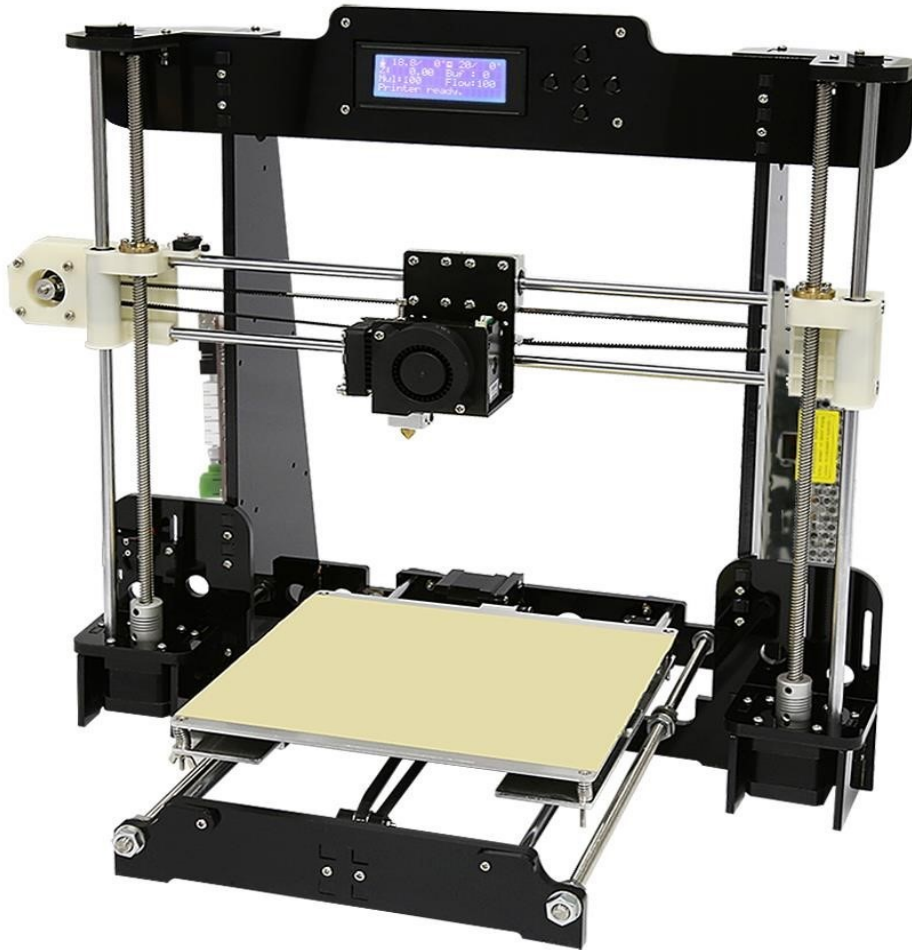


# A8 3D Printer Installation Guide







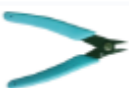






# A8 Assembly Instructions

## **Attention:**















- 1. Please make sure the package not broken when you receive it.**
- 2. Please check the printer parts according to the packing list.**
- 3. Please contact your supplier if any questions.**
- 4. the installation of graphics and text for the model diagram, for reference only, in kind to receive goods prevail.**

# A8 assembly parts list 1















3D Printer A8 assembly parts list

Item	Material number	Picture	Name	QTY	Item	Material number	Picture	Name	QTY
1-1	1700100001		Hot bed fixed aluminum plate	1	2-1	1700200004		Mainboard	1
1-2	1700200001		220mm*220mm*3mm Hot bed	1	2-2	1700300005		Left Z axis nut support	1
1-3	1101900001		Plastic nippers	1	2-3	1700300006		Right Z axis nut support	1
1-4			1.5M Power line	1	2-4	1300300001		Wind mouth	1
1-5	1101900008		5mm*160mm Screwdriver	1	2-5	1700300001		1.7M Belt	1
1-6	1700200002		Four parts below in this bag	1	2-6	1202200007		1.5M USB wire	1















# A8 assembly parts list 2

Item	Material number	Picture	Name	QTY	Item	Material number	Picture	Name	QTY
1-6-1	1700200003		40*10 Fan	1	2-7	1700200005		5015 Air blower	1
1-6-2	1101200002		40*11 Cooling fin	1	2-8	1700300002		Y axis belt bearing support	1
1-6-3	1101700001		Fan cover	1	2-9	1700300003		Five parts below in this bag	1
1-6-4	1700100003		M3*45 Screw 2pcs M3 Spacer 8pcs	1	2-9-1	1300100009		Z axis Limit switch fixed plate	2
1-7	1700100004		Screw bag include below screws	1	2-9-2	1300100004		Y axis motor support	1
1-7-1	1700100005		M3*18 screw 50pcs	1	2-9-3	1300100007		Y axis Limit switch fixed plate	1
1-7-2	1700100006		M3 Nut 64pcs	1	2-9-4	1300100005		Y axis belt fixation clamp	2

# A8 assembly parts list 3

Item	Material number	Picture	Name	QTY	Item	Material number	Picture	Name	QTY
1-7-3	1700100007		M8 Nut 16pcs M8 Spacer 12pcs	1	2-9-5	1300100010		Guide rod back up plate	6
1-7-4	1700100008		M4*8 screw 28pcs M4*14 screw 4pcs	1	2-10	1300100020		Side support plate	2
1-7-5	1700100009		M3*30 screw 14pcs	1	2-11	1300100012		Filament support plate	2
1-7-6	1700100010		M3*12 screw 15pcs	1	2-12	1300100013		Filament support plate connecting plate	2
1-7-7	1700100011		M2*12 screw 2pcs wing nut 4pcs Spring 4pcs	1	2-13	1300100014		Screen baffle plate	1
1-7-8	1700100012		M3*20 screw 4pcs M2.3*10screw 2pcs M3*25 screw 2pcs	1	2-14	1300100008		Z axis motor support Plate	4
1-8	1700200006		Three parts below in this bag	1	2-15	1700200007		8GB TF card and card reader	1







# A8 assembly parts list 4

Item	Material number	Picture	Name	QTY	Item	Material number	Picture	Name	QTY
1-8-1	1202100006		Wire 65CM	1	3-1	1300100017		Bottom support plate	1
1-8-2	1700200013 1700200014 1700200014		Z Limit switch A 20CM X Limit switch B 50CM Y Limit switch C 50CM	3	3-2	1300100016		Top support plate	1
1-8-3	1300400003 1300400004		Pillar washer M3*7 4pcs Pillar washer M3*15 4pcs	8	3-3	1300100011		Back plate	1
1-9	1700100013		Three parts below in this bag	1	3-4	1300100015		Front plate	1
1-9-1	1101900010		3mm*130mm Screwdriver	1	3-5	1700300024		Support plate lock plate	2
1-9-2	1101900004 1101900006 1101900005 1101900007		Hex wrench M1.5 Hex wrench M2 Hex wrench M2.5 Hex wrench M3	4	3-6	1300100019		Z axis motor fixed plate	2
1-9-3	1101900002		Open spanner	1	3-7	1300100003		Y axis motor fixed plate	1

# A8 assembly parts list 5

Item	Material number	Picture	Name	QTY	Item	Material number	Picture	Name	QTY
1-10	1300500005		Four parts below in this bag	1	3-8	1700100016		Extruder	1
1-10-1	1300500001		4.5M Winding pipe	1	3-9	1700200008		X axis motor	1
1-10-2	1300900001		Belting	10	3-10	1700200009		Y axis motor	1
1-10-3	1300400006		R clip	3	3-11	1700200010		Z axis motor	2
1-10-4	1300400005		Locating piece	2	3-12	1101300008		Linear bearing	7

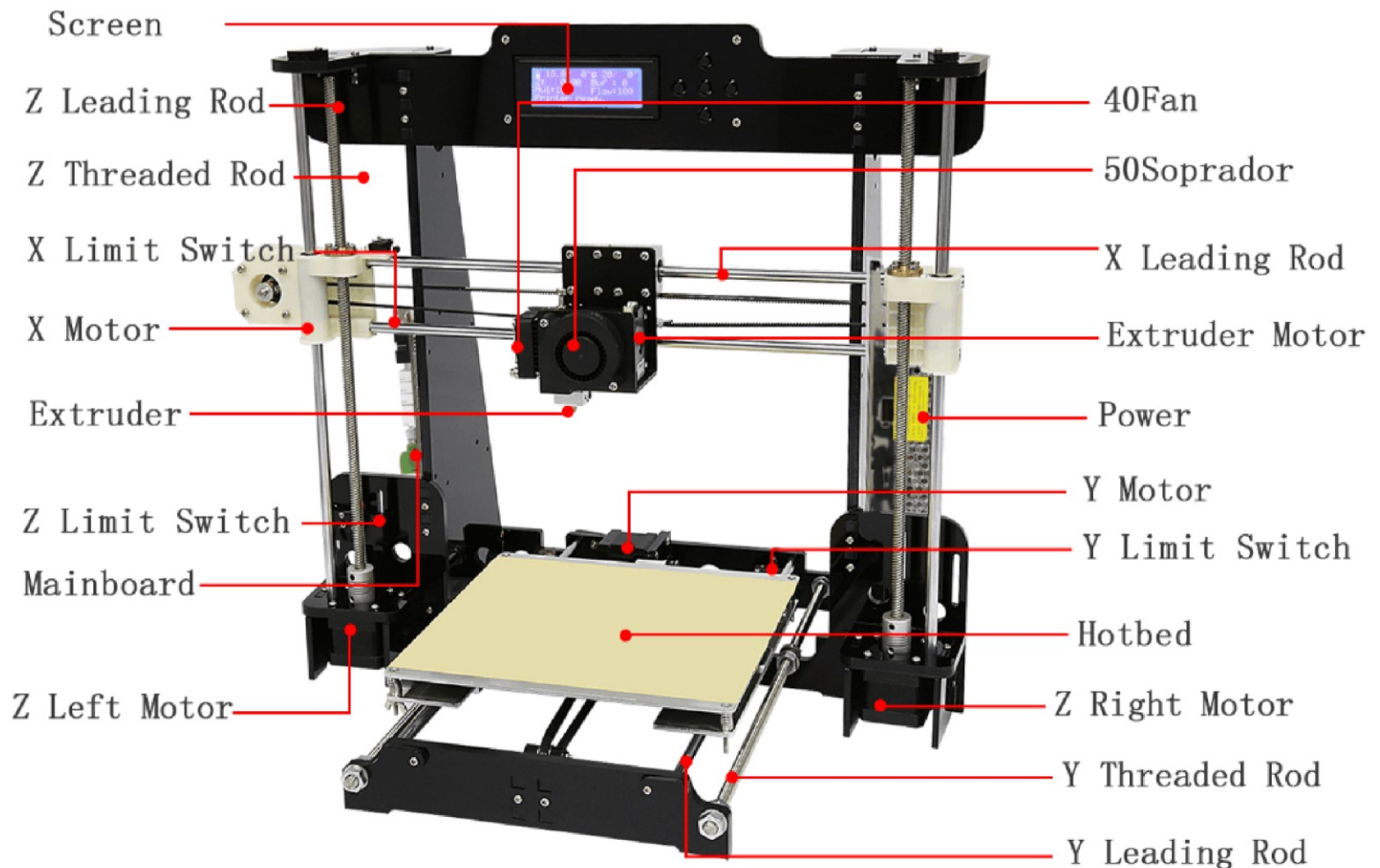
# A8 assembly parts list 6

Item	Material number	Picture	Name	QTY	Item	Material number	Picture	Name	QTY
1-11	1700200011		LCD 2004 screen	1	3-13	1700100014		Guide rod 436mm 2pcs Guide rod 380mm 4pcs	6
1-12	1202100031		X Motor line 40CM Y Motor line 40CM Left Z Motor line 40CM Right Z Motor line 90CM Extruder Motor line 90CM	5	3-14	1700100015		T type lead screw M8*345mm 2pcs Threaded rod M8*400mm 2pcs Threaded rod M8*150mm 1pcs	5
1-13	1700200027		Heat bed line 90CM	1	3-15	1200100002		Power Supply	1

**Please check printer parts quantity when you receive it .**



# Name of each printer part



# Assembly Step 1

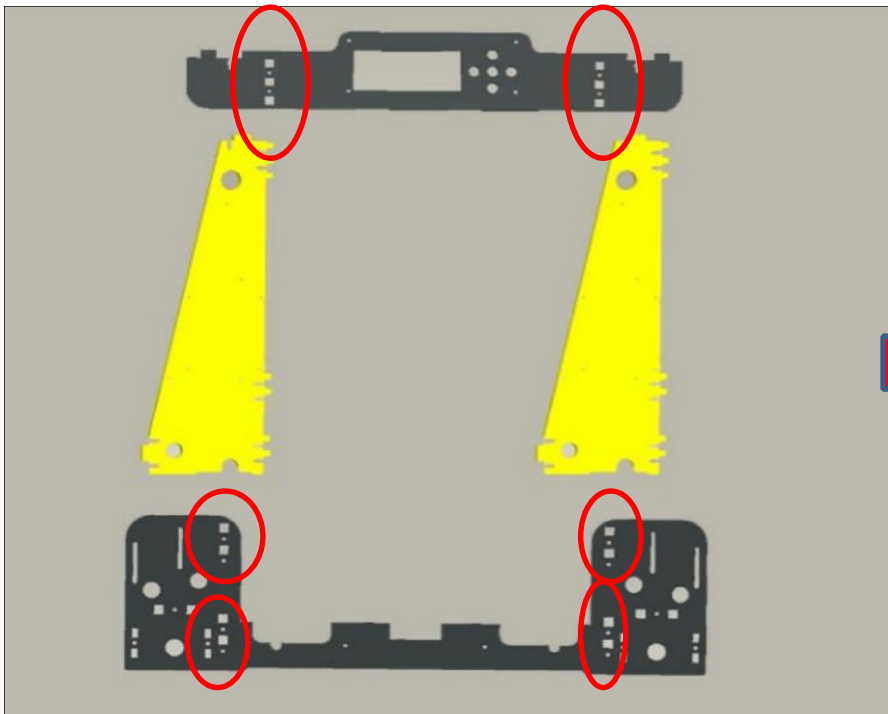
Please be aware the screw holes is in red circles

Name and Qty. of printer parts

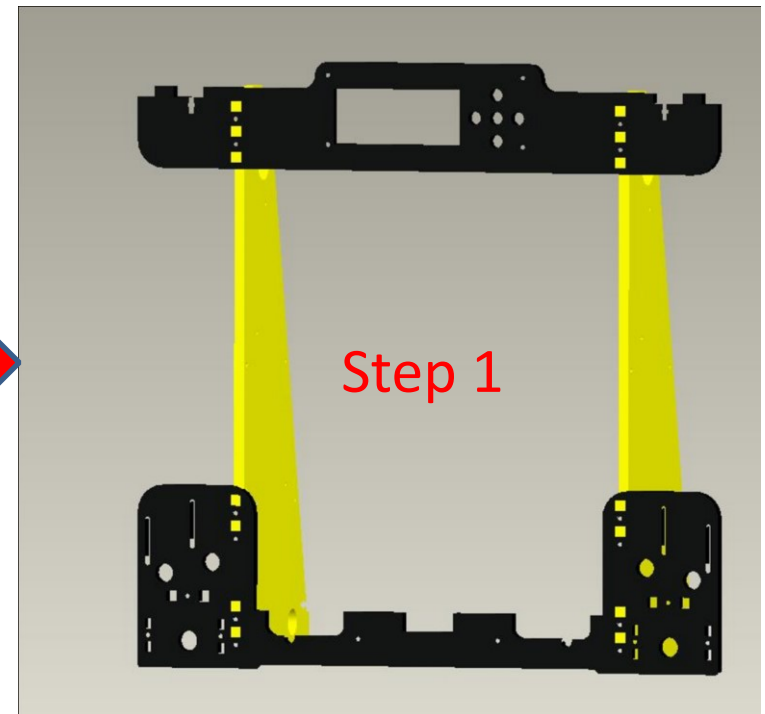
Item	Name of parts	QTY.
1	Bottom support plate	1
2	Top support plate	1
3	Side support plate	2
4	M3*18 Screw	12
5	M3 Nut	12



Before Assembly



After Assembly



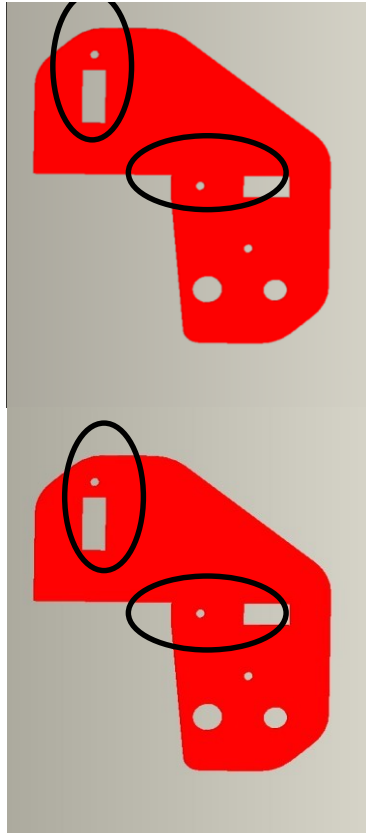
# Assembly Step 2

Please be aware the screw holes is in black circles

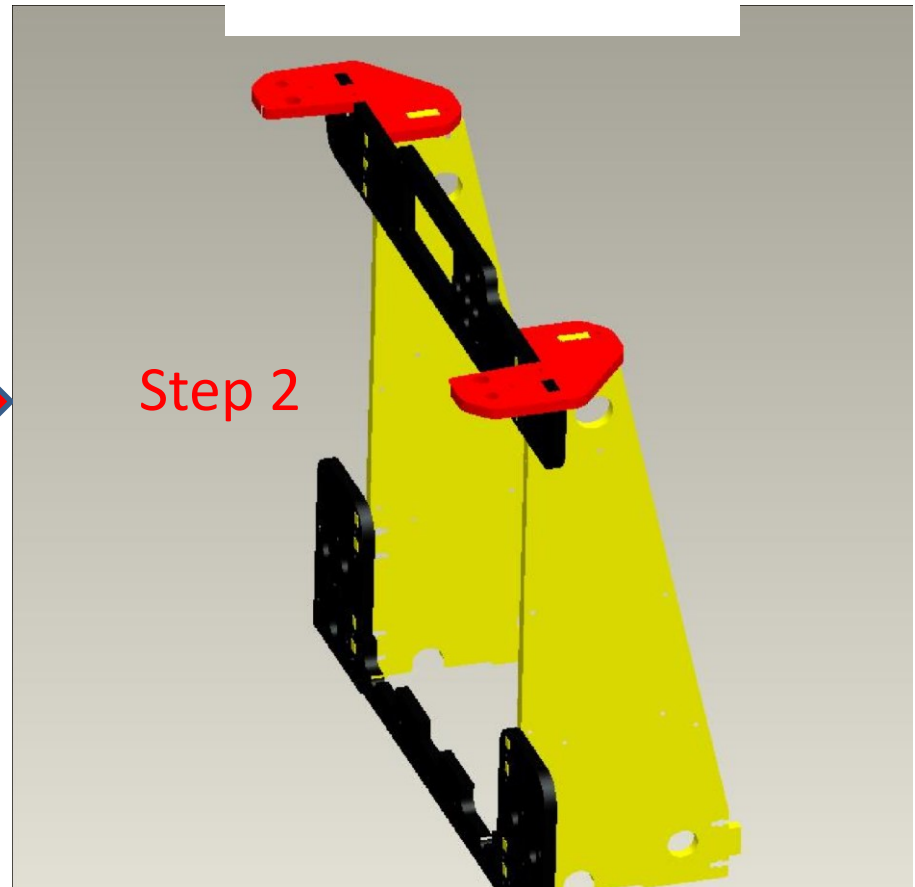


Name and Qty. of printer parts		
Item	Name of parts	QTY.
1	Step 1	1
2	Support plate lock plate	2
3	M3*18 Screw	4
4	M3 Nut	4

**Before Assembly**



**After Assembly**



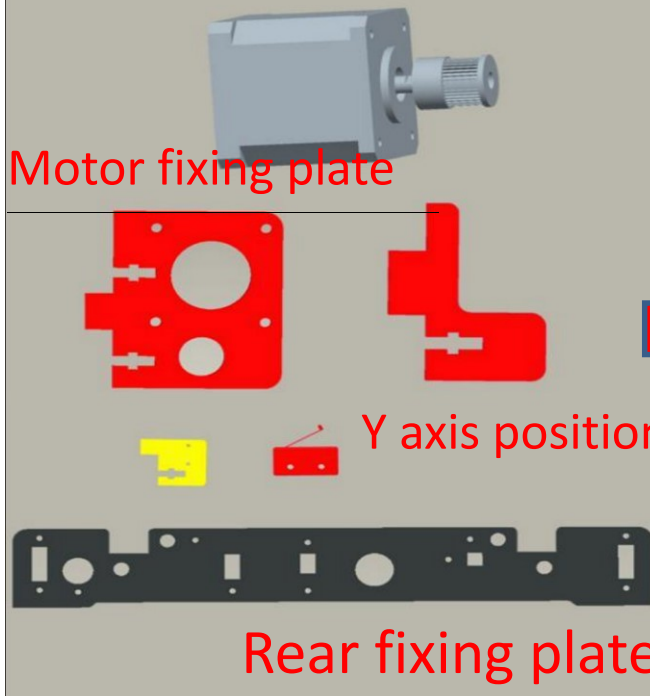
# Assembly Step 3



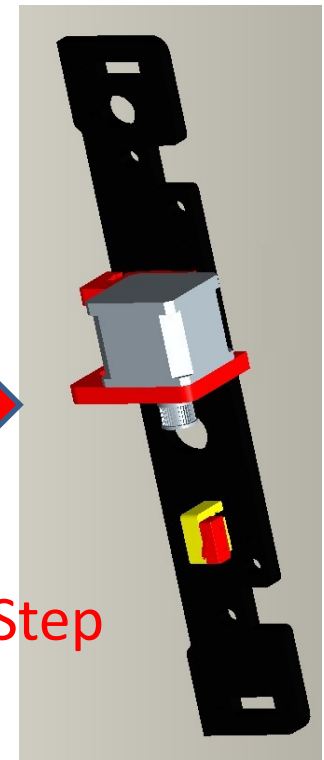
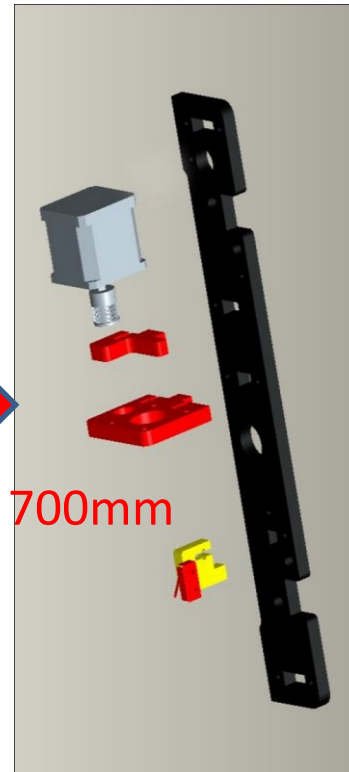
Name and Qty. of printer parts		
Item	Name of parts	QTY.
1	Back plate	1
2	Y axis motor	1
3	Y axis motor support	1
4	Y axis motor fixed plate	1
5	Y axis Limit switch fixed plate	1
6	Y axis Limit switch C 70CM	1
7	M3*12 screw	4
8	M2*12 screw	2
9	M3*18 screw	4
10	M3 Nut	4

## Before Assembly

Y axis motor and wire 400mm



## After Assembly



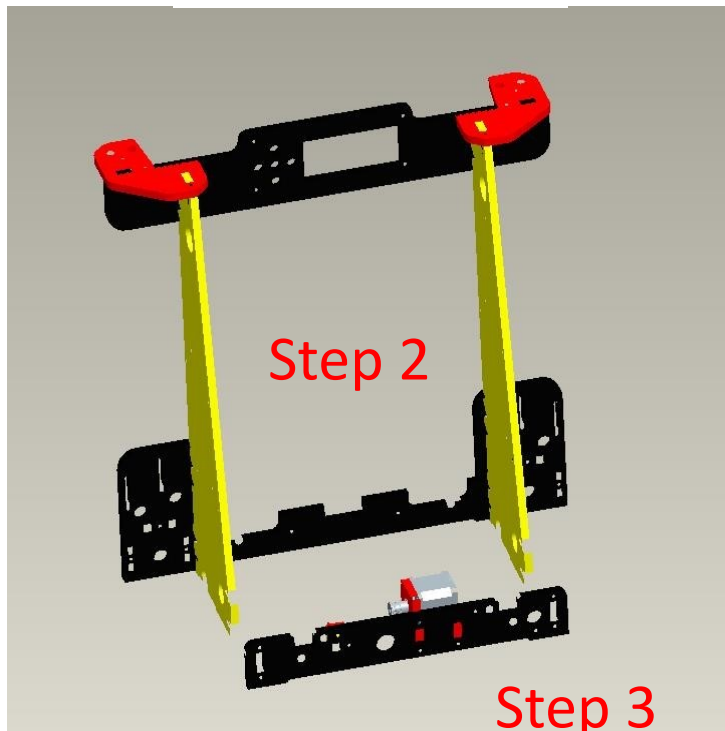
Step

# Assembly Step 4

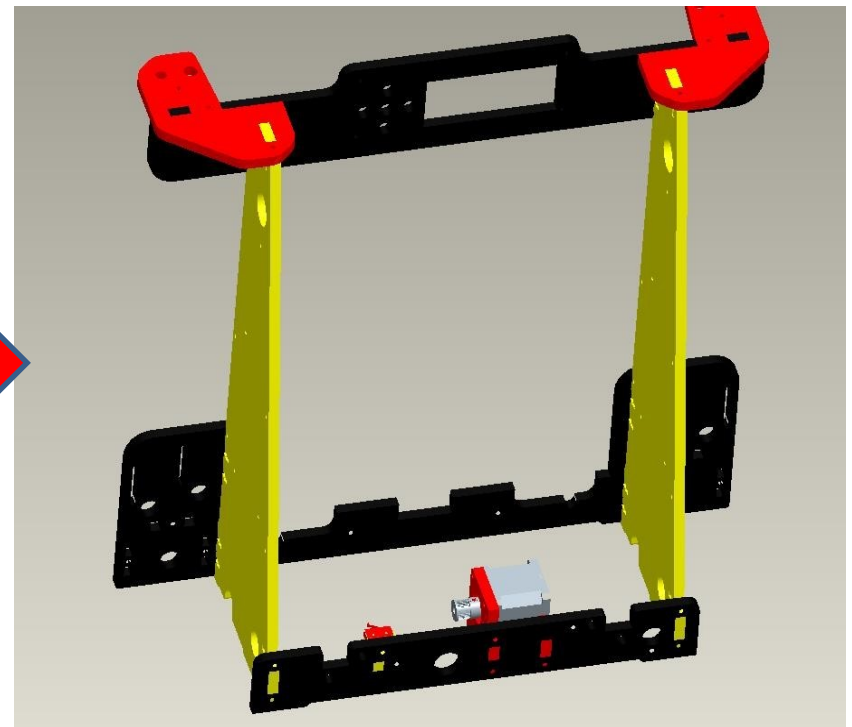
Name and Qty. of printer parts		
Item	Name of parts	QTY.
1	Step 2	1
2	Step 3	1
3	M3*18 screw	4
4	M3 Nut	4



**Before Assembly**



**After Assembly**

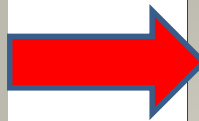
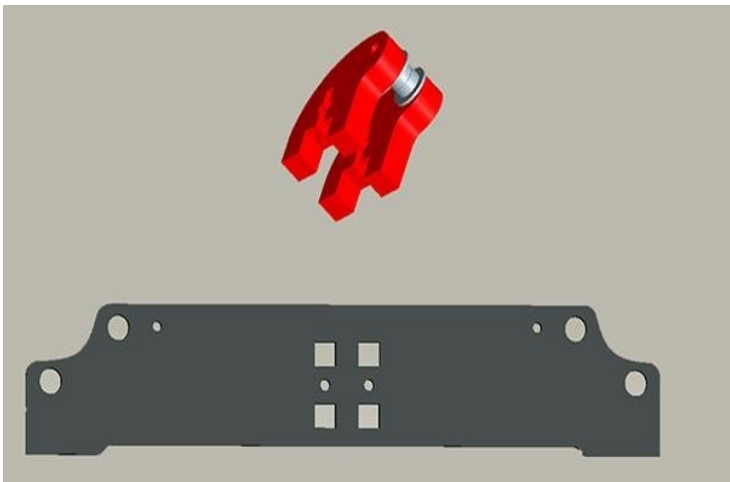


# Assembly Step 5

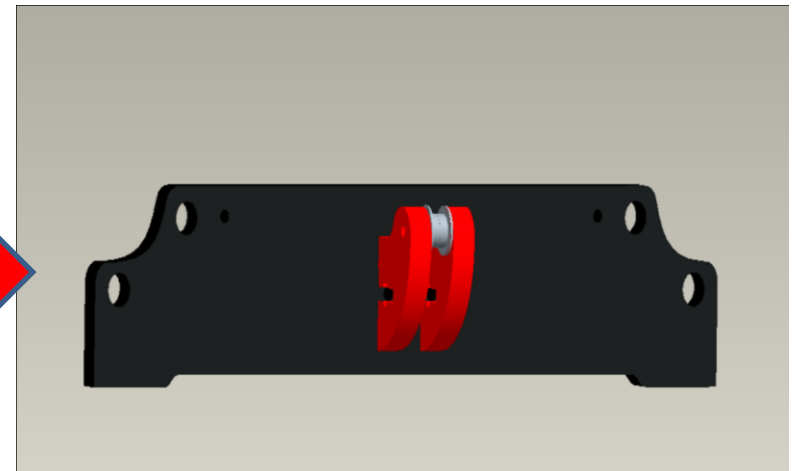
Name and Qty. of printer parts		
Item	Name of parts	QTY.
1	Y axis belt bearing support	1
2	Front plate	1
3	M3*18 screw	2
4	M3 Nut	2



**Before Assembly**

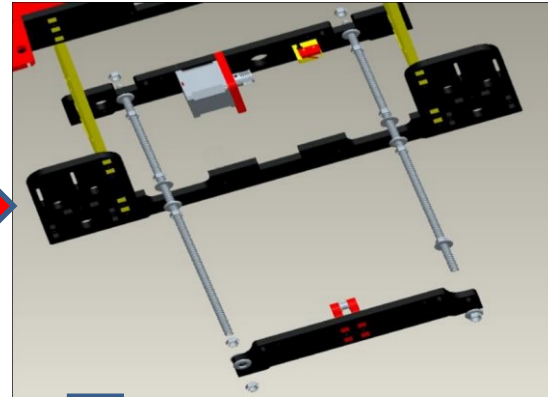
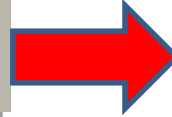
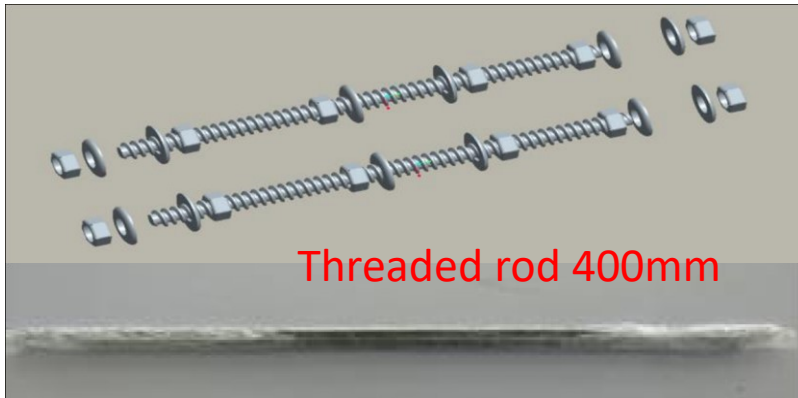


**After Assembly**



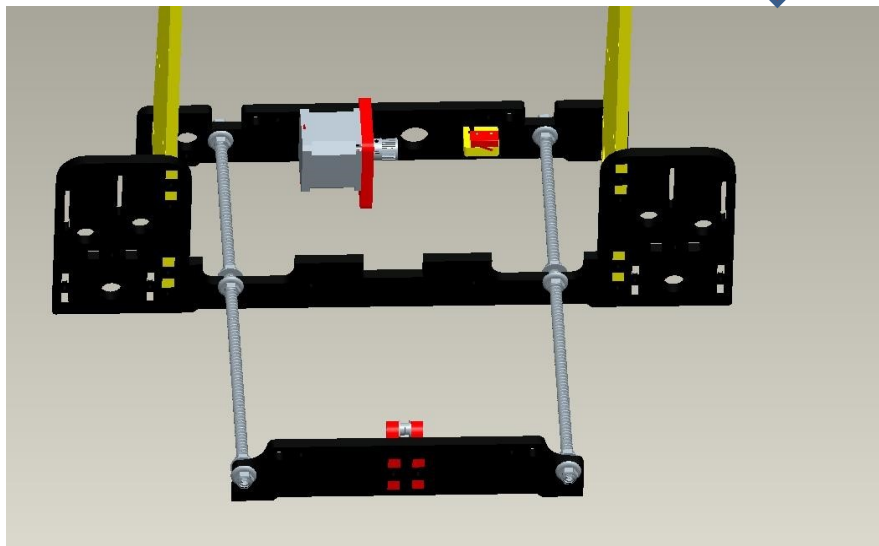


# Assembly Step 6



**Before Assembly**

**After Assembly**



**Name and Qty. of printer parts**

Item	Name of parts	QTY.
1	Step 4	1
2	Step 5	1
3	Threaded rod 400mm	2
4	M8 Nut	12
5	M8 Spacer	12

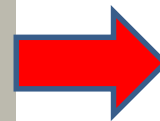
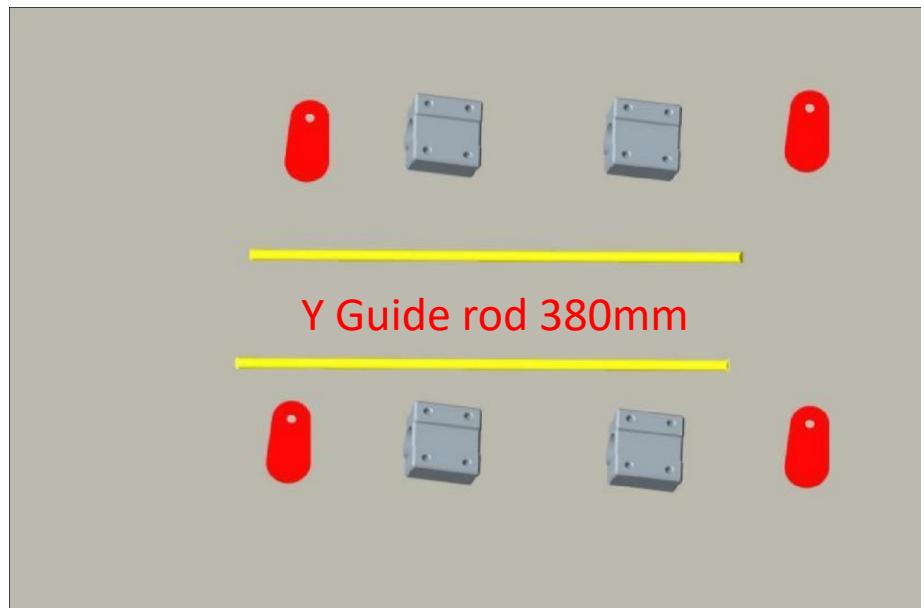
# Assembly Step 7

Name and Qty. of printer parts

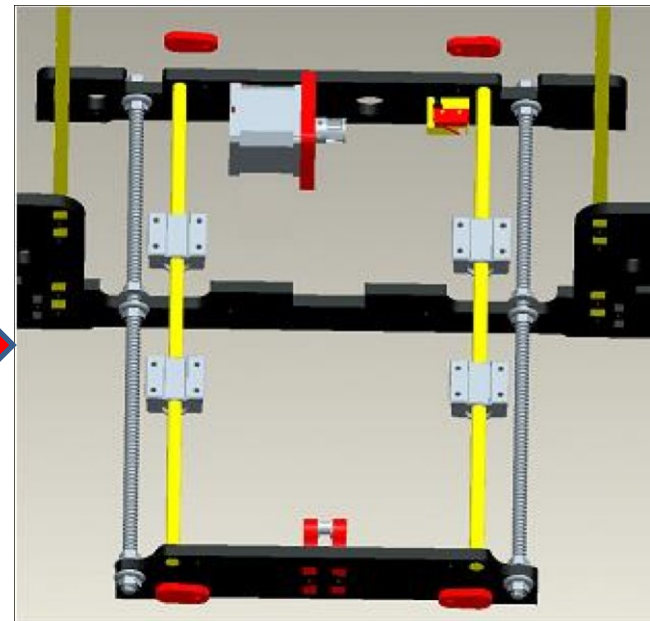
Item	Name of parts	QTY.
1	Step 6	1
2	Y axis Guide rod	2
3	Guide rod back up plate	4
4	Linear bearing	4
5	M3*18 Screw	4
6	M3 Nut	4



**Before Assembly**



**After Assembly**





# Assembly Step 8

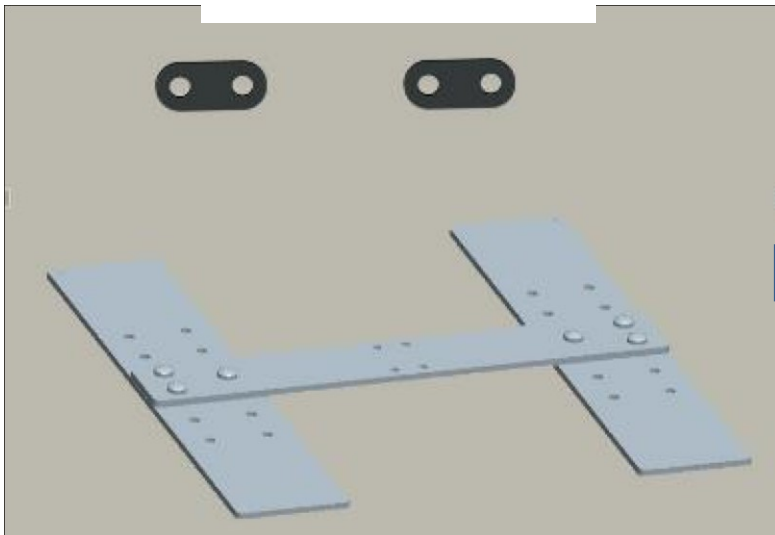


Name and Qty. of printer parts

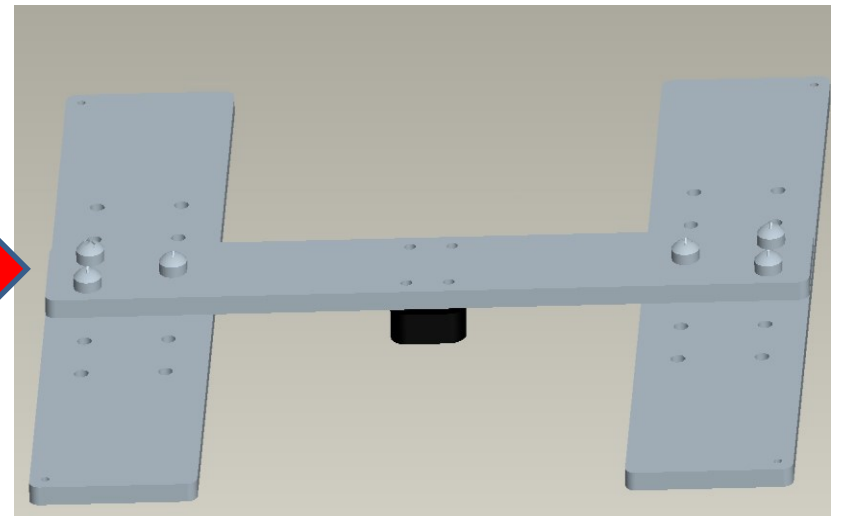
Item	Name of parts	QTY.
1	Hot bed fixed aluminum plate	1
2	Y axis belt fixation clamp	2
3	M4*14 screw	4

Attention: Leave vacancy between belt fixation clamp and hot bed fixed plate for belt positioning.

Before Assembly

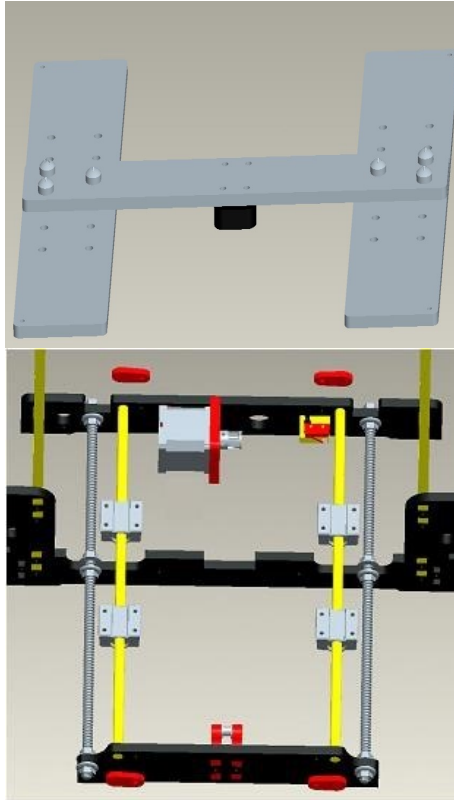


After Assembly

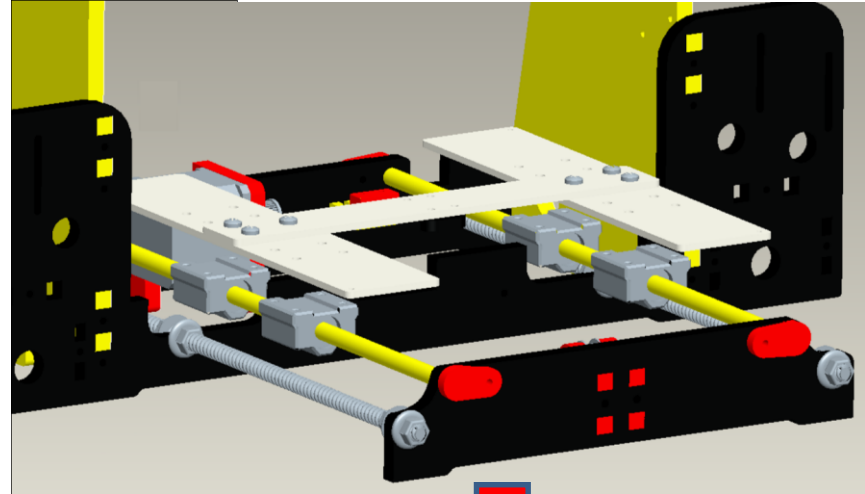


# Assembly Step 9

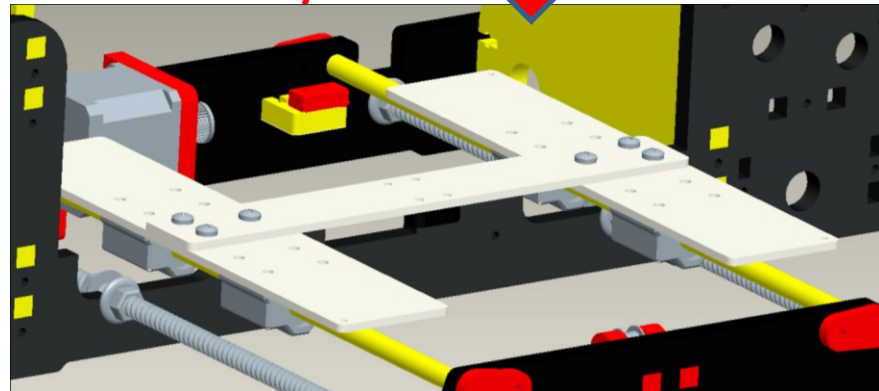
Before Assembly



Name of QTY. of printer part		
Item	Name of parts	QTY.
1	Step 7	1
2	Step 8	1
3	M4*8 Screw	16



After Assembly



Attention: Please diagonally tighten the screws when all are in there place

# Assembly Step 10

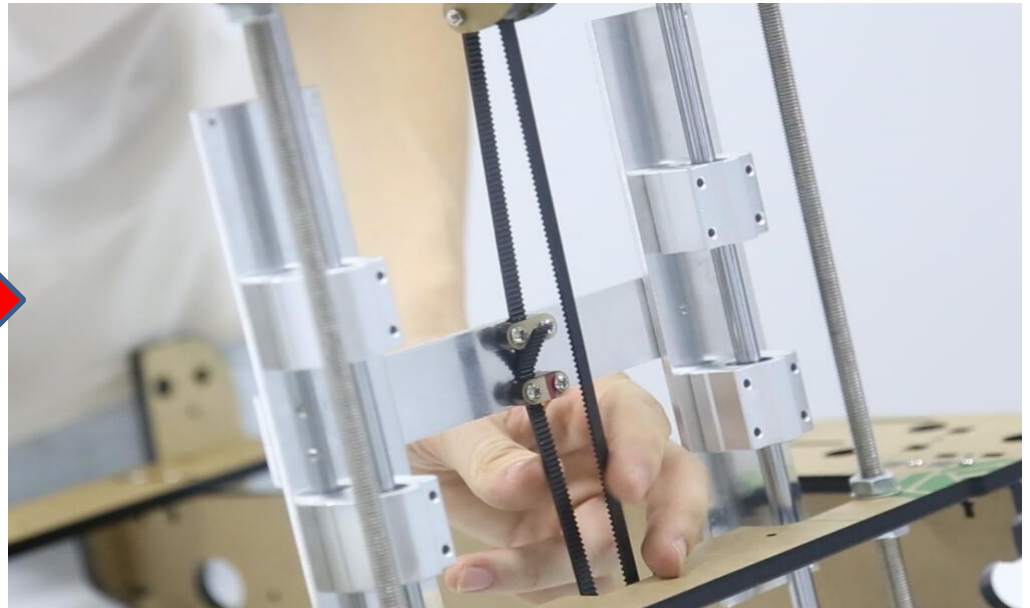
Name and Qty. of printer parts

Item	Name of parts	QTY.
1	Belt	1

**Before Assembly**



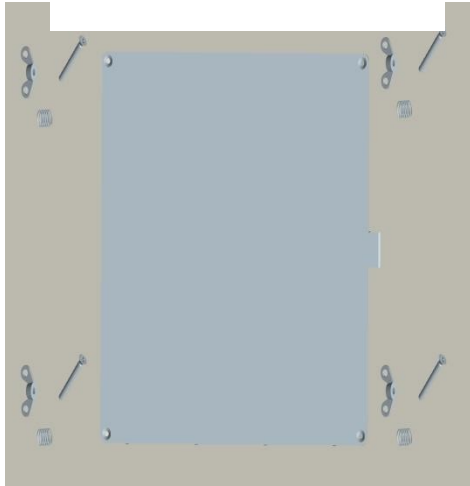
**After Assembly**



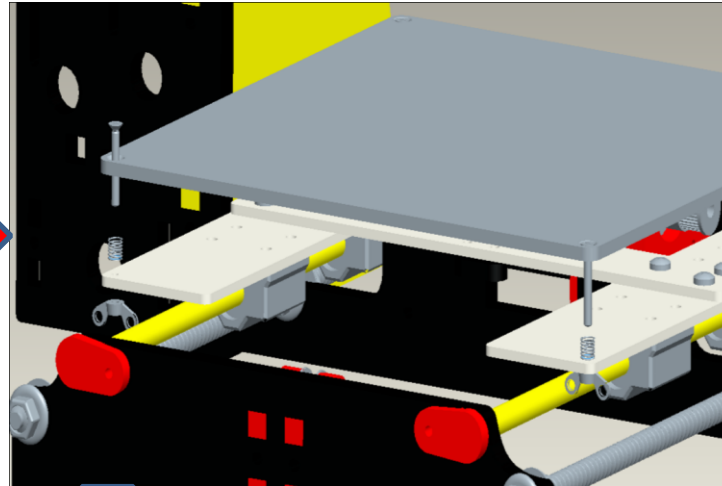
**Attention: Belt is for X&Y axis transmitting .Cut the length you need to each transmission shaft. The belt is 1.5m in total and 10-20 cm left after installation.**

# Assembly Step 11

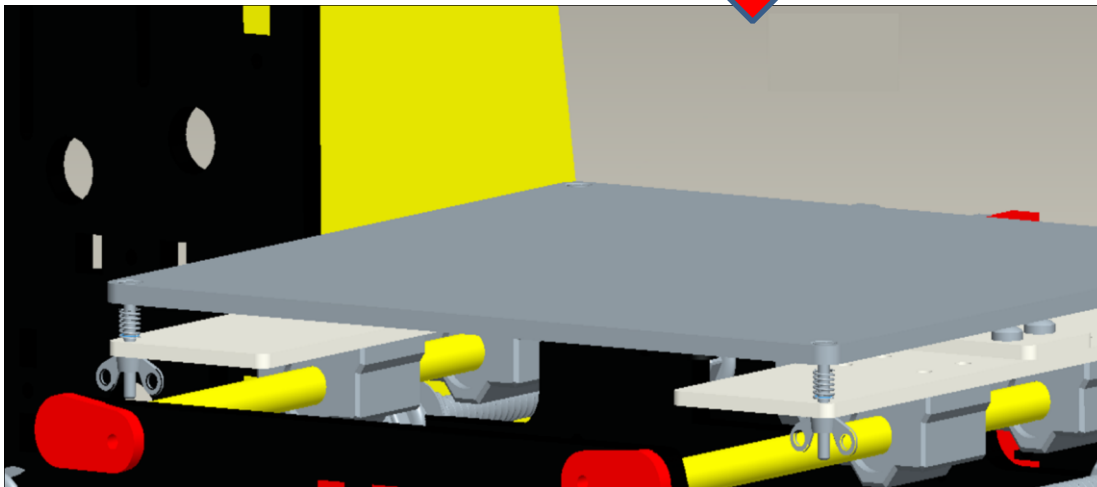
**Before Assembly**



wing nuts will keep the height of hot bed level as well as firming the hotbed.



**After Assembly**



**Name and Qty. of printer parts**

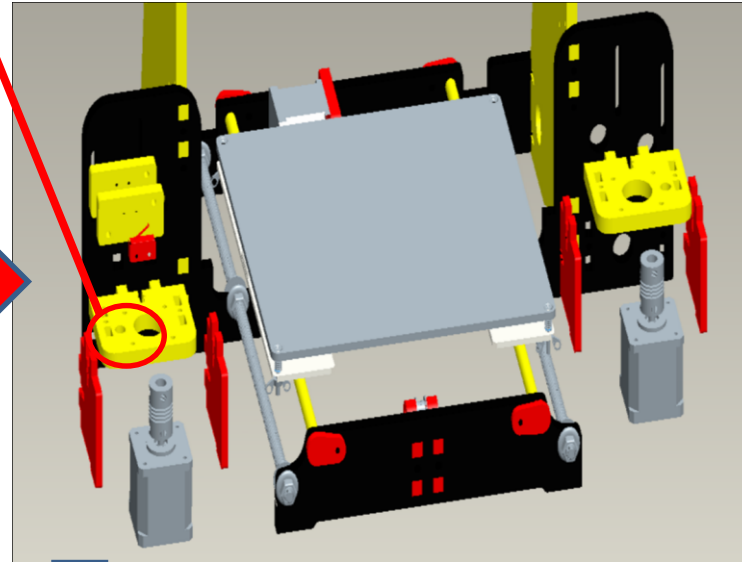
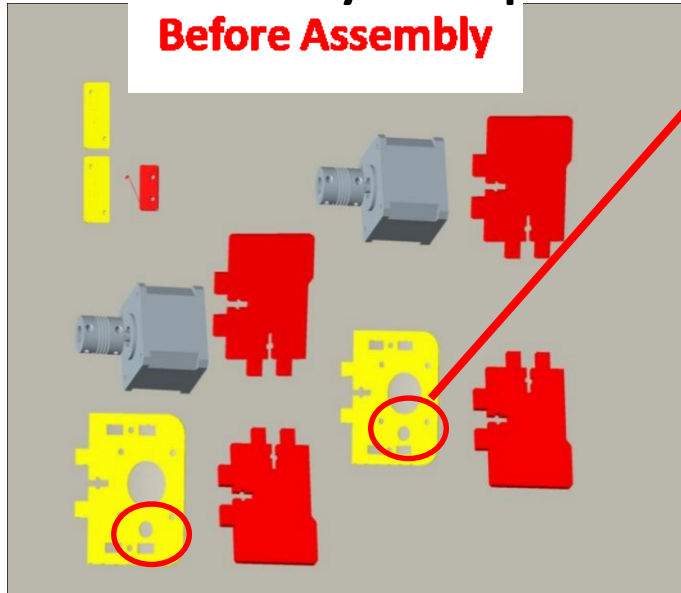
Item	Name of parts	QTY.
1	Step 9	1
2	Hot bed	1
3	M3*30 Screw	4
4	Spring	4
5	M3 wing nut	4

screws should be in the bottom, and

# Assembly Step 12

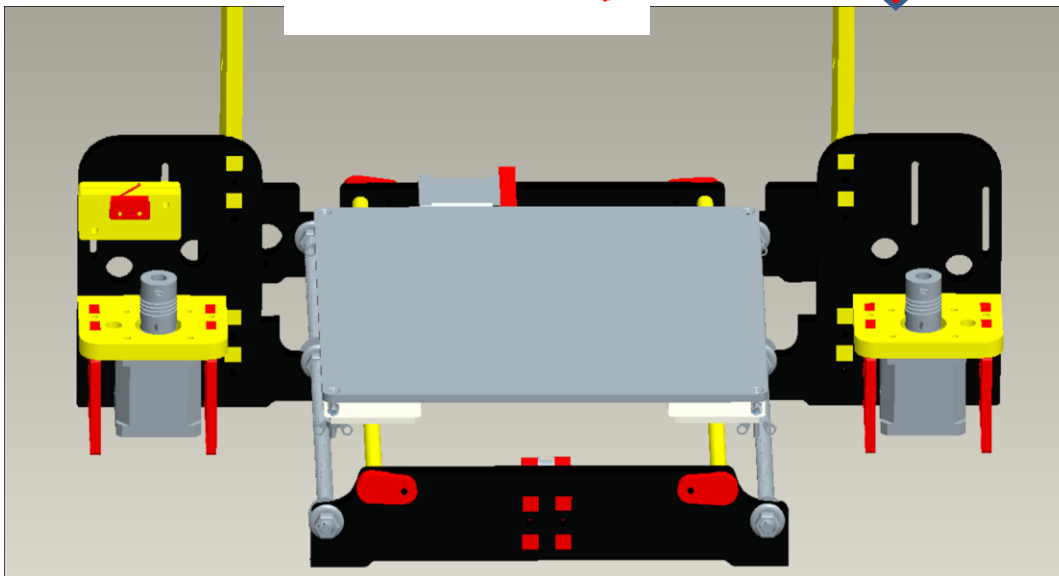
Attention: This hole is for Z axis guide rod positioning

Before Assembly



M3\*30

After Assembly

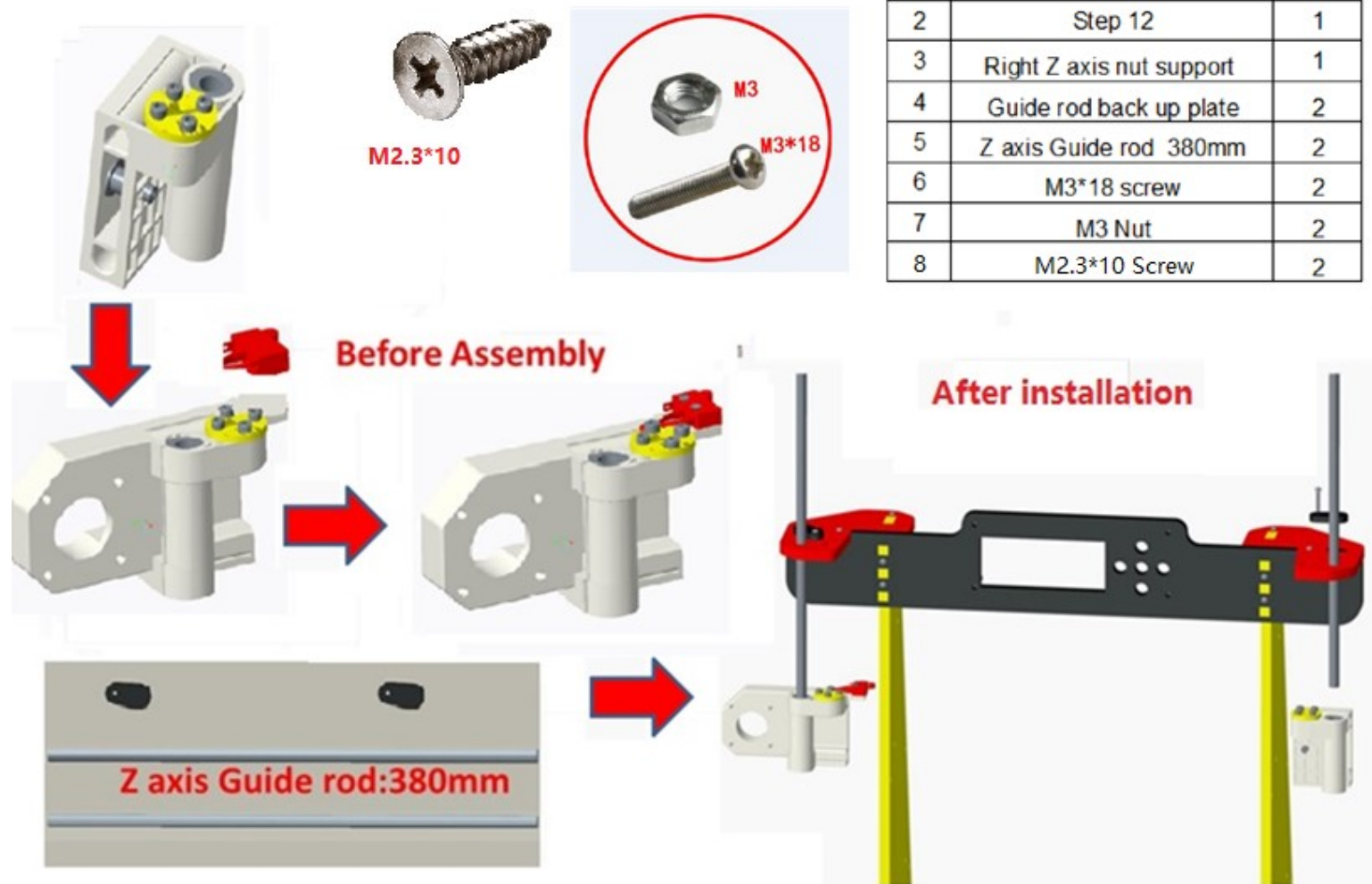


Name and Qty. of printer parts

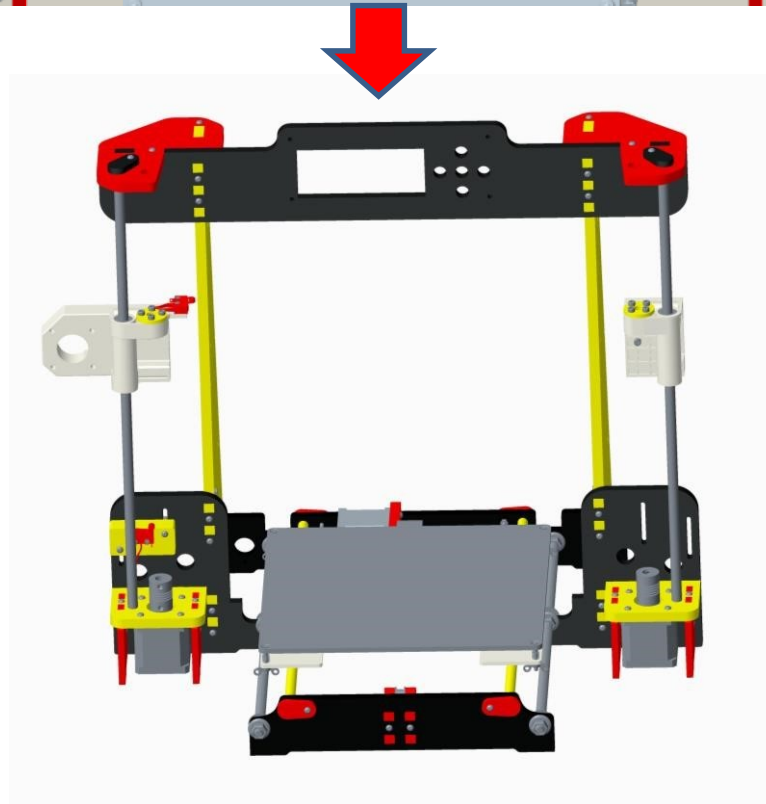
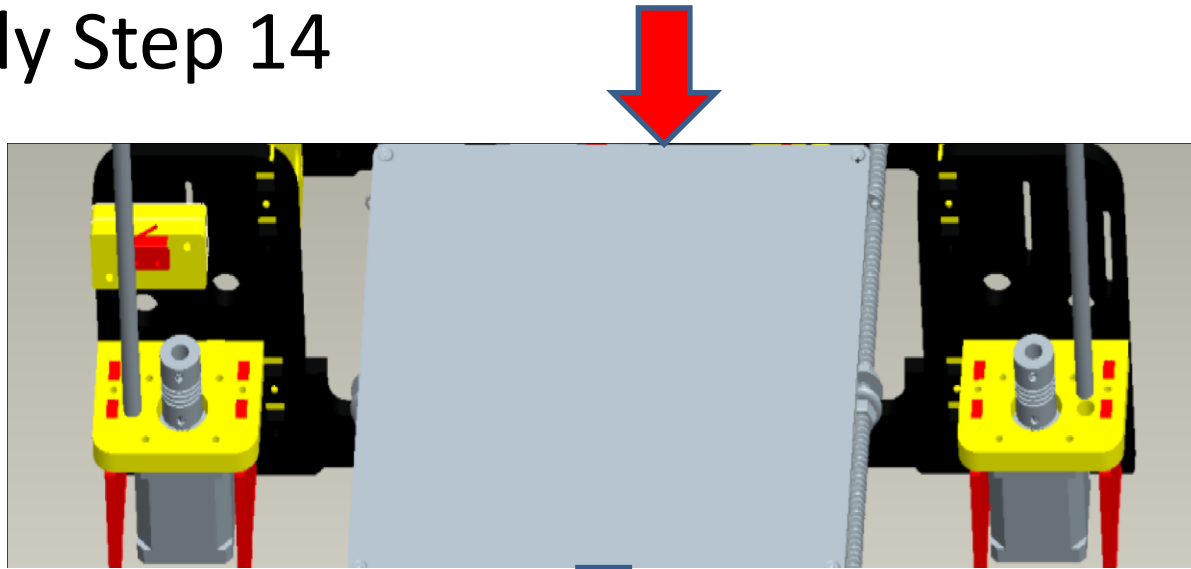
Item	Name of parts	QTY.
1	Step 10	1
2	Z axis motor	2
3	Z axis motor fixed plate	2
4	Z axis motor support Plate	4
5	Z axis Limit switch fixed plate	2
6	Z axis Limit switch A 20CM	1
7	M3*18 Screw	10
8	M3 Nut	12
9	M3*12 Screw	8
10	M3*25 Screw	2



## Assembly Step 13



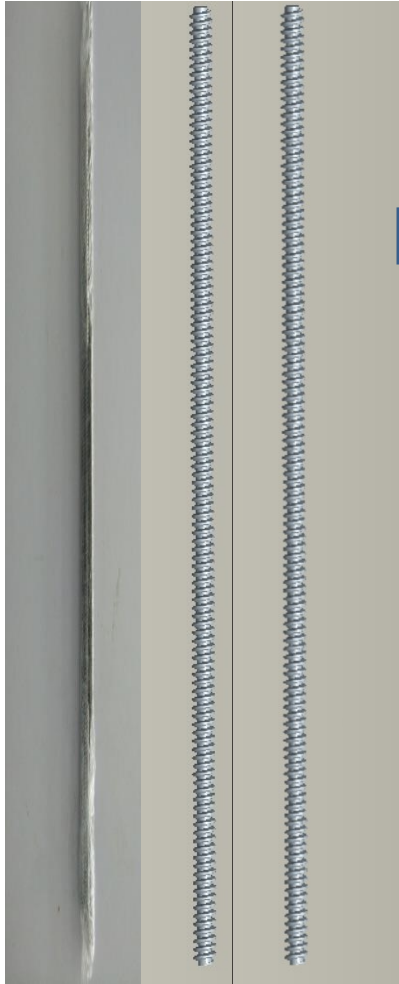
# Assembly Step 14



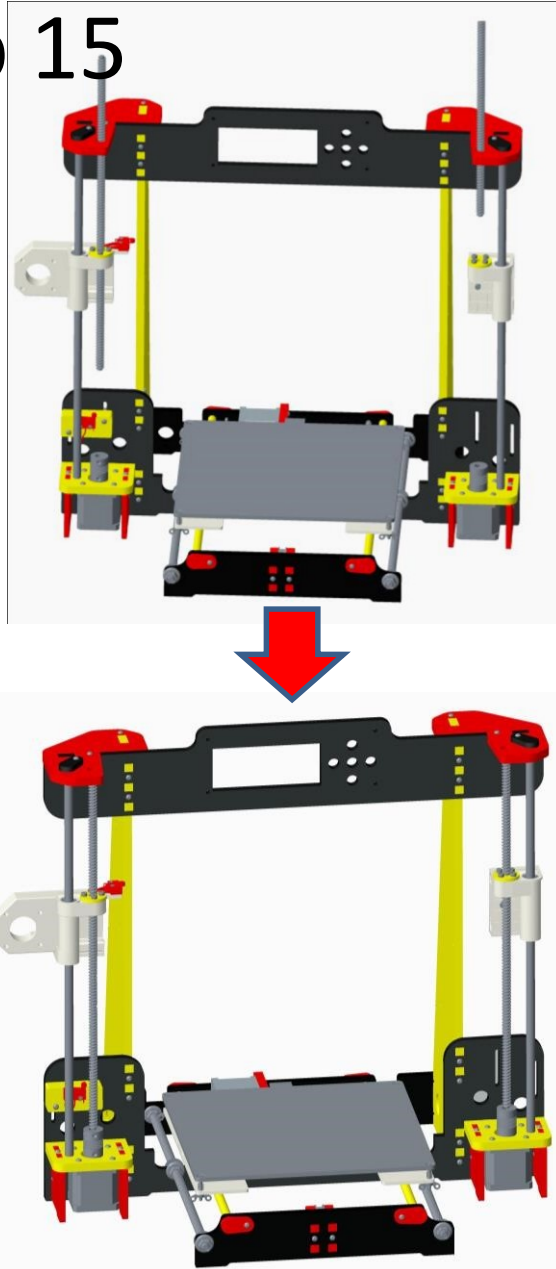
**After Assembly**

# Assembly Step 15

**Before Assembly**



**T lead screw 345mm**



Name and Qty. of printer parts		
Item	Name of parts	QTY.
1	Step 13	1
2	T type lead screw 345mm	2

Attention: loose the jackscrew of elastic coupling to place T lead screw **to the bottom**, then tighten the jackscrew.

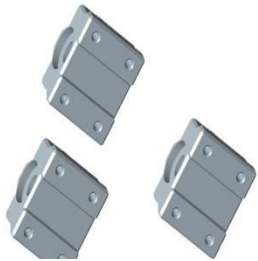
**After Assembly**



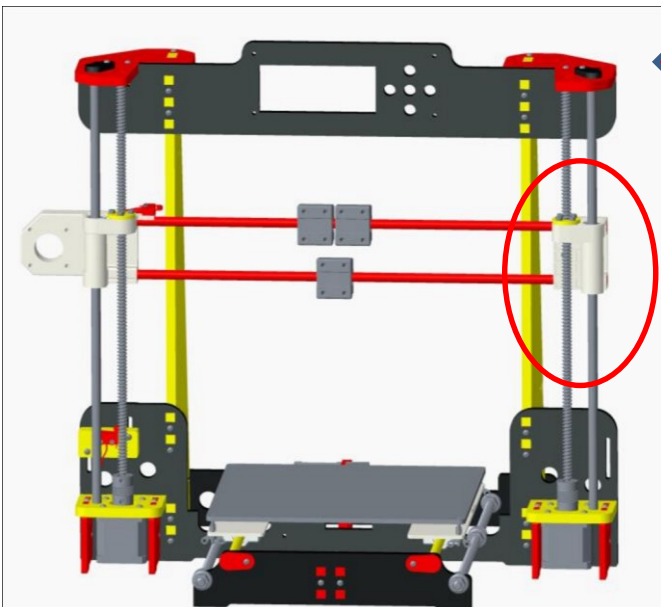
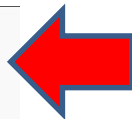
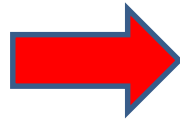
# Assembly Step 16

Attention: Please keep A&B at the same level during X rods installation. Knock the guide rods with a hammer slightly if it's hard to place.

X axis Guide rod 436mm



Before Assembly



After installation  
tighten the top  
wire at the back

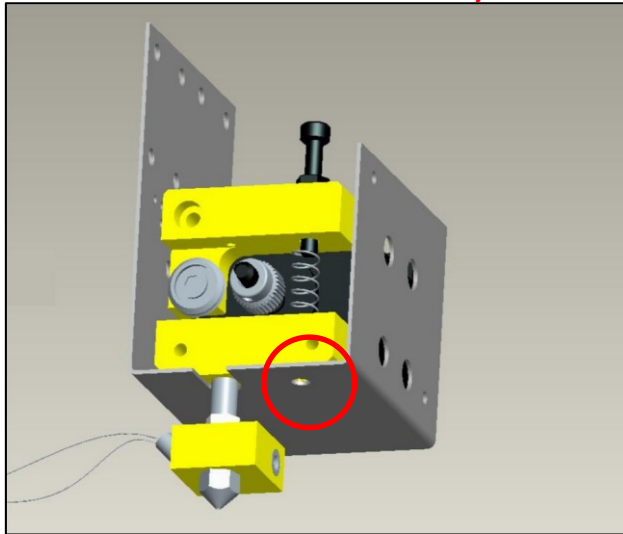


Name and Qty. of printer parts

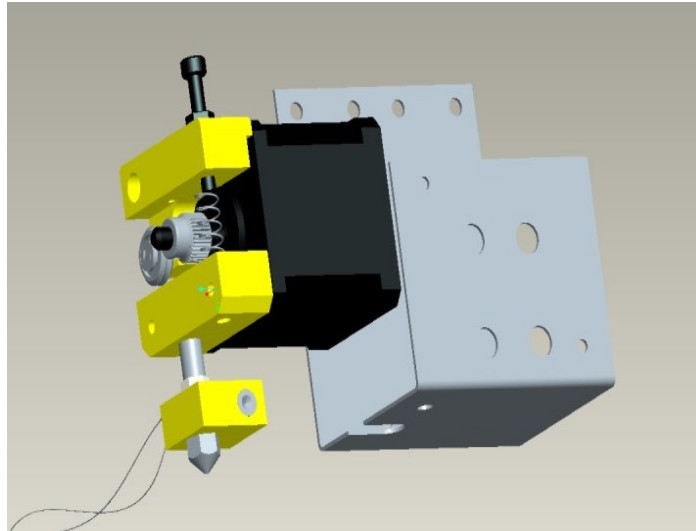
Item	Name of parts	QTY.
1	Step 14	1
2	X axis Guide rod	2
3	Linear bearing	3

# Assembly Step 17

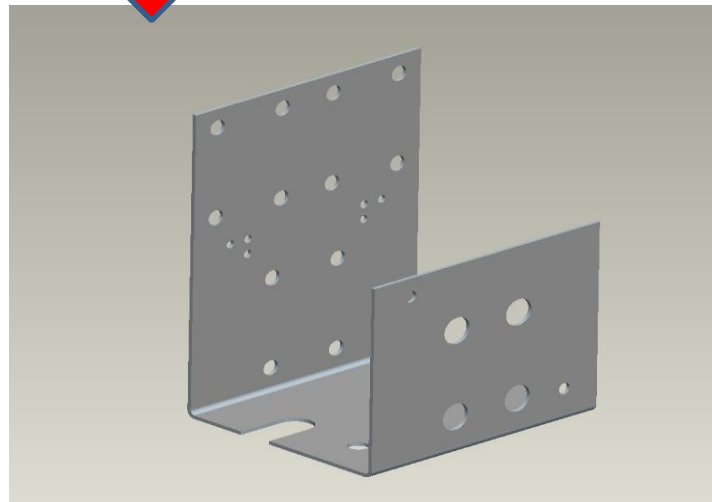
Before disassembly



After disassembly



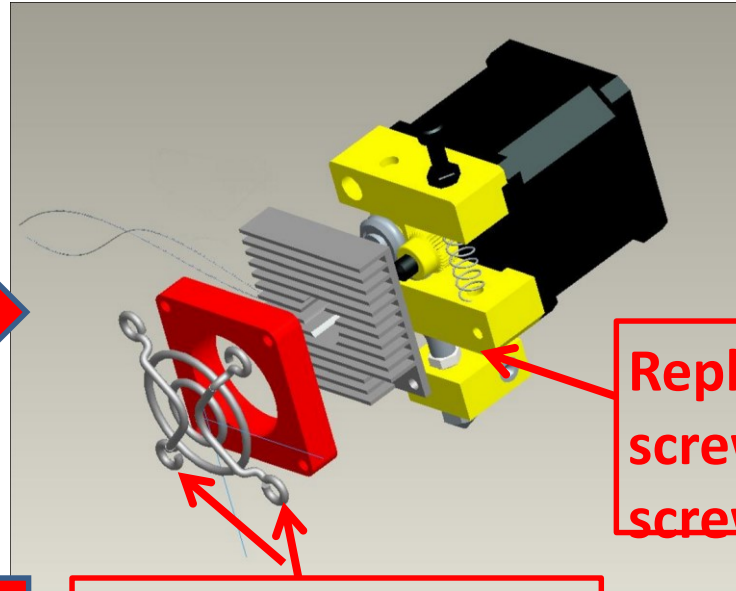
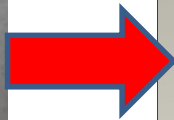
After disassembly



Loose M4\*6 screws first,  
then separate extruder  
from L black aluminum  
parts, remember to  
keep the screws.

# Assembly Step 18

**Before Assembly**

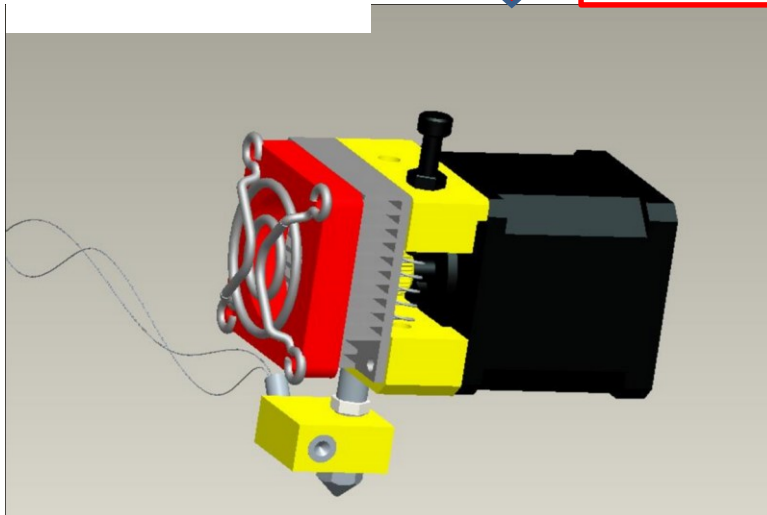


**Replace M3\*20  
screws with M3\*45  
screws**



**After Assembly**

**M3\*45 screw holes**

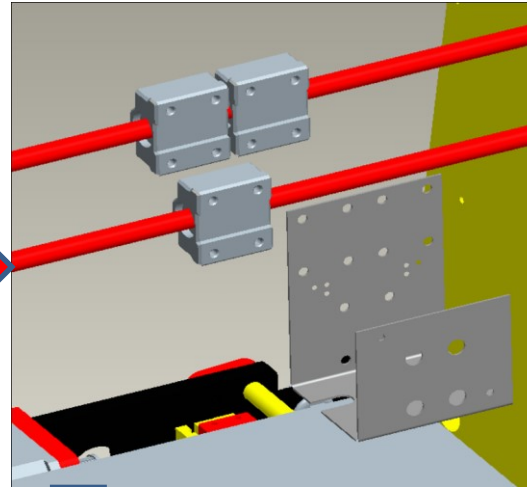
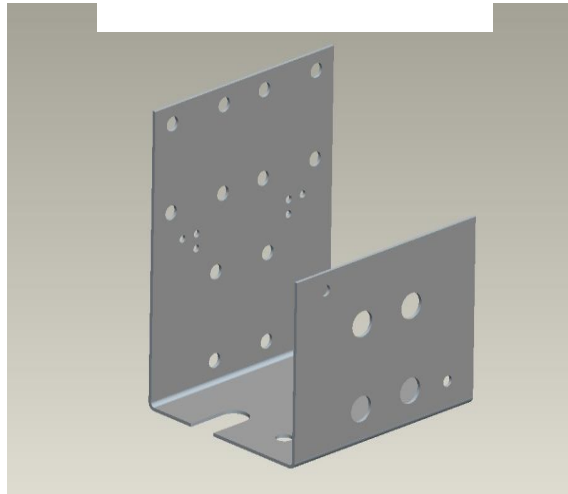


Name of QTY. of printer part

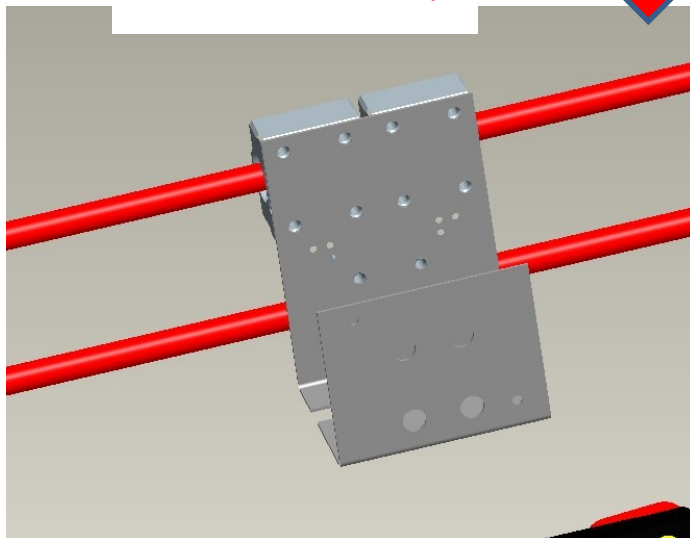
Item	Name of parts	QTY.
1	Extruder taken from Step 16	1
2	40*10 Fan	1
3	40*11 Cooling fin	1
4	Fan cover	1
5	M3*45 Screw	2
6	M3 Spacer	6-8

# Assembly Step 19

**Before Assembly**



**After Assembly**



Name of QTY. of printer part

Item	Name of parts	QTY.
1	Step 15	1
2	Black Aluminum taken from Step 16	1
3	M4*8 Screw	12

# Assembly Step 20

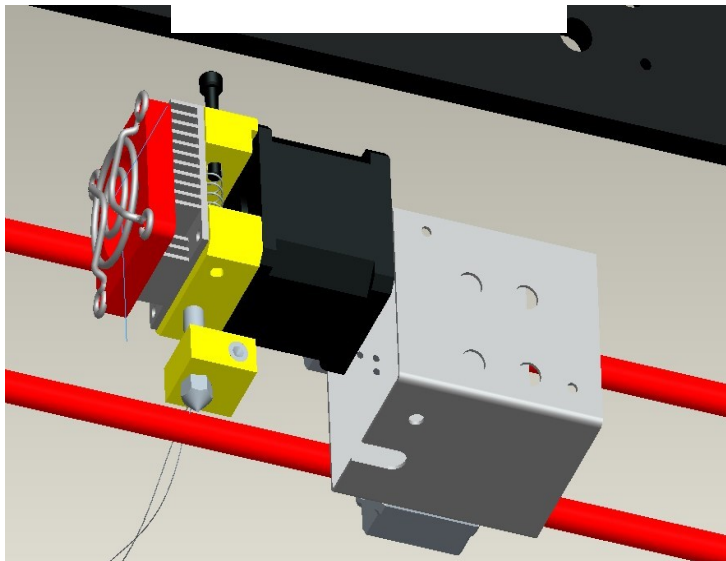
Attention: Install M4\*6 screw. Tighten M6 Screw on the throat with spanner till extruder is not loose.



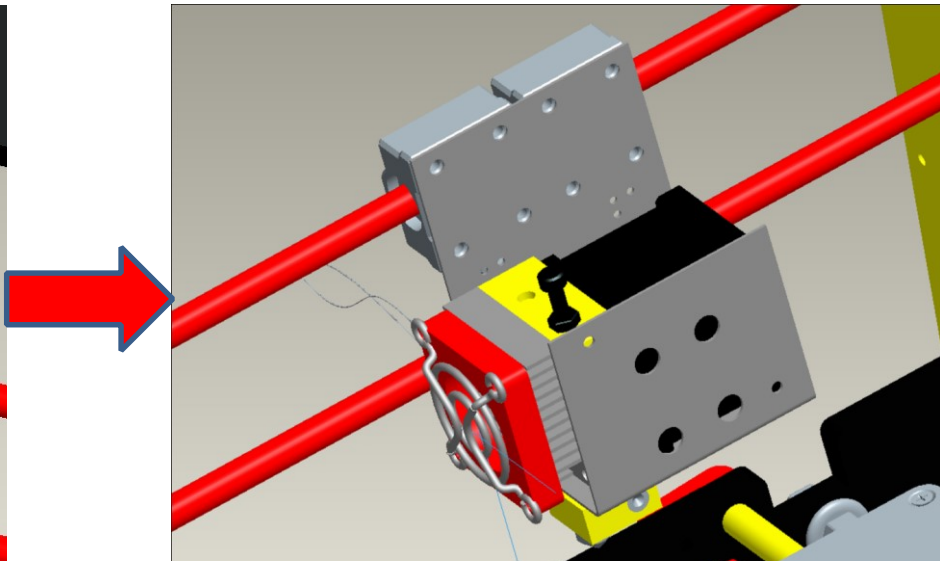
Name of QTY. of printer part

Item	Name of parts	QTY.
1	Step 17	1
2	Step 18	1
3	M4*16 We taken from Step 16	1

Before Assembly



After Assembly



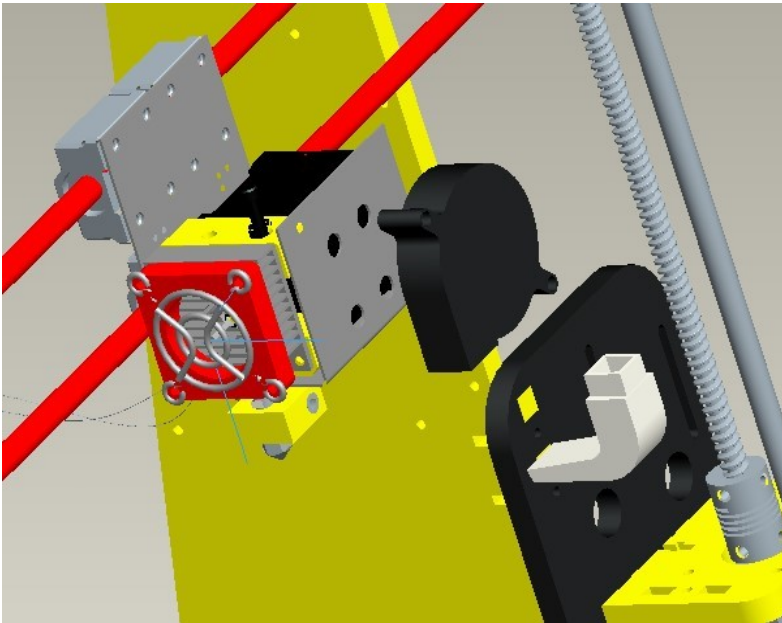
# Assembly Step 21



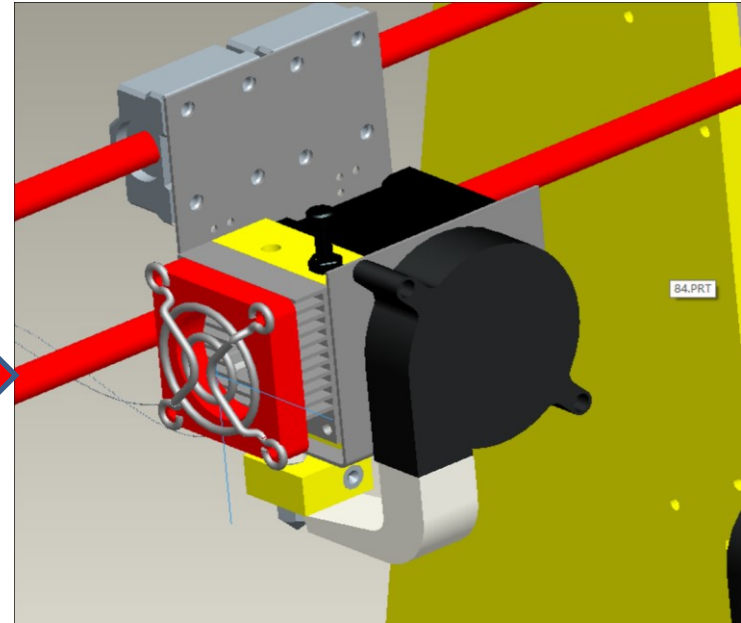
Name of QTY. of printer part

Item	Name of parts	QTY.
1	Step 19	1
2	5015 Air blower	1
3	Wind mouth	1
4	M3*18 screw	2

**Before Assembly**



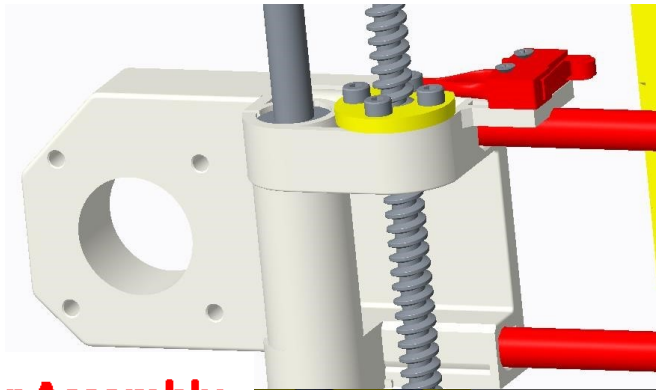
**After Assembly**



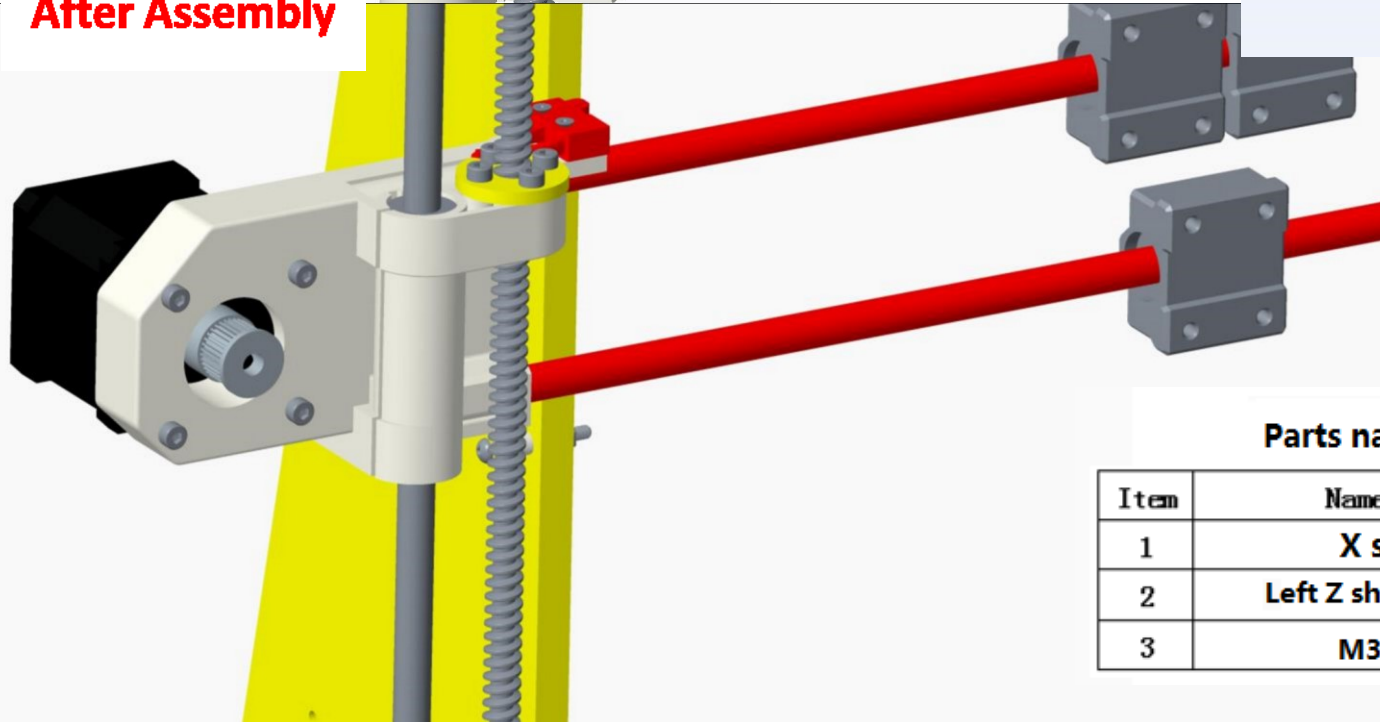


# Assembly Step 22

**Before Assembly**



**After Assembly**



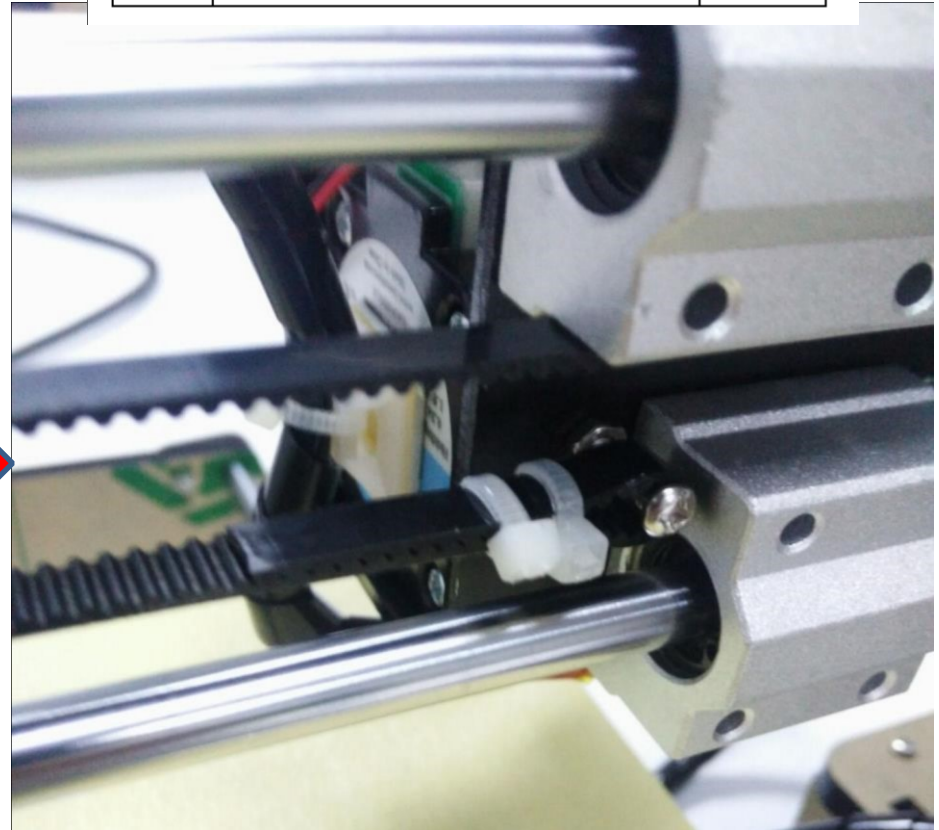
**Parts name and quantity**

Item	Name of parts	QTY.
1	X shaft motor	1
2	Left Z shaft nut support	1
3	M3*20 screw	4

# Assembly Step 23

Name of QTY. of printer part

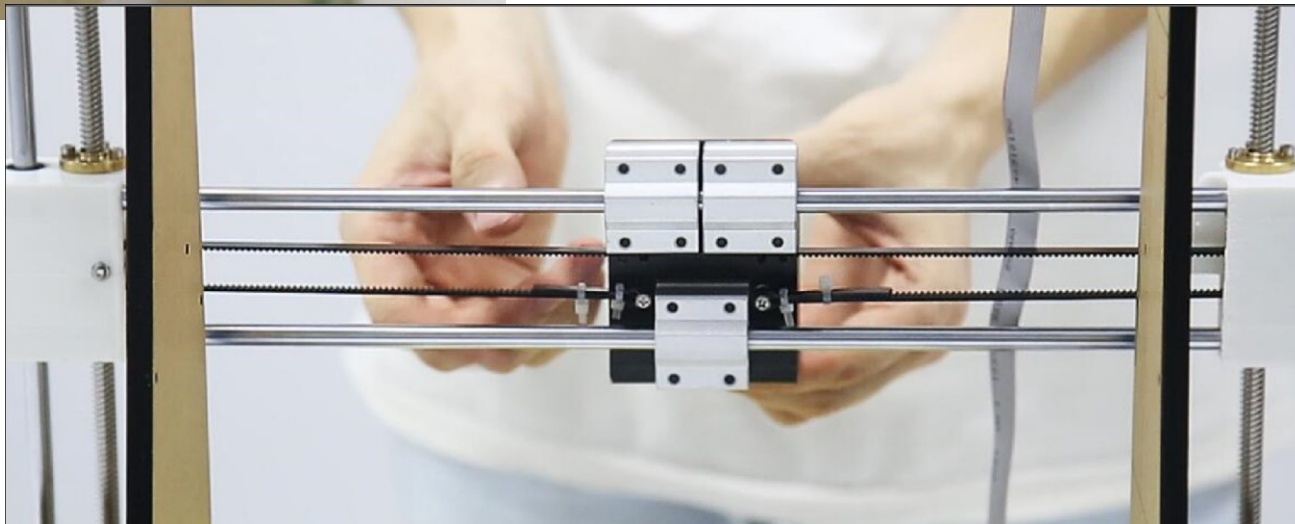
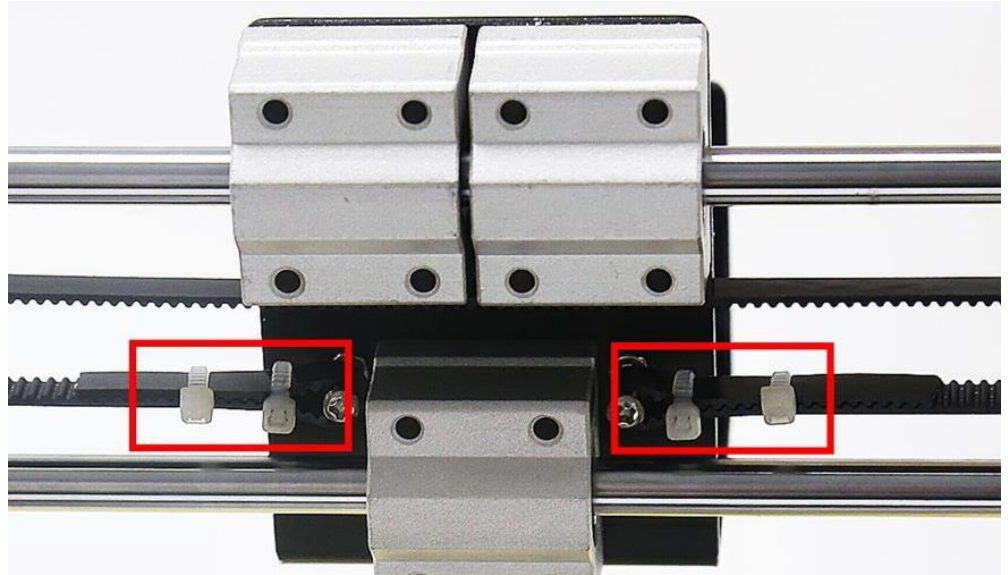
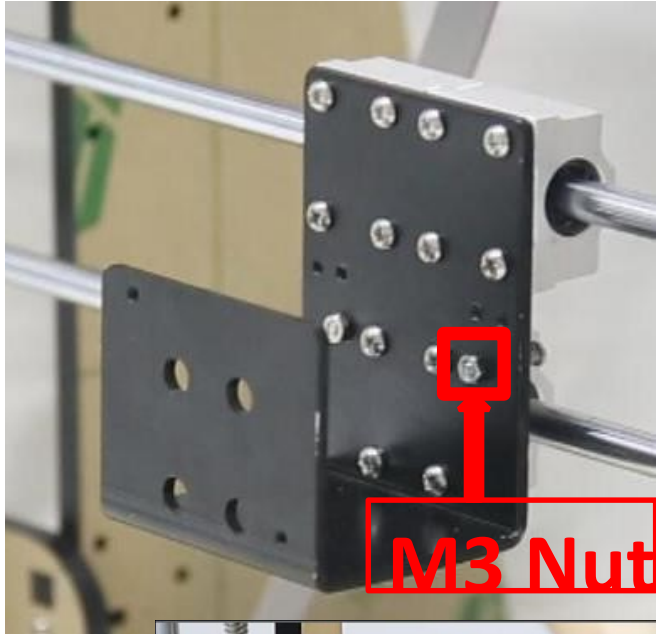
Item	Name of parts	QTY.
1	Belt	1
2	M3*18 screw	2
3	M3 Nut 4	4



Attention: Belt is for X,Y axis transmitting . The length of belt is 1.5m in total. Normally there'll be 10-20cm left after installation.



# Assembly Step 24



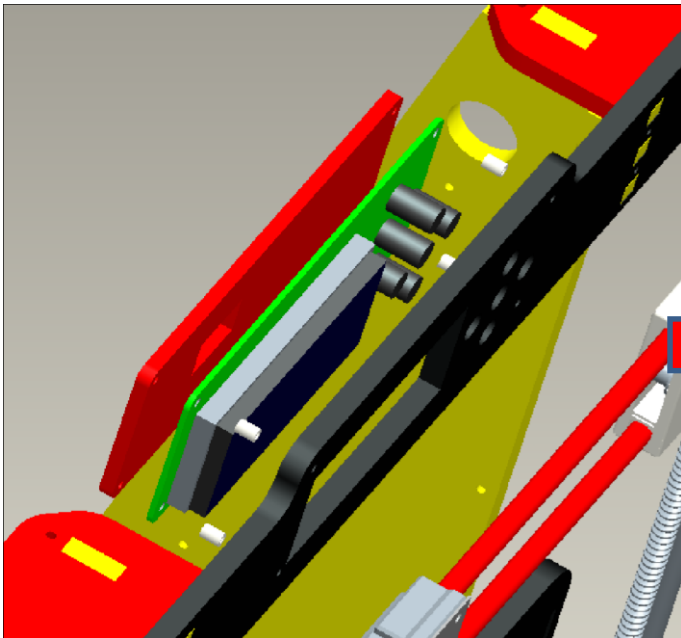
# Assembly Step 25



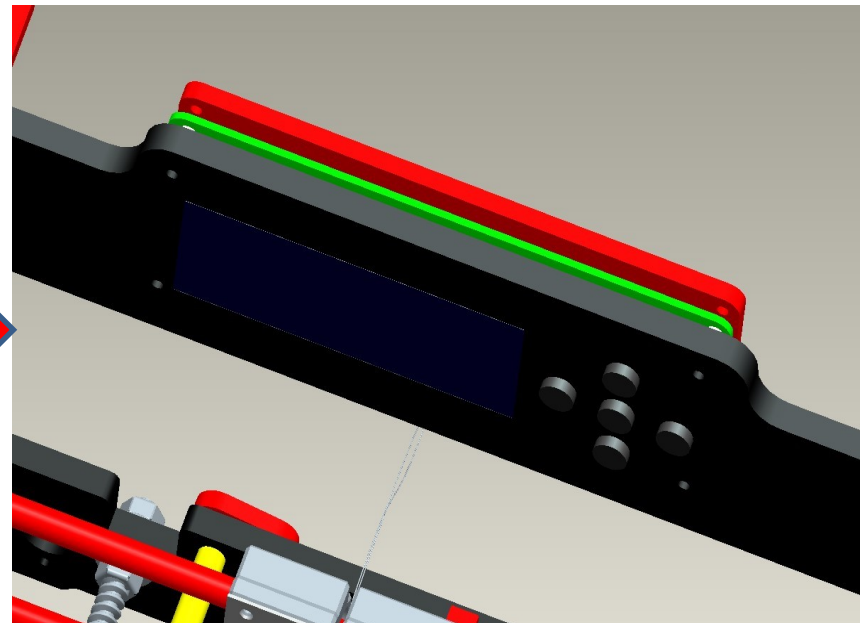
Name of QTY. of printer part

Item	Name of parts	QTY.
1	LCD 2004 screen	1
2	Pillar washer M3*7	4
3	Screen baffle plate	1
4	M3*30 screw	4
5	M3 Nut	8

**Before Assembly**

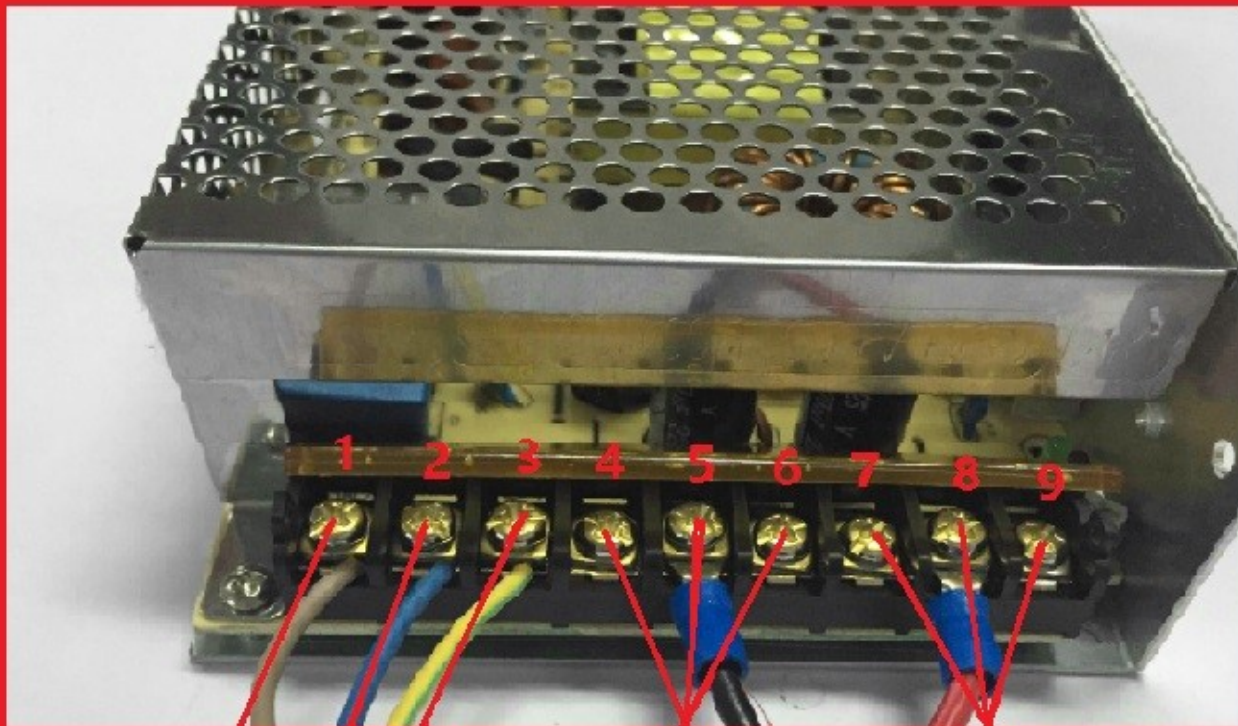


**After Assembly**



# Assembly Step 26

Attention This is the wiring diagram of power supply. 1, 2, 3 separately represent the line of fire (brown), Zero line (blue), ground wire (yellow). 4, 5, 6 represent negative pole (black) (-); 7, 8, 9 represent the positive pole (red) (+). To avoid danger, please assure the installation is correct.



Brown	blue	yellow	black (COM)	red (+V)
1	2	3	4 5 6	7 8 9

# Assembly Step 27

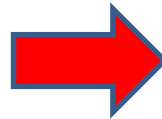
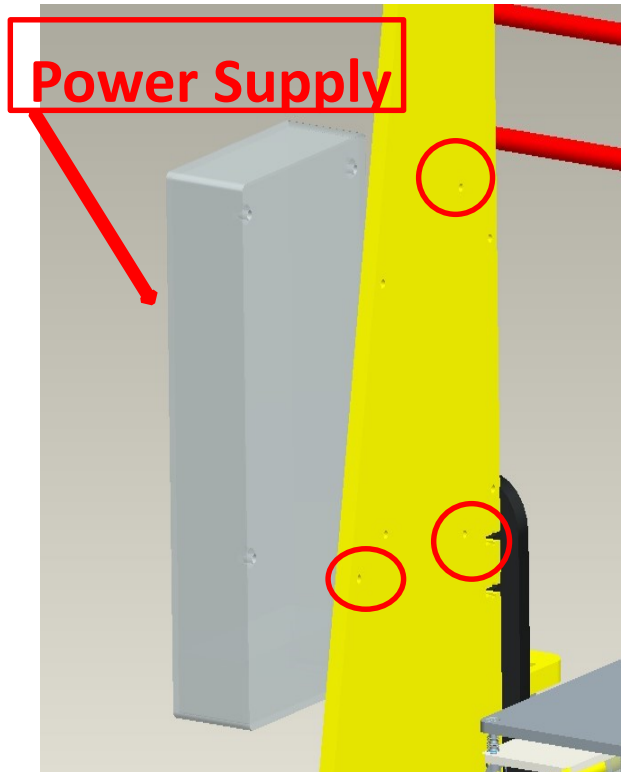
Red circles stand for the power screw holes



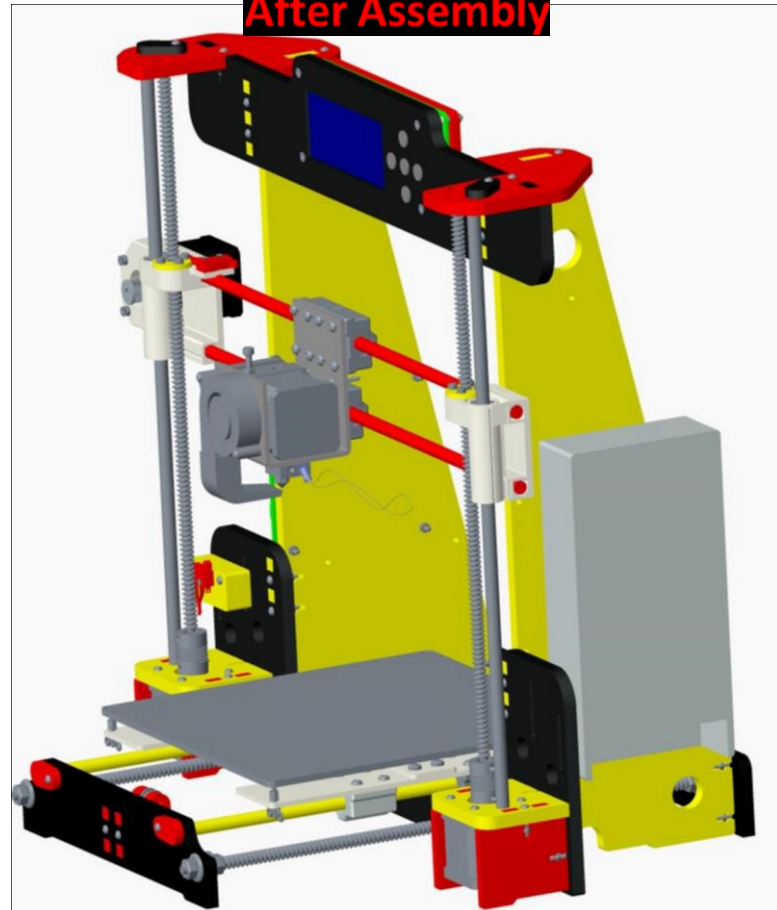
Name of QTY. of printer part

Item	Name of parts	QTY.
1	Step 22	1
2	Power Supply 12V	1
3	M3*12screw	3

Before Assembly



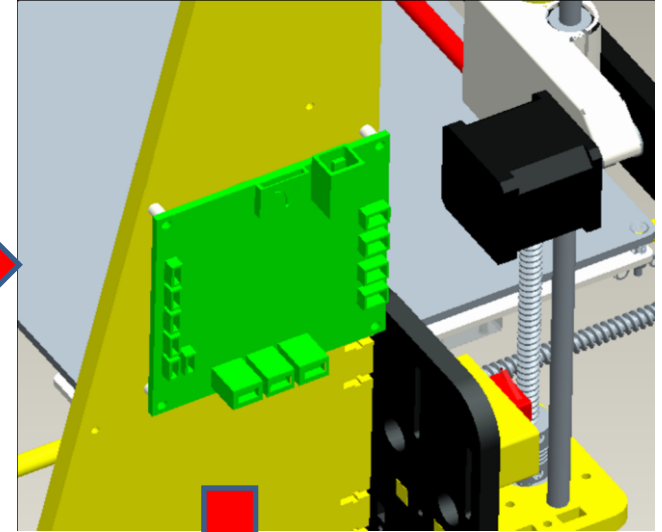
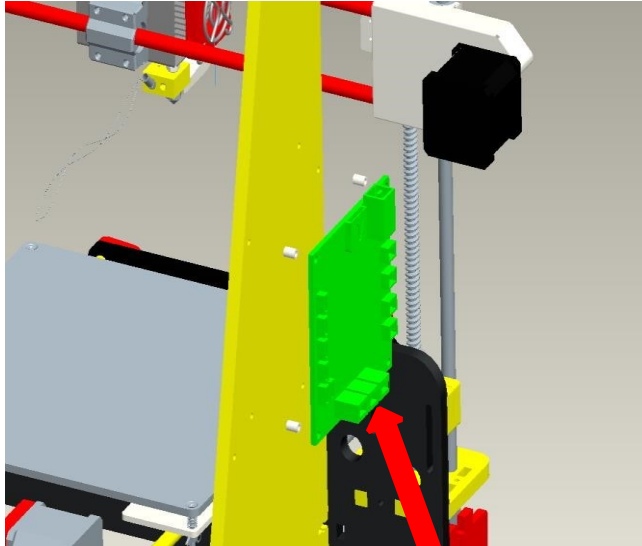
After Assembly





# Assembly Step 28

**Before Assembly**

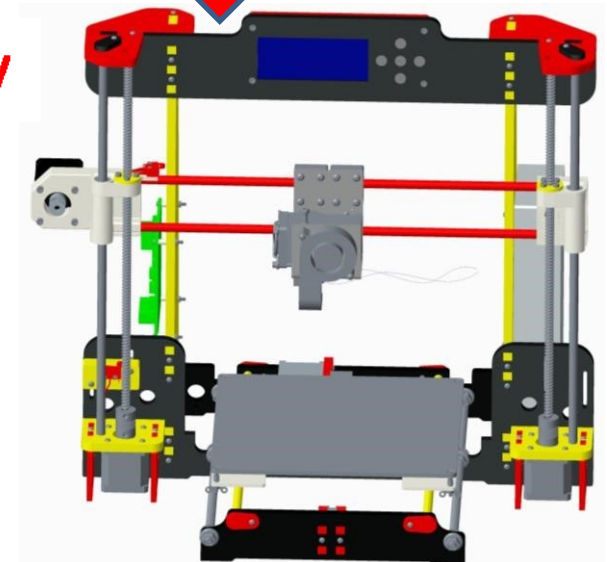


**Mainboard**

**After Assembly**

Name of QTY. of printer part

Item	Name of parts	QTY.
1	Step 23	1
2	Mainboard	1
3	M3*30 screw	4
4	M3 Nut	4
5	Pillar washer M3*15	4



# Assembly Step 29

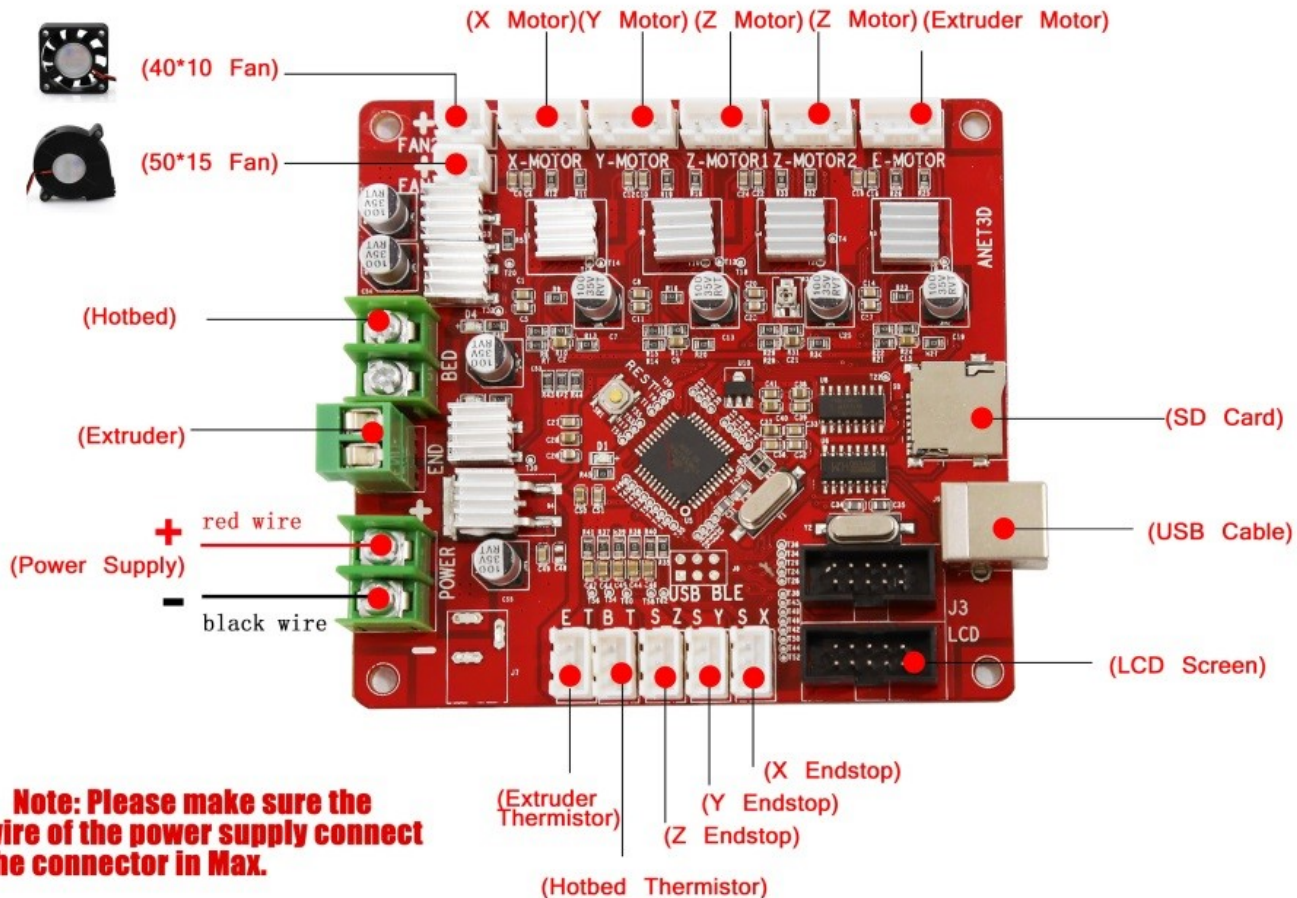
Attention: Please use the corresponding wire , especially motor wire & limited switch wire.

Length of A8 Components Wire

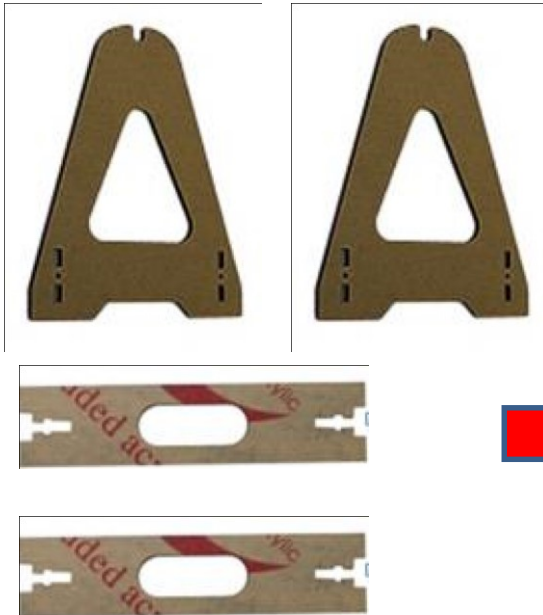
NO.	Option	Length(mm)
1	Power supply wire	700mm
2	X motor wire	400mm
3	Y motor wire	400mm
4	Left Z motor wire	400mm
5	Right Z motor wire	900mm
6	X limited switch wire	550mm
7	Y limited switch wire	700mm
8	Z limited switch wire	200mm
9	Extruder motor wire	900mm
10	4010 Fan wire	1100mm
11	5015 Blower wire	1100mm
12	Heating pipe wire	1000mm
13	Extruder thermistor wire	1000mm
14	Hotbed wire	900mm
15	X Belt	1500mm
16	Y Belt	
17	Screen wire	500mm

# Assembly Step 30

**Attention: Please connect the electronics wire to each components correspondingly.**



# Assembly Step 31



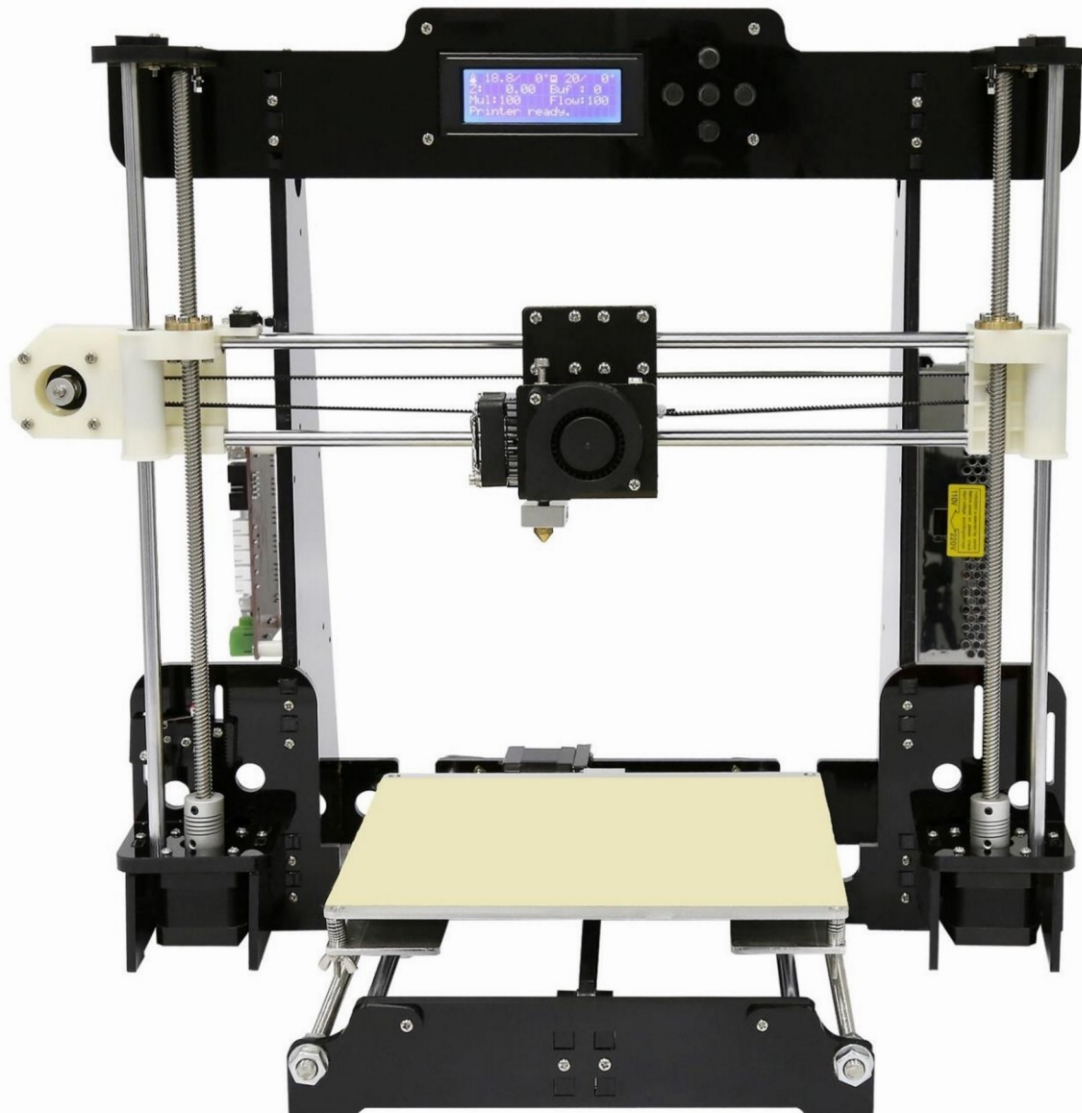
Name of QTY. of printer part

Item	Name of parts	QTY.
1	Filament support plate	2
2	Filament support plate connecting plate	2
3	Threaded rod 150mm	1
4	M8 screw	4
5	M3*18 screw	4
6	M3 Nut	4





# Assembly Step 32 Installation Picture 1



## Assembly Step 32 Installation Picture 2



## A 3D printer with a black frame, silver rods, and a yellow print bed. The top panel features a small LCD screen displaying '18.5 0 28 0', '10000 Buf 1 0', and 'Printer ready.'

# Installation Complete

- **Congratulations ! You have just made yourself a 3D printer !**
- **Please contact your 3D printer supplier if any puzzles during using process.**
- **Thank you for choosing our products, we will always provide you more services.**