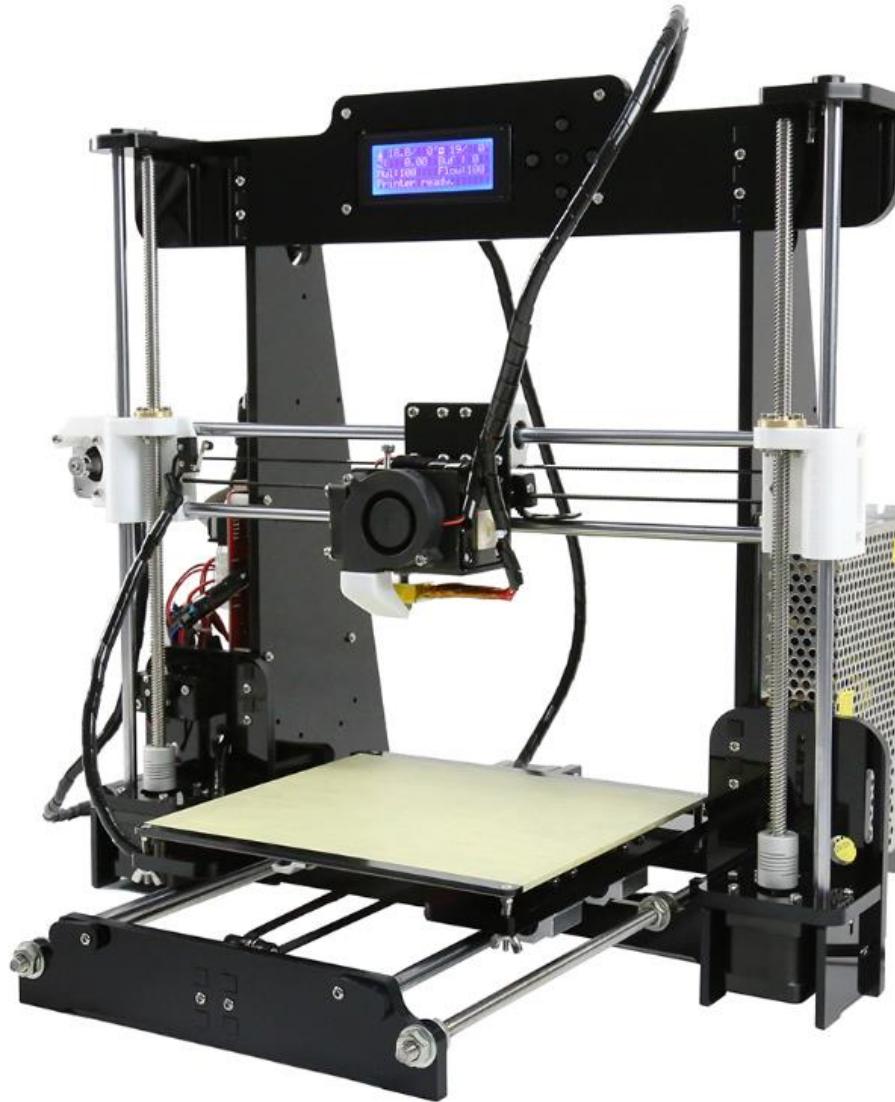


# A8 3D Printer Installation Guide



# 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.**

# A8 assembly parts list 1

3D Printer A8 assembly parts list

Item	Picture	Name	QTY	Check	Item	Picture	Name	QTY	Check
1-1		Hot bed fixed aluminum plate	1		2-1		Mainboard	1	
1-2		220mm*220mm*3mm Hot bed	1		2-2		Left Z axis nut support	1	
1-3		Plastic nippers	1		2-3		Right Z axis nut support	1	
1-4		1.5M Power line	1		2-4		Wind mouth	1	
1-5		5mm*160mm Screwdriver	1		2-5		1.6M Belt	1	
1-6		Four parts below in this bag	1		2-6		1.5M USB wire	1	

# A8 assembly parts list 2

Item	Picture	Name	QTY	Check	Item	Picture	Name	QTY	Check
1-6-1		40*10 Fan	1		2-7		5015 Air blower	1	
1-6-2		40*11 Cooling fin	1		2-8		Y axis belt bearing support	1	
1-6-3		Fan cover	1		2-9		Seven parts below in this bag	1	
1-6-4		M3*45 Screw 2pcs M3 Spacer 8pcs	1		2-9-1		Z axis Limit switch fixed plate	2	
1-7		Screw bag include below screws	1		2-9-2		Y axis motor support	1	
1-7-1		M3*18 screw 52pcs	1		2-9-3		Y axis Limit switch fixed plate	1	
1-7-2		M3 Nut 64pcs	1		2-9-4		Y axis belt fixation clamp	2	

# A8 assembly parts list 3

Item	Picture	Name	QTY	Check	Item	Picture	Name	QTY	Check
1-7-3		M8 Nut 16pcs M8 Spacer 12pcs	1		2-9-5		Guide rod back up plate	6	
1-7-4		M4*8 screw 28pcs M4*14 screw 4pcs	1		2-10		Side support plate	2	
1-7-5		M3*30 screw 14pcs	1		2-11		Filament support plate	2	
1-7-6		M3*12 screw 15pcs	1		2-12		Filament support plate connecting plate	2	
1-7-7		M2*12 screw 4pcs wing nut 4pcs Spring 4pcs	1		2-13		Screen baffle plate	1	
1-7-8		M3*20 screw 4pcs M2.3*10 screw 2pcs	1		2-14		Z axis motor support Plate	4	
1-8		Three parts below in this bag	1		2-15		8GB TF card and card reader	1	

# A8 assembly parts list 4

Item	Picture	Name	QTY	Check	Item	Picture	Name	QTY	Check
1-8-1		Wire 70CM	1		3-1		Bottom support plate	1	
1-8-2		Z axis Limit switch A 20CM X axis Limit switch B 55CM Y axis Limit switch C 70CM	3		3-2		Top support plate	1	
1-8-3		Pillar washer M3*7 4pcs Pillar washer M3*15 4pcs	8		3-3		Back plate	1	
1-9		Three parts below in this bag	1		3-4		Front plate	1	
1-9-1		3mm*130mm Screwdriver	1		3-5		Support plate lock plate	2	
1-9-2		Hex wrench M1.5 Hex wrench M2 Hex wrench M2.5 Hex wrench M3	4		3-6		Z axis motor fixed plate	2	
1-9-3		Open spanner	1		3-7		Y axis motor fixed plate	1	

# A8 assembly parts list 5

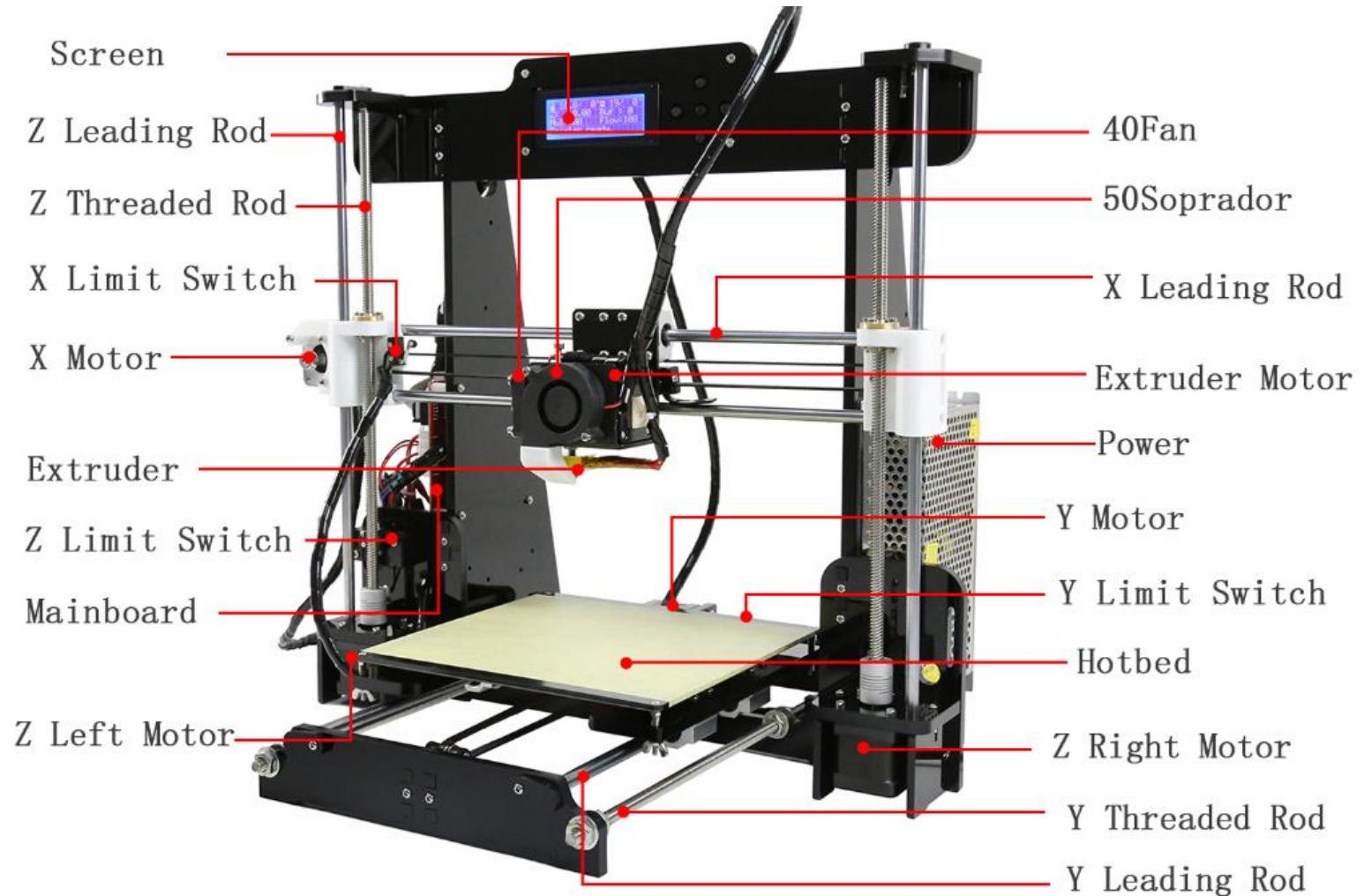
Item	Picture	Name	QTY	Check	Item	Picture	Name	QTY	Check
1-10		Four parts below in this bag	1		3-8		Extruder	1	
1-10-1		4.5M Winding pipe	1		3-9		X axis motor	1	
1-10-2		Belting	10		3-10		Y axis motor	1	
1-10-3		R clip	3		3-11		Z axis motor	2	
1-10-4		Locating piece	2		3-12		Linear bearing	7	

# A8 assembly parts list 6

Item	Picture	Name	QTY	Check	Item	Picture	Name	QTY	Check
1-11		LCD 2004 screen	1		3-13		Guide rod 436mm 2pcs Guide rod 380mm 4pcs	6	
1-12		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		T type lead screw M8*345mm 2pcs Threaded rod M8*400mm 2pcs Threaded rod M8*150mm 1pcs	5	
1-13		Heat bed line 90CM	1		3-15		Power Supply	1	

Please check printer parts quantity when you receive it .

# Name of each printer part



# Assembly Step 1

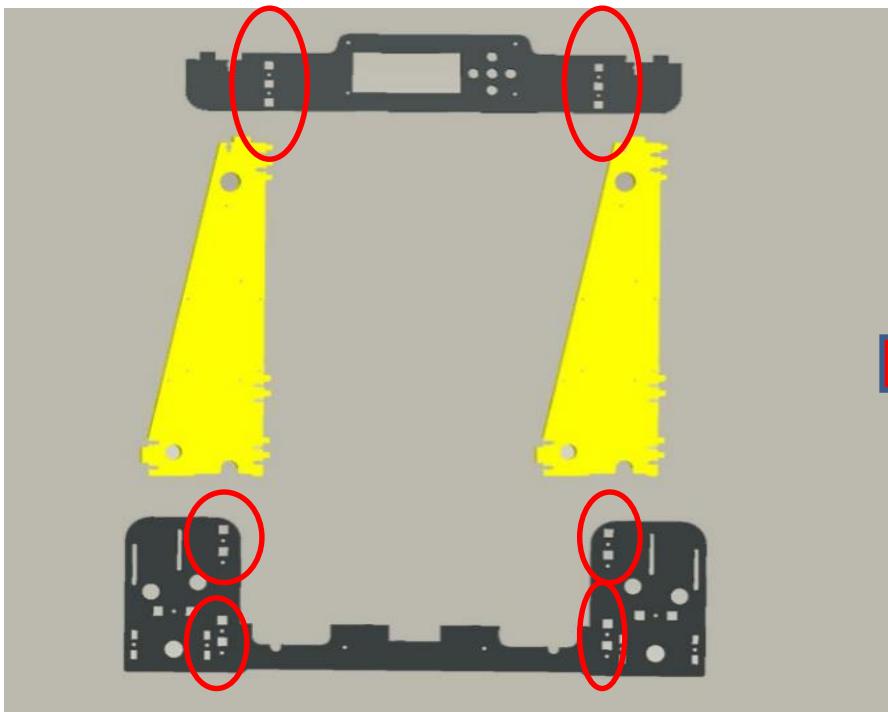
Please be aware the screw holes is in red circles

Name and Qty. of printer parts

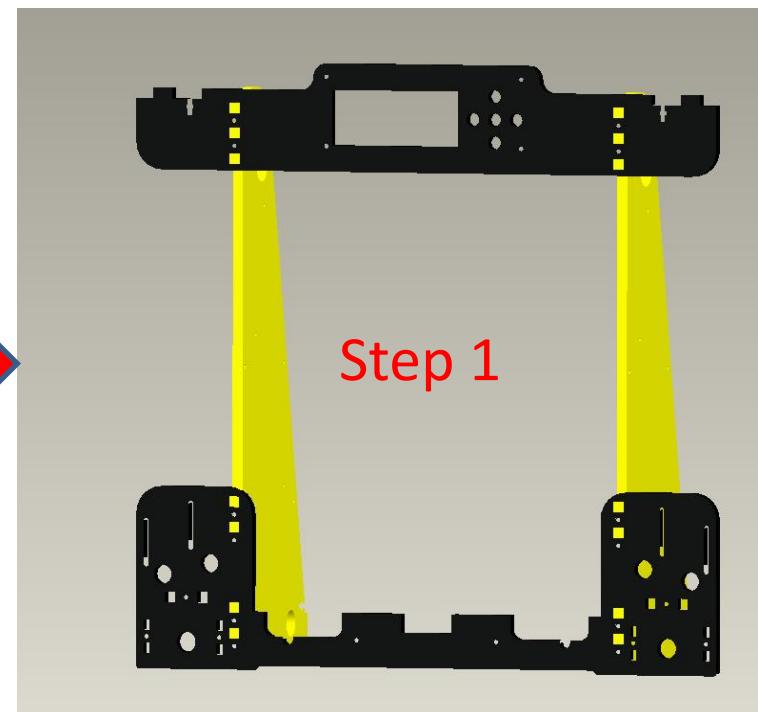
Item	Name of parts	QTY.
1	Bottom support plate	1
2	Top support plate	1
3	Side support plate	2
4	M3*18 Screw	12
5	M3 Nut	12



Before Assembly



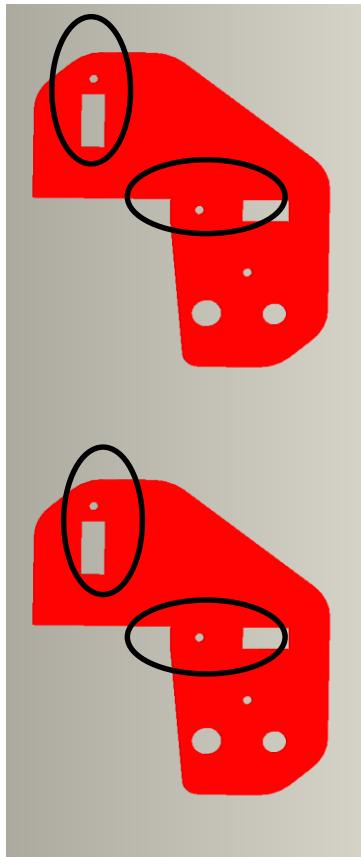
After Assembly



# Assembly Step 2

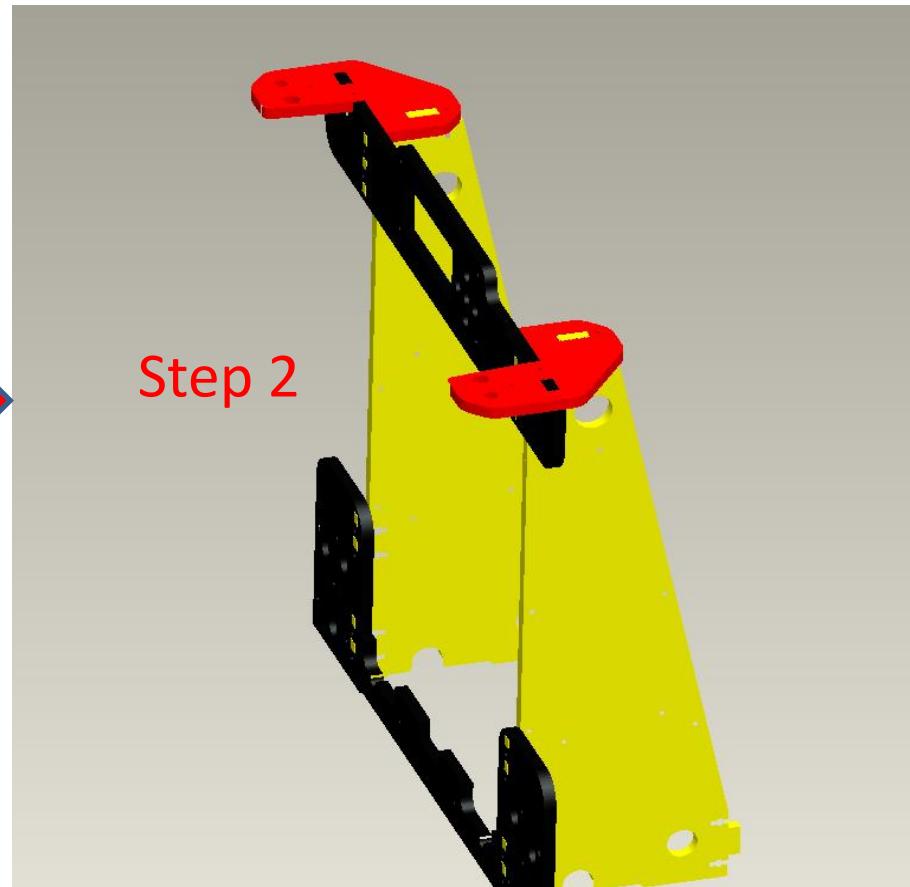
Please be aware the screw holes is in black circles

Before Assembly



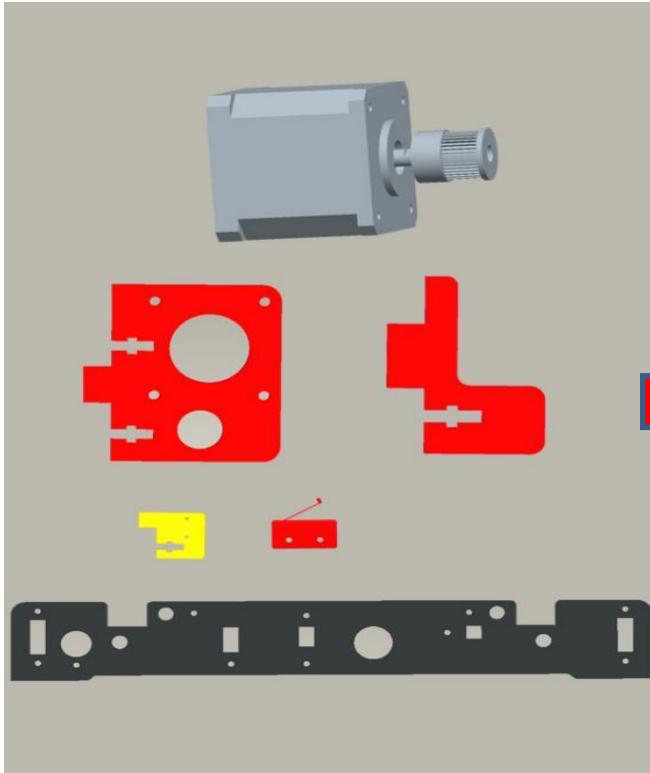
Name and Qty. of printer parts		
Item	Name of parts	QTY.
1	Step 1	1
2	Support plate lock plate	2
3	M3*18 Screw	4
4	M3 Nut	4

After Assembly



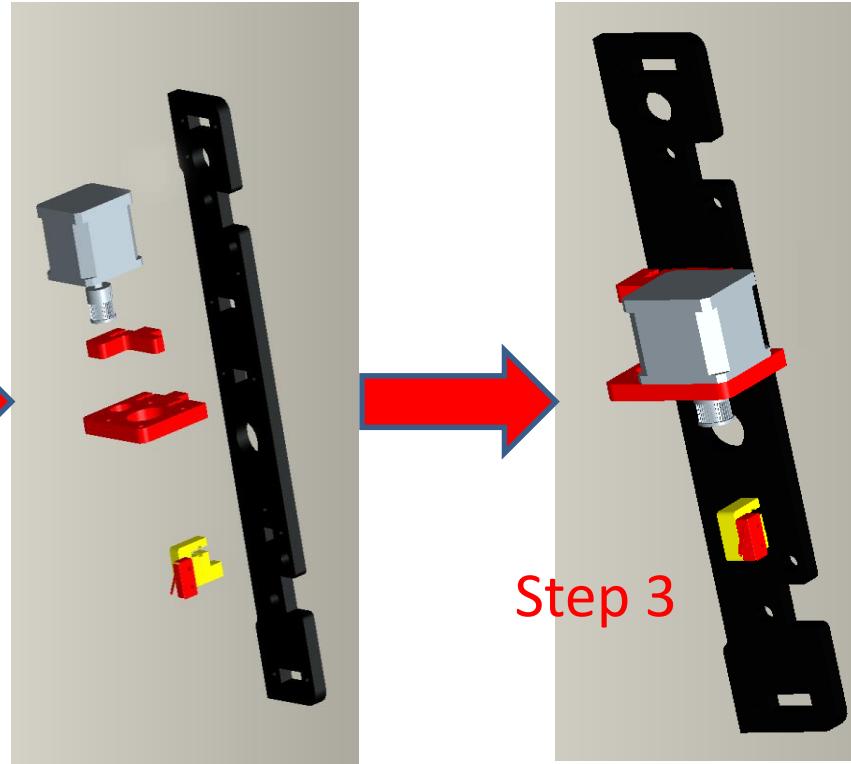
# Assembly Step 3

Before Assembly



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	3
8	M2*12 screw	2
9	M3*18 screw	4
10	M3 Nut	4

After Assembly

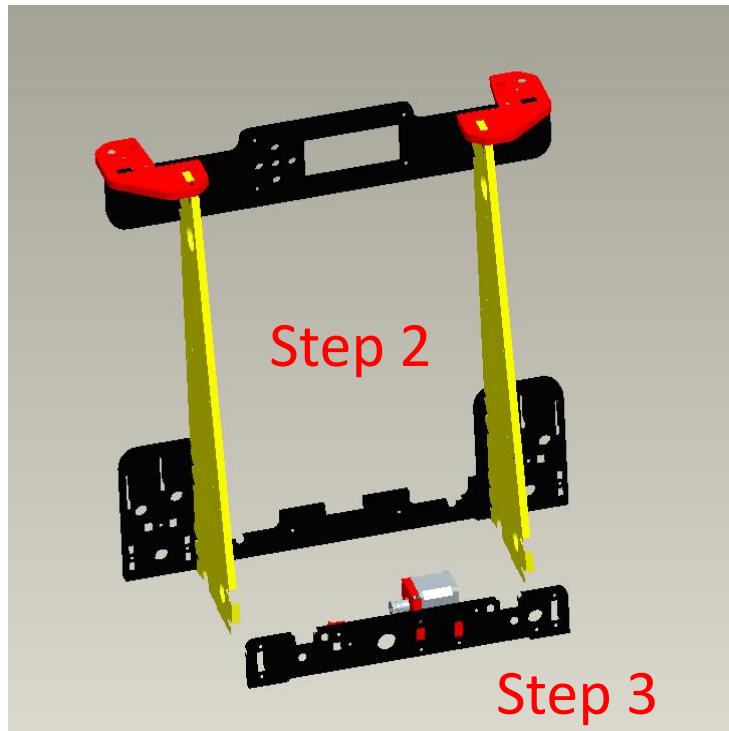


# Assembly Step 4

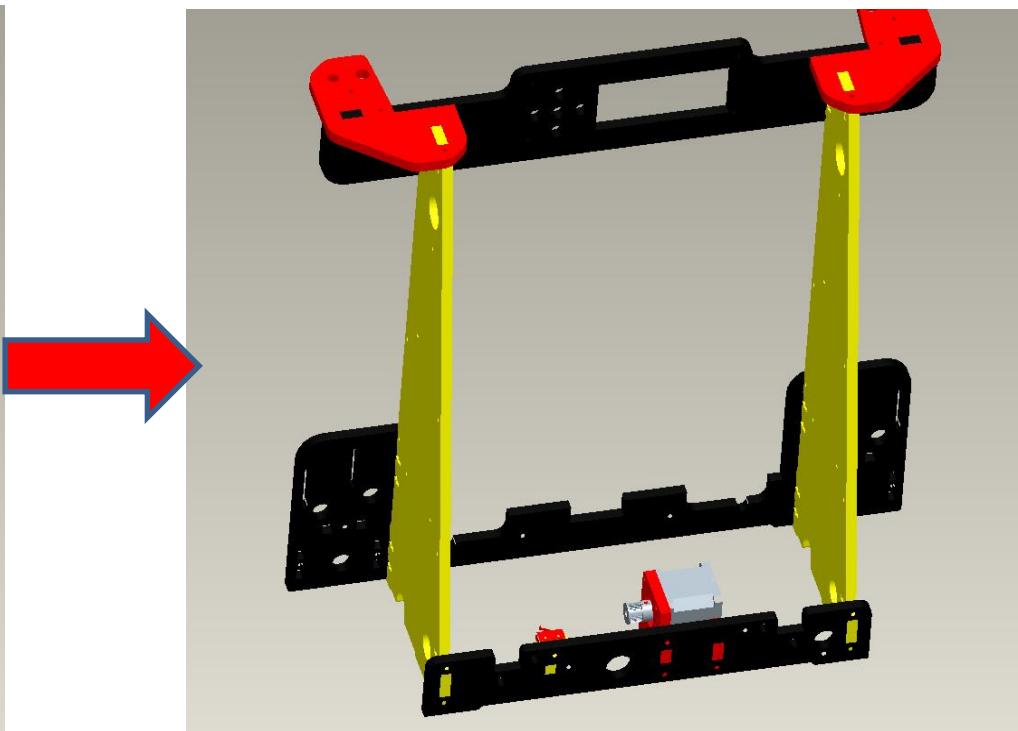
Name and Qty. of printer parts		
Item	Name of parts	Q TY.
1	Step 2	1
2	Step 3	1
3	M3*18 screw	4
4	M3 Nut	4



Before Assembly



After Assembly

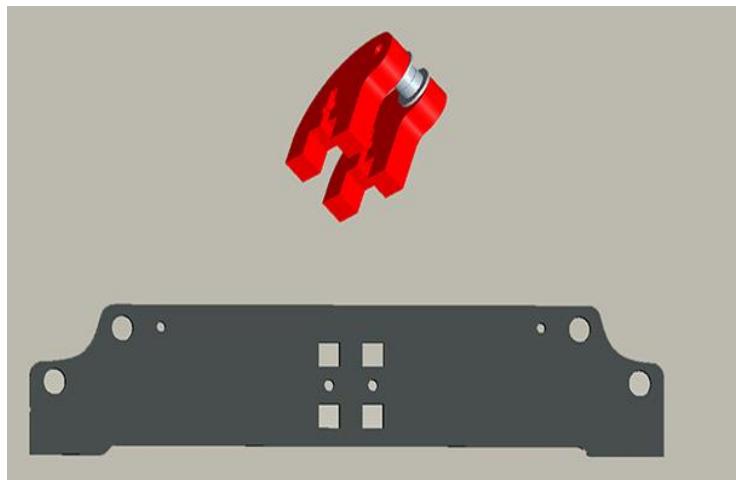


# Assembly Step 5

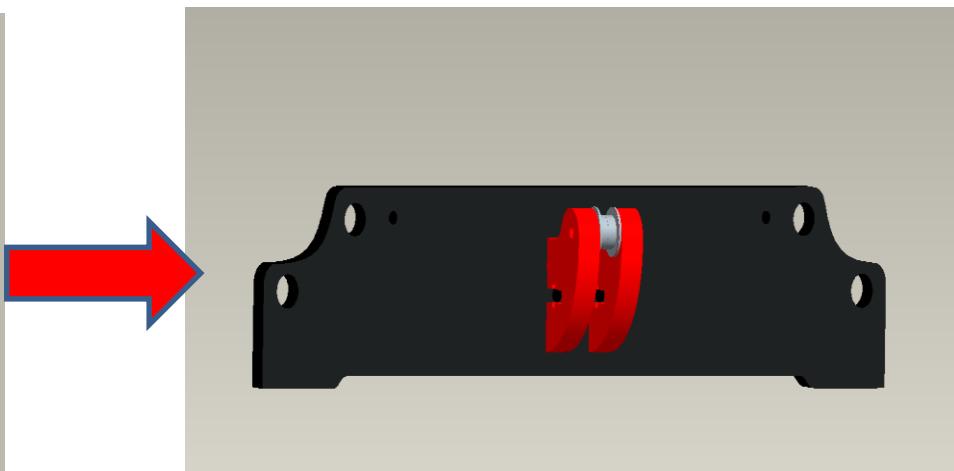
Name and Qty. of printer parts		
Item	Name of parts	Q.T.Y.
1	Y axis belt bearing support	1
2	Front plate	1
3	M3*18 screw	2
4	M3 Nut	2



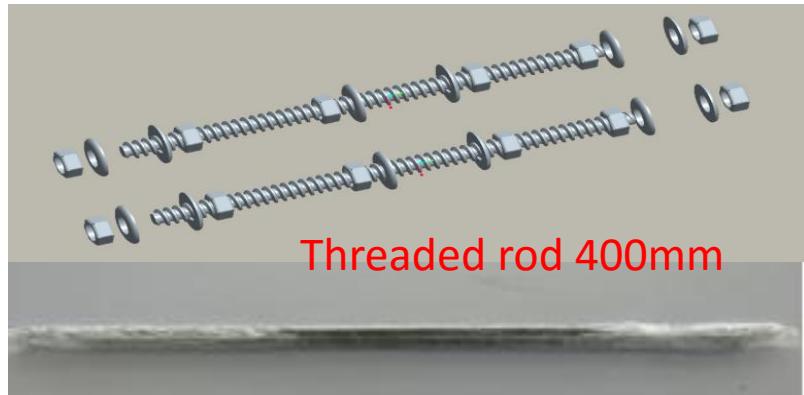
Before Assembly



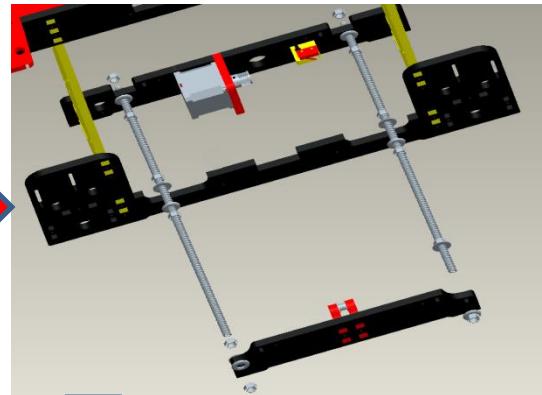
After Assembly



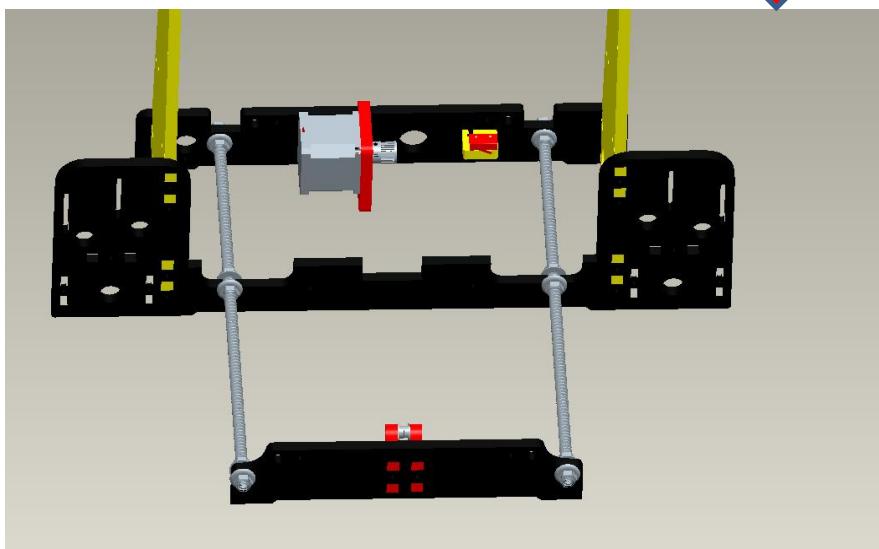
# Assembly Step 6



Before Assembly



After Assembly



Name and Qty. of printer parts

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

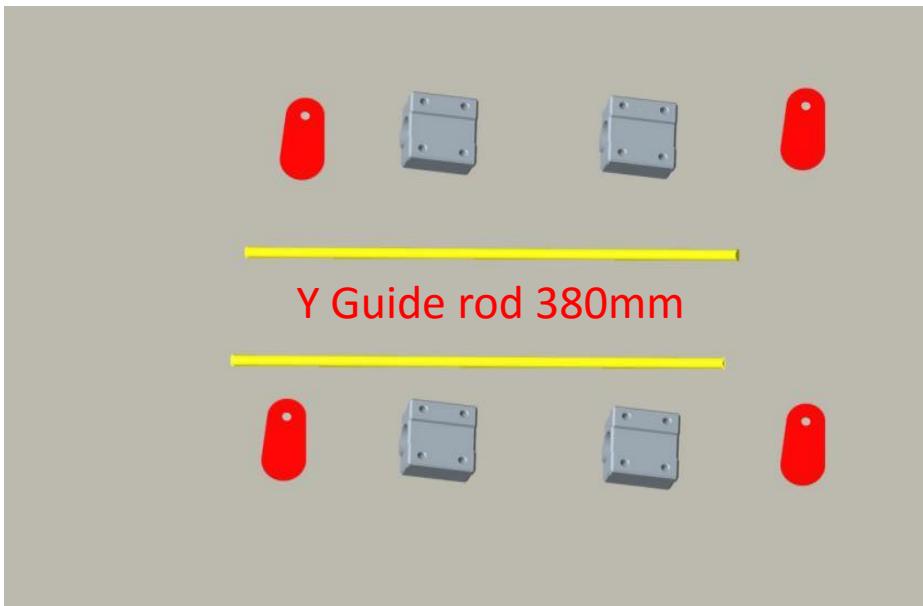
## Name and Qty. of printer parts

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

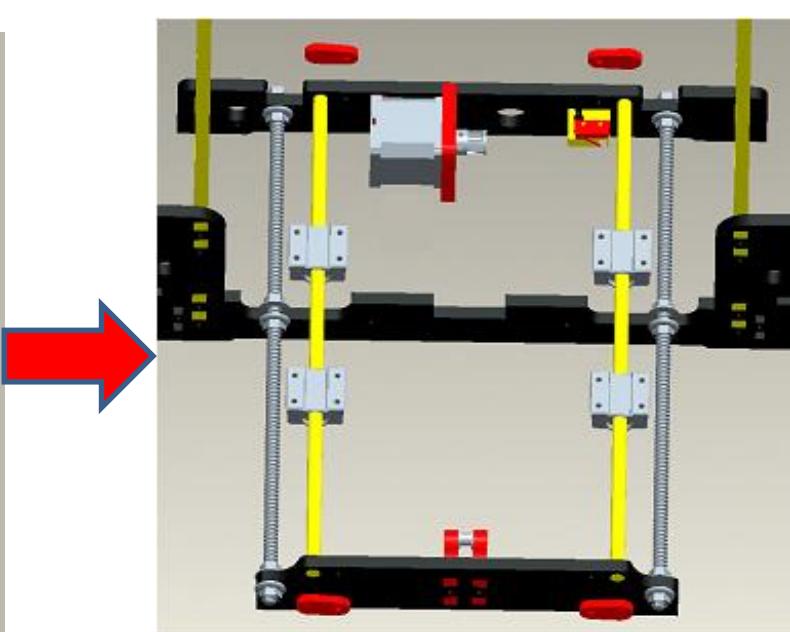


## Assembly Step 7

### Before Assembly



### After Assembly



# Assembly Step 8

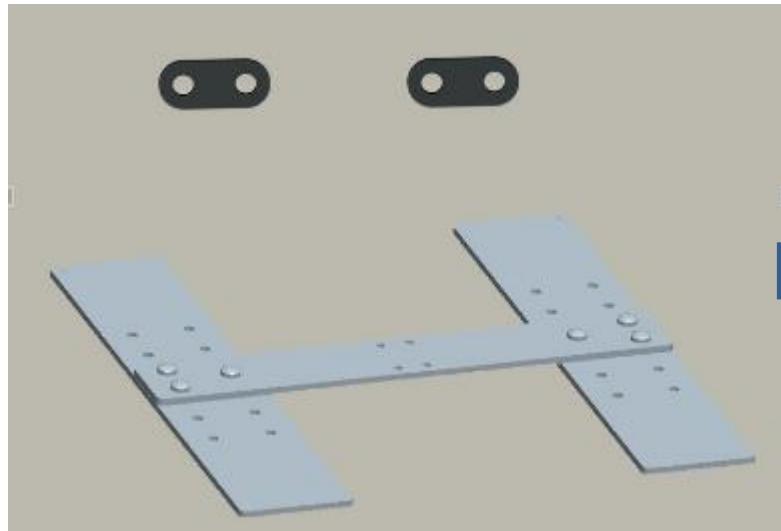


Name and Qty. of printer parts

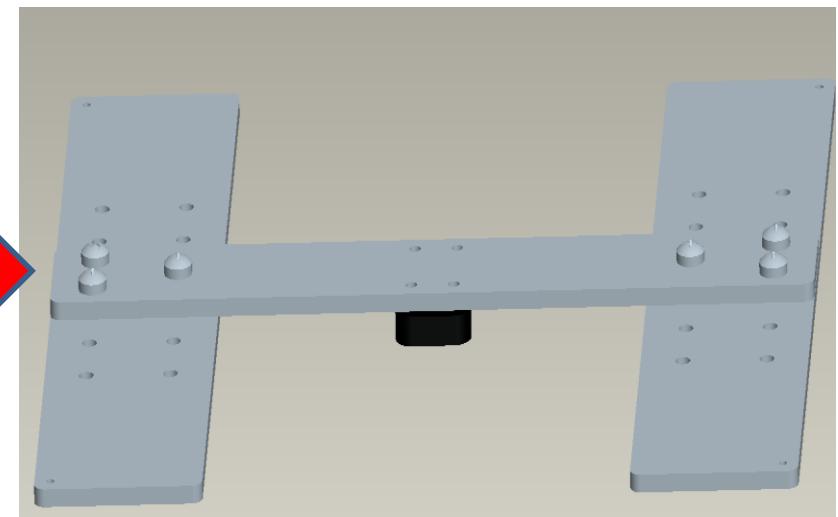
Item	Name of parts	Q.T.Y.
1	Hot bed fixed aluminum plate	1
2	Y axis belt fixation clamp	2
3	M4*14 screw	4

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

Before Assembly

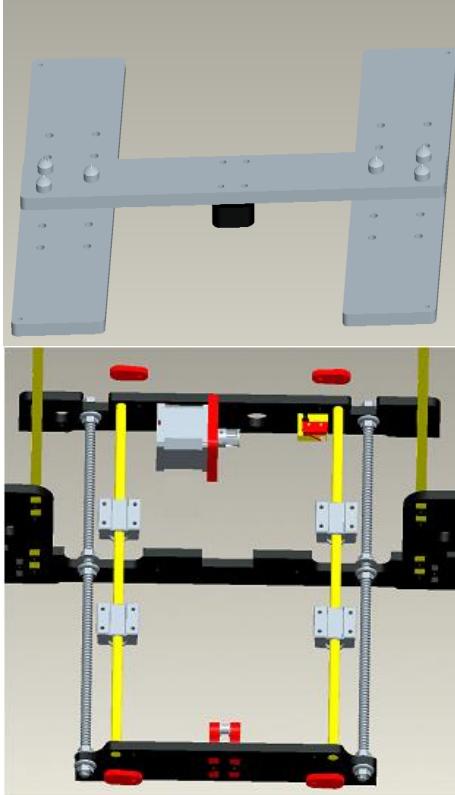


After Assembly



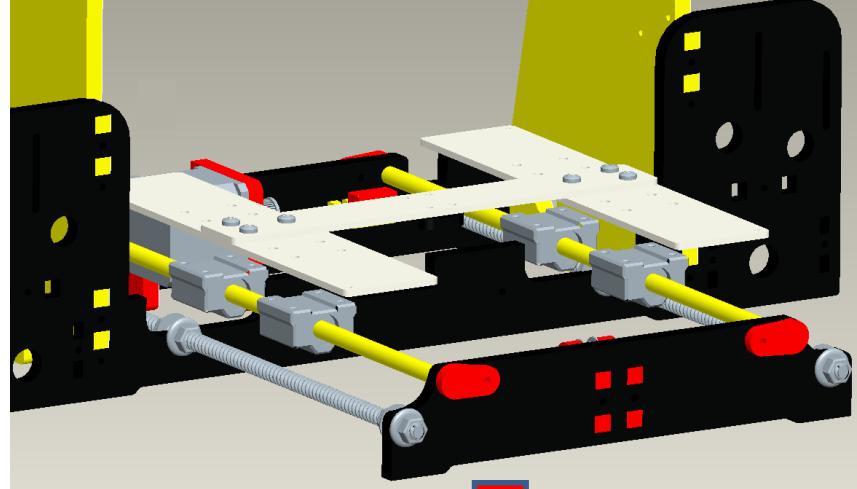
# Assembly Step 9

Before Assembly

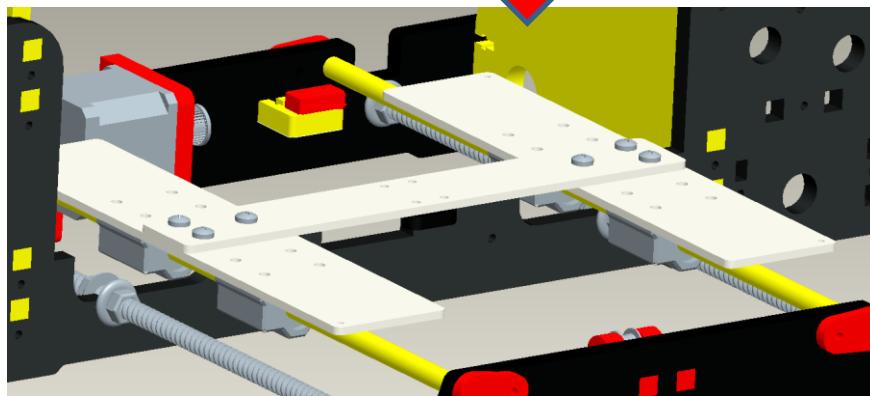


Name of QTY. of printer part

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 9

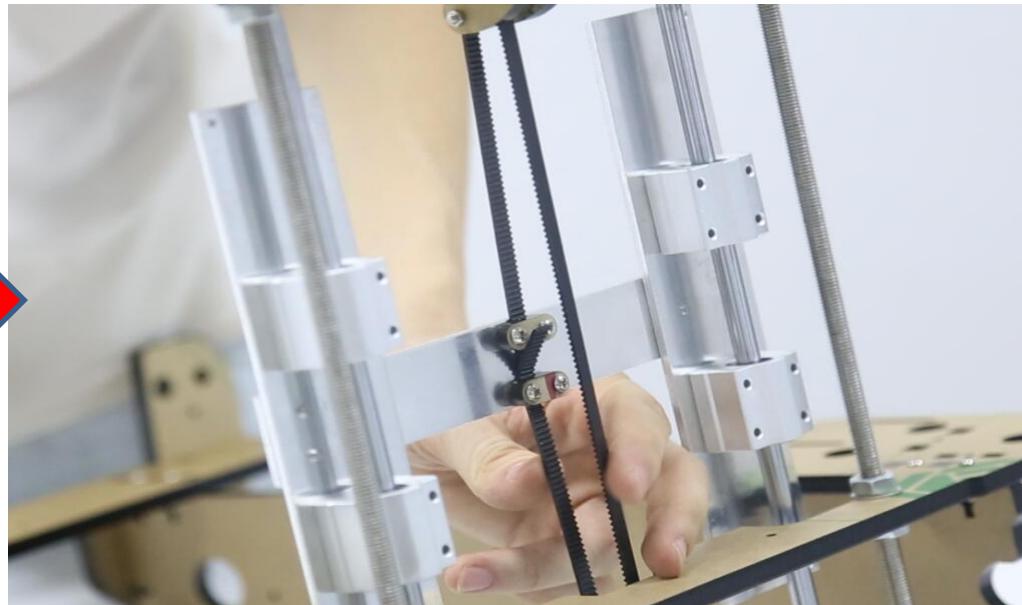
Name and Qty. of printer parts

Item	Name of parts	QTY.
1	Belt	1

Before Assembly



After Assembly

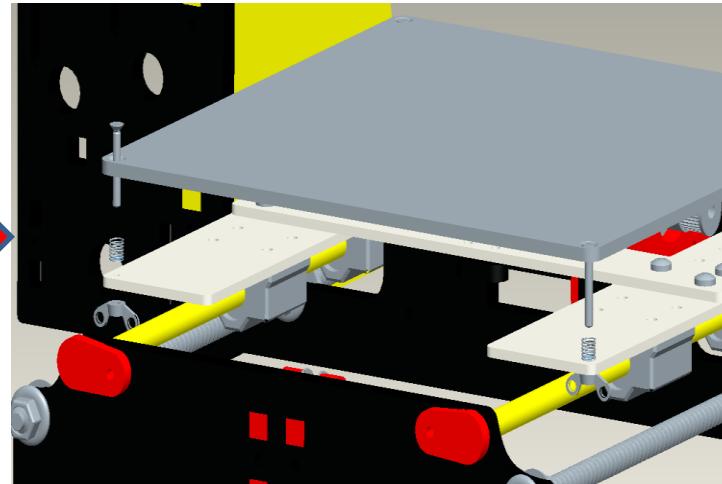
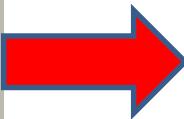
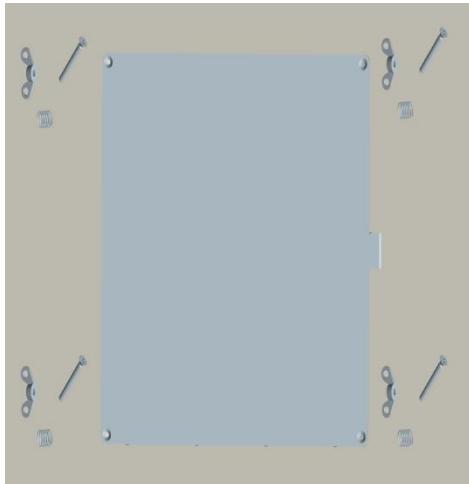


Attention: Belt is for X&Y axis transmitting .Cut the length you need to each transmission shaft. The belt is 1.5m in total and 10-20cm left after installation.

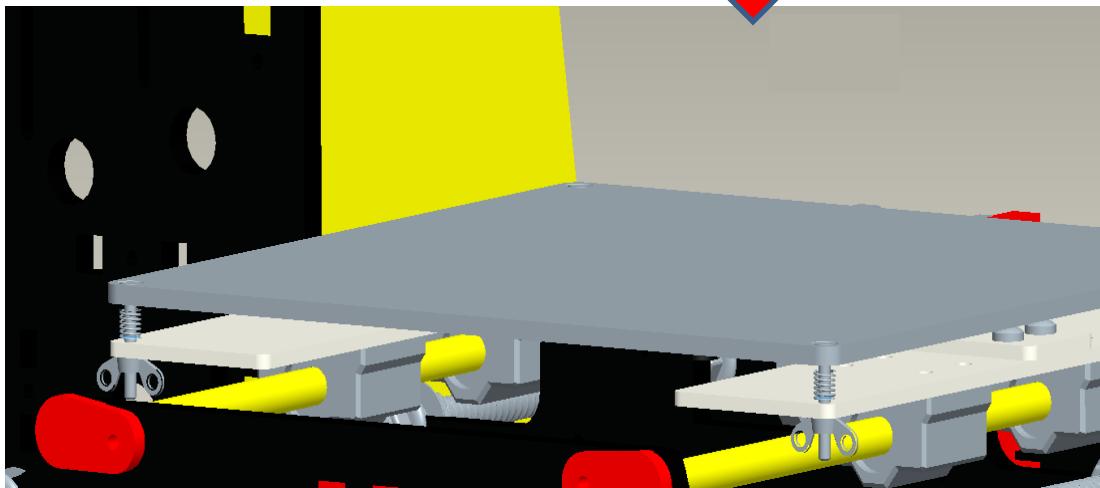
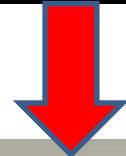
# Assembly Step 10

Attention: Hot bed screws should be in the bottom, and wing nuts will keep the height of hot bed level as well as firming the hotbed.

## Before Assembly



## After Assembly

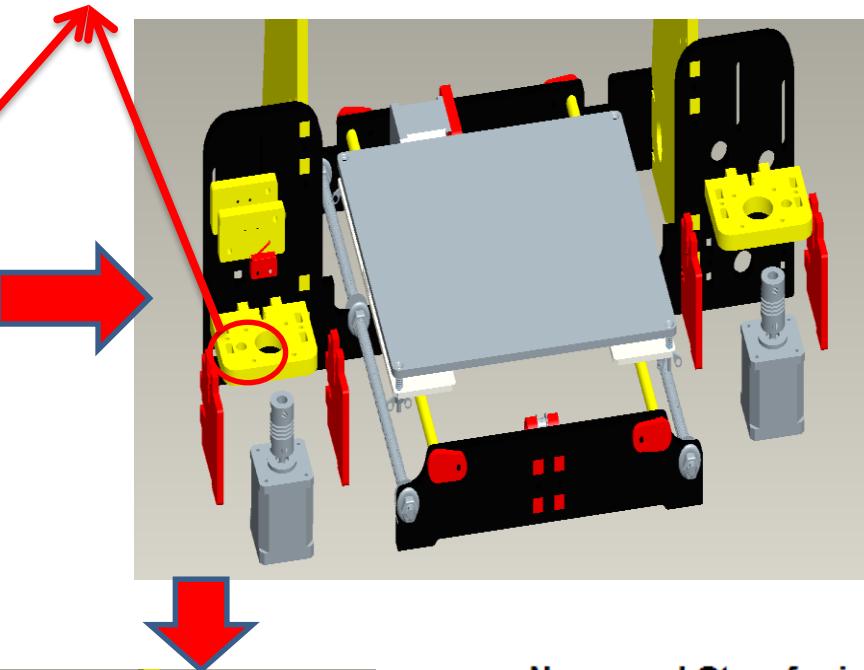
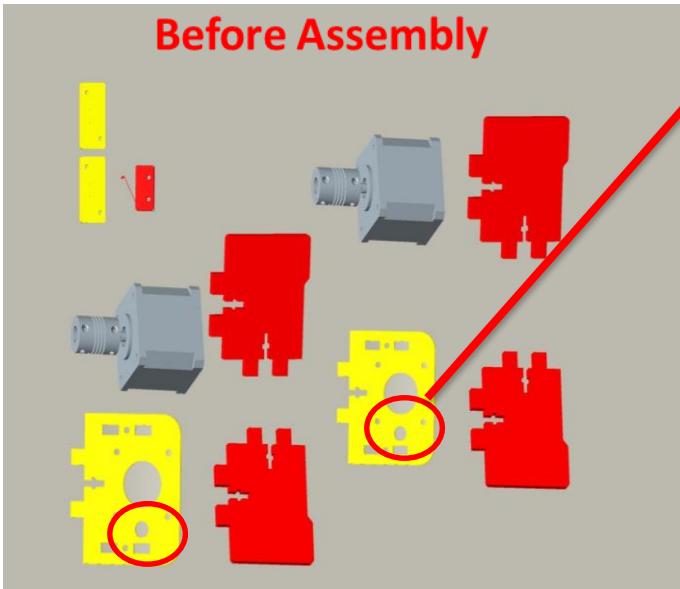


## Name and Qty. of printer parts

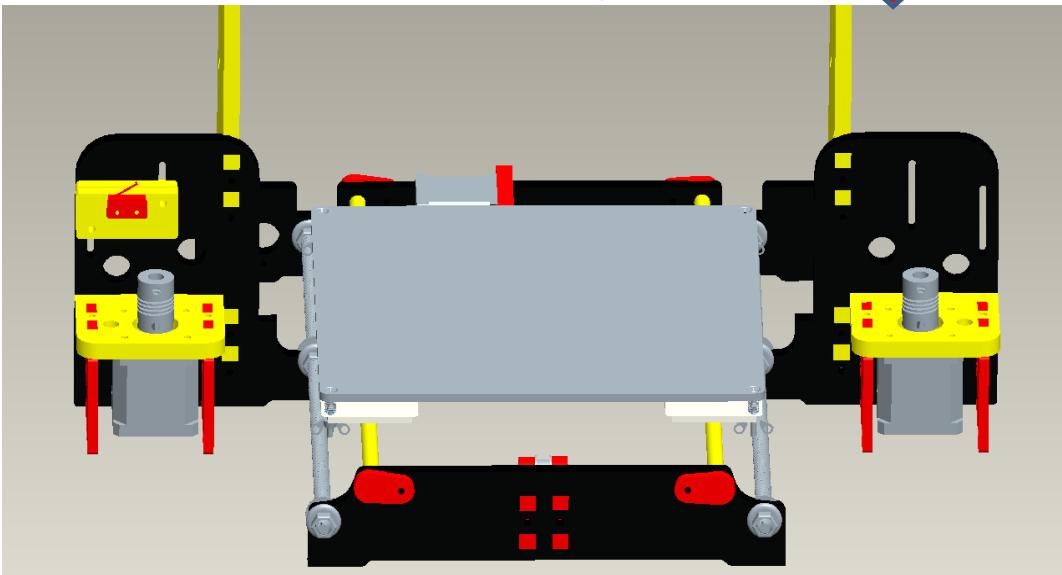
Item	Name of parts	Q.T.Y.
1	Step 9	1
2	Hot bed	1
3	M3*30 Screw	4
4	Spring	4
5	M3 wing nut	4

# Assembly Step 11

Attention: This hole is for Z axis guide rod positioning



After Assembly



Name and Qty. of printer parts

Item	Name of parts	Q.T.Y.
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	10
9	M3*12 Screw	8

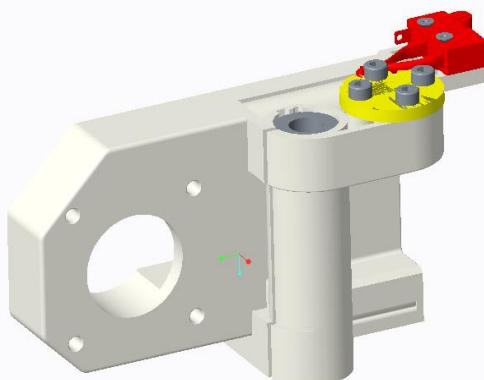
# Assembly Step 13

Before Assembly

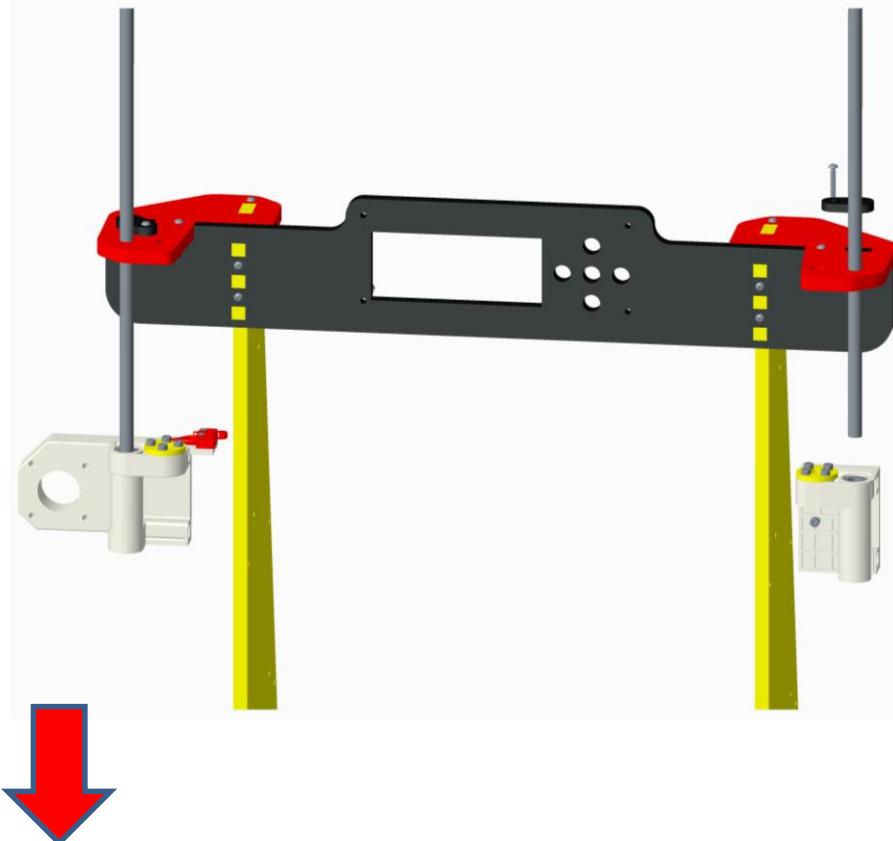


Name and Qty. of printer parts

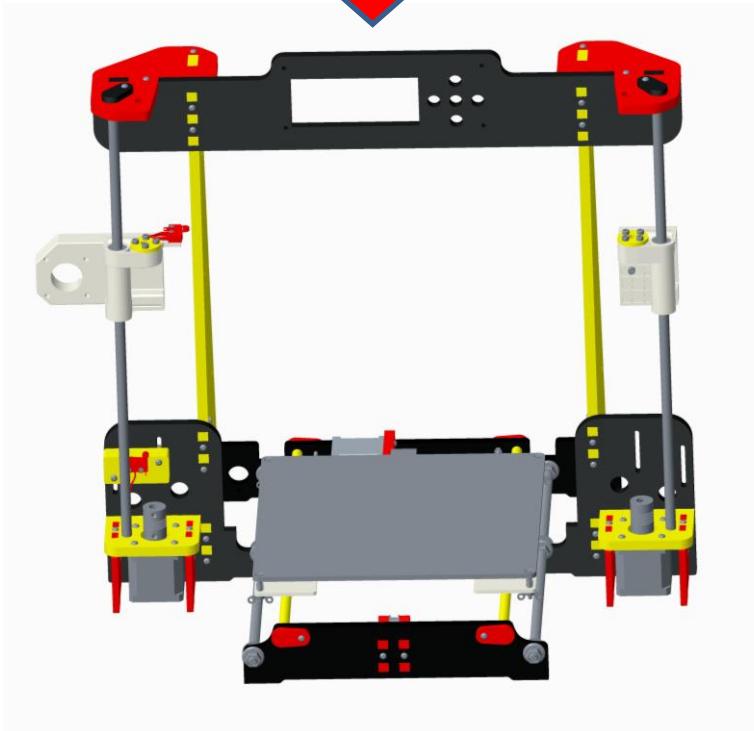
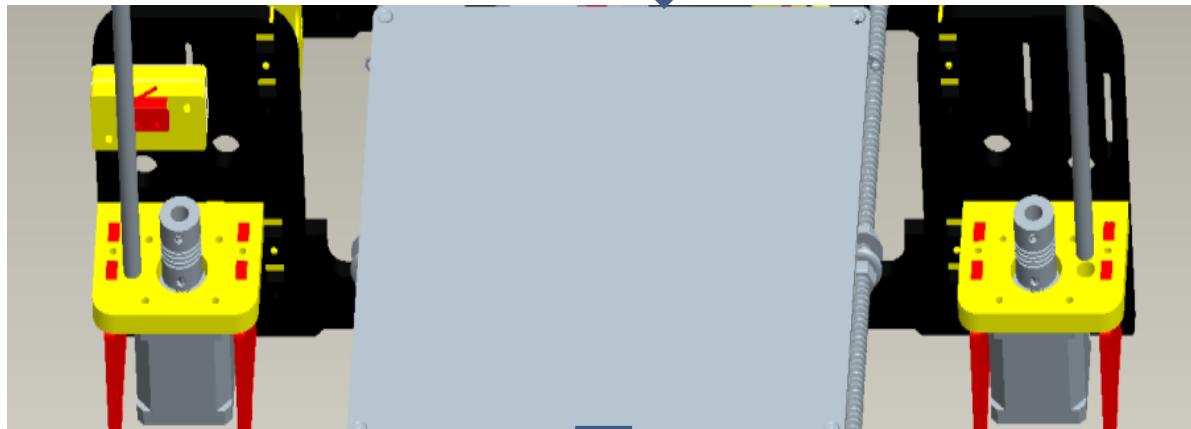
Item	Name of parts	Q.T.Y.
1	Step 11	1
2	Step 12	1
3	Right Z axis nut support	1
4	Guide rod back up plate	2
5	Z axis Guide rod 380mm	2
6	M3*18 screw	2
7	M3 Nut	2



Z axis Guide rod:380mm



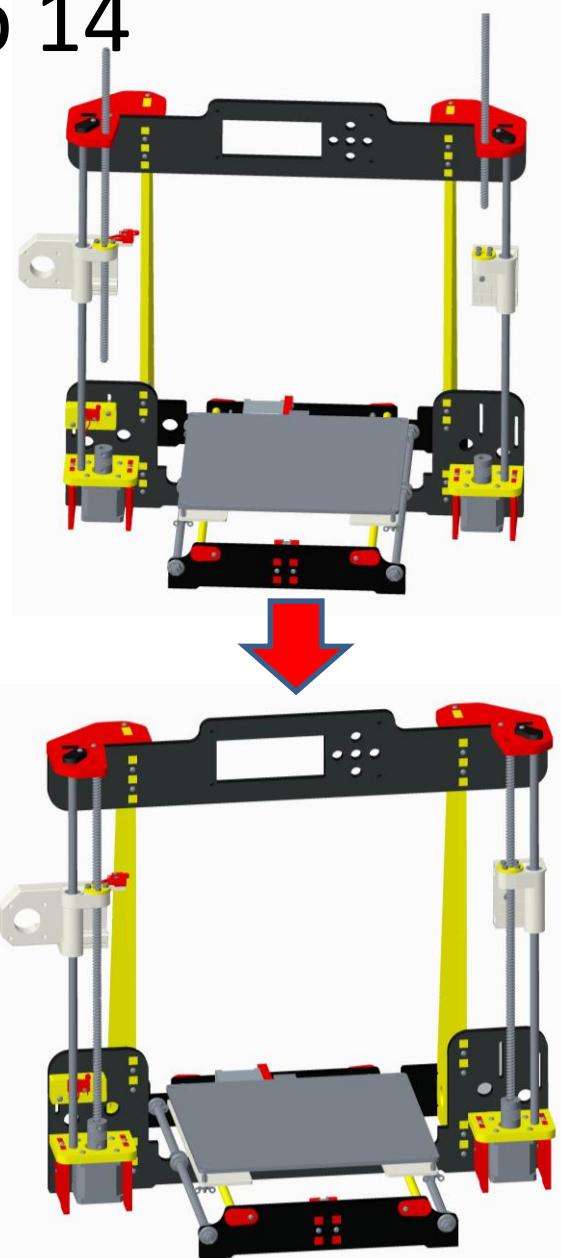
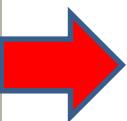
# Assembly Step 13



After Assembly

# Assembly Step 14

Before Assembly



T lead screw 345mm

Name and Qty. of printer parts

Item	Name of parts	Q.TY.
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

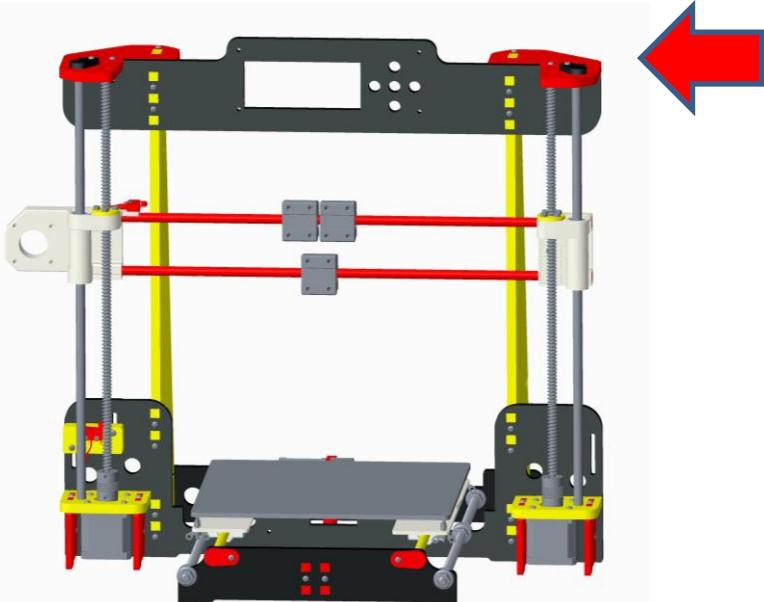
# Assembly Step 15

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

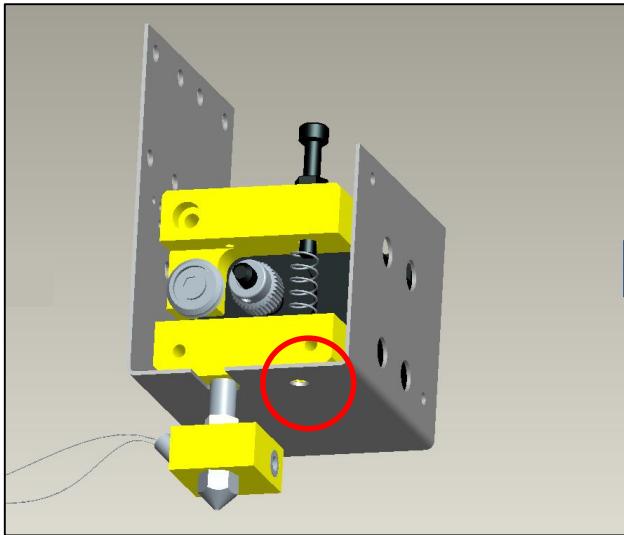


Name and Qty. of printer parts

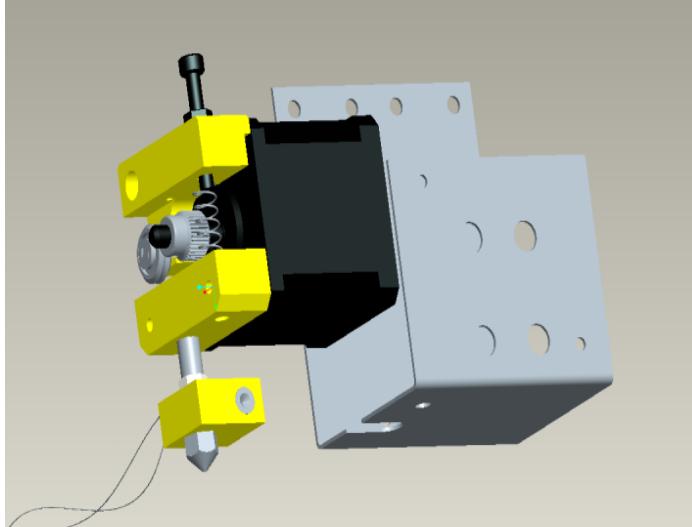
Item	Name of parts	QTY.
1	Step 14	1
2	X axis Guide rod	2
3	Linear bearing	3

# Assembly Step 16

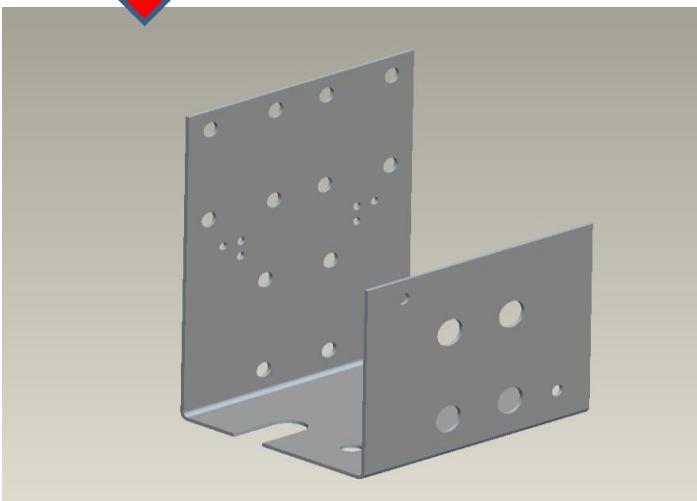
Before disassembly



After disassembly



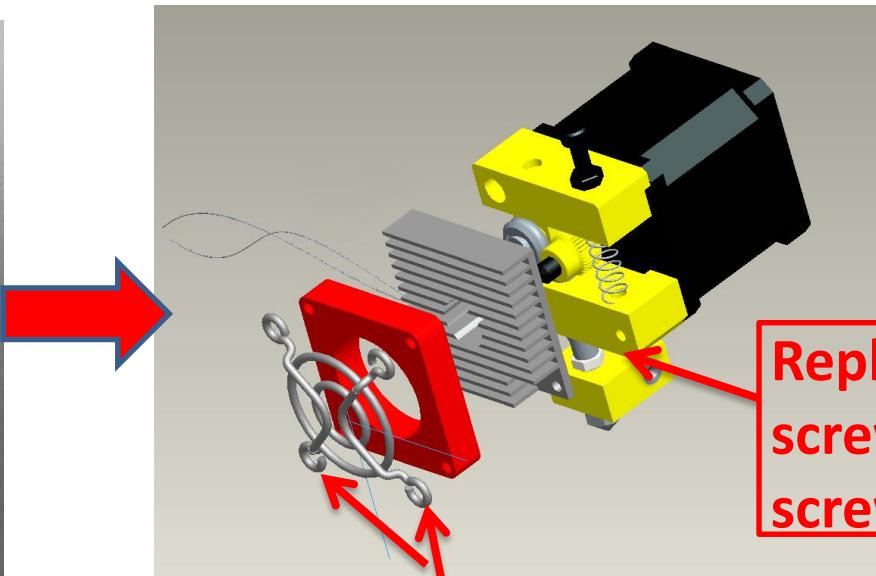
After disassembly



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

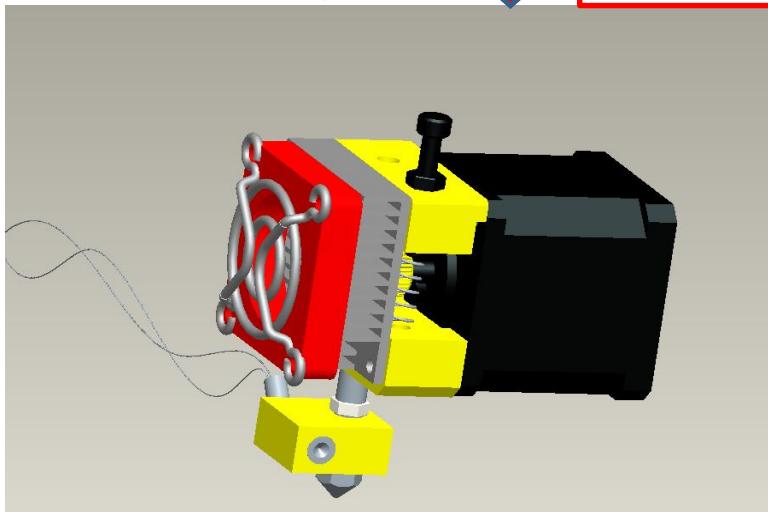
# Assembly Step 17

Before Assembly



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

After Assembly

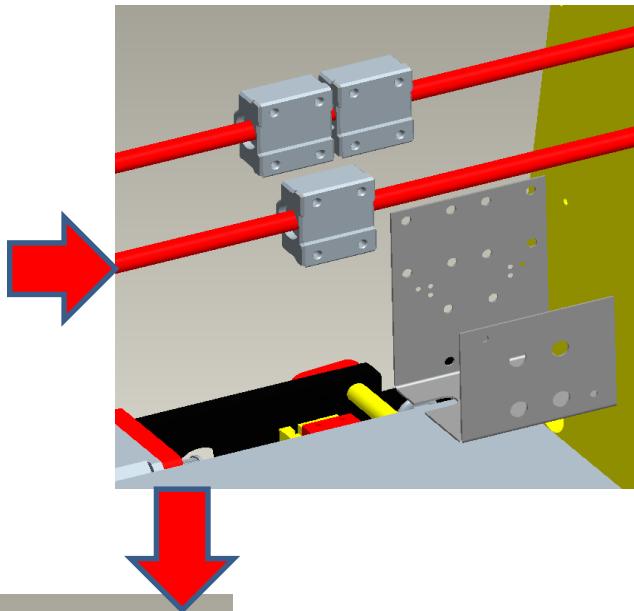
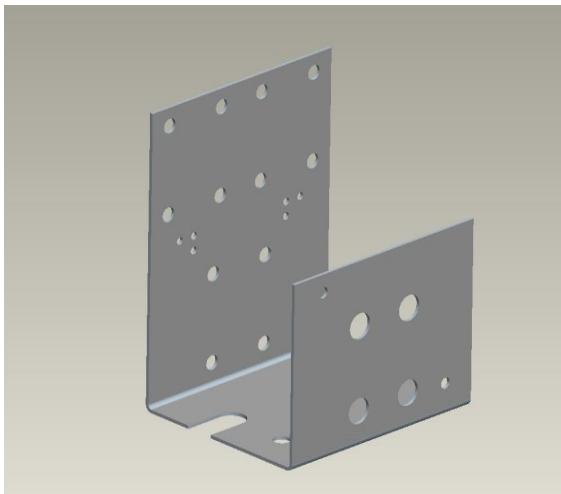


Name of QTY. of printer part

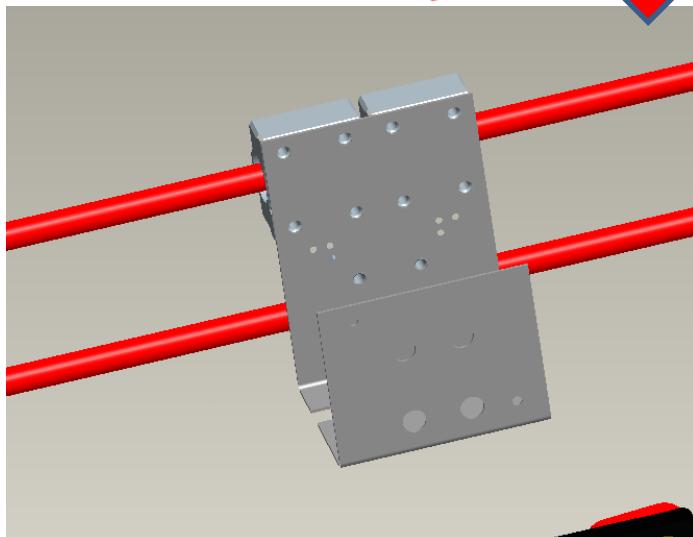
Item	Name of parts	QTY.
1	Extruder taken from Step 16	1
2	40*10 Fan	1
3	40*11 Cooling fin	1
4	Fan cover	1
5	M3*45 Screw	2
6	M3 Spacer	6-8

# Assembly Step 18

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

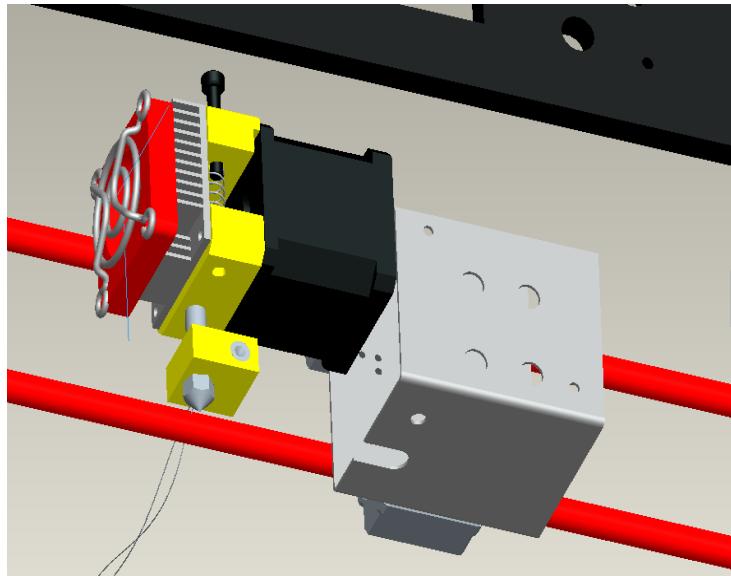
# Assembly Step 19

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

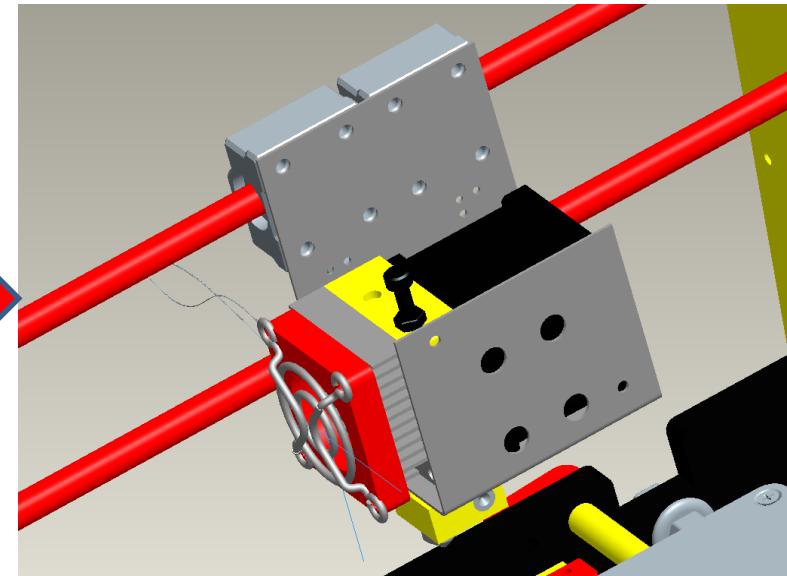
Name of QTY. of printer part

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



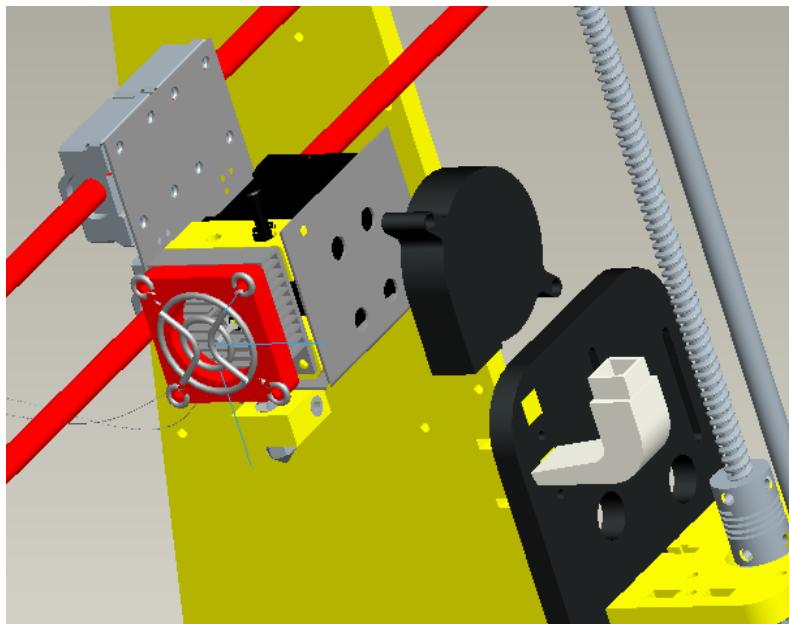
# Assembly Step 20



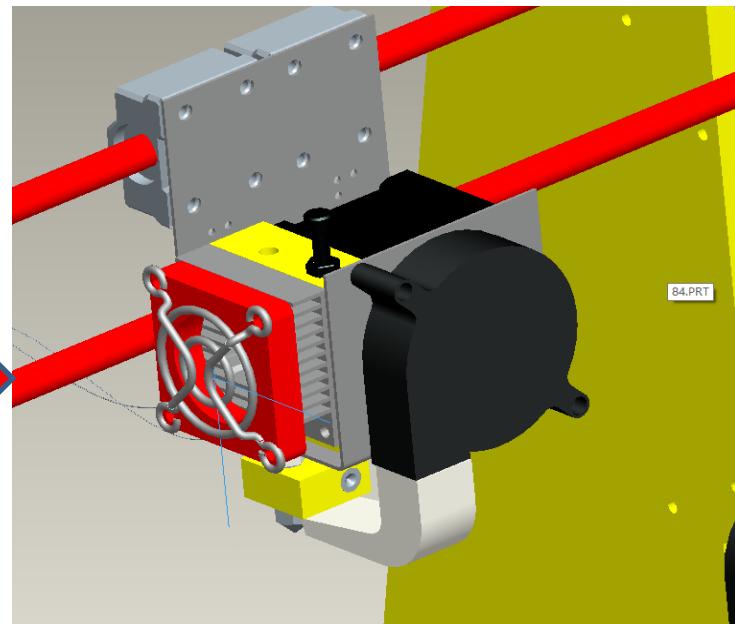
Name of QTY. of printer part

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

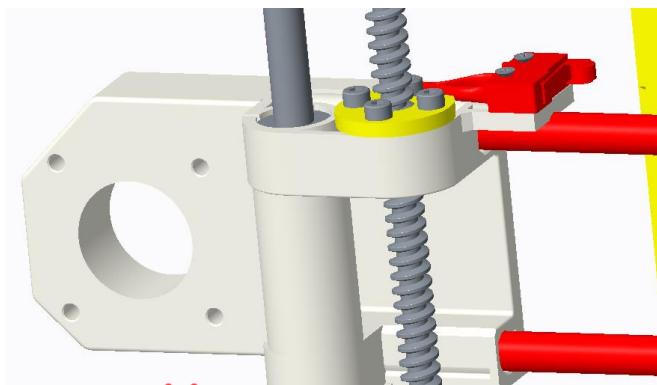


After Assembly

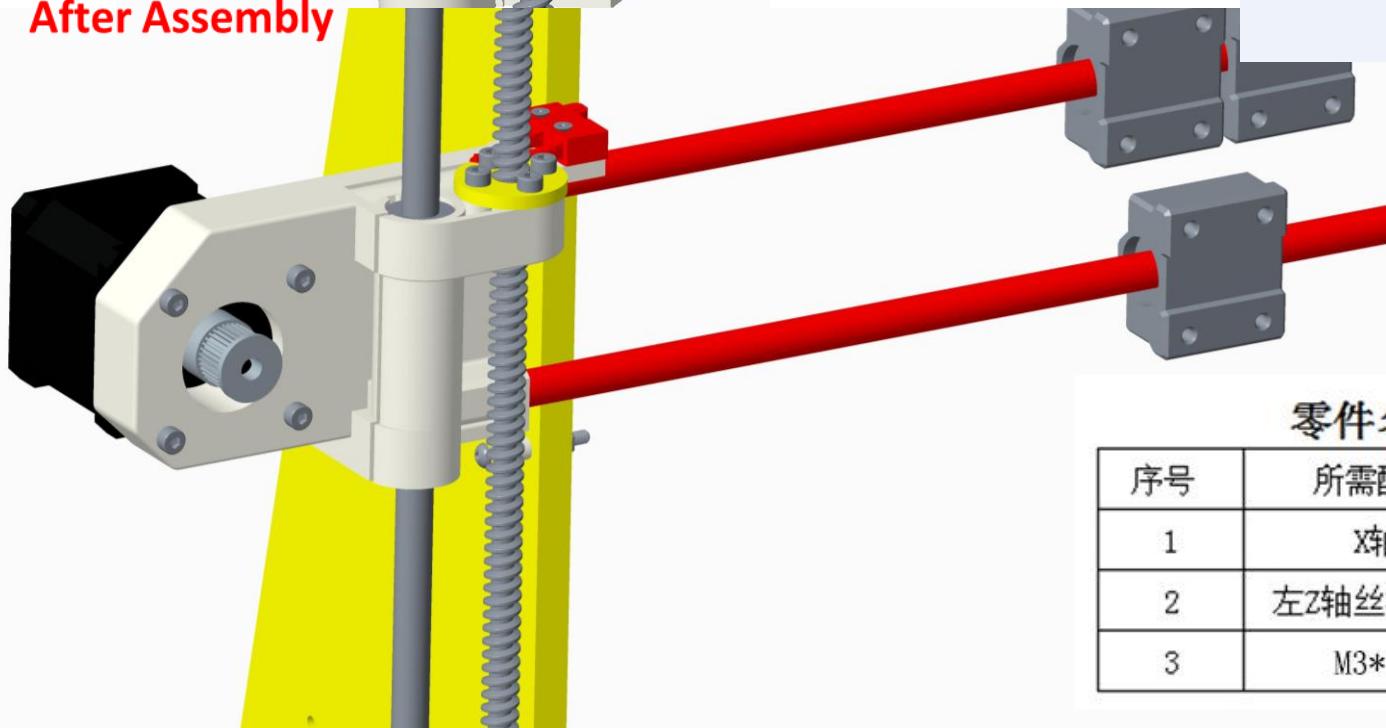


# Assembly Step 12

Before Assembly



After Assembly



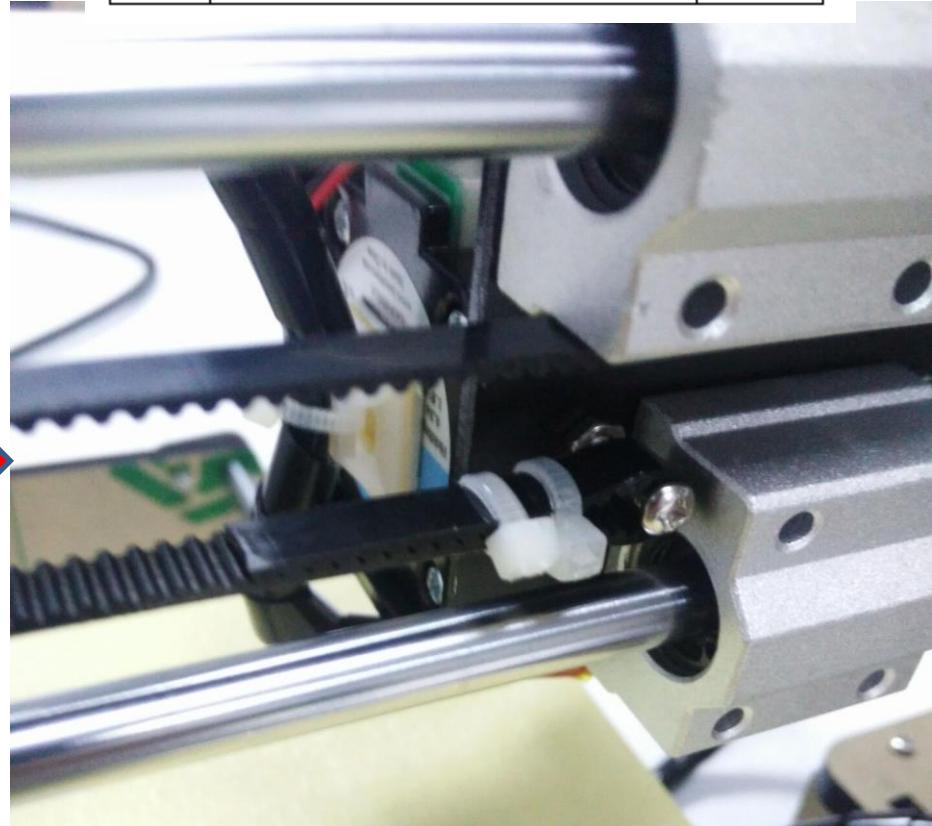
零件名称和数量

序号	所需配件名称	数量
1	X轴电机	1
2	左Z轴丝杆螺母支撑	1
3	M3*20螺丝	4

# Assembly Step 21

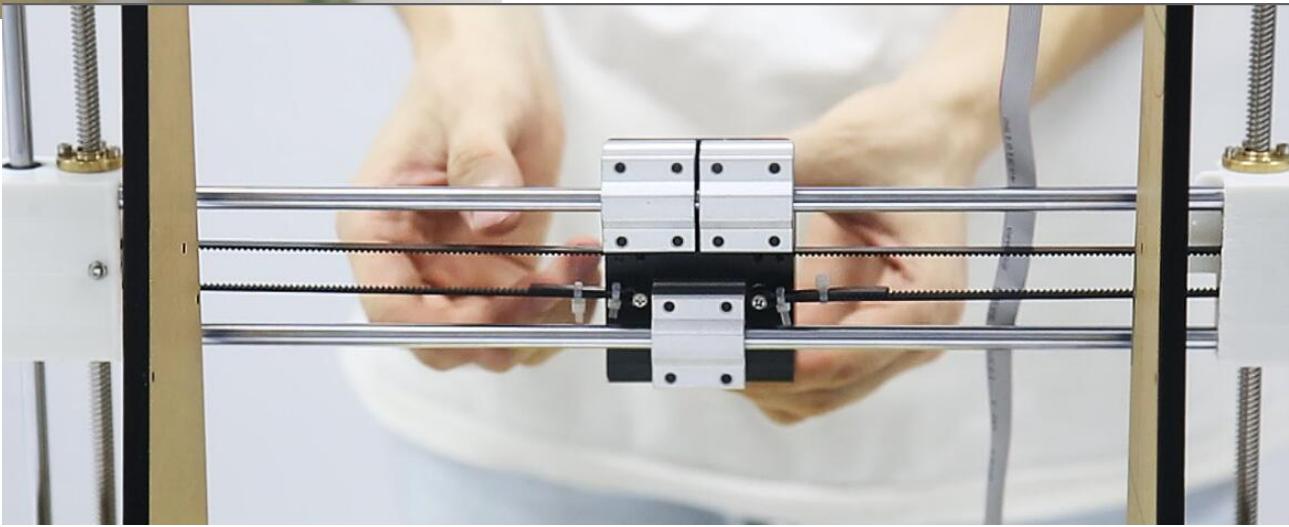
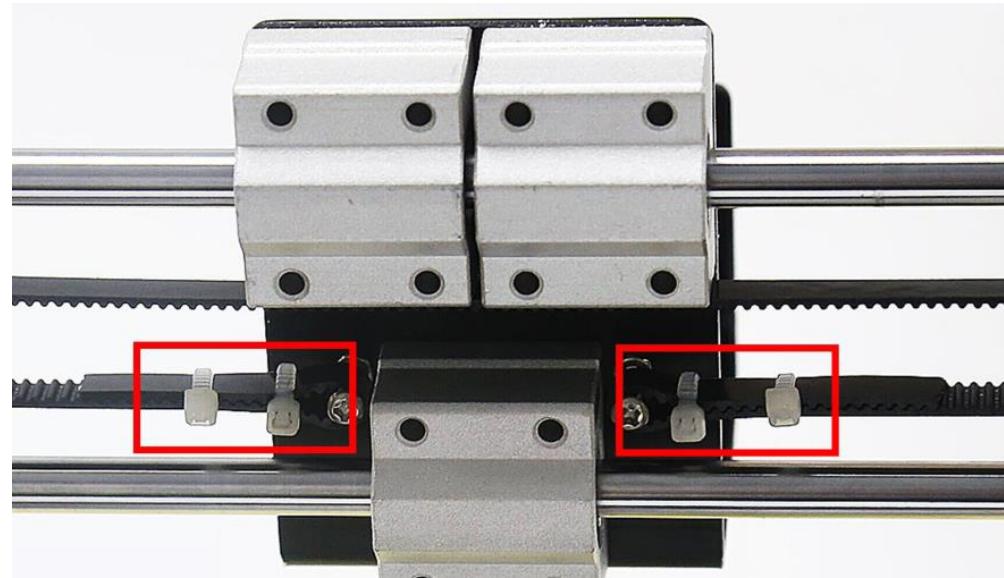
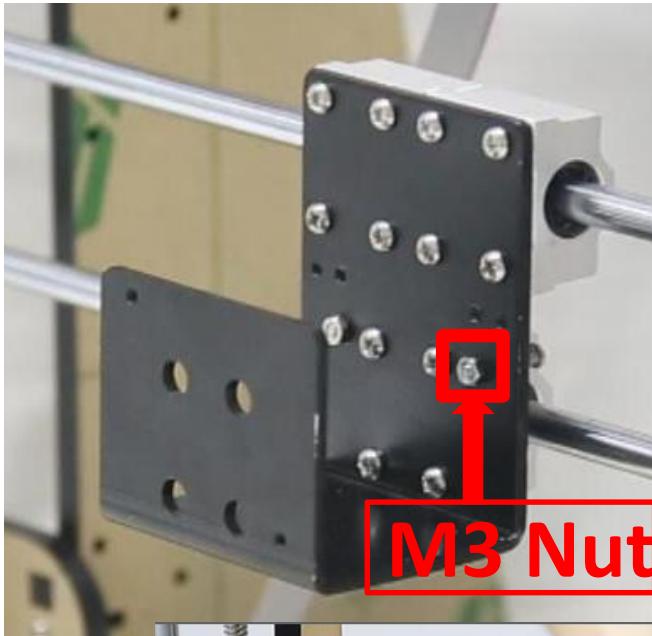
Name of QTY. of printer part

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 21



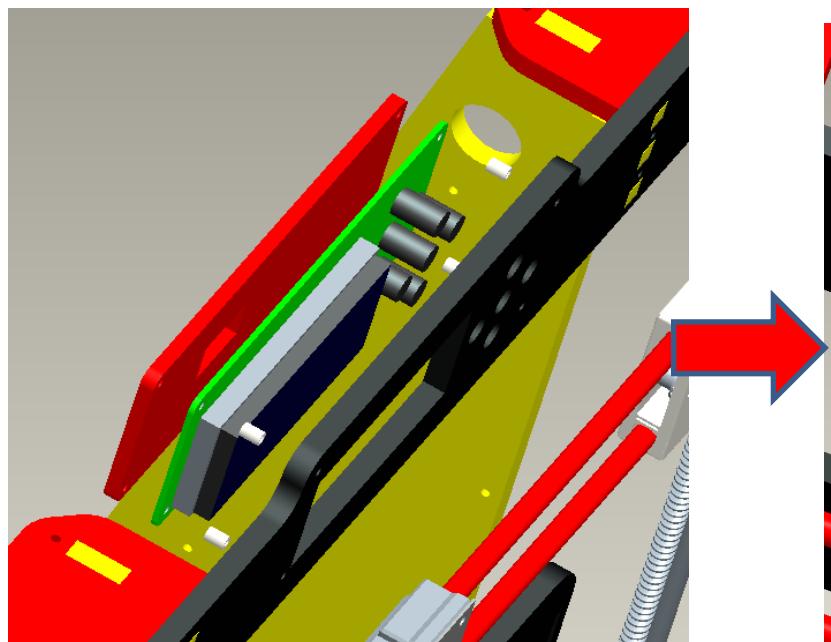
# Assembly Step 22



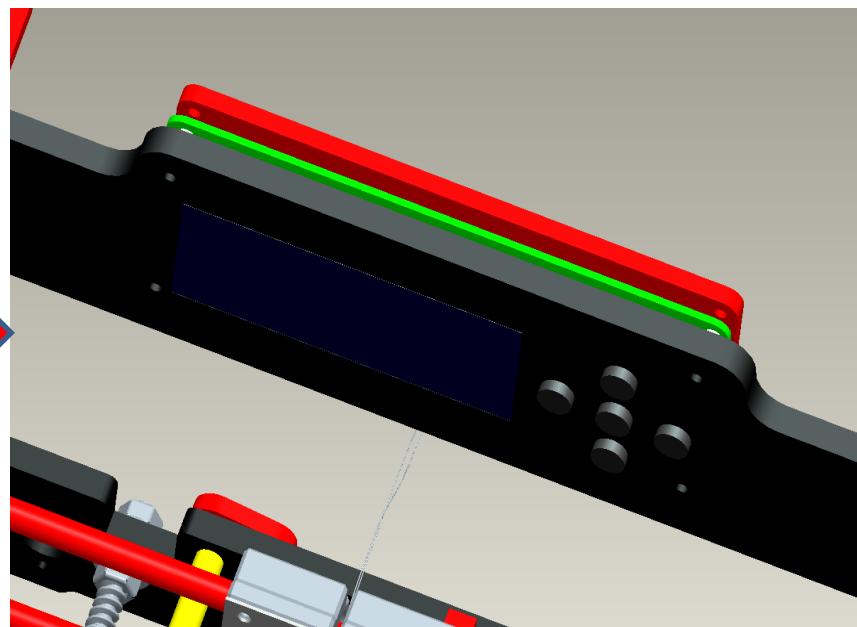
Name of QTY. of printer part

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

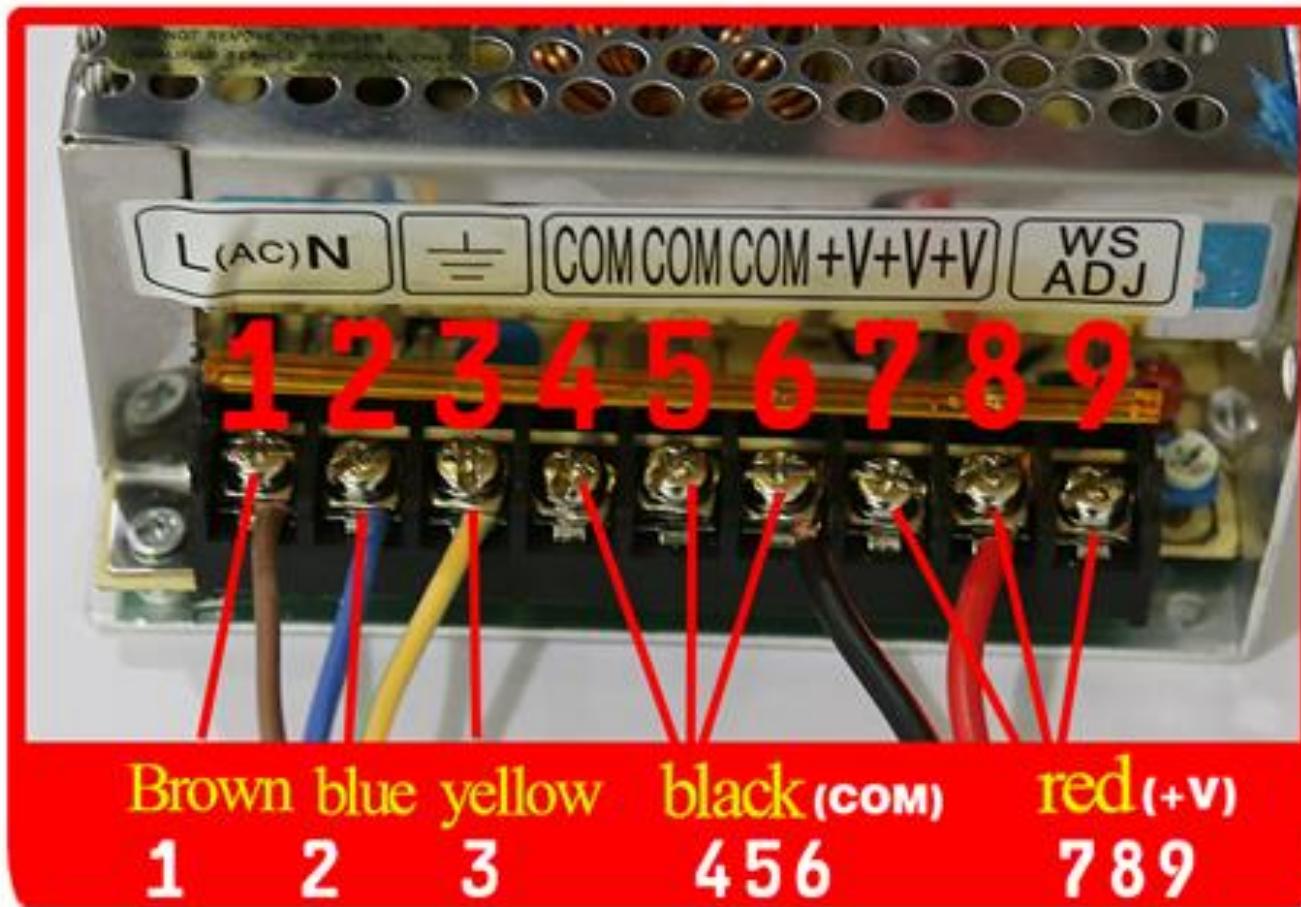


After Assembly



# Assembly Step 23

Attention This is the wiring diagram of power supply. 1, 2, 3 seperately 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 .



# Assembly Step 24

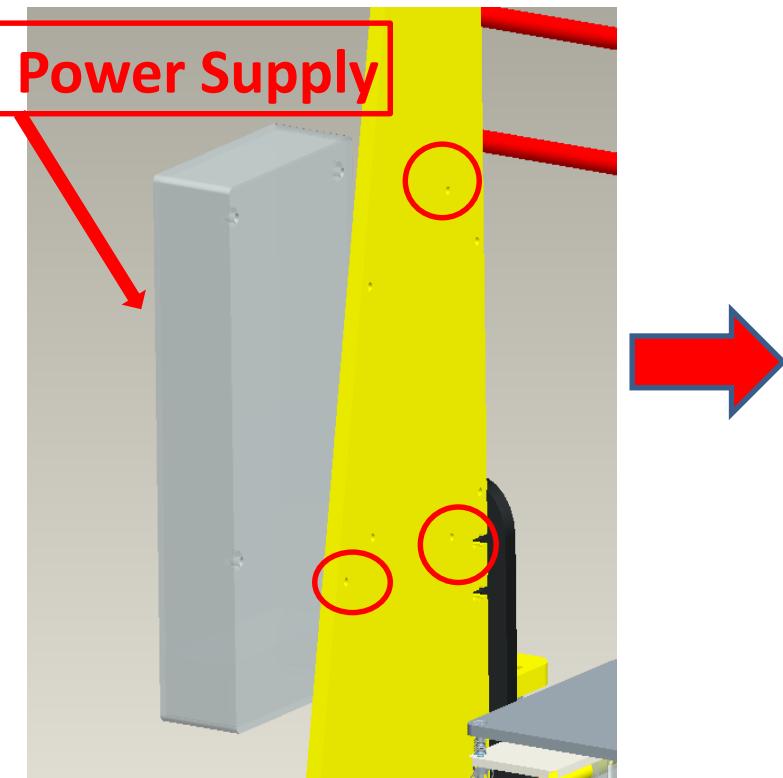
Red circles stand for the power screw holes



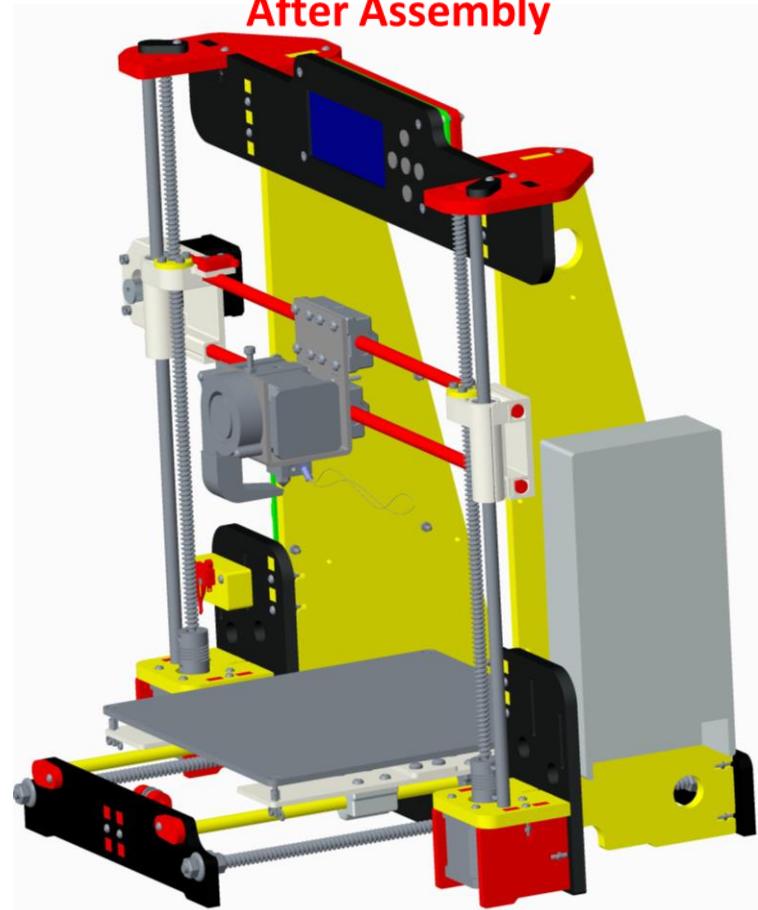
Name of QTY. of printer part

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

Before Assembly

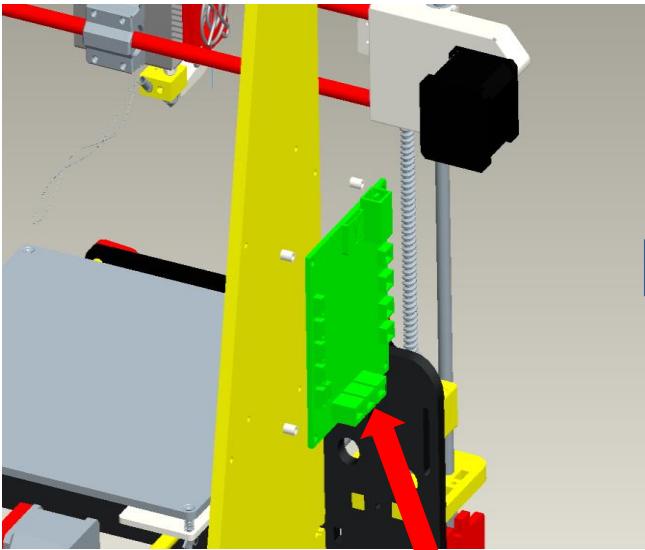


After Assembly



# Assembly Step 25

Before Assembly

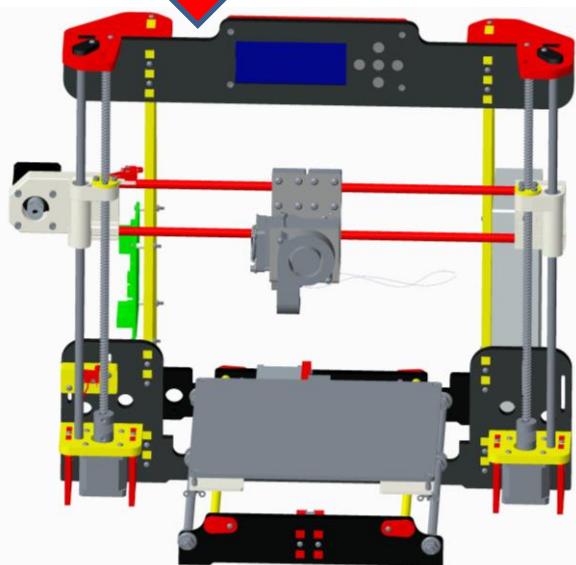
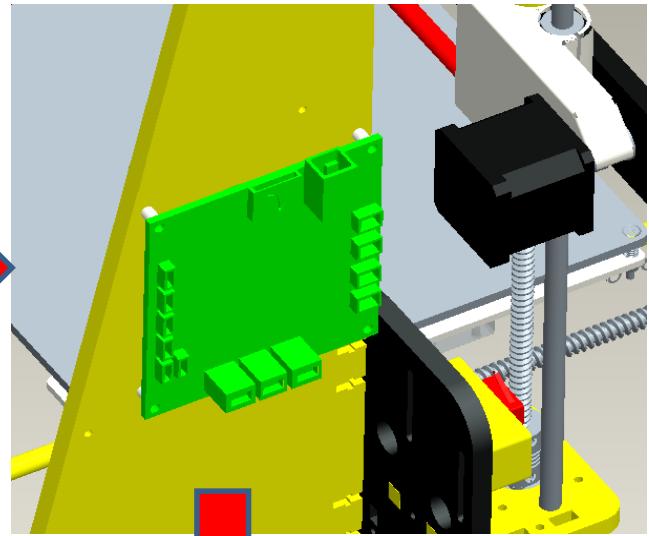


Mainboard

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

After Assembly



# Assembly Step 25

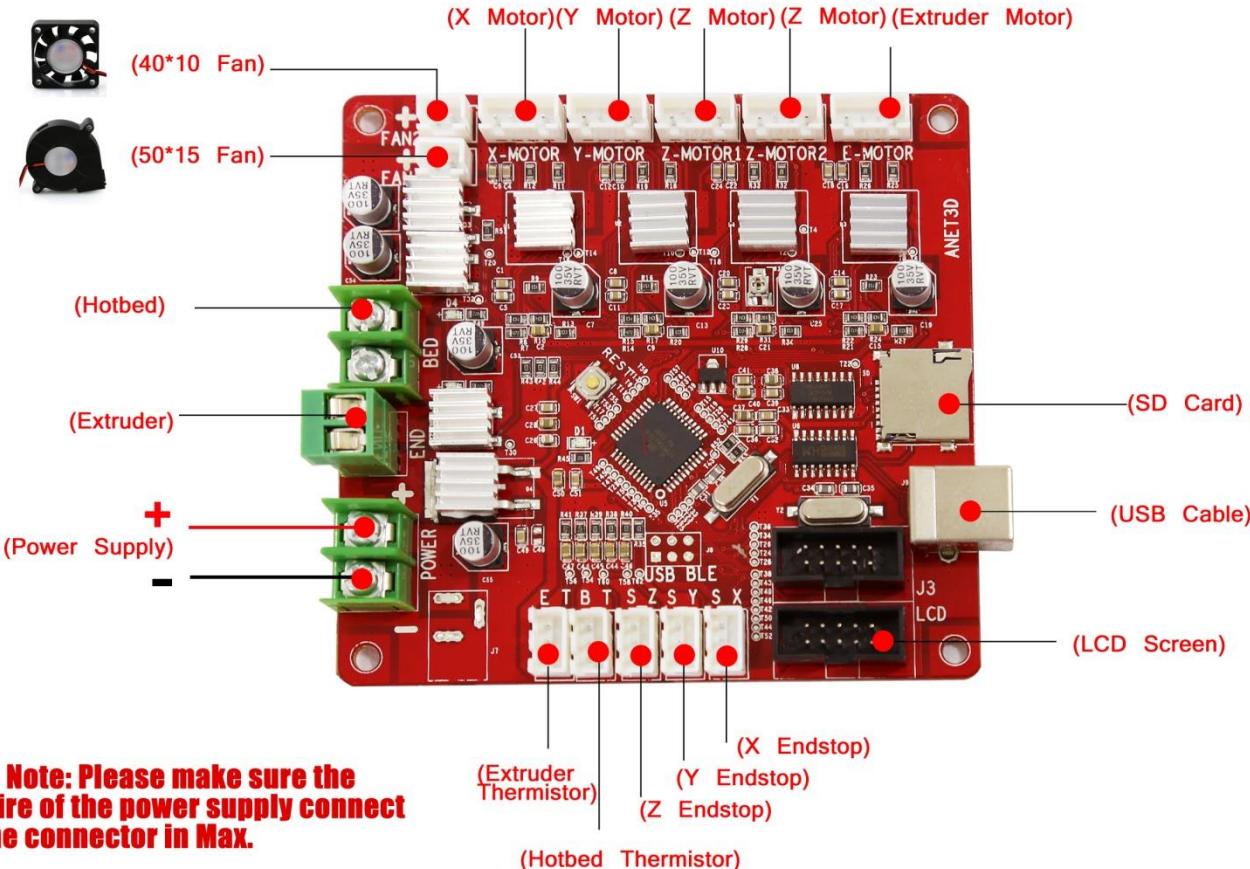
**Attention: Please use the corresponding wire , especially motor wire & limited switch wire.**

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 25

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

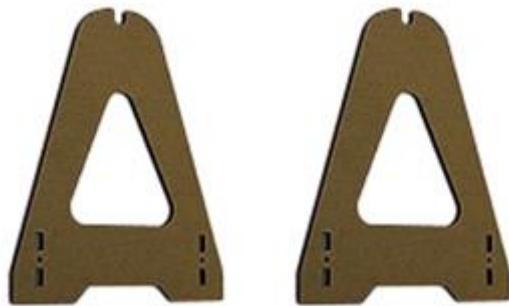


# Assembly Step 26

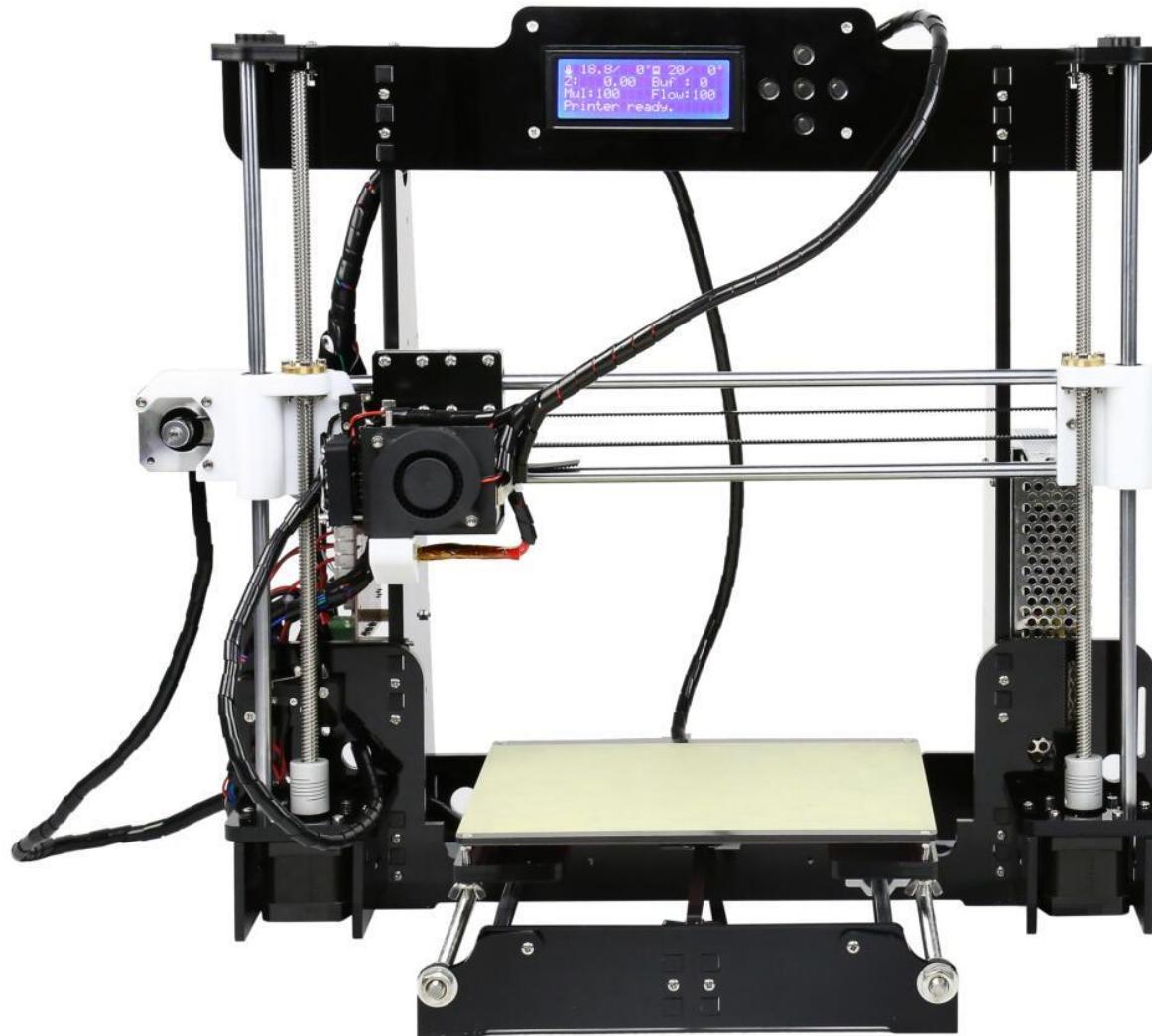


Name of QTY. of printer part

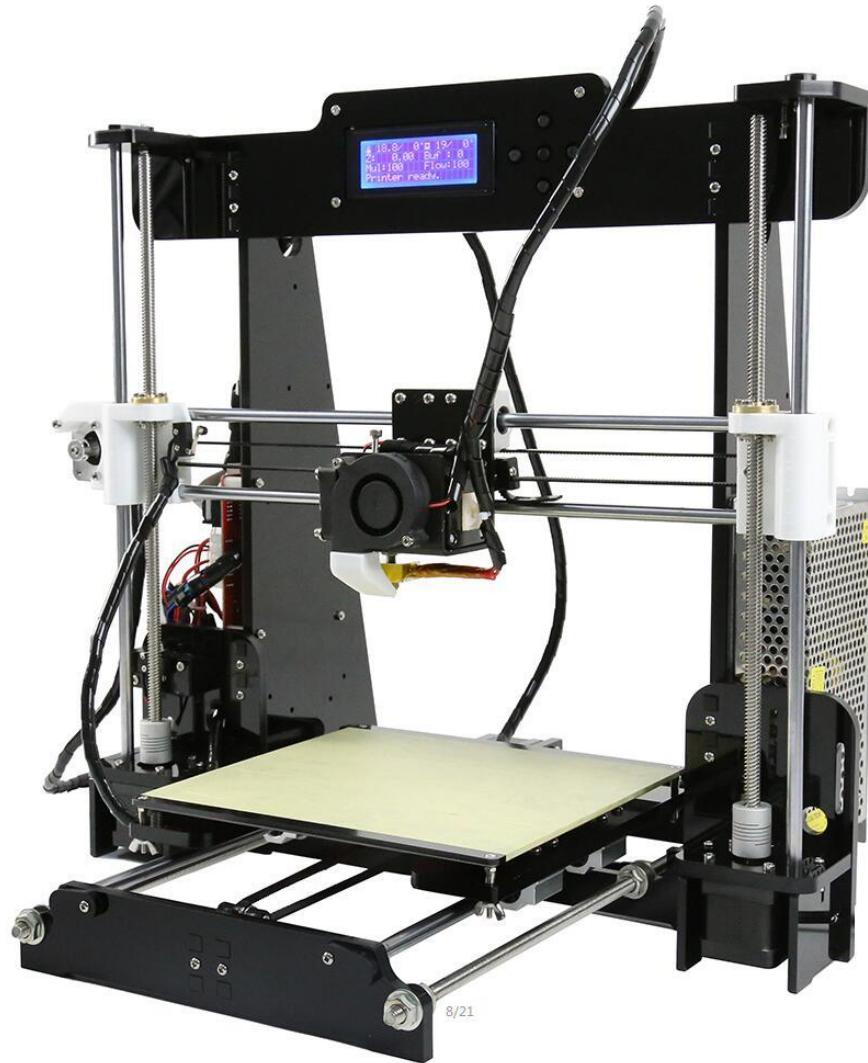
Item	Name of parts	QTY.
1	Filament support plate	2
2	Filament support plate connecting plate	2
3	Threaded rod 150mm	1
4	M8 screw	4
5	M3*18 screw	4
6	M3 Nut	4



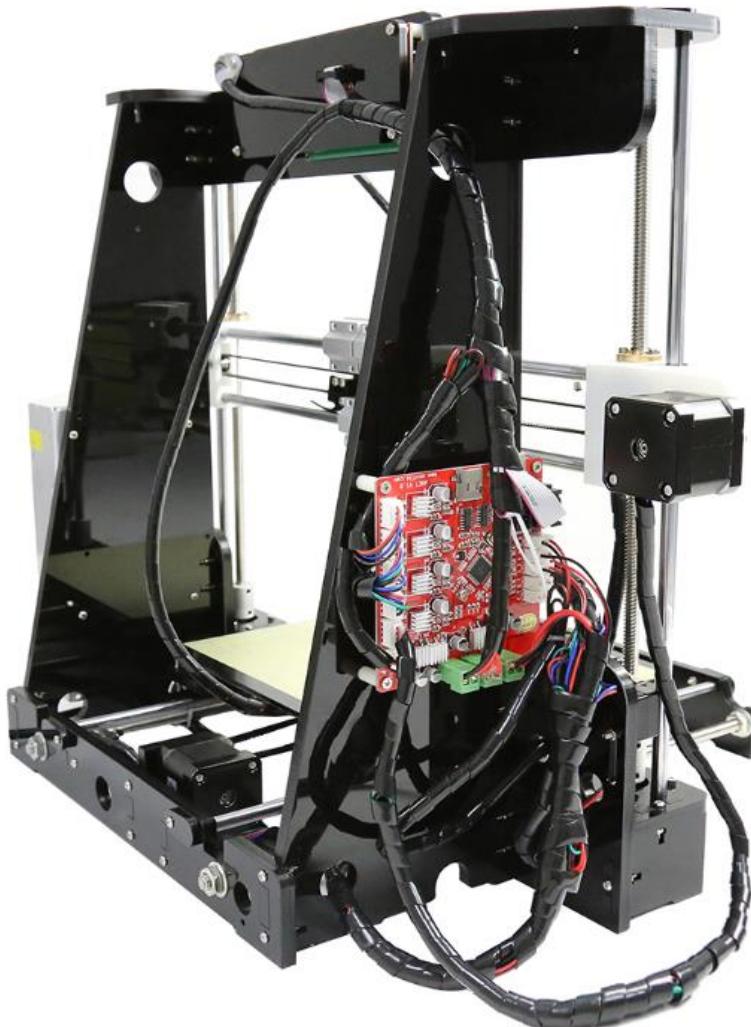
# Assembly Step 27 Installation Picture 1



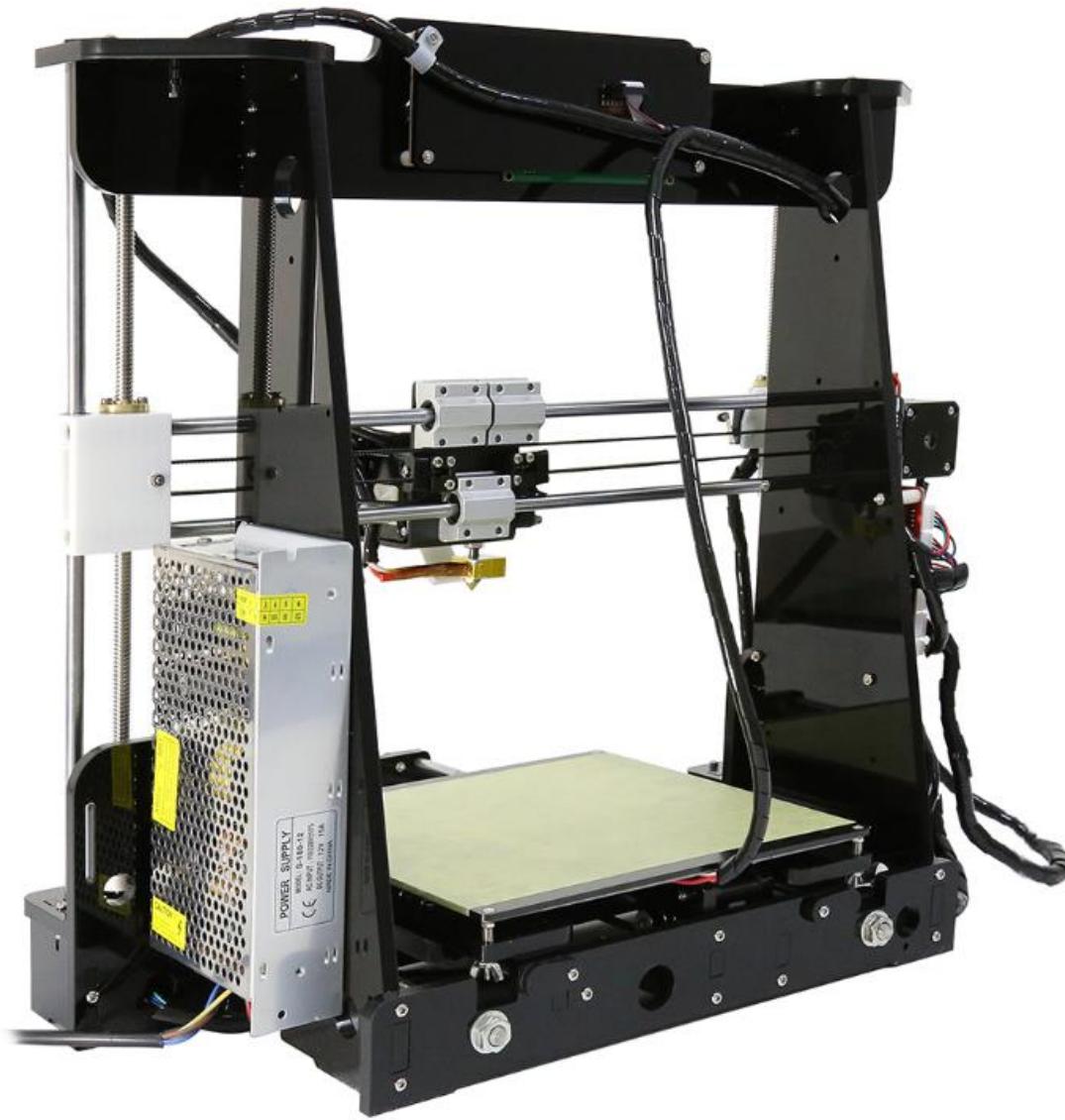
# Assembly Step 27 Installation Picture 2



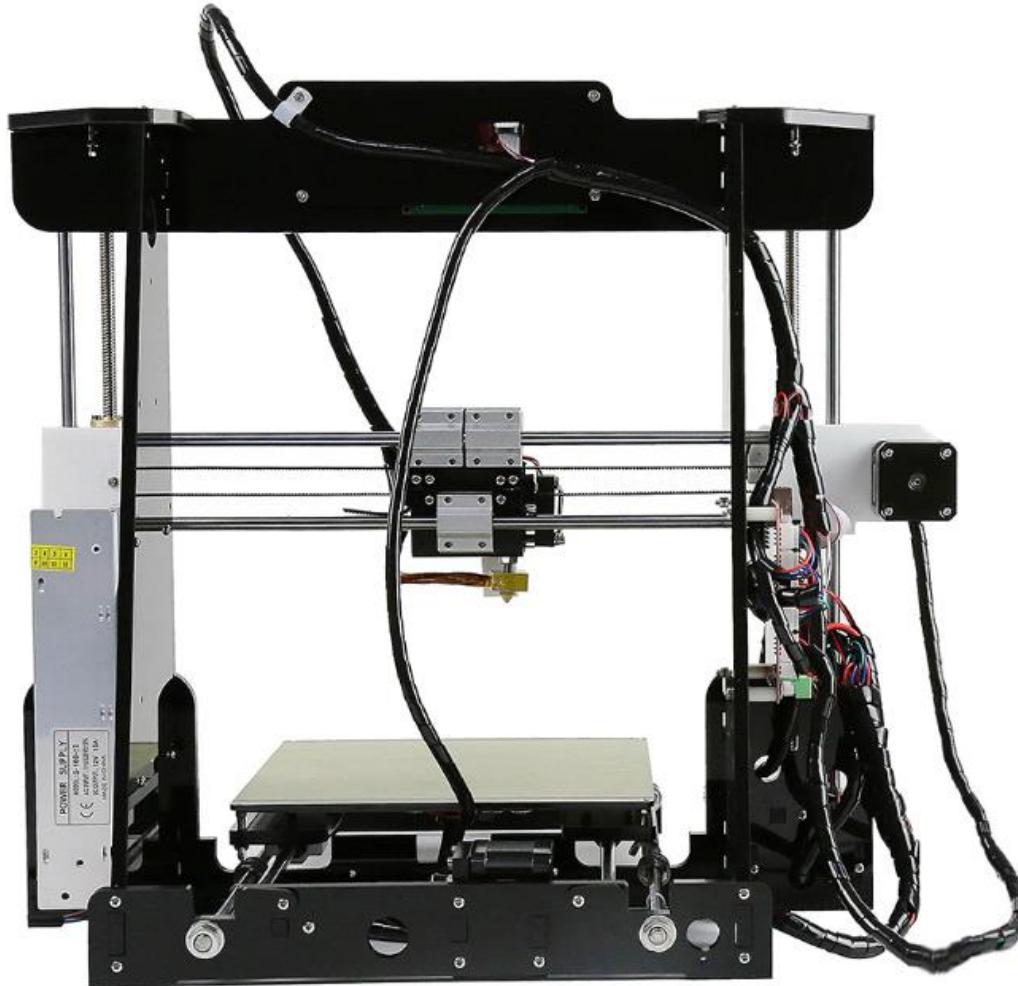
# Assembly Step 27 Installation Picture 3



# Assembly Step 27 Installation Picture 4



# Assembly Step 27 Installation Picture 5



# 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.**