

A6 3D Printer Installation Instruction



Introduction

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.

1. When machine is working, placing inflammable and explosive goods besides the machine is forbidden.
2. The machine is moving parts, the customer needs to check the key parts of the machine every 15 days after using, such as the heating tube and other screws, if they are loose now, please reinforce them.

Safety instructions



当心高温表面

1. Please pay attention to the hot bed of the printer during the using process, and extruder head, including some other key components during the working process so as to avoid scalding



当心触电

2 The printer has 220VAC/110AC and other high voltage power connector. Please be careful to avoid electric shock !



当心火灾
WARNING FIRE

3. Key device of the printer (such as hot bed, extruder head) is large, please ensure in the process of installation, the terminal connection is firm, to avoid sparks of fire caused by loose wires. In order to ensure safety, please avoid nobody on duty during printer working !







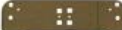





















当心机械伤人
Warning, mechanical injury











4. The printer belongs to mechanical equipment. Please avoid the moving parts in the process of the machine working , so as to avoid the mechanical injury !















Tool List









Anet 3D Printer A6 assembly parts list

Item	Material number	Picture	Name	QTY	Item	Material number	Picture	Name	QTY
1-1	1300100050		Main support plate	1	2-1	1700200016		Mainboard	1
1-2	1300100064		Side support plate	2	2-2	1700200017		12864 LCD Screen	1
1-3	1300100045		Back plate	1	2-3	1700100001		Hot bed fixed aluminum plate	1
1-4	1300100049		Front plate	1	2-4	1700200001		220mm*220mm*3mm Hot bed	1
1-5	1300100046		Filament support plate	2	2-5	1101900001		Plastic nippers	1
1-6	1300100047		Filament support plate connecting plate	1	2-6	1101900008		5mm*160mm Screwdriver	1

Item	Material number	Picture	Name	QTY	Item	Material number	Picture	Name	QTY
1-7	1300100057		Mainboard baffle	1	2-7	1700200020		Three parts below in this bag	1
2-23	1700100017		Guide rod 422mm 2pcs Guide rod 380mm 2pcs Guide rod 340mm 2pcs	6	2-7-1	1202100006		Wire 65CM	1
2-24	1700100018		T type lead screw M8*318mm 2pcs Threaded rod M8*400mm 2pcs Threaded rod M8*150mm 1pcs	5	2-7-2	1700200013 1700200014 1700200019		Z axis Limit switch A 20CM Y axis Limit switch B 50CM X axis Limit switch C 90CM	3
2-25	1700100019		Screw bag include below screws		2-7-3	1300400003 1300400004		Pillar washer M3*7 4pcs Pillar washer M3*15 4pcs	8
2-25-1	1700100020		M3*18 Spacer 42pcs		2-8	1700100013		Three parts below in this bag	1
2-25-2	1700100021		M3 Nut 52pcs	1	2-8-1	1101900010		3mm*130mm Screwdriver	1
2-25-3	1700100022		M8 Nut 14pcs M8 Spacer 12pcs	1	2-8-2	1101900004 1101900006 1101900005 1101900007		Hex wrench M1.5 Hex wrench M2 Hex wrench M2.5 Hex wrench M3	4

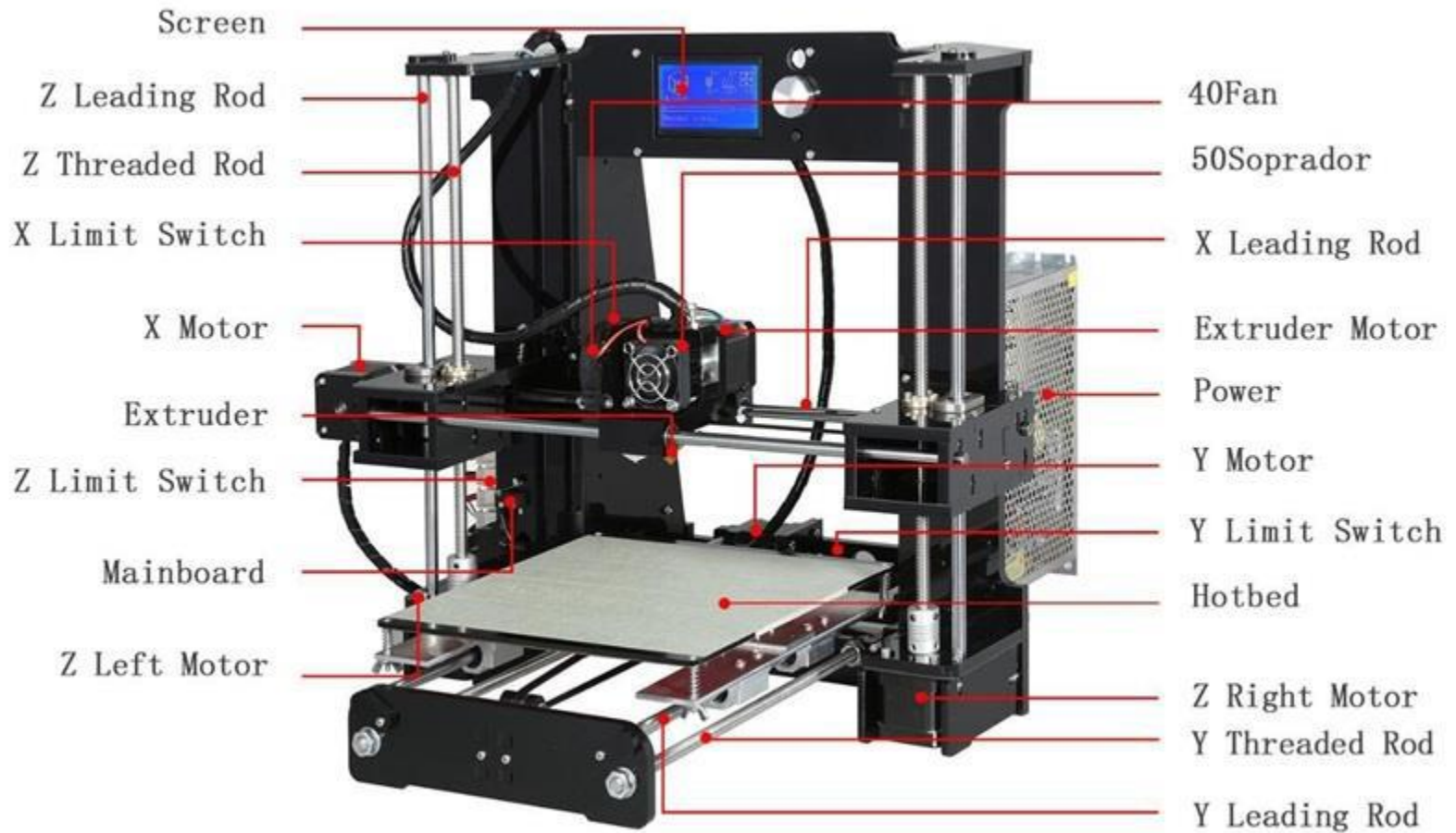
Item	Material number	Picture	Name	QTY	Item	Material number	Picture	Name	QTY
2-25-4	1700100023		M4*8 screw 16pcs M4*14 screw 4pcs	1	2-8-3	1101900002		Open spanner	1
2-25-5	1700100024		M3*30 screw 12pcs	1	2-9	1700200005		5015 Air blower	1
2-25-6	1700100025		M3*12 screw 19pcs	1	2-10	1700200027		Power line of hot bed	1
2-25-7	1700100026		M2*12 screw 6pcs M3wing nut 4pcs Spring 4pcs	1	2-11	1700300009		Five parts below in this bag	1
2-25-8	1700100027		M3*6 screw 2pcs M3*10 screw 2pcs M3*25 screw 2pcs	1	2-11-1	1300100005		Y axis belt fixation clamp	4
3-1	1700300007		Left Z axis nut support	1	2-11-2	1300100010		Guide rod back up plate	8
3-2	1700300008		Right Z axis nut support	1	2-11-3	1300100007		Y axis Limit switch fixed plate	1

Item	Material number	Picture	Name	QTY	Item	Material number	Picture	Name	QTY
3-3	1700100028		Extruder	1	2-11-4	1300100042		Y axis motor support	1
3-4	1700200008		X axis motor	1	2-11-5	1300100040		X axis Limit switch fixed plate	1
3-5	1700200009		Y axis motor	1	2-12	1300100044		Z axis motor support Plate	4
3-6	1700200010		Z axis motor	2	2-13	1300100048		Screen baffle plate	1
3-7	1700300001		1.7M Belt	1	2-14	1300100039		5015 Air blower fixed plate	1
3-8	1202200007		1.5M wire	1	2-15	1300100063		Z axis motor fixed plate	2
3-9	1300500005		Four parts below in this bag	1	2-16	1300100065 1300100056		Support plate lock plate	2

Item	Material number	Picture	Name	QTY	Item	Material number	Picture	Name	QTY
3-9-1	1300500001		4.5M Winding pipe	1	2-17	1300100041		Y axis motor fixed plate	1
3-9-2	1300900001		Belting	10	2-18	1700300010		Y axis belt bearing support	1
3-9-3	1300400006		R clip	3	2-19	1300300002		Wind mouth	1
3-9-4	1300400005		Locating piece	2	2-20			1.5M Power line	1
3-10	1300200011		linear slider	4	2-22	1700200018		16GB TF card and card reader	1
3-11	1200100002		Power Supply	1	2-23	1202100031		X Motor line 40CM Y Motor line 40CM Left Z Motor line 40CM Right Z Motor line 90CM Extruder Motor line 90CM	5

Please check printer parts quantity when you receive it .

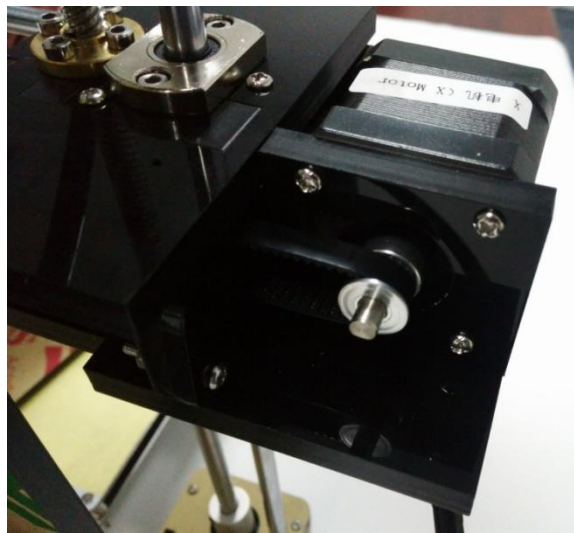
Components Name



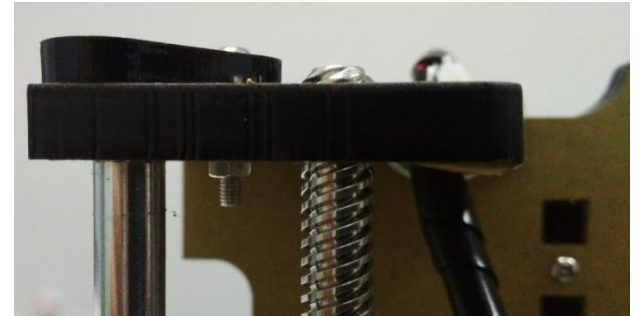
Acrylic Installation



Acrylic Connection

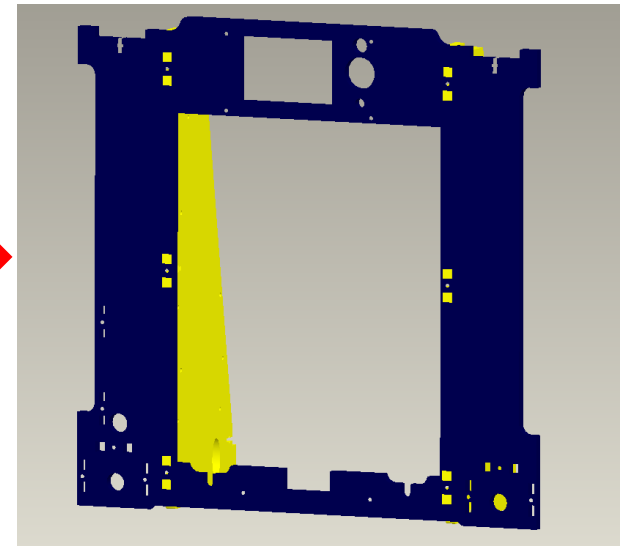
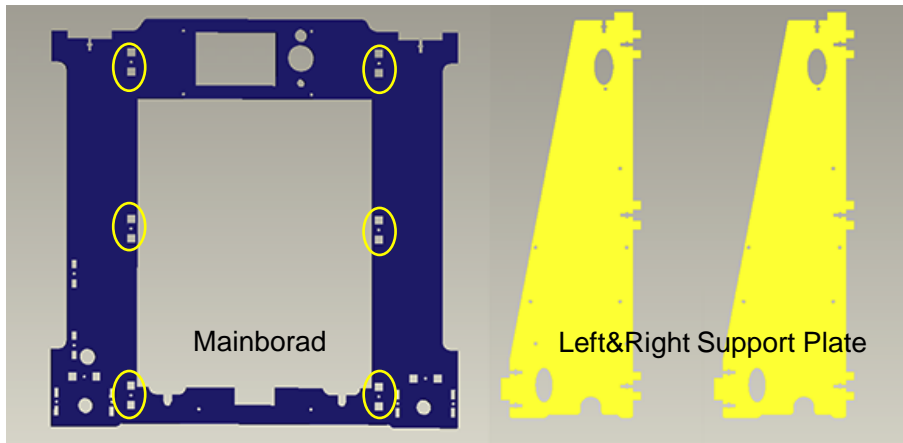


Acrylic & Motor Connection



Acrylic Connection

Name	QTY	Note
Main Support Plate	1	
Left&Right Support Plate	2	
M3*18mm Screw	6	○
M3 Nut	6	

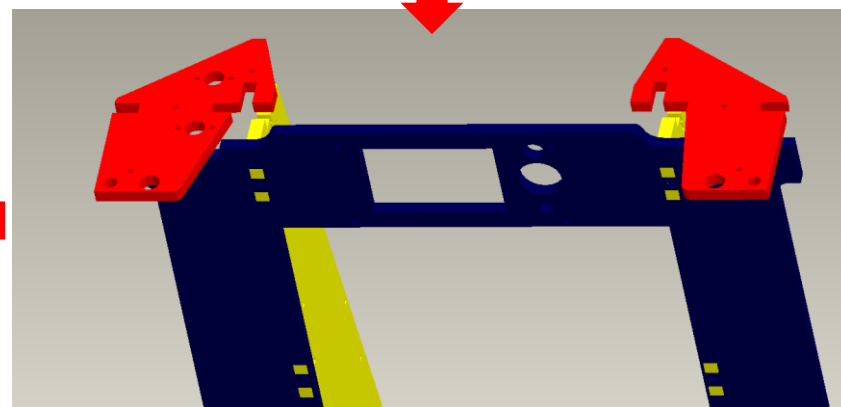
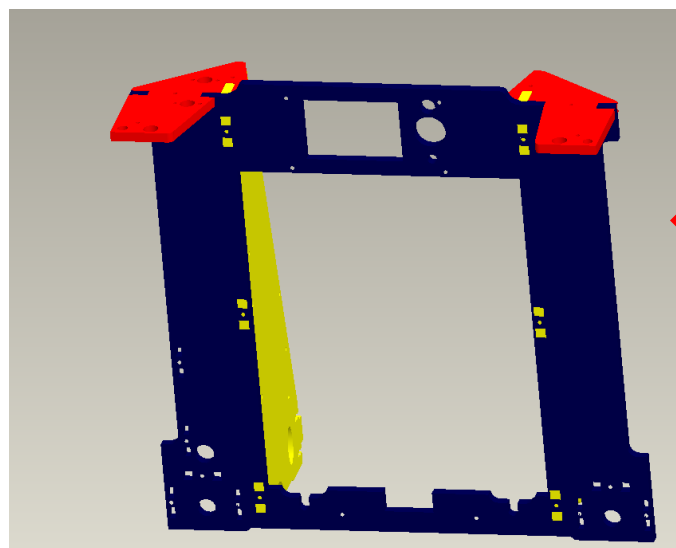
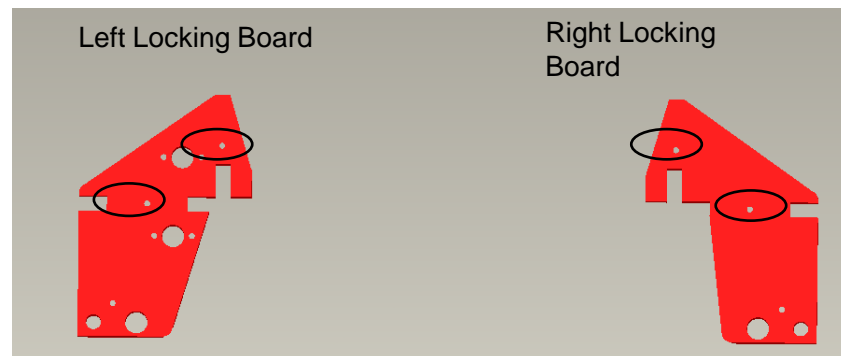


Please pay attention to the direction of main support plate

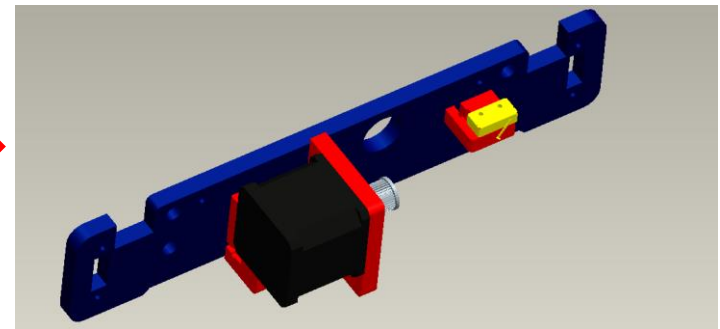
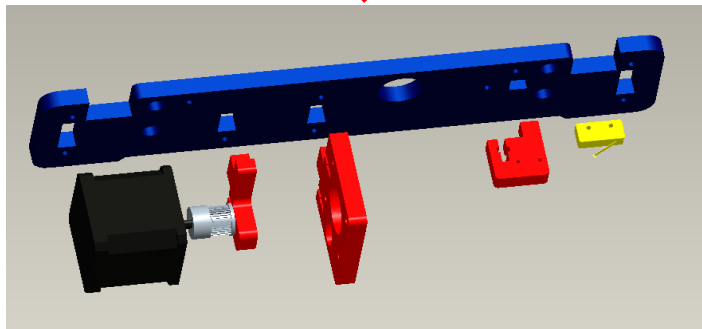
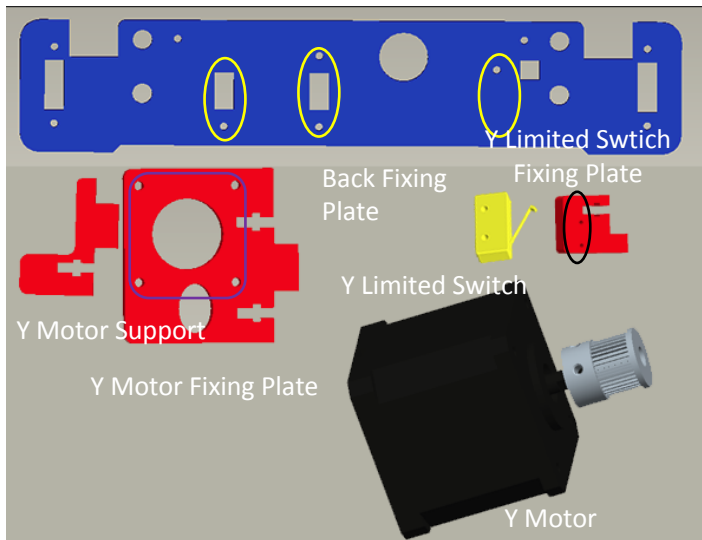
Left&Right Locking Board Installation

02

Name	QTY	Note
Left Locking Board	1	
Right Locking Board	1	
M3*18 Screw	4	
M3 Nut	4	



Please pay attention to the direction of Left&Right board



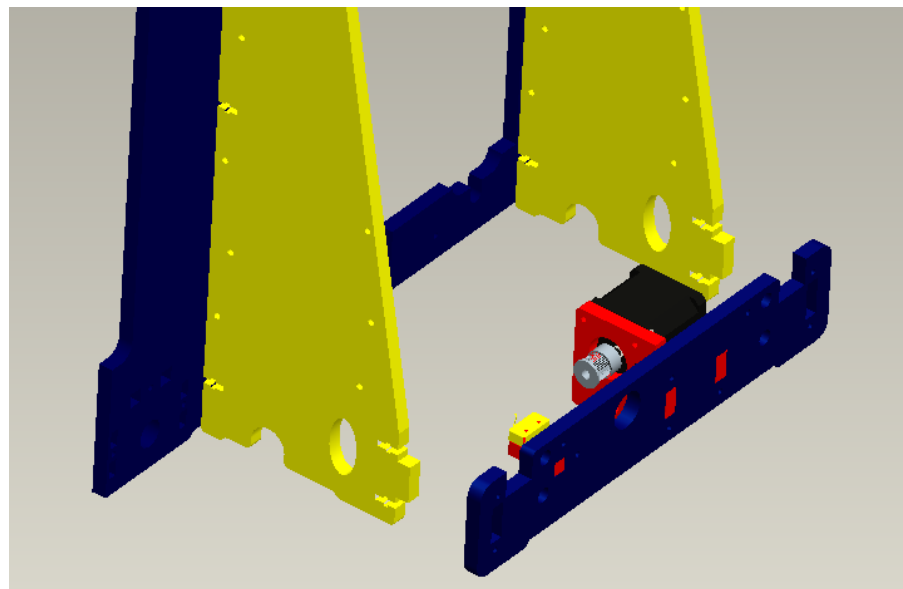
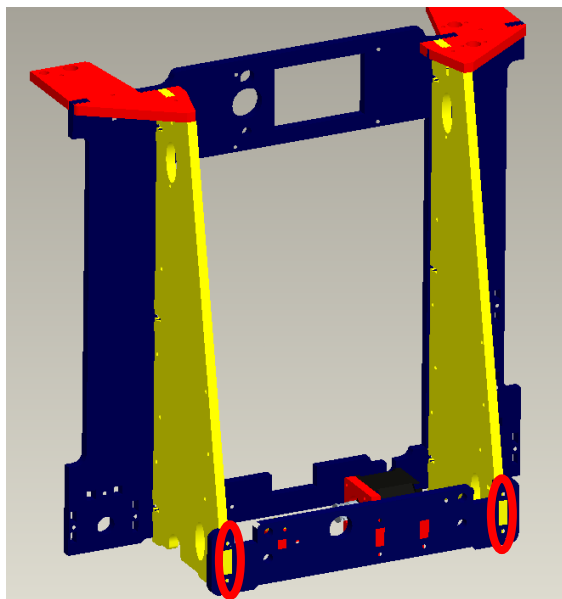
Name	QTY	Note	Name	QTY	Note
Back Fixing Plate	1		Y Limited Switch	1	○
Y Motor Fixing Plate	1		M2 Screw	2	○
Y Motor Support	1		M3*18 Screw	4	□
Y Limited Switch Fixing Plate	1		M3 Nut	4	
Y Motor	1		M3*12 Screw	4	

Please pay attention to the direction of motor and Fixing plate

Back Fixing Plate Installation

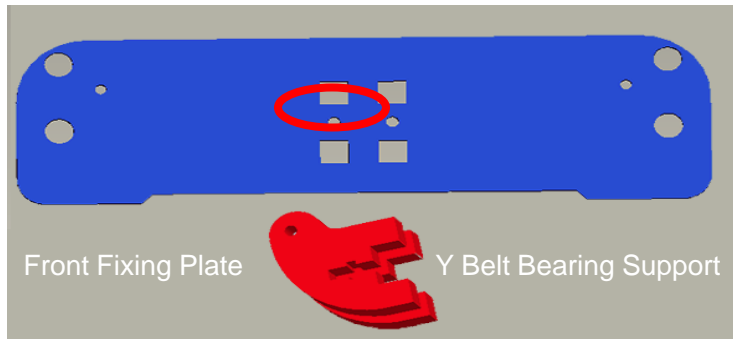
04

Name	QTY	Note
M3*18 Screw	4	0
M3 Nut	4	

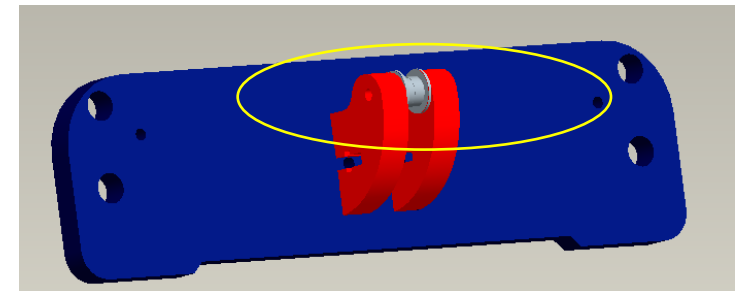
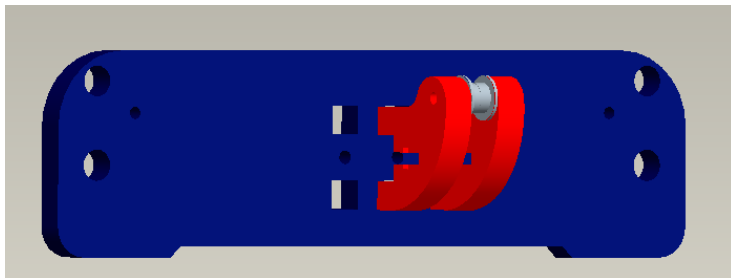


05

Front Fixing Plate Installation



Name	QTY	Note
Front Fixing Plate	1	
Y Belt Bearing Support	1	
M3*18 Screw	2	
M3Nut	2	

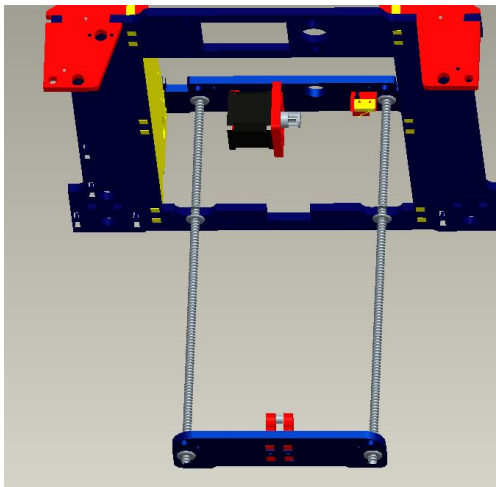
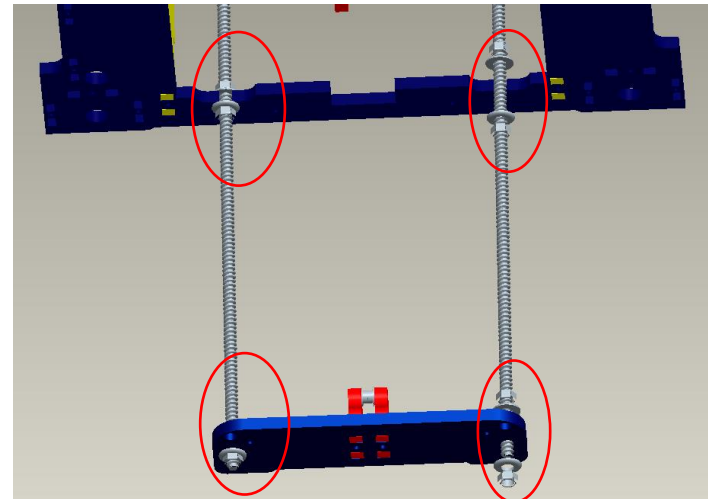
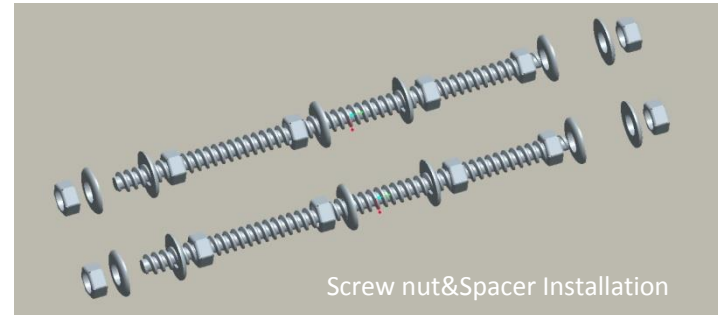


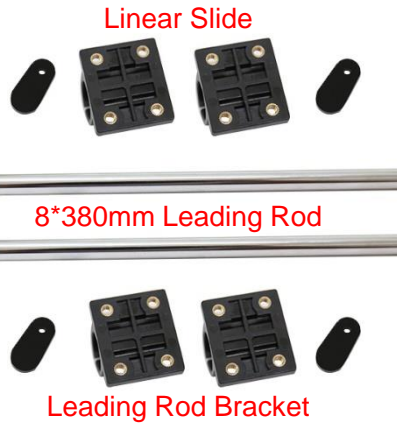
Attention: The belt bearing up

Front Fixing Plate Installation

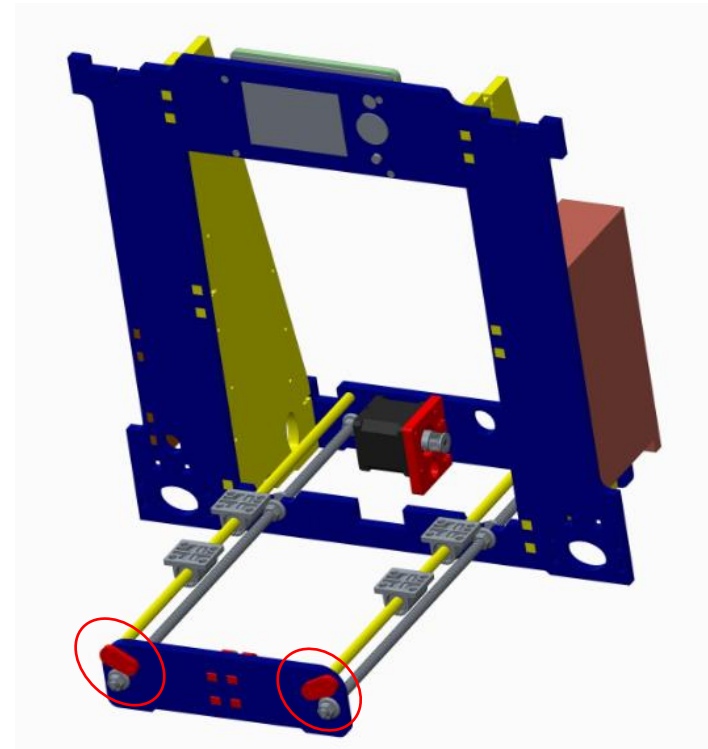
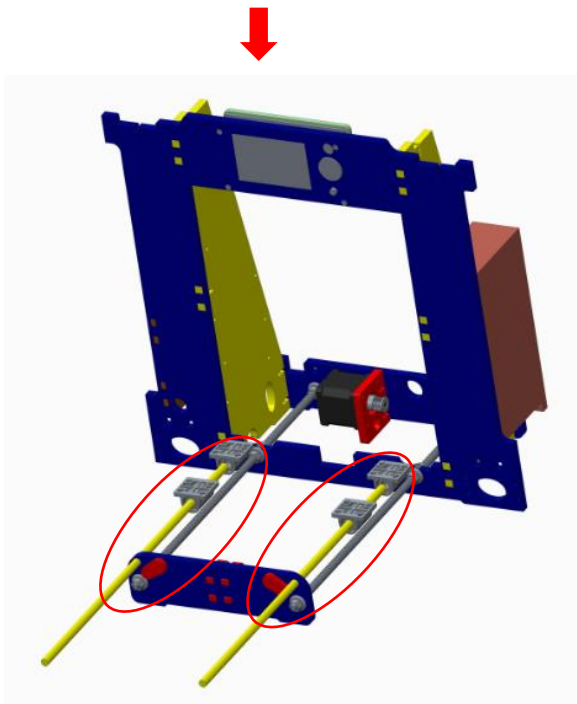
06

Name	QTY	Note
M8*400 Threaded Rod	2	
M8 Nut	12	
M8 Spacer	12	





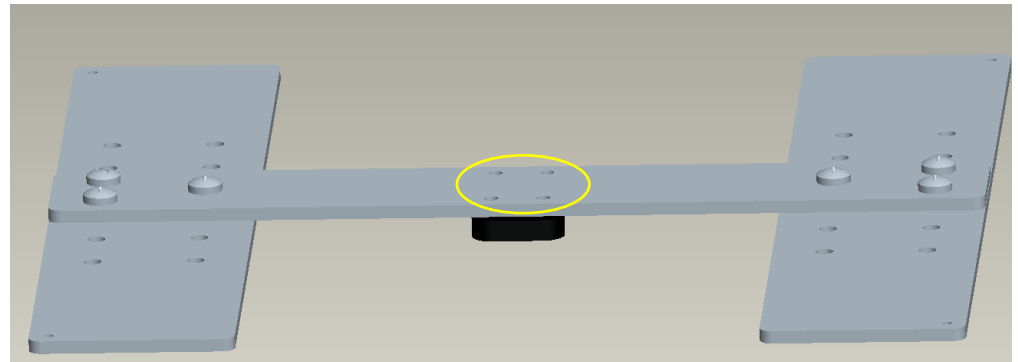
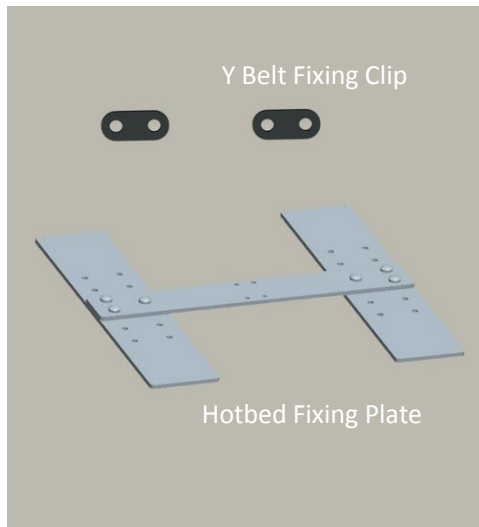
Name	QTY	Note
8*380mm Leading Rod	2	
Linear Slide	4	
Leading Rod Bracket	4	
M3*18 Screw	4	0
M3 Nut	4	



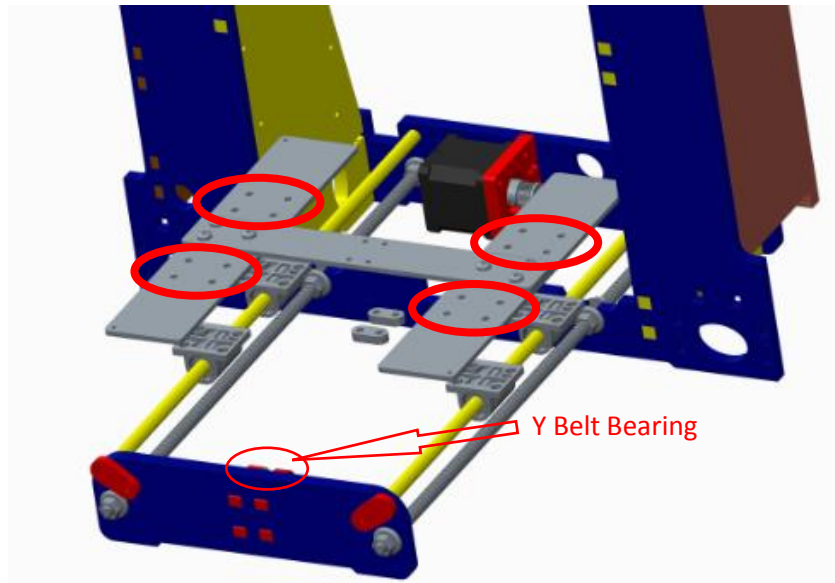
Hotbed Fixing Plate Installation

08

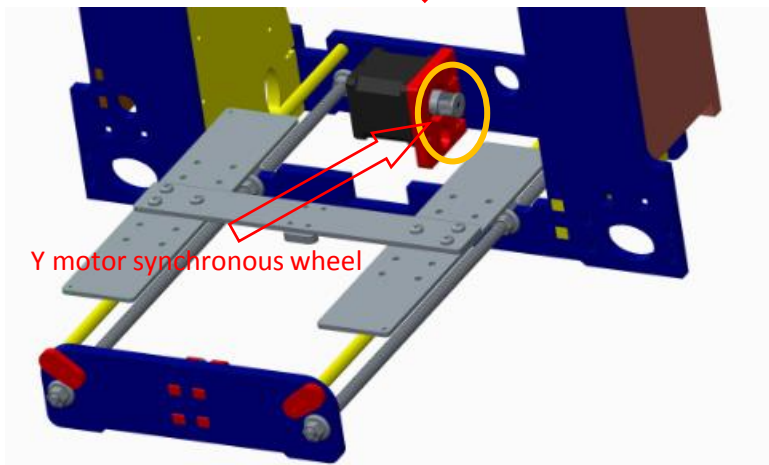
Name	QTY	Note
Y Belt Fixing Clip	2	
Hotbed Fixing Plate	1	
M4*14 Screw	4	



Attention: Leave some gap for screw for belt installation

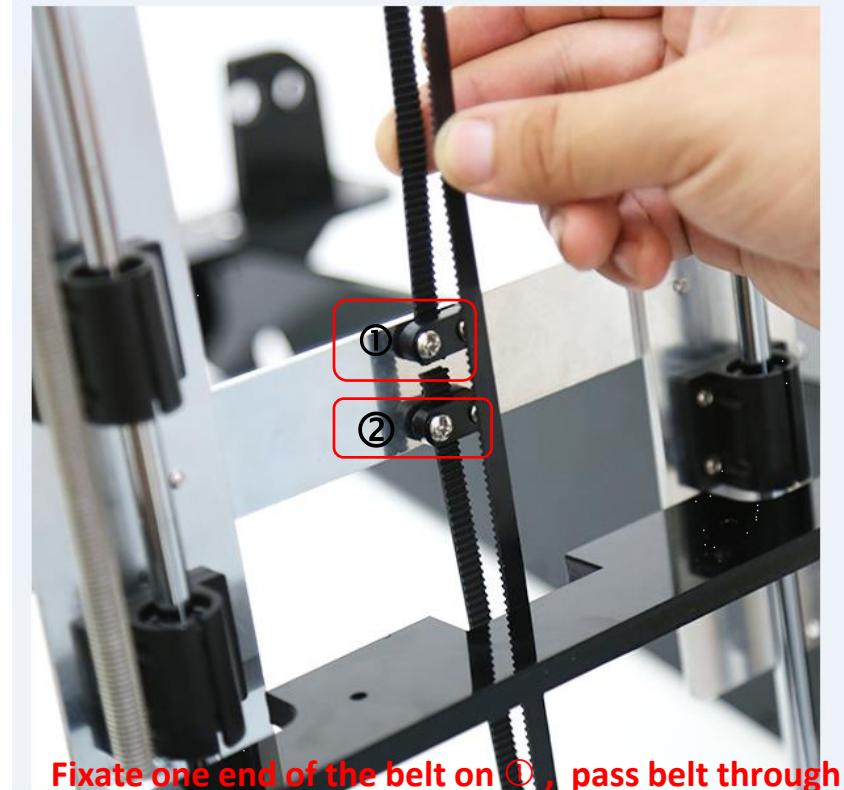


Y Belt Bearing



Y motor synchronous wheel

Name	QTY	Note
M4*8 Screw	16	

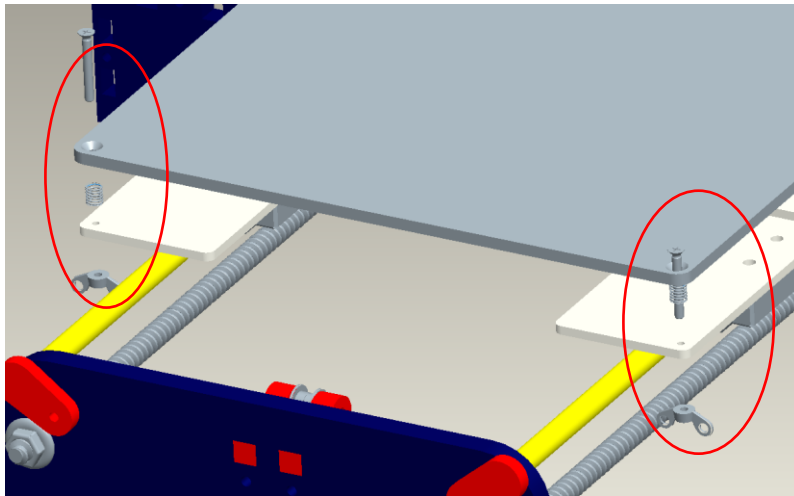


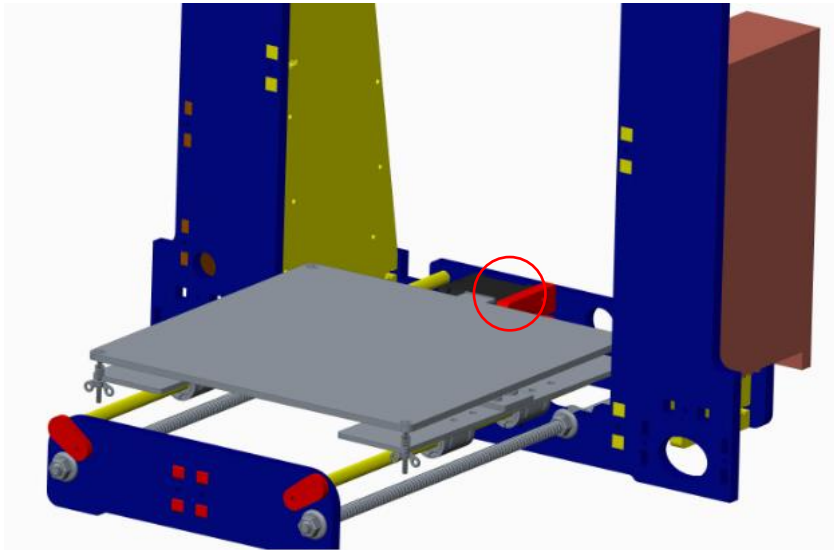
Fixate one end of the belt on ①, pass belt through Y motor syn chronous wheel, through Y belt bearing and fixate on ② (Meanwhile tension belt)

Hotbed Installation

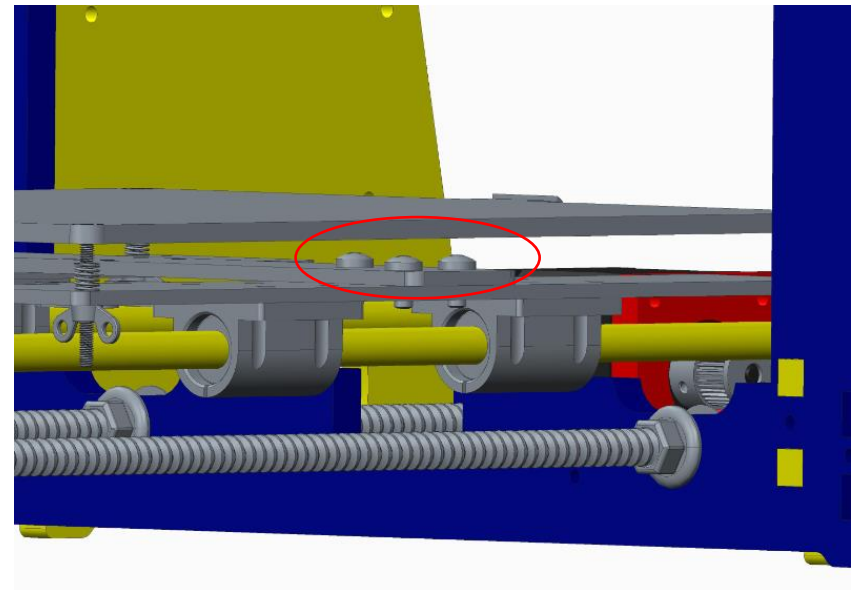
10

Name	QTY	Note
220mm*220mm*3mm Aluminum Hotbed	1	
M3*30 Screw	4	
Butterfly Nut	4	
Spring	4	

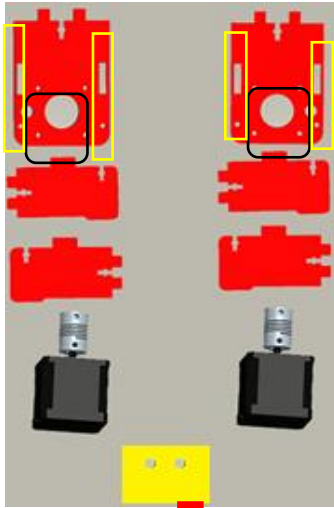




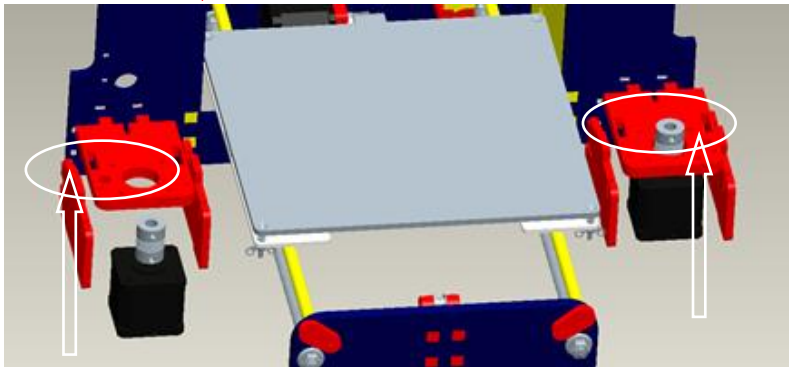
The connection head should go towards Y motor direction



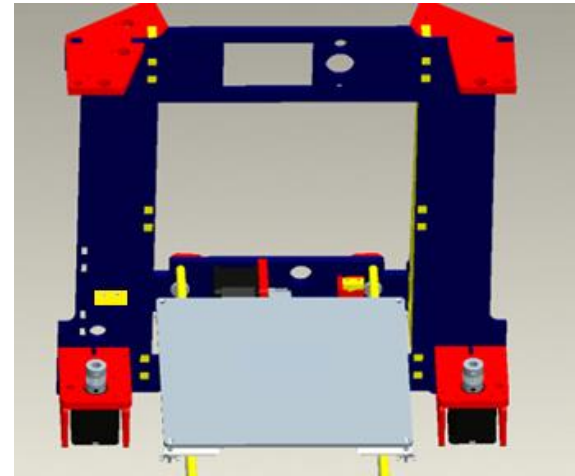
The gap between hotbed&hotbed fixing plate screw is about 5mm



Name	QTY	Note	Name	QTY	Note
Left&Right Z Motor Fixing Plate	2		M3*18 Screw	14	
Z Motor Support	4		M3 Nut	10	
Z Motor	2		M3*12 Screw	8	
Z Y Limited Switch	2		M2*12 Screw	2	

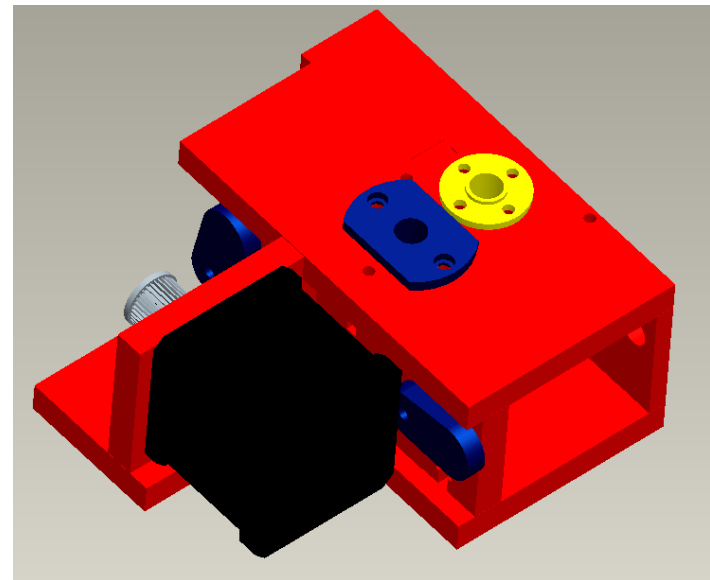
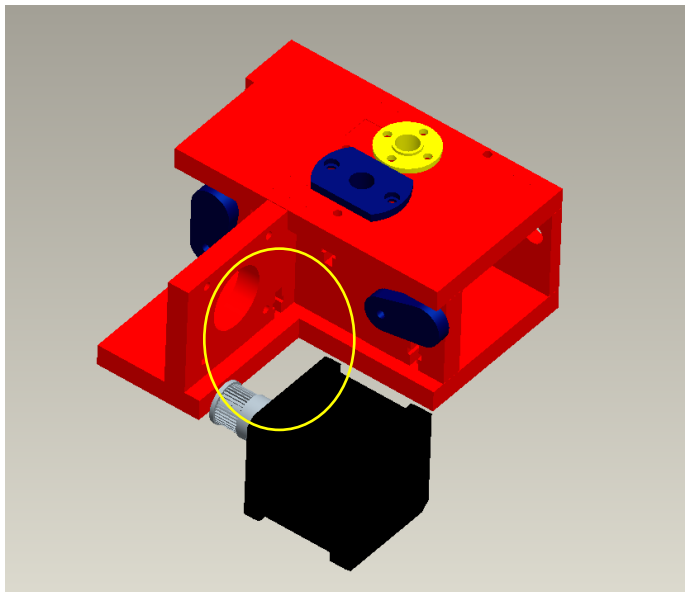


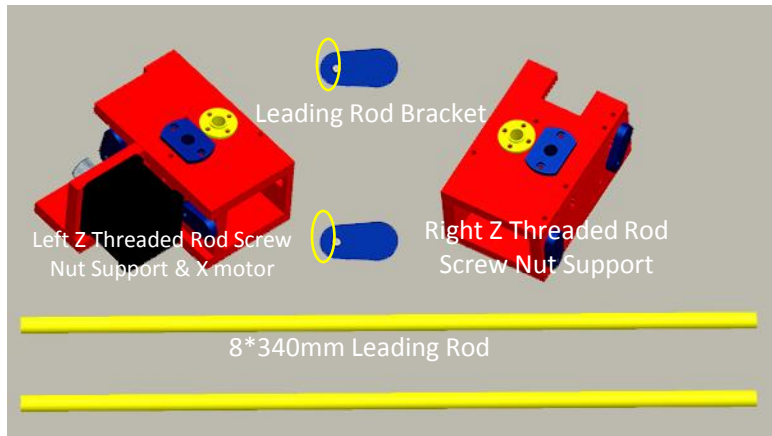
The Small hole should face outward



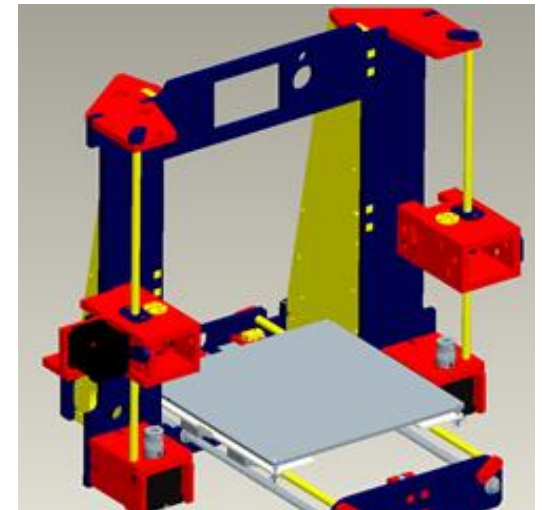
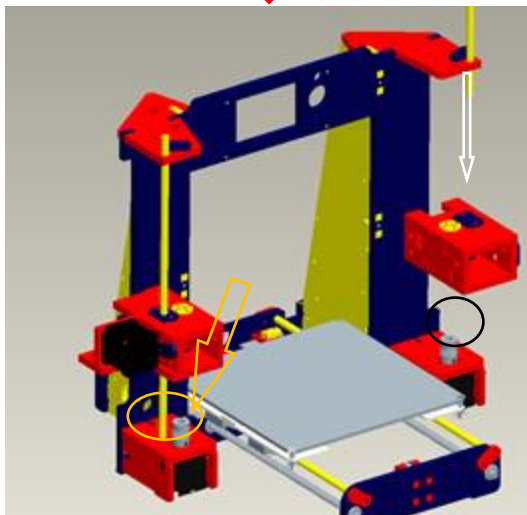
Left Z Threaded Rod Screw Nut Support Installation 12

Name	QTY	Note
Left Z Threaded Rod Screw Nut Support	1	
X Motor	1	
M3*12 Screw	4	





Name	QTY	Note
Left Z Threaded Rod Screw Nut Support & X motor	1	
Right Z Threaded Rod Screw Nut Support	1	
8*340mm Leading Rod	2	
Leading Rod Bracket	2	
M3*18 Screw	2	
M3 Nut	2	



Guide rod placement method

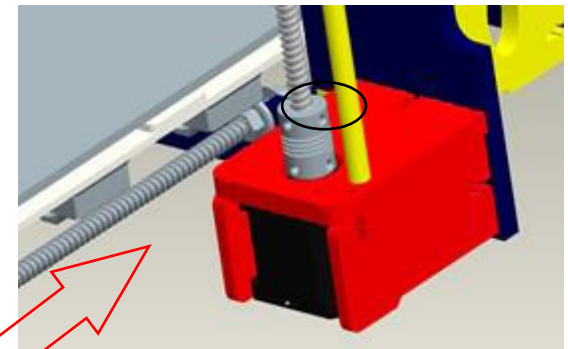
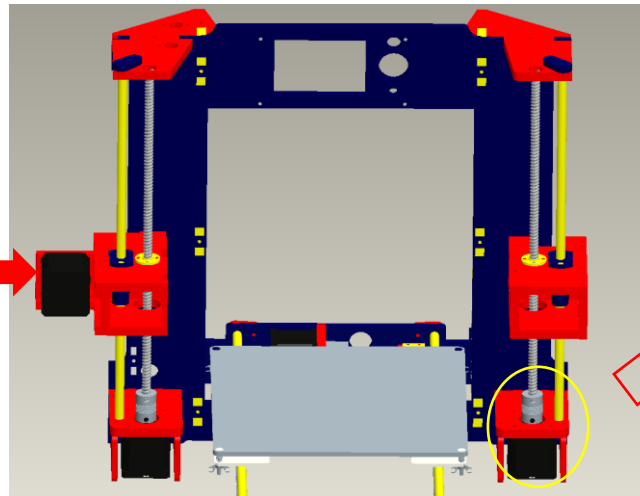
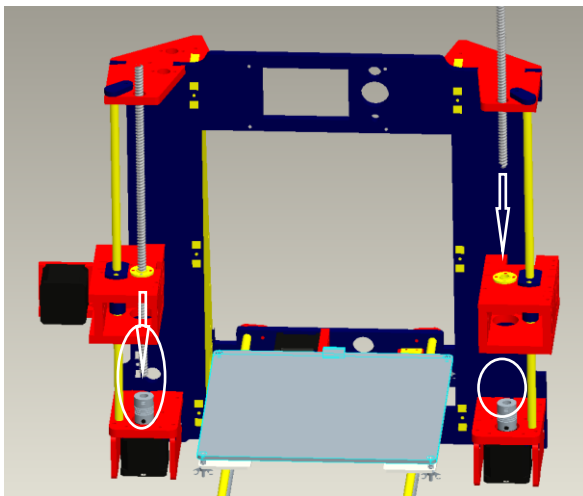
T Threaded Rod Installation

14

Name	QTY	Note
Threaded Rod M8*318mm	2	

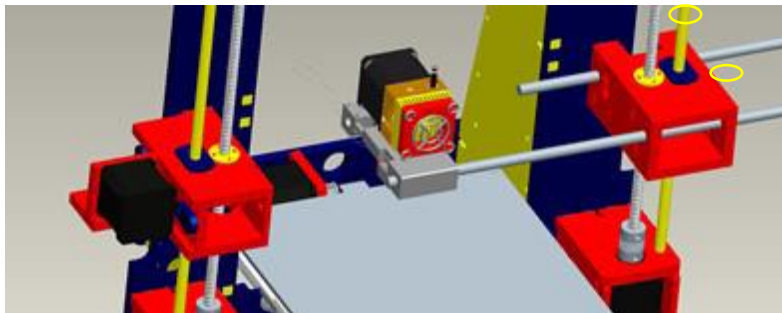
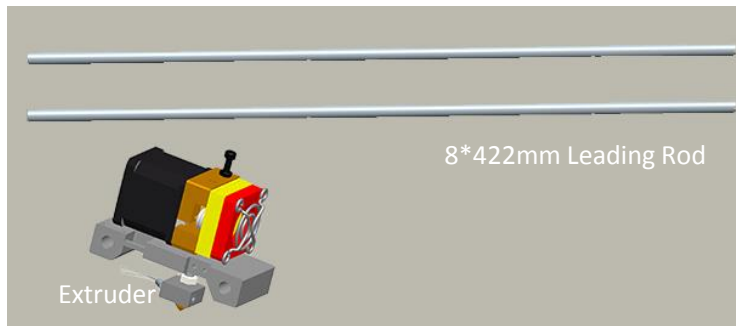


Threaded Rod M8*318mm

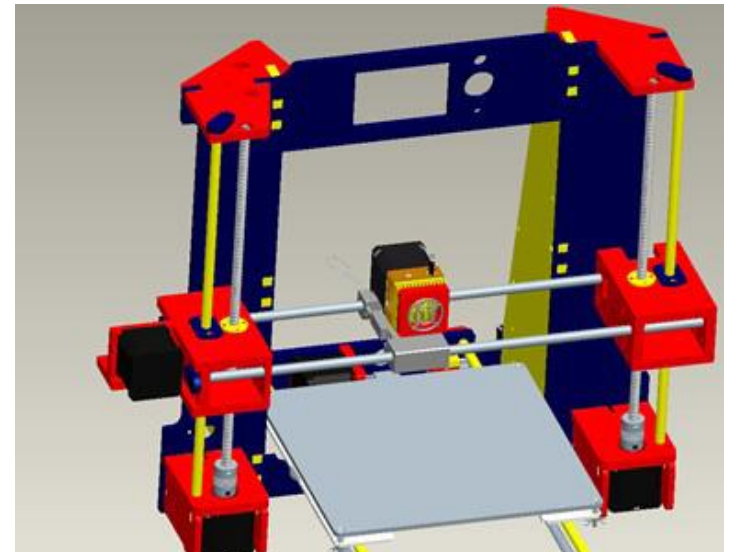


Loose set screw , install threaded rod
and then tighten it .

Threaded Rod Installation





Loose M3 screw to install leading rod

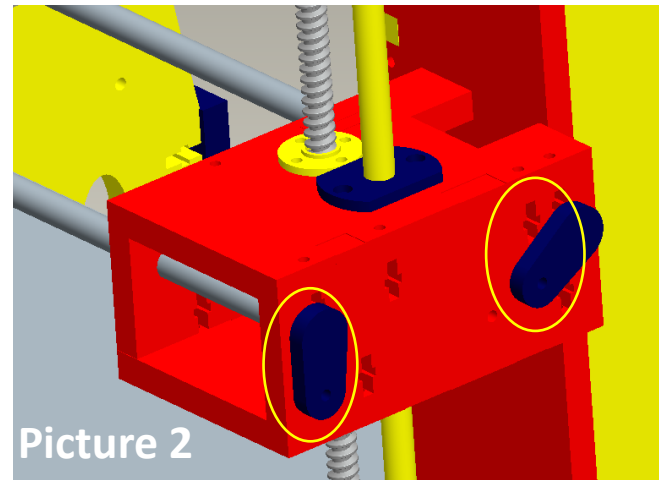
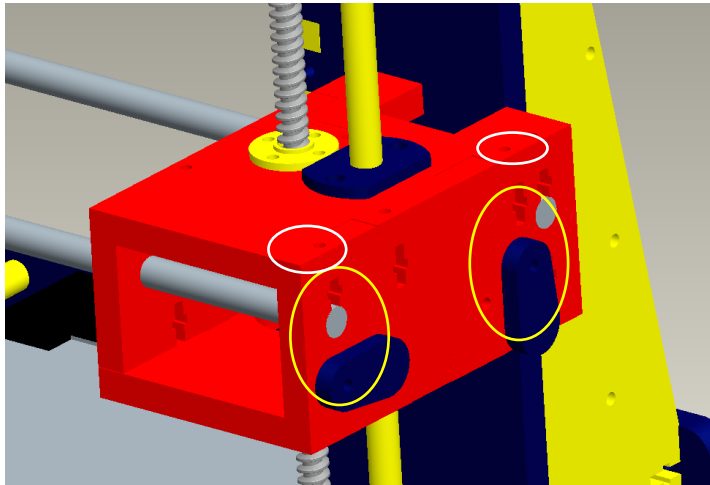


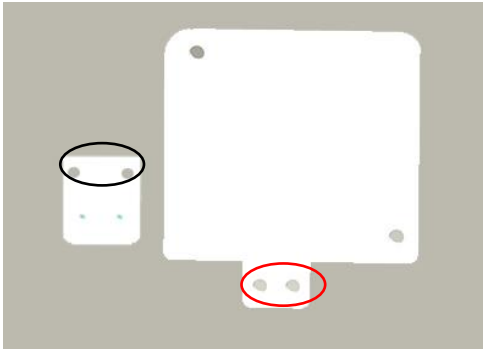
Name	QTY	Note
8*422mm Leading Rod	2	
Extruder	1	

X Leading Rod Bracket Installation

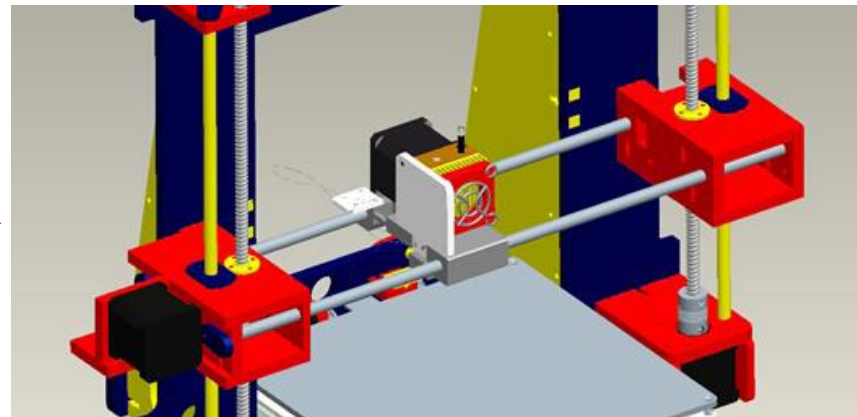
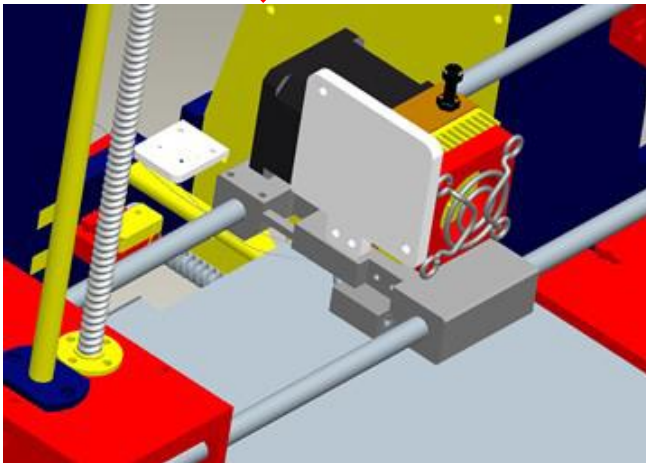
16

Position	Note
	Tighten the screw in white circle
	Pay attention to the bracket , fixate bracket when it turns to picture 2




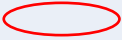


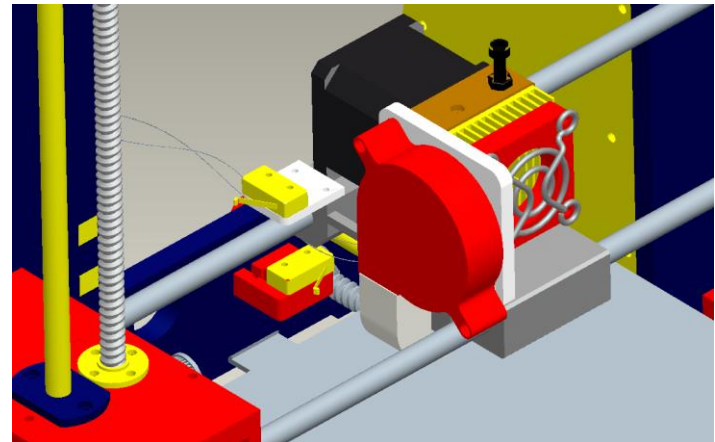
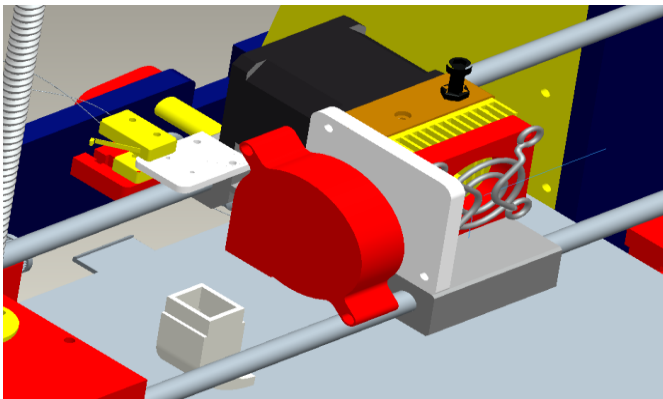
Name	QTY	Note
X Limited Switch Support	1	
Blower Support	1	
M3*10 Screw	2	
M3*6 Screw	2	

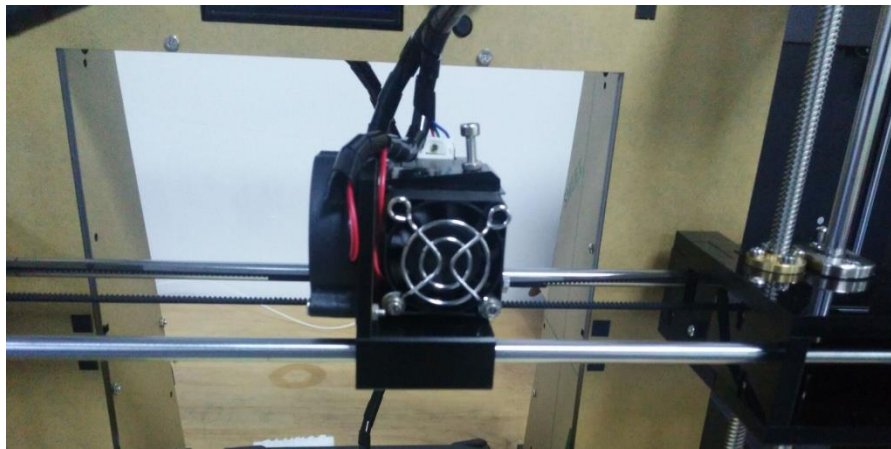
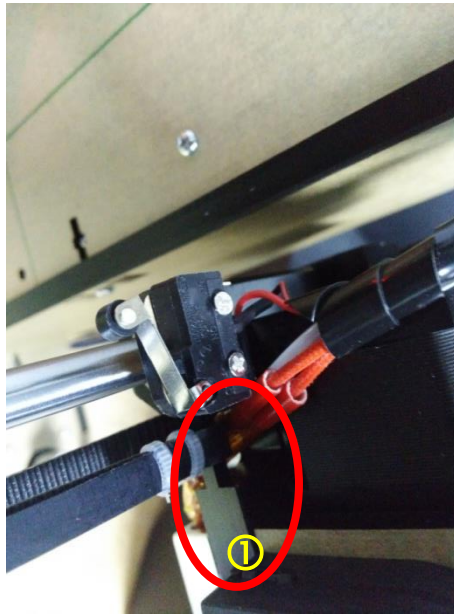


Blower & Limited Switch Installation

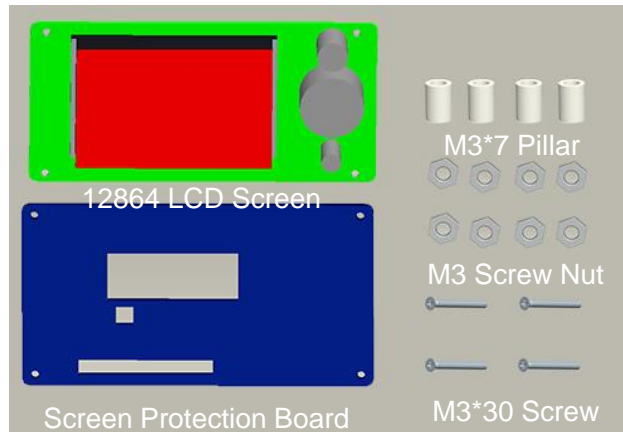
18

Name	QTY	Note
X Limited Switch	1	
Wind Mouth	1	
Blower	1	
M3*25 Screw	2	
M3 Nut	2	
M2 Self-tapping Screws	2	

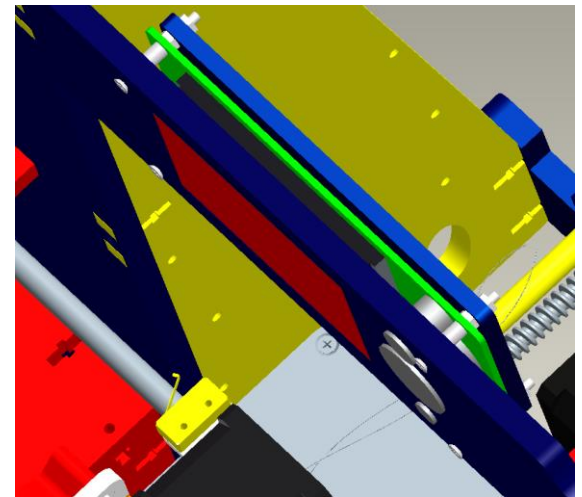
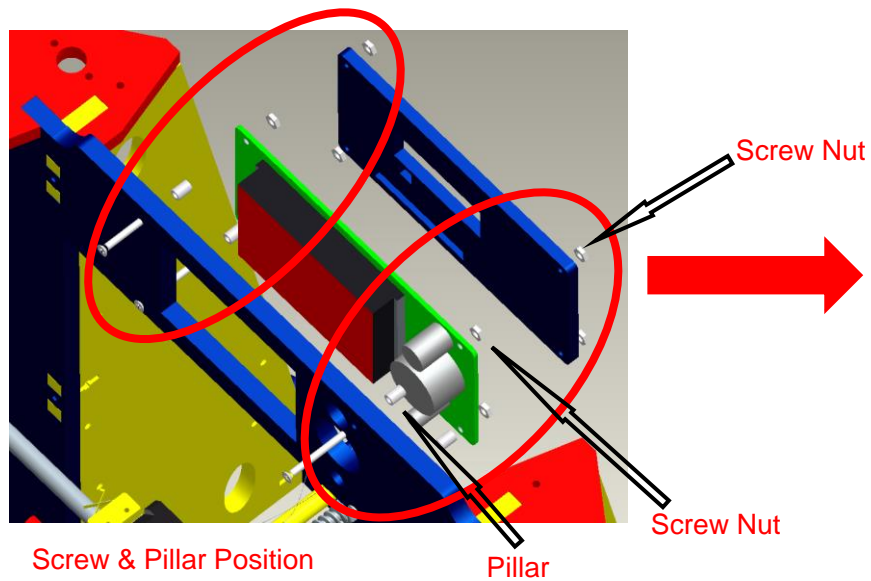




**Fixate belt in ① , Pass belt through
X motor Synchronous wheel and
belt bearing , then pass ② , tension
belt and lock**




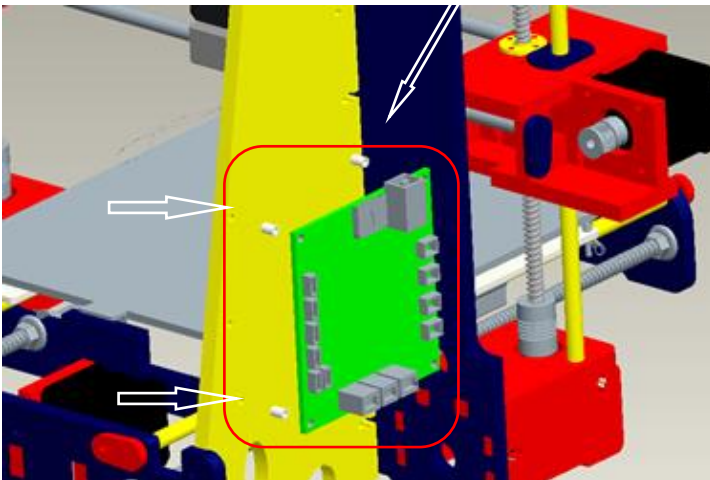
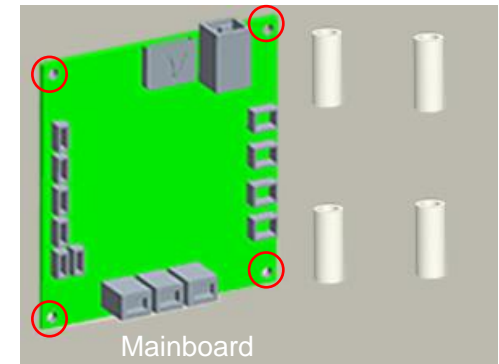
Name	QTY	Note
12864 LCD Screen	1	
Screen Protection Board	1	
M3*7 Pillar	4	0
M3*30 Screw	4	
M3 Nut	8	



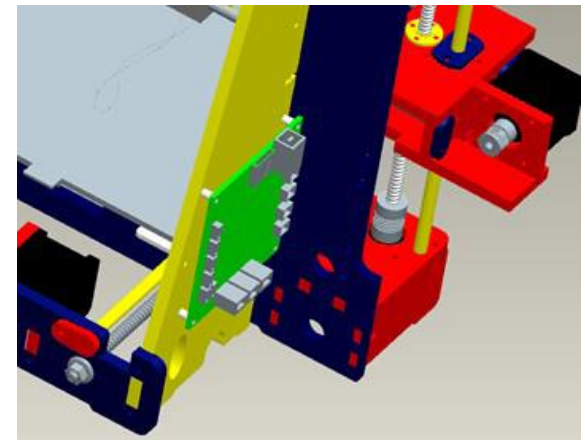
Mainboard Installation

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Name	QTY	Note
Mainboard	1	
M3*15 Pillar	4	
M3*30 Screw	4	
M3 Nut	4	

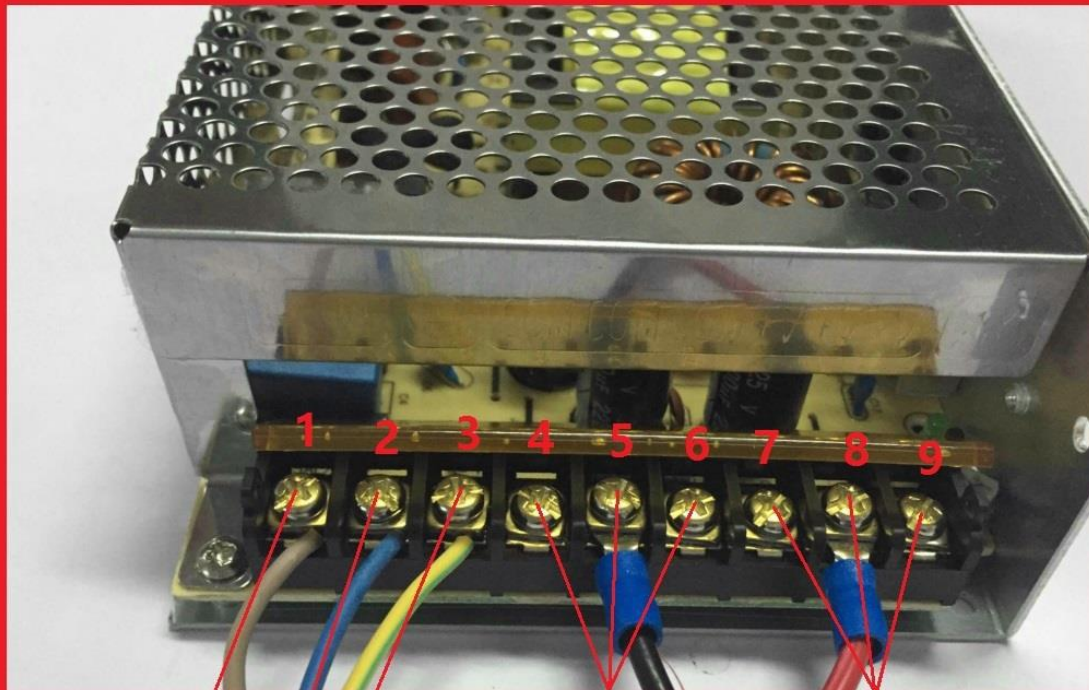


Please Install in the recommended hole

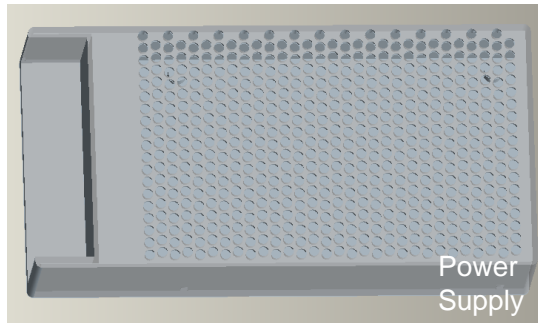



Please install mainboard aside of the left Z threaded rod support

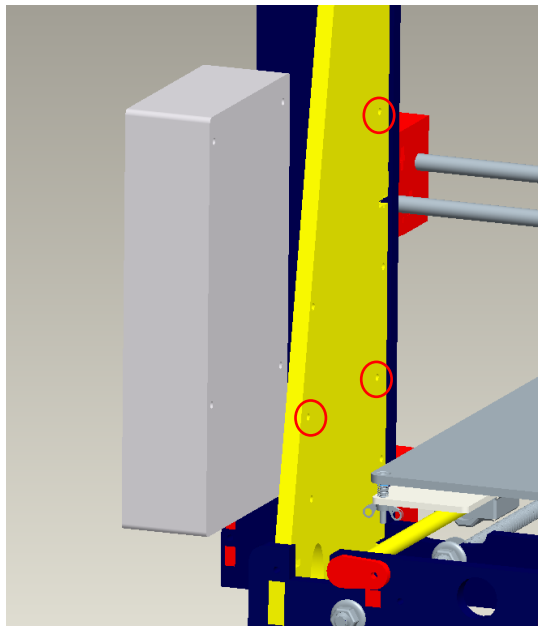
Attention This is the wiring diagram of power supply. 1, 2, 3 separately represent the line of fire (brown), Zero line (blue), ground wire (yellow). 4,5, 6 represent negative pole (black) (-); 7,8,9 represent the positive pole (red) (+). To avoid danger, please assure the installation is correct.



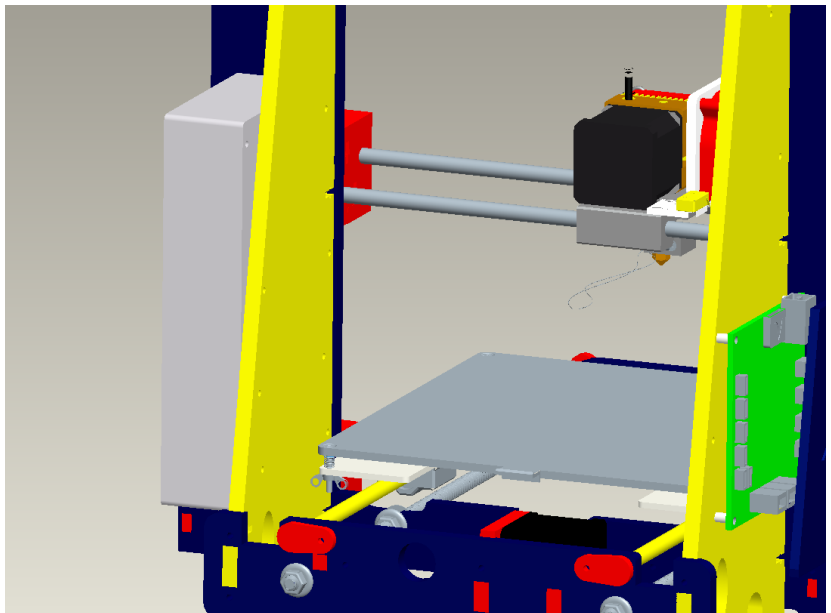
Brown	blue	yellow	black (COM)	red (+V)
1	2	3	4 5 6	7 8 9




Name	QTY	Note
Power Supply	1	
M3*12 Screw	3	

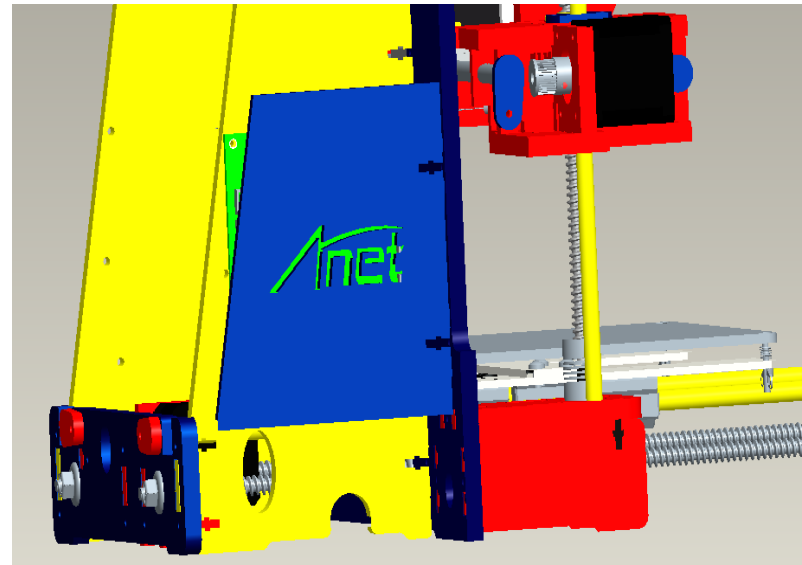
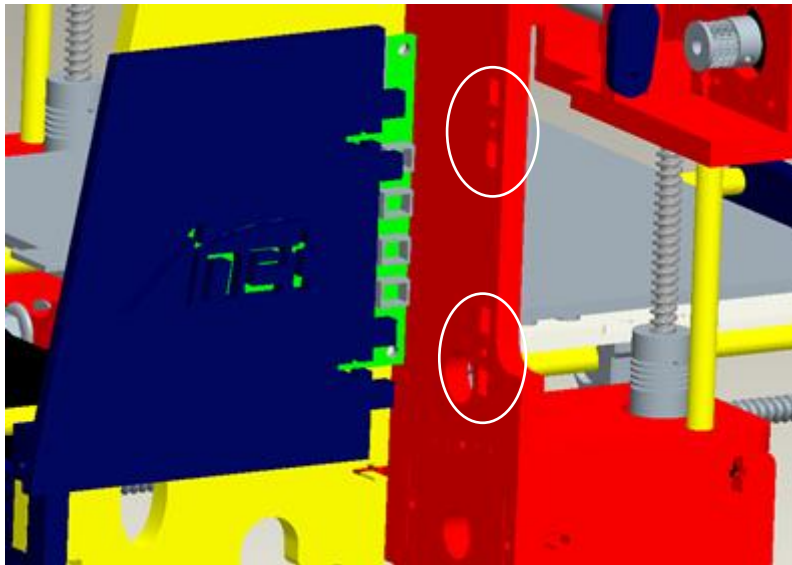


Please Install power supply in the recommended hole

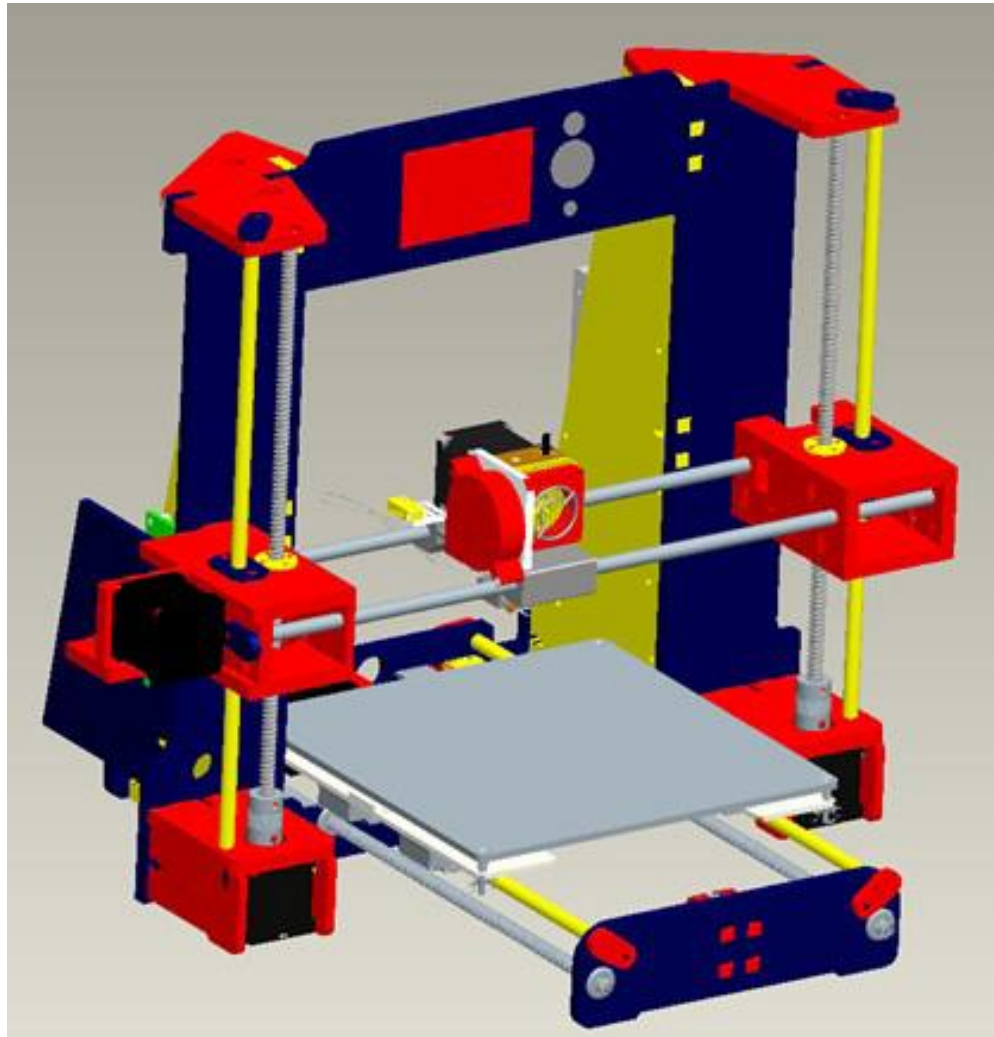


Name	QTY	Note
Mainboard Protection Board	1	
M3*18 Screw	2	
M3 Nut	2	

Please ensure you have connected all wires right before mainboard protection board installation



Finished Map

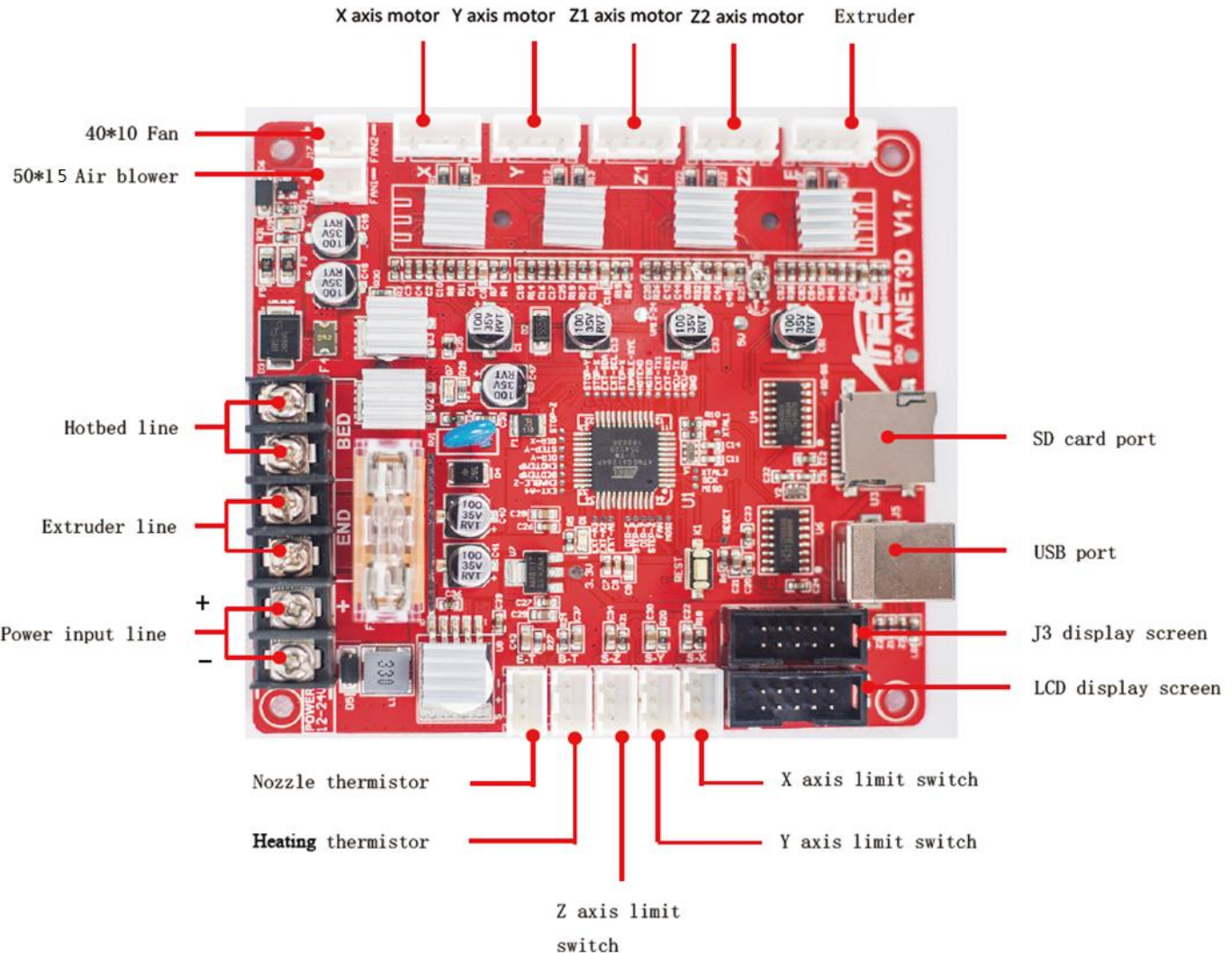


Attention: Please link components with corresponding wires , especially motor wire & limited switch wire.

Length of Each Wire of A6

NO	Component	Lenth (mm)
1	X motor line	400
2	Y motor line	400
3	1500	400
4	Right Z motor line	900
5	Extruder motor line	900
6	X limited switch line	900
7	Y limited switch line	700
8	Z limited switch line	200
9	Heating pipe line	1000
10	Heating block thermistor	1100
11	Hotbed line	900
12	Screen line	500
13	Power line	560
14	Blower line	1100
15	Fan line	1100
16	X belt	1500
17	Y belt	1500

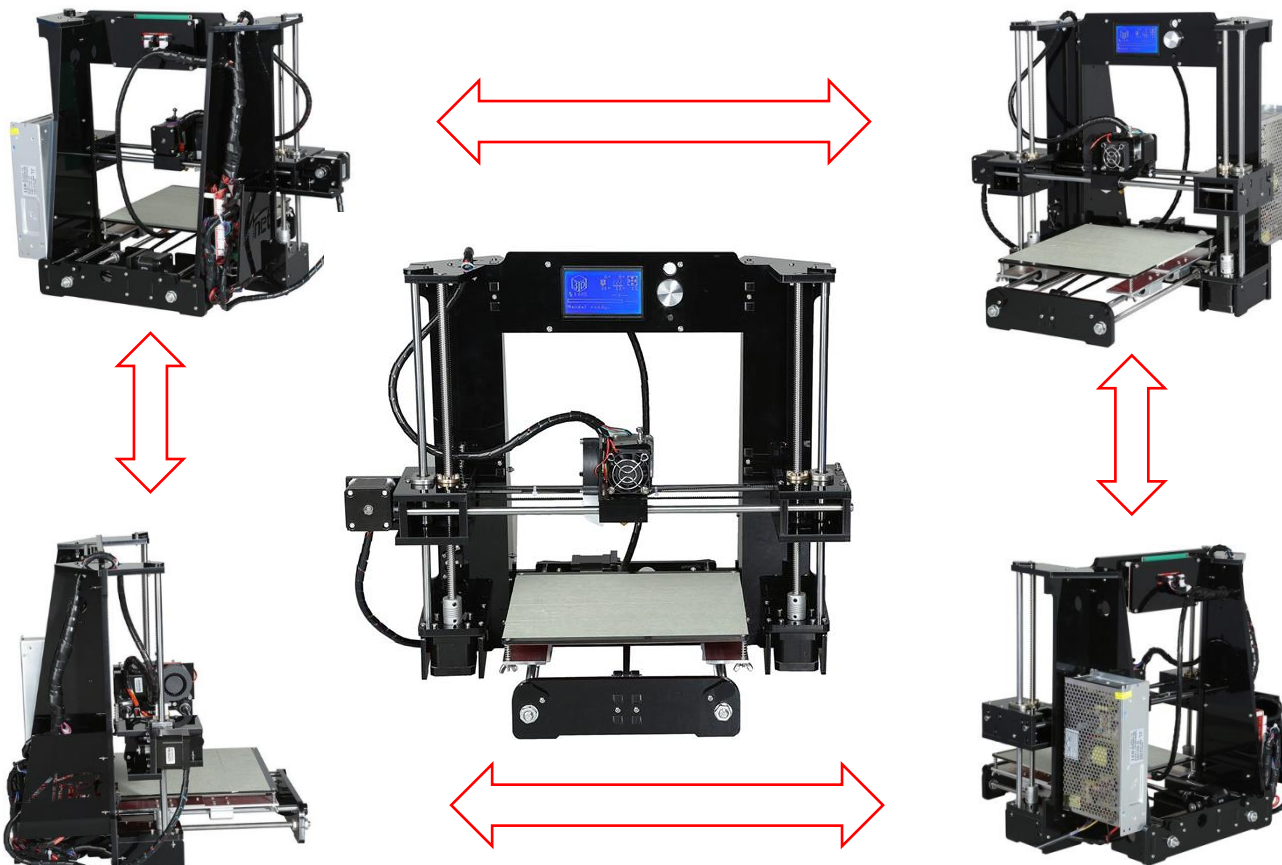
Attention: Please connect components with corresponding wires

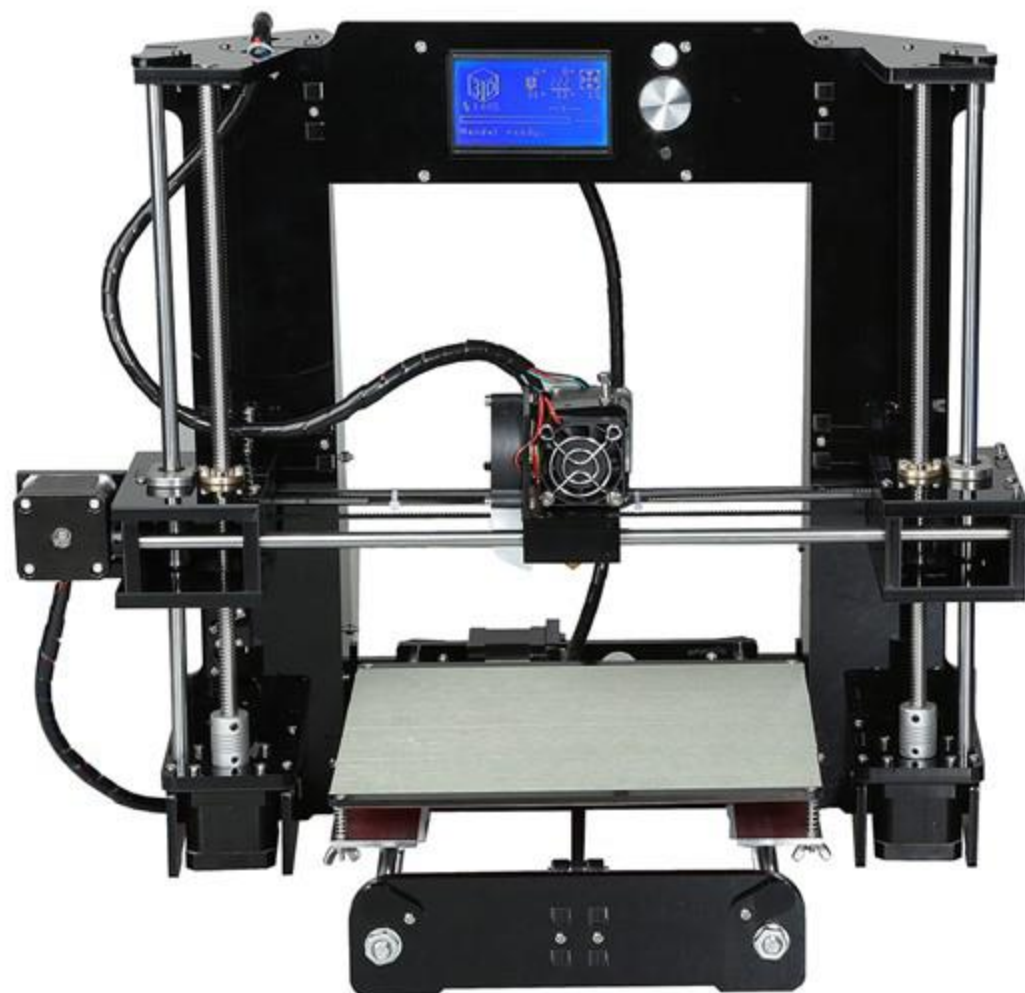


There is no need to separate positive and negative electrodes

(+ red line, - black line)

Printer Display

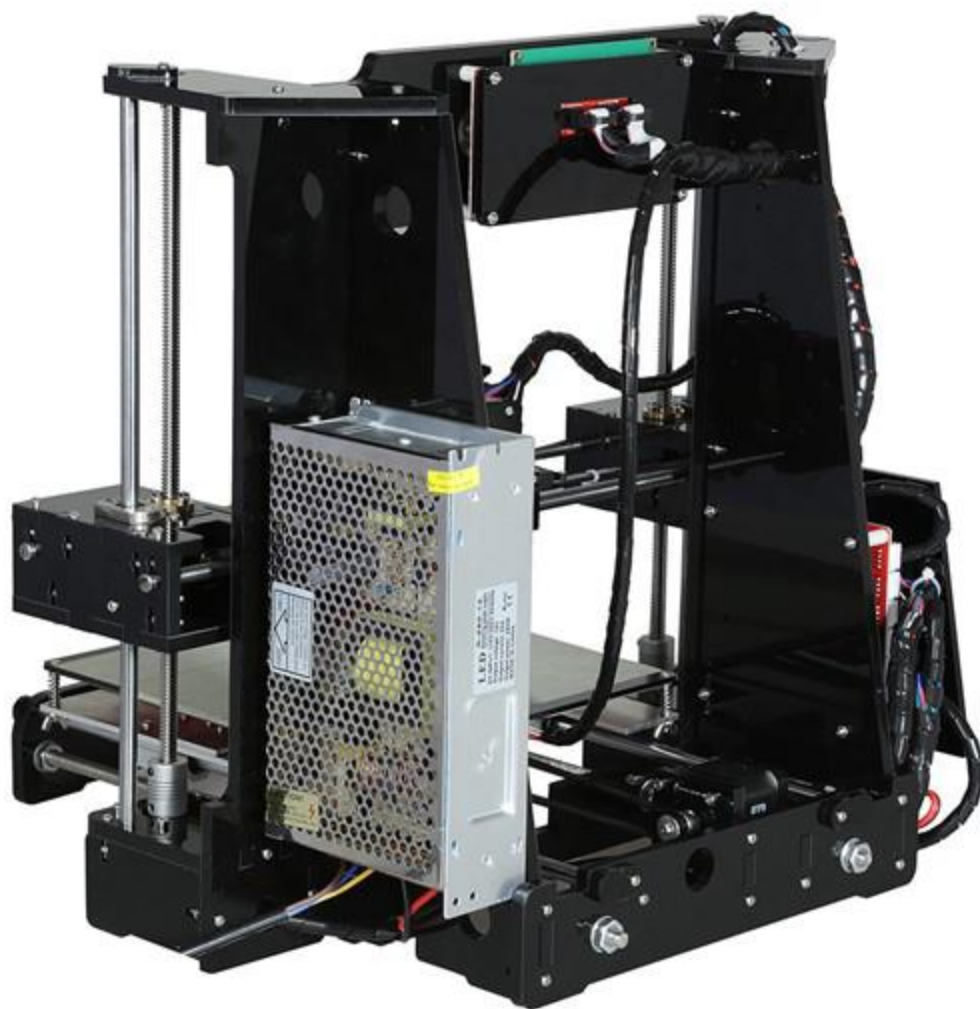












Installation Complete

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.