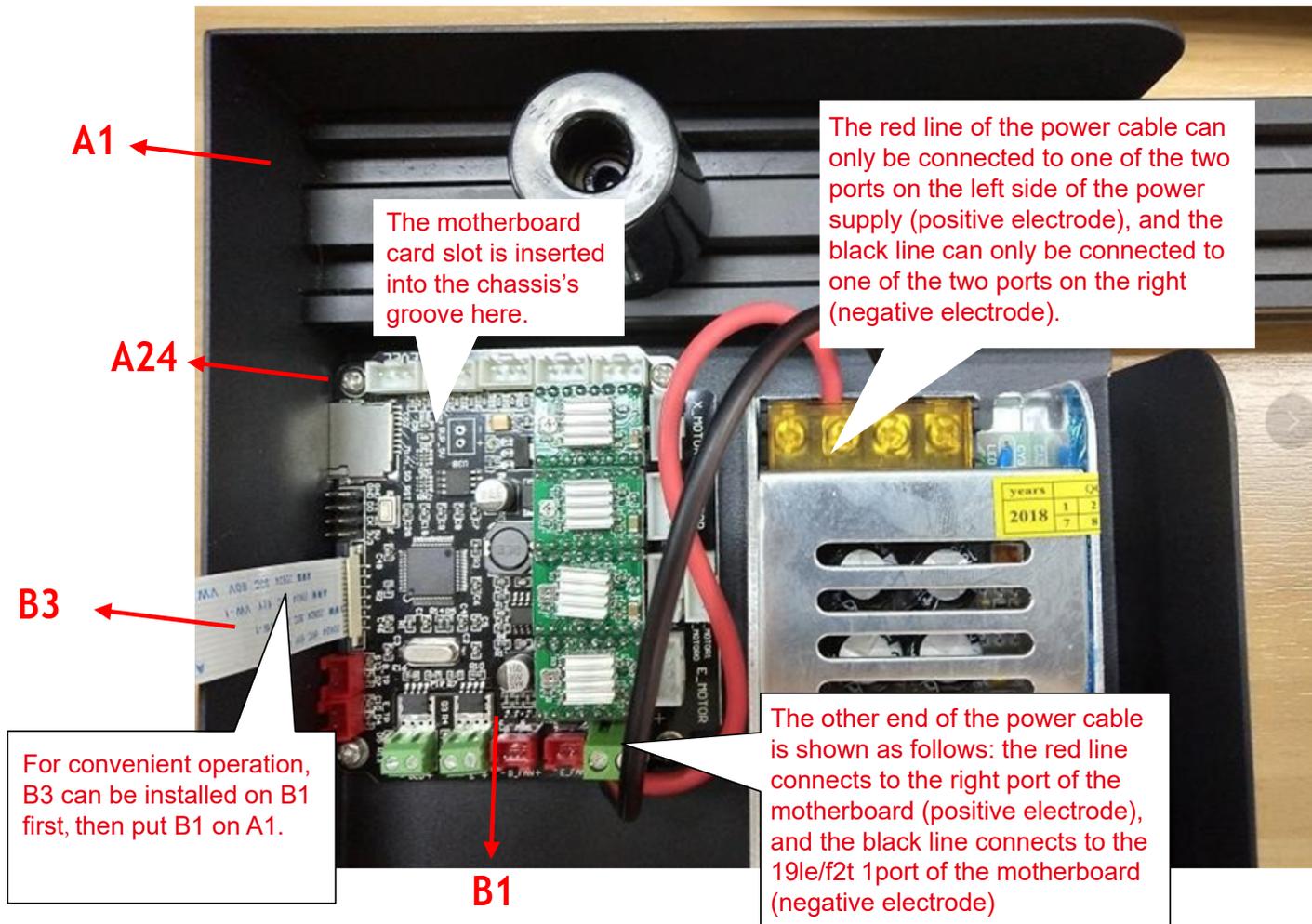
In this place, lightly push out the black cover on the A8, insert the B3 in the direction shown, and push the black cover to fix the B3



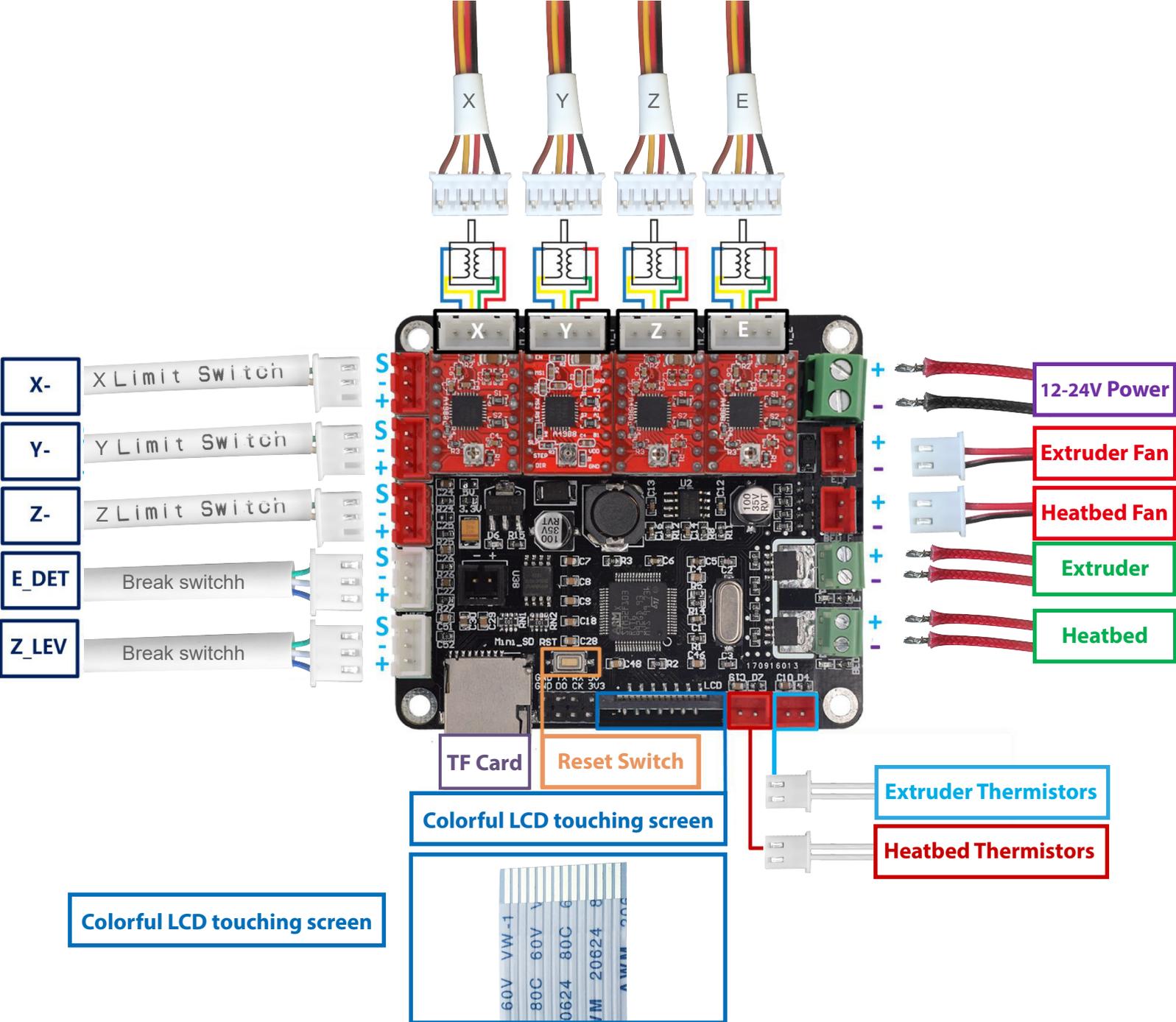
B3

K15 Mainboard installation and wiring

Combined modules	Tools
K15=A1+B1+B3+4*A24	C1-7+C1-8



Mainboard wiring (Please connect the electronics wire to each components correspondingly.)



Finish Installation

Congratulations on having your own 3D printer;

If you have any problems during use, please feel free to contact our customer service team at any time.

Thank you for choosing our product, and we are always here to provide you with more quality services.

WARRANTY

Limited Three-Year Warranty

This warranty only apply to US consumers who purchased our X3 printer at retail for personal, family or household use.- Except as otherwise required under applicable law, this warranty doesn't apply to distributors or other commercial purchasers or owners .We warrant that your x3 printer will be free of defects in materials and workmanship under normal home use for 3 years from the date of original purchase. We recommend that you visit our website, for a fast, efficient way to complete your product registration. However, product registration does not eliminate the need for the consumer to maintain the original proof of purchase in order to obtain the warranty benefits. In the event that you do not have proof of purchase date, the purchase date for purposes of this warranty will be the date of manufacture.