

A2 3D Printer Installation Instruction



Introduction

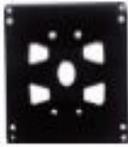
Attention:

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.

3D printer A2-12864-270 assembly parts list

Item	Material number	Picture	Name	QTY	Item	Material number	Picture	Name	QTY
1-1	1101400001 1101400003		X 2040 aluminum profile 400mm *1pcs Y 2040 aluminum profile 460mm *1pcs Left Z 2040 aluminum profile 400mm 1pcs	3	2-1	1700200042		Mainboard	1
1-2	1101400004		Right Z 2020 aluminum profile 400mm	1	2-2	1700200017		12864 LCD Screen	1
1-3	1101400005		Top 2020 aluminum profile 380mm	1	2-3	1300100066		Hotbed Fixing Plate	1
1-4	1101400002		Bottom 2040 aluminum profile 150mm	2	2-4	1700200039		220mm*270mm*3mm Hotbed	1
1-5	1700200027		Hotbed wire	1	2-5	1101900001		Plastic nippers	1
1-6	1700100051		T rod M8*318mm Screw rod M8*150	1	2-6	1101900008		5mm*160mm Screwdriver	1

Item	Material number	Picture	Name	QTY	Item	Material number	Picture	Name	QTY
1-7	1202200007		1.5m USB Wire	1	2-7	1700200024		Z Limited Switch(1) 20cm Y Limited Switch(2) 90cm X Limited Switch(3) 90cm Wire Teflon Tube	1
1-8	1700100030		Contain 10 Parts below	1	2-8			1.5m Power Supply Line	1
1-8-1	1700100036		Spring *4pcs Butterfly nut *4pcs	1	2-9	1700100050		Contain 3 Parts below	1
1-8-2	1700100037		M3*45 Hexagon Socket Screw *4pcs M2*12 Screw *6pcs M8 Nut *4pcs	1	2-9-1	1101900010		3mm*130mm Screwdriver	1
1-8-3	1700100038		M5*14 Cross-screw *19pcs	1	2-9-2	1101900004 1101900006 1101900005 1101900007		Hex Wrench M1.5 Hex Wrench M2 Hex Wrench M2.5 Hex Wrench M3	4
1-8-4	1700100039		M5 T Nut *47pcs	1	2-9-3	1101900003		Open Spanner	1
1-8-5	1700100033		M5*12 Cross-screw *28pcs	1	2-10	1300100012		Filament Support Plate	2

Item	Material number	Picture	Name	QTY	Item	Material number	Picture	Name	QTY
1-8-6	1700100035		M3*18 Screw *8pcs	1	2-11	1300100013		Filament Support Plate Connection	2
1-8-7	1700100032		M5 Washer *16pcs	1	2-12	1300100100		Screen Protector	1
1-8-8	1700100034		M3*12 Screw *14pcs	1	2-13	1300100067		Z Motor Fixing Plate	1
1-8-9	1700100031		M5*30 Screw *16pcs	1	2-14	1300100101		Screen Fixing Plate	1
1-8-10	1700100040		M3 Nut *22pcs	1	2-15	1300100068		Mainboard Fixing Plate	1
1-9	1700100041		Contain 5 Parts below	1	2-16	1300100069		Mainboard Fender	1

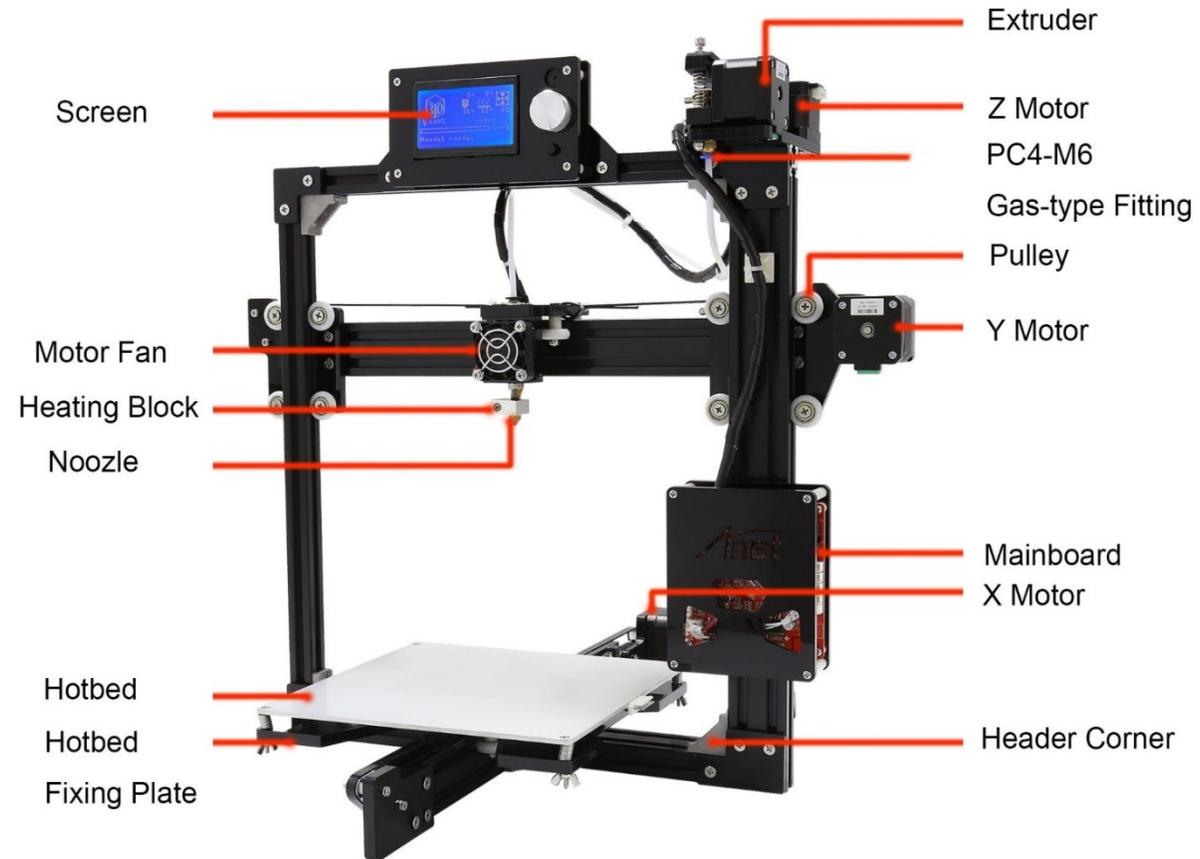
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1-9-1	1700100045		M3*30 Screw *14pcs	1	2-17	1700300014		Contain 6 Parts below	1
1-9-2	1700100044		M5 Nut *16pcs	1	2-17	1300100076		Aluminium Profile Fixing Plate 1	2
1-9-3	1700100043		M3*7*7 Pillar *18pcs M3*7*30 Pillar *4pcs M5*9*10 Pillar *16pcs	1	2-17	1300100080		Aluminium Profile Fixing Plate 2	2
1-9-4	1700100046		Flange bearing *12pcs	1	2-17	1300100077		Z Limited Switch Fixing Plate	1
1-9-5	1700100042		Plastic Bearing *12pcs	1	2-17	1300100079		Y Limited Switch Fixing Plate	1
1-10	1700100047		Angle Code *8pcs	1	2-17	1300100078		X Limited Switch Fixing Plate	1

Item	Material number	Picture	Name	QTY	Item	Material number	Picture	Name	QTY
3-1	1700100048		Nozzle	1	2-17	1700300011		Brass Nut Fixing Plate	1
3-2	1700100049		Extruder Motor	1	2-18	1300100070		Y Motor Fixing Plate	1
3-3	1700200008		X Motor	1	2-19	1300100072		X Belt Bearing Fixing Plate	1
3-4	1700200009		Y Motor	1	2-20	1300100073		Y Belt Bearing Fixing Plate	1
3-5	1700200010		Z Motor	1	2-21	1300100074		X Motor Fixing Plate	1
3-6	1700300012		2.4m Belt	1	2-22	1300100075		Extruder Fixing Plate	1

Item	Material number	Picture	Name	QTY	Item	Material number	Picture	Name	QTY
3-7	1700300013		Contain 4 Parts Below	1	2-23	1700200025		8GB TF Card Card Reader	1
3-7-1	1300500001		Spool *3m	1	2-24	1300700002		Flat seal 30cm	1
3-7-2	1300900001		Ribbon	12	2-25	1700200026		Y Motor Wire Winding 90cm X Motor Wire Winding 40cm Z Motor Wire Winding 40cm Filament Feeder Wire Winding 40cm	1
3-7-3	1300400006		R Clip	3	2-26	1200100002		12V 240W Power Supply	1
3-7-4	1300400005		Locating Plate	2					

Please check printer parts quantity when you receive it .

Components Name



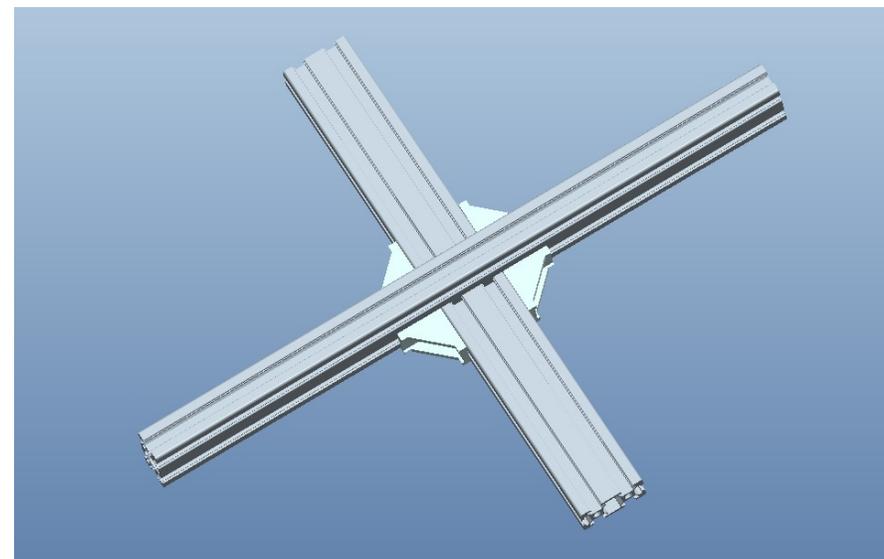
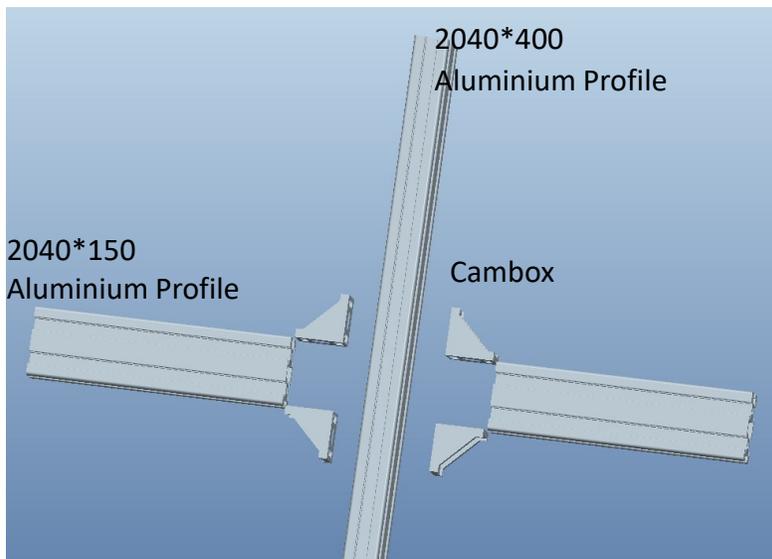
01

Installation of Bottom Aluminium Profile

Attention:

Keep the Aluminium Profile at the same level during assembly . It's better to hold the Aluminium Profile when you lock the Cambox.

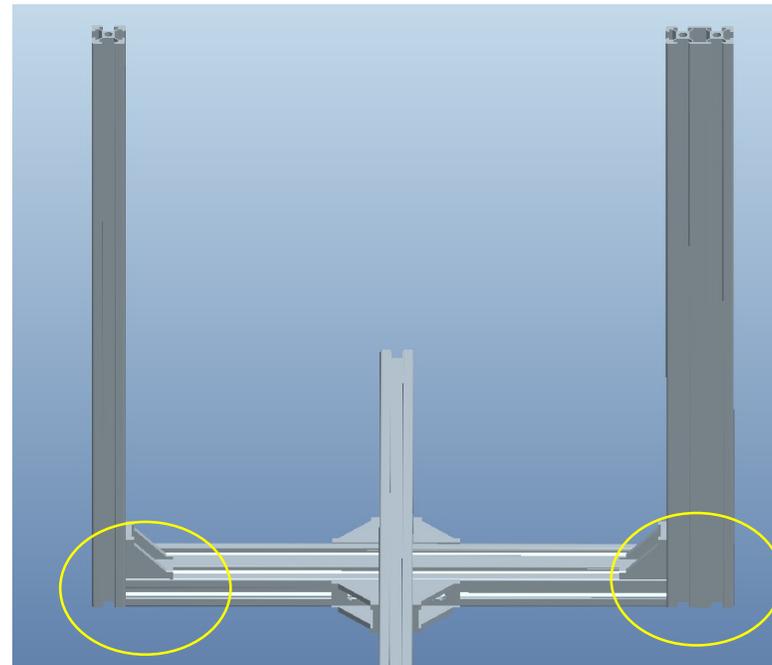
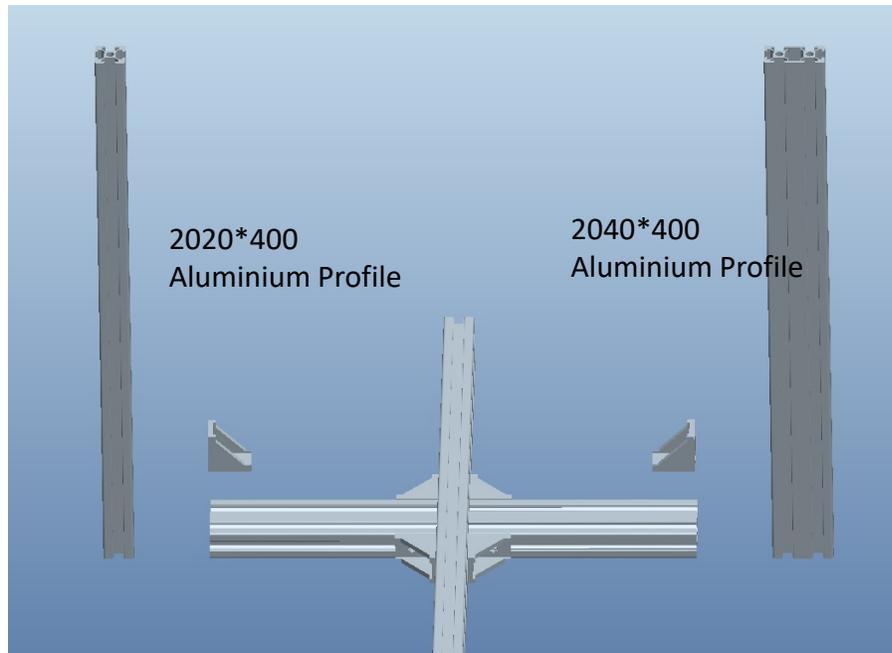
Name	QTY	Note
2040*150 Aluminium Profile	2	
2040*400 Aluminium Profile	1	
Header Corner	4	
M5*12 Screw	8	
M5 Pillar	8	
M5 T Nut	8	



Installation of Left & Right Aluminium Profile

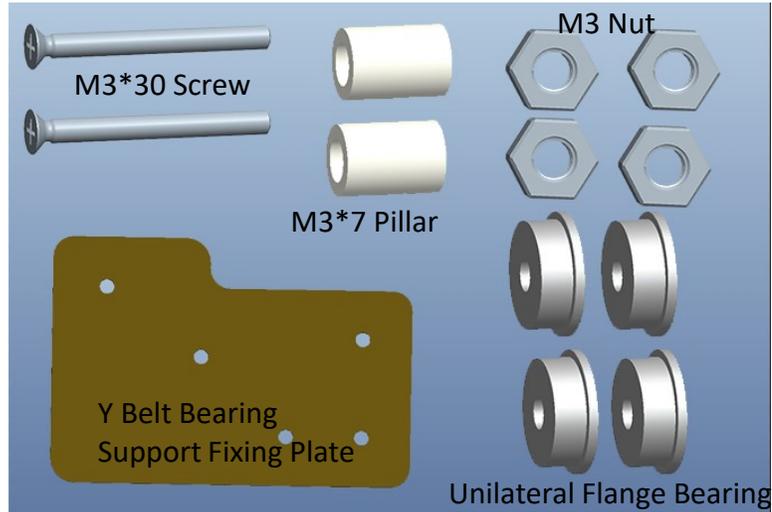
02

Name	QTY	Note
2020*400 Aluminium Profile	1	
2040*400 Aluminium Profile	1	
Header Corner	2	
M5*12 Screw	4	
M5 Pillar	4	
M5 T Nut	4	

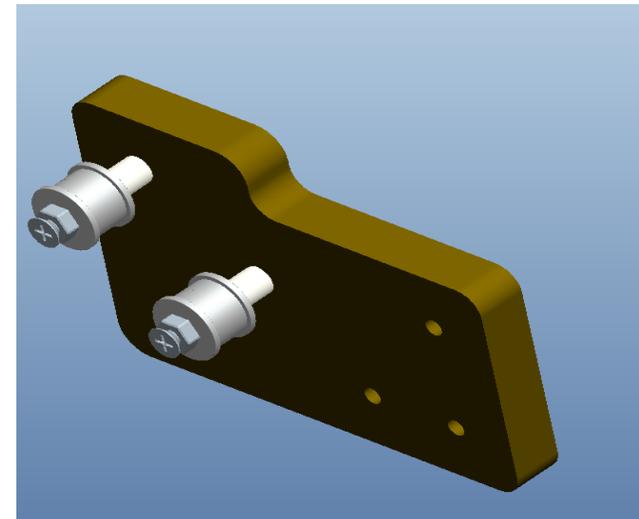
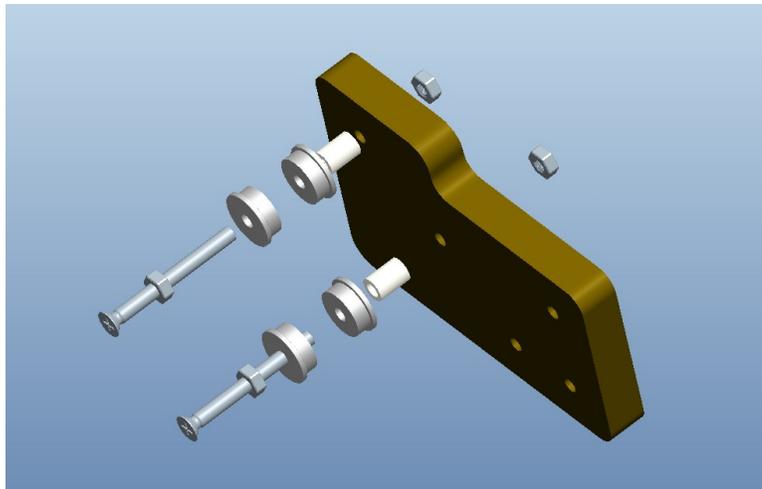


03

Installation of Y Belt Bearing Support Fixing Plate

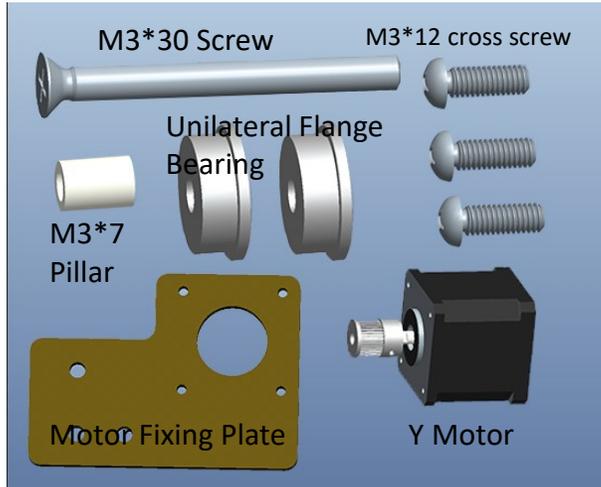


Name	QTY	Note
Y Belt Bearing Support Fixing Plate	1	
M3*30 Screw	2	
M3 Nut	4	
M3*7 Pillar	2	
Unilateral Flange Bearing	4	

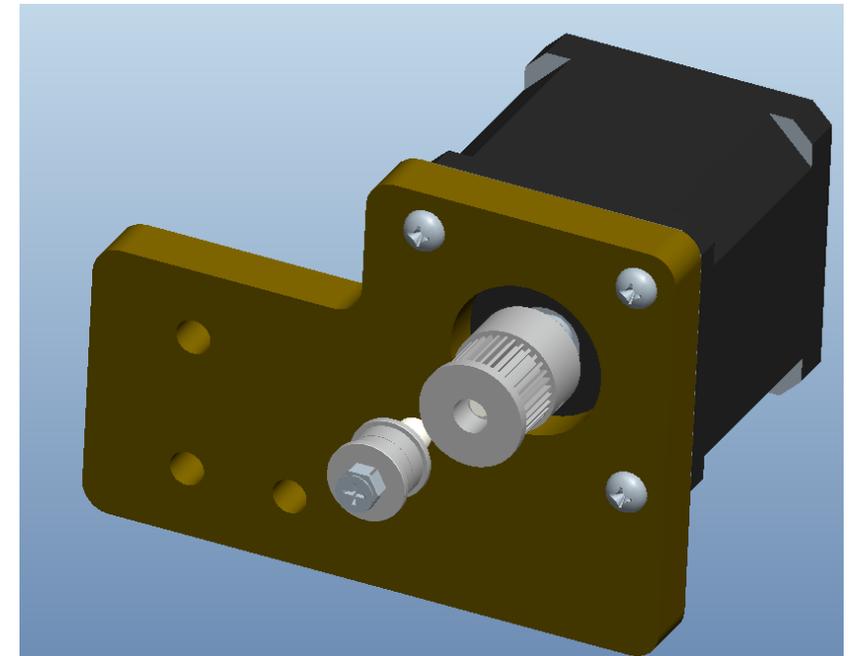
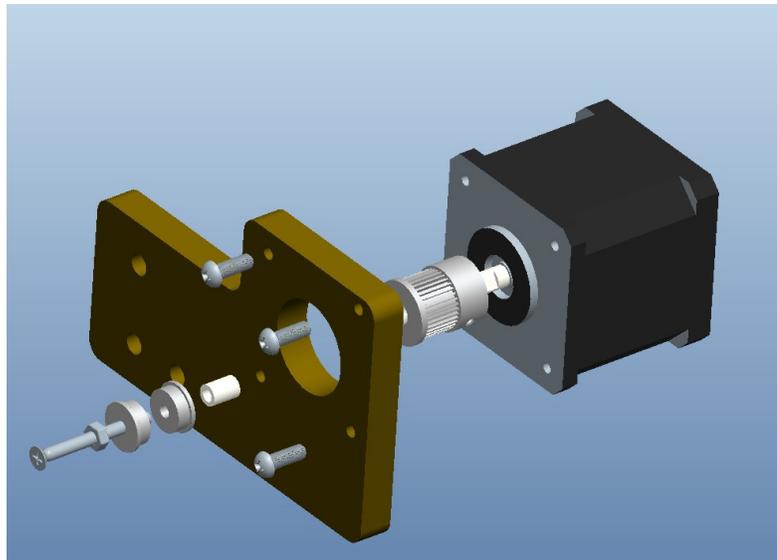


Installation of Y Motor Fixing Plate

04

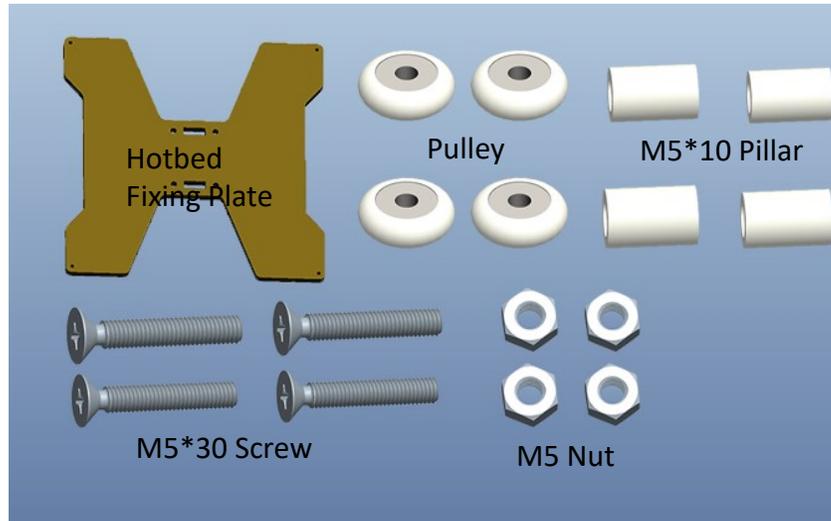


Name	QTY	Note
Y Motor Fixing Plate	1	
Y Motor	1	
M3*30 Scrwe	1	
Unilateral Flange Bearing	2	
M3*7 Pillar	1	
M3*12 cross screw	3	

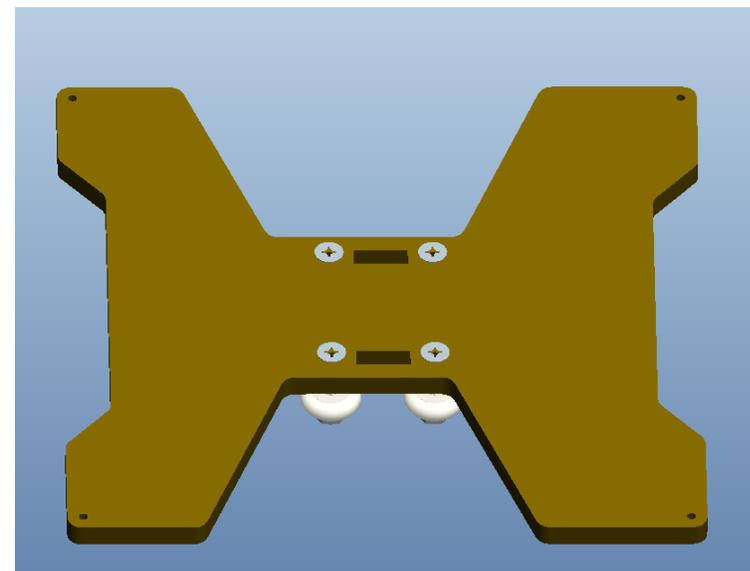
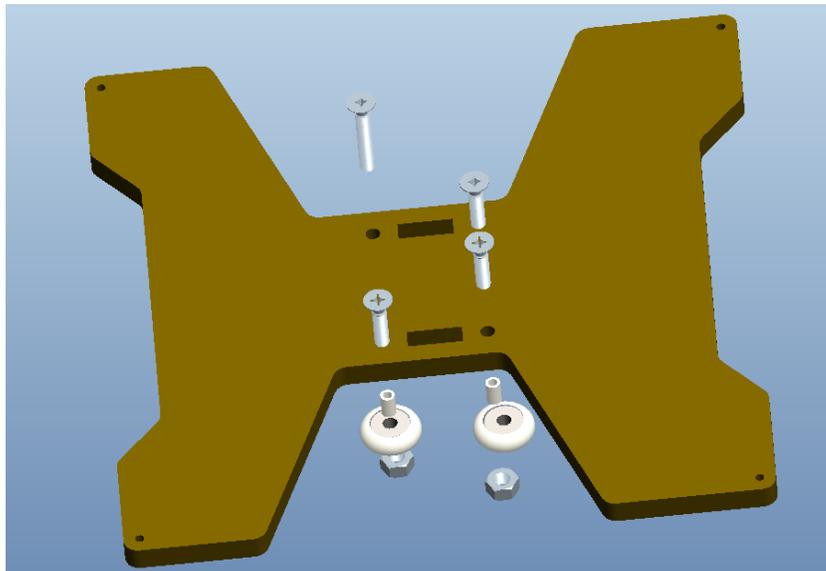


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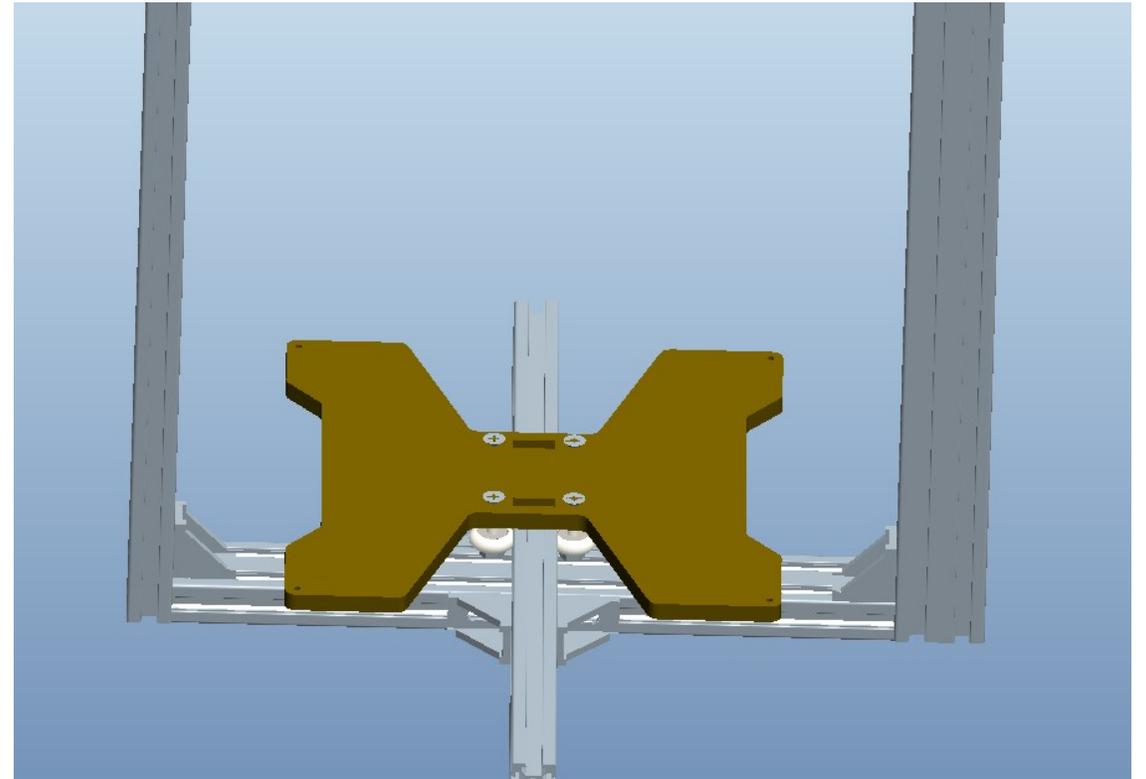
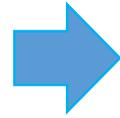
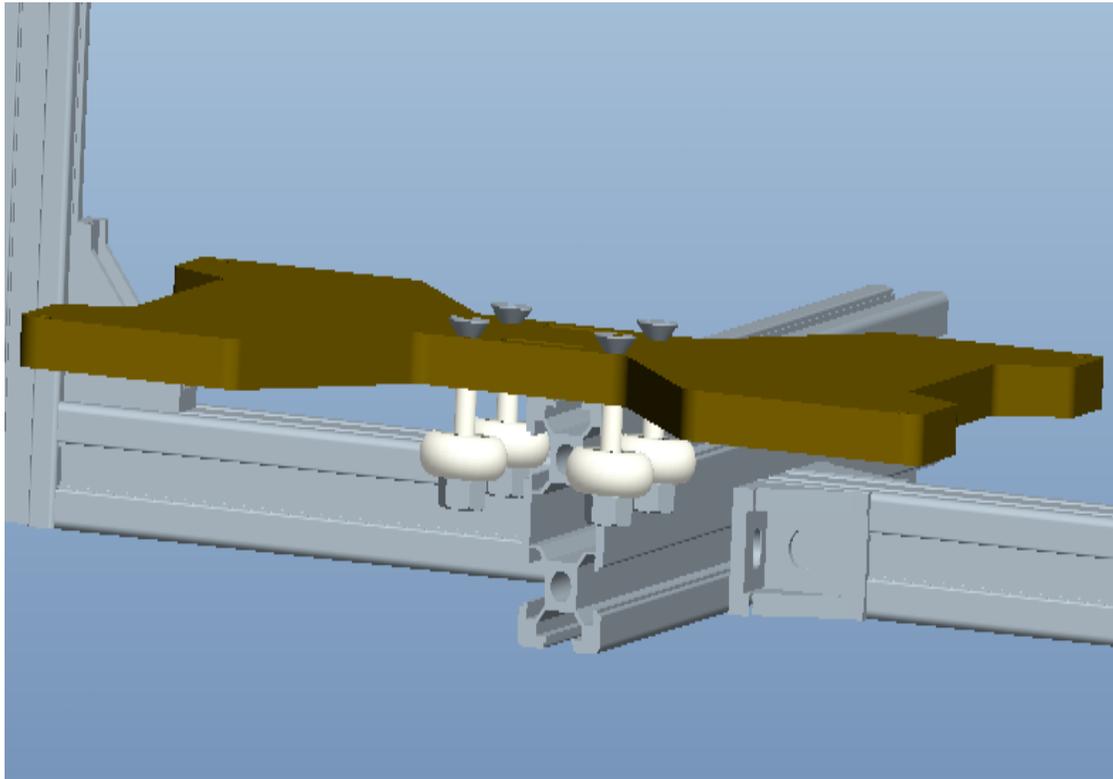
Installation of Hotbed Fixing Plate



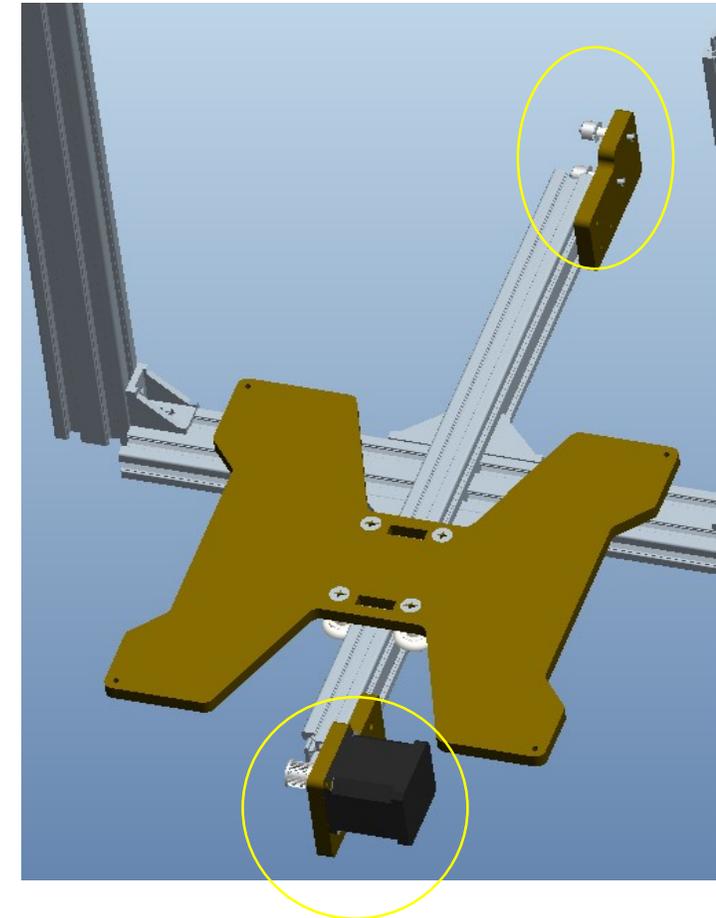
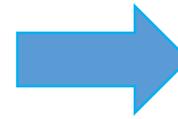
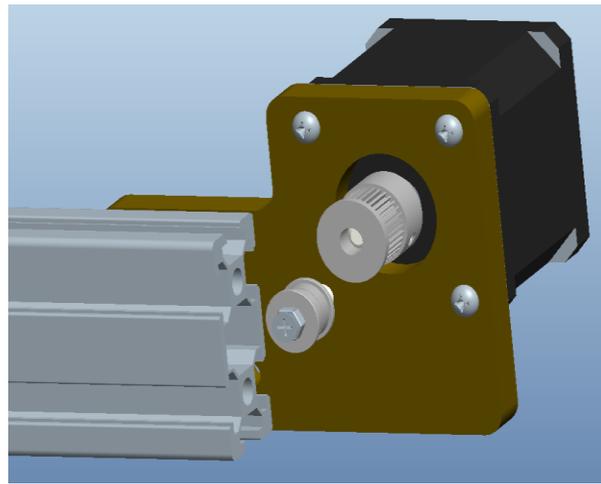
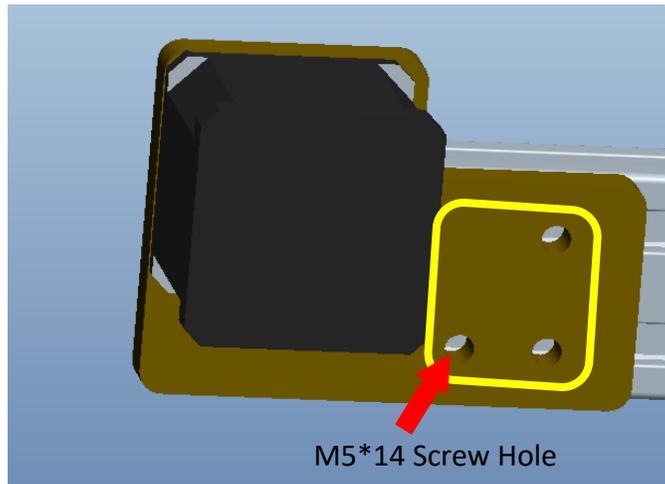
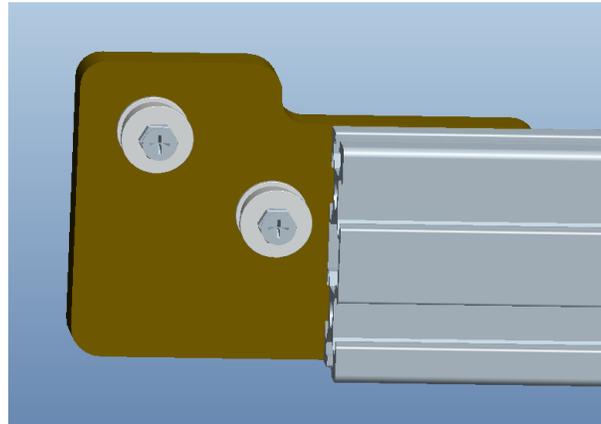
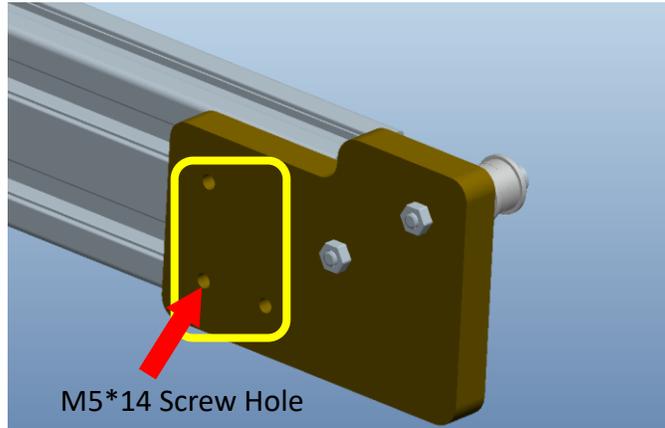
Name	QTY	Note
Hotbed Fixing Plate	1	
M5*10 Pillar	4	
M5*30 Screw	4	
M5 Nut	4	
Plastic Bearing	4	



Pay attention to the Fluency , if it's not smooth enough please adjust the degree of screw tightness



Installation of Y Axis



Name	QTY	Note
M5*14 Screw	6	
M5 T Nut	6	

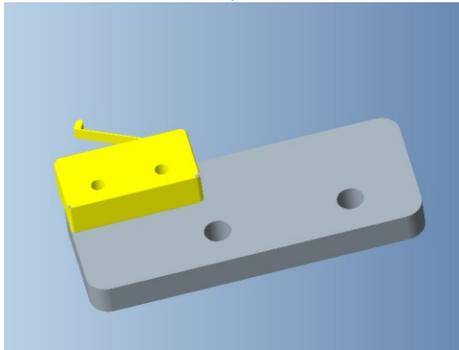
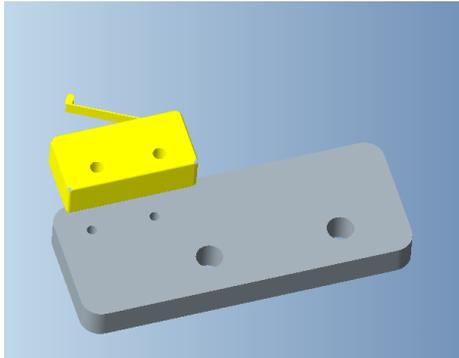
Attention :
Y support plate should be at the same side

Installation of Y

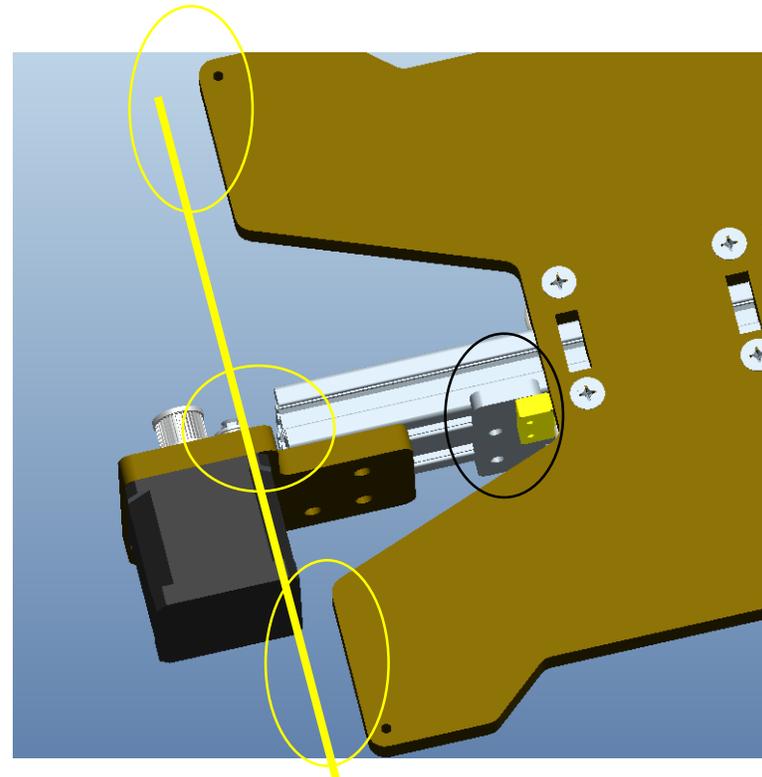
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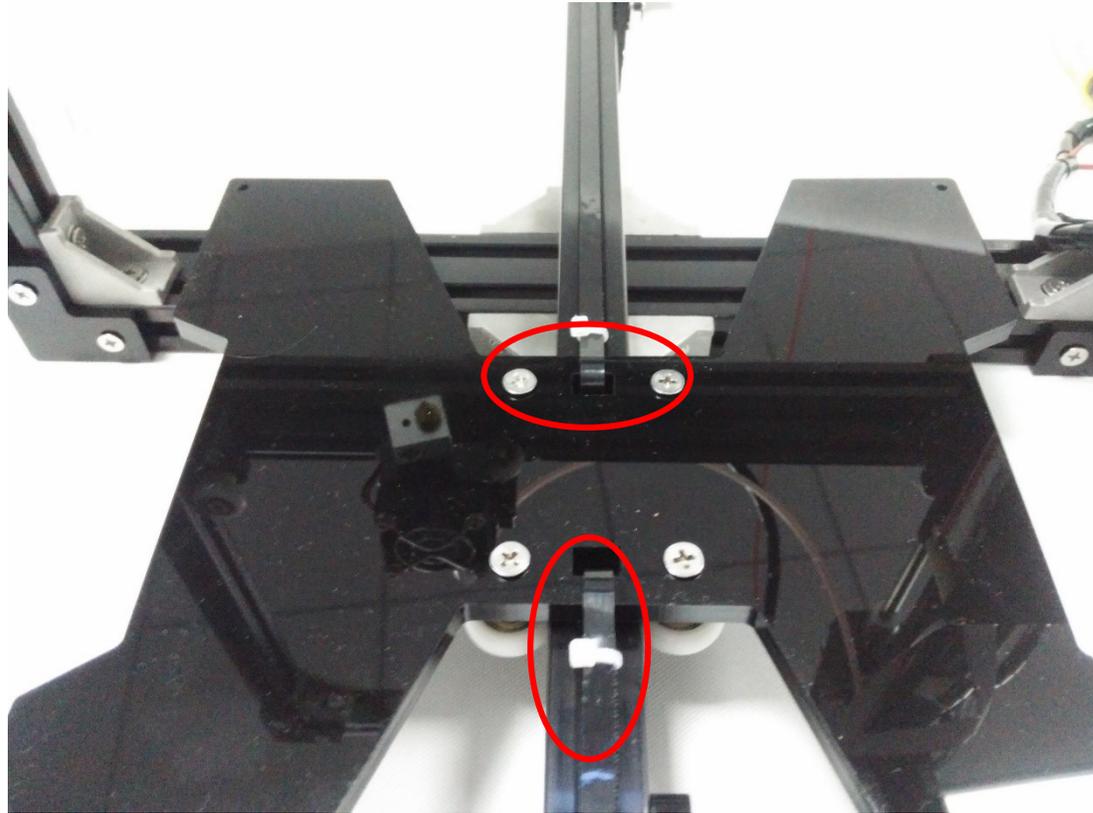
Attention:

Keep the hotbed fixing plate and motor fixing plate at the same level. The edge of hotbed fixing plate is the position of the limited switch.



Name	QTY	Note
Y Limited Switch Fixing Plate	1	
Y Limited Switch	1	
M2 Self-tapping Screw	2	
M5*12 Screw	2	
M5 T Nut	2	

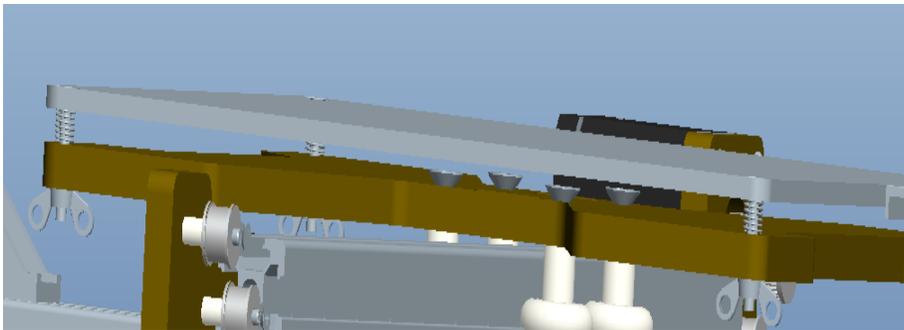
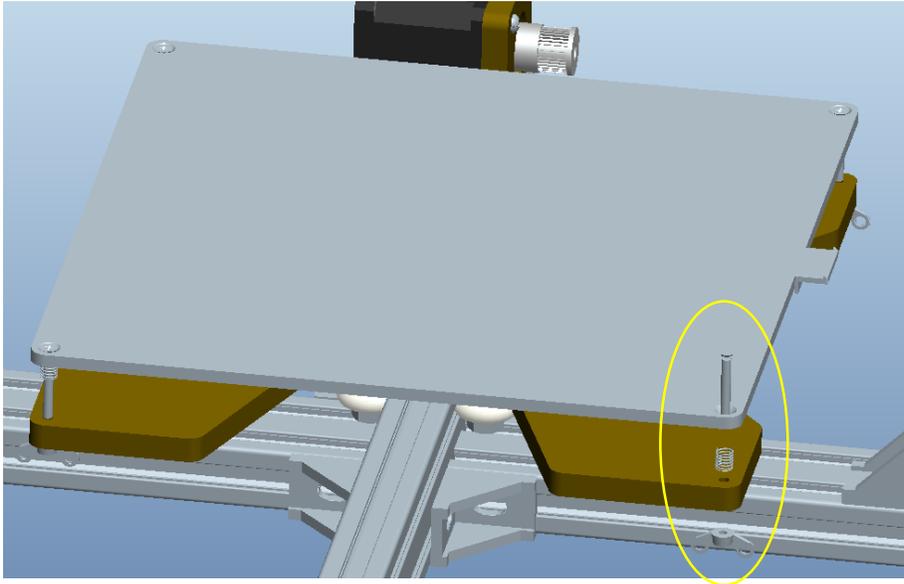




Let belt go through the hole and lock it with ribbon.

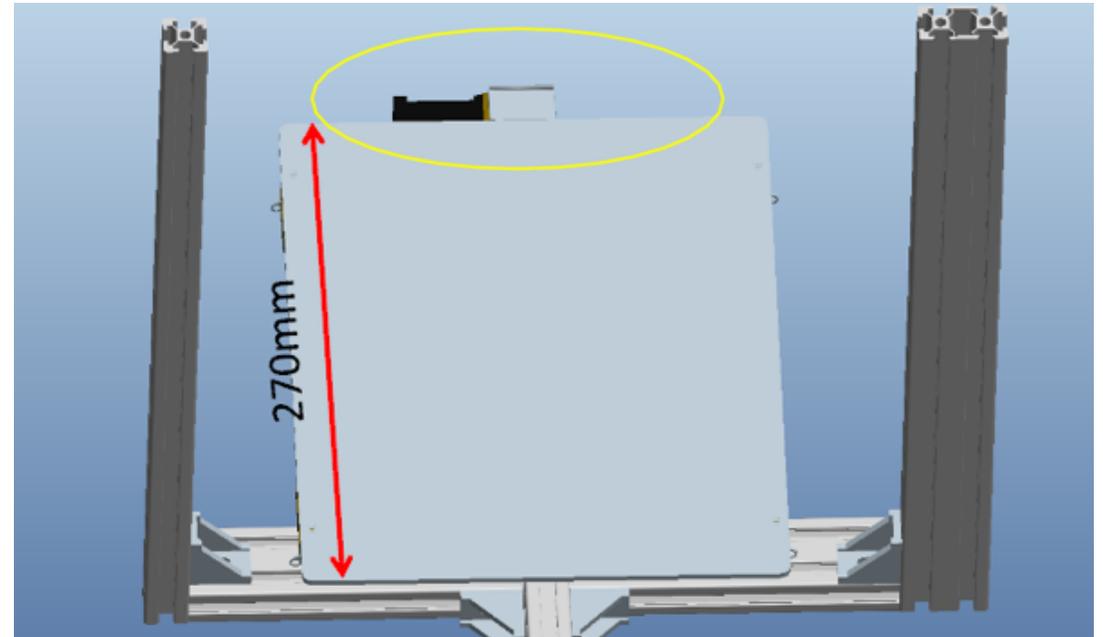
Installation of Hotbed

10



Press the Spring during installation

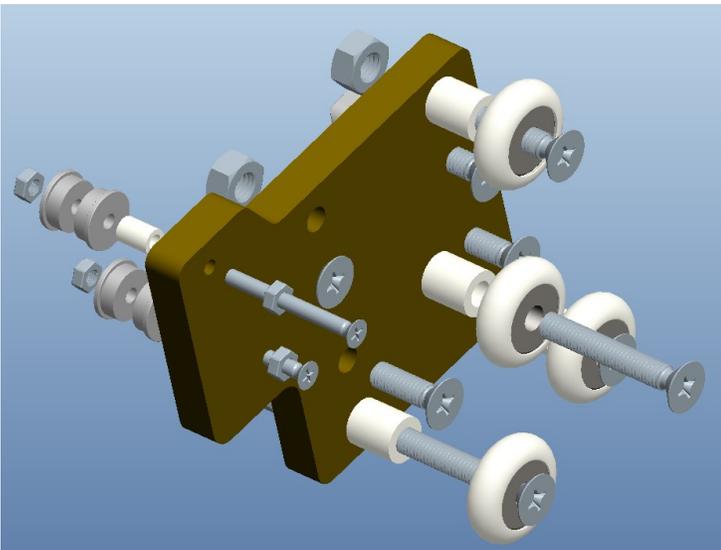
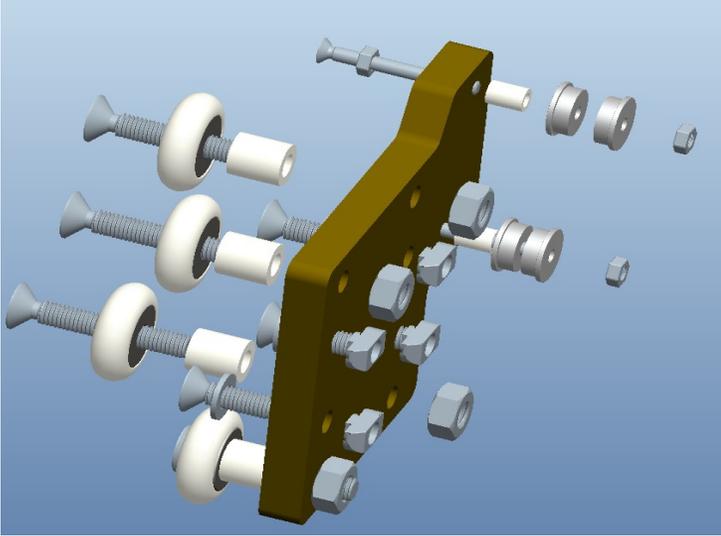
Name	QTY	Note
220*270 Aluminium Profile	1	Let the yellow paper side on the top
M3*30 Screw	4	
M3 Butterfly Nut	4	
Spring	4	



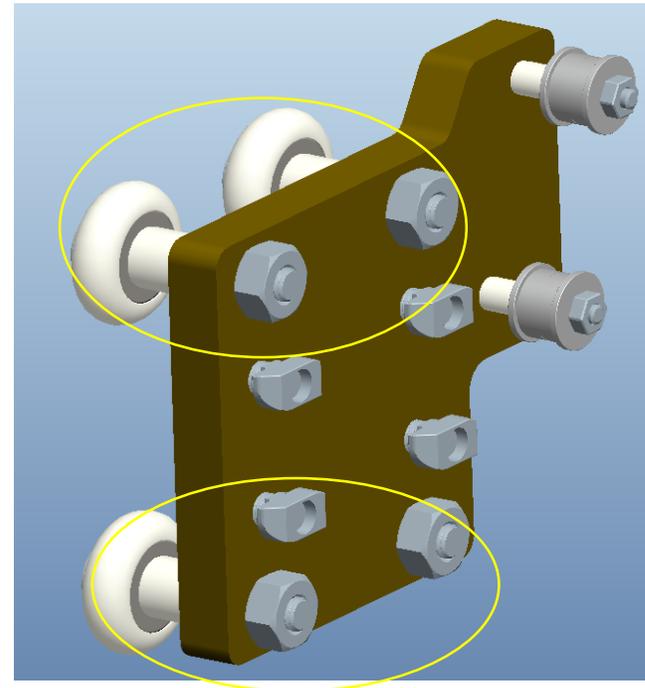
Direction of Aluminium Profile

11

Installation of X Belt Bearing Fixing Plate



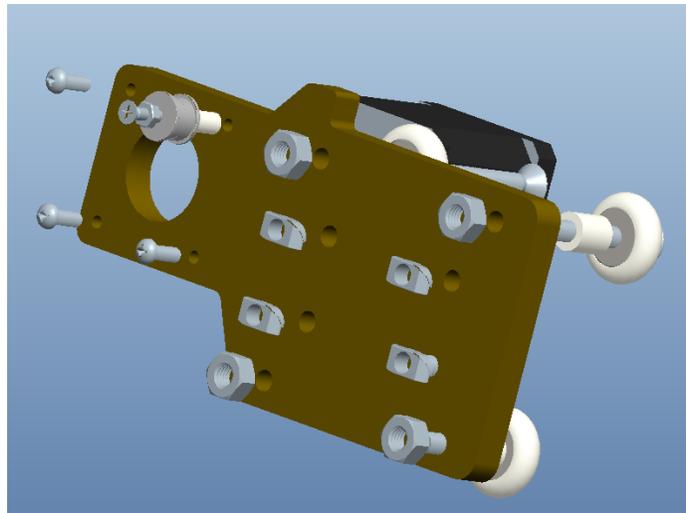
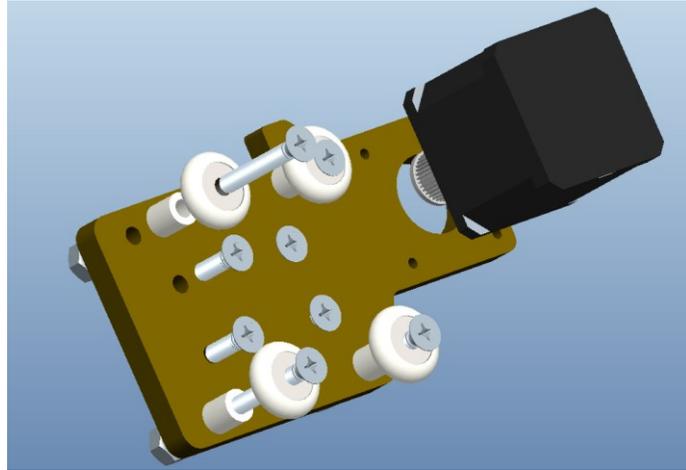
Name	QTY	Note	Name	QTY	Note
X Belt Bearing Fixing Plate	1		M5 T Nut	4	
M5*30 Screw	4		M3 Nut	4	
M5*14 Screw	4		M5*10 Pillar	4	
M3*30 Screw	2		M3*7 Pillar	2	
M5 Nut	4		Plastic Bearing	4	
Unilateral Flange Bearing	4				



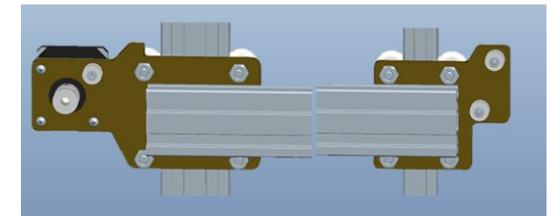
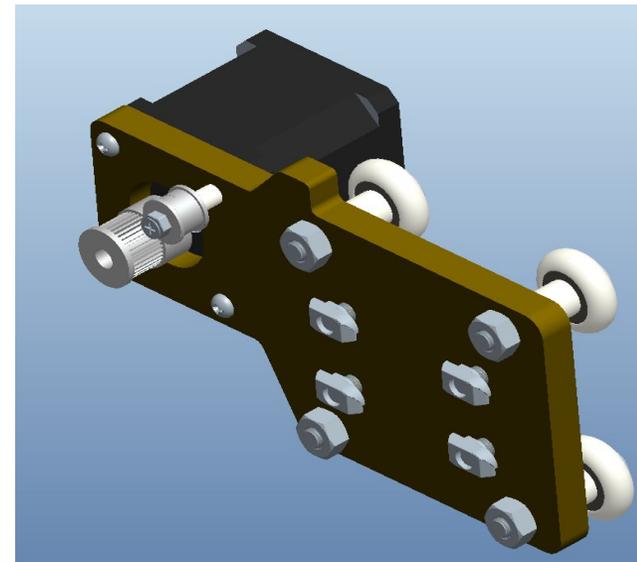
Attention:
Don't tighten too much when you install pulley, or it will have bad influence on the fluency of slicing.

Installation of X Motor Fixing Plate

12



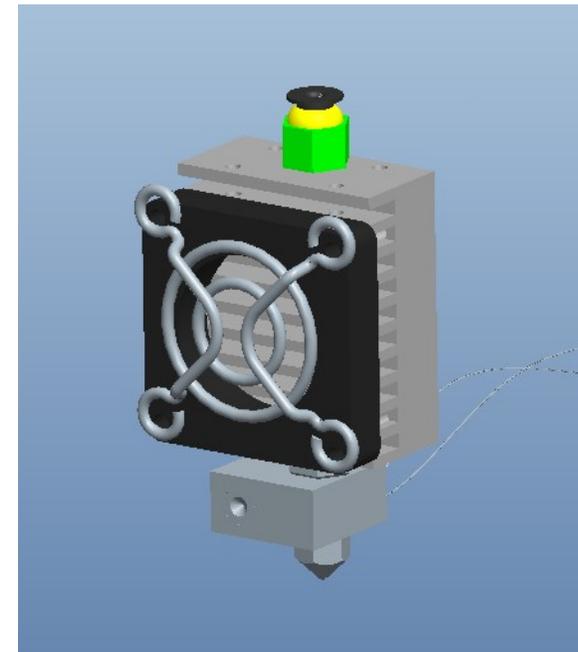
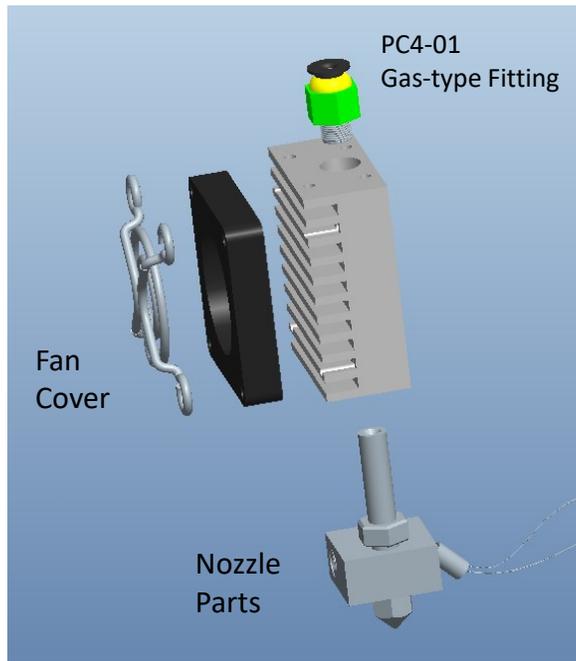
Name	QTY	Note	Name	QTY	Note
X Motor Fixing Plate	1		M5 T Nut	4	
M5*30 Screw	4		M3 Nut	1	
M5*14 Screw	4		M5*10 Pillar	4	
M3*30 Screw	1		M3*7 Pillar	1	
M5 Nut	4		X Motor	1	
Unilateral Flange Bearing	4		M3*12 Screw	3	
Plastic Bearing	4				



X motor fixing plate and belt fixing plate should be at the same side. Pay attention to the direction of installation.

Installation of Extruder

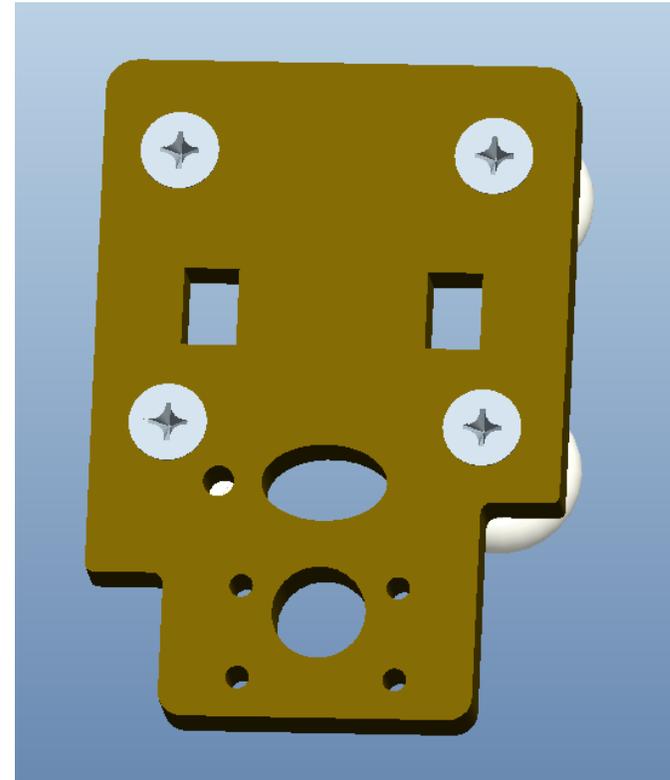
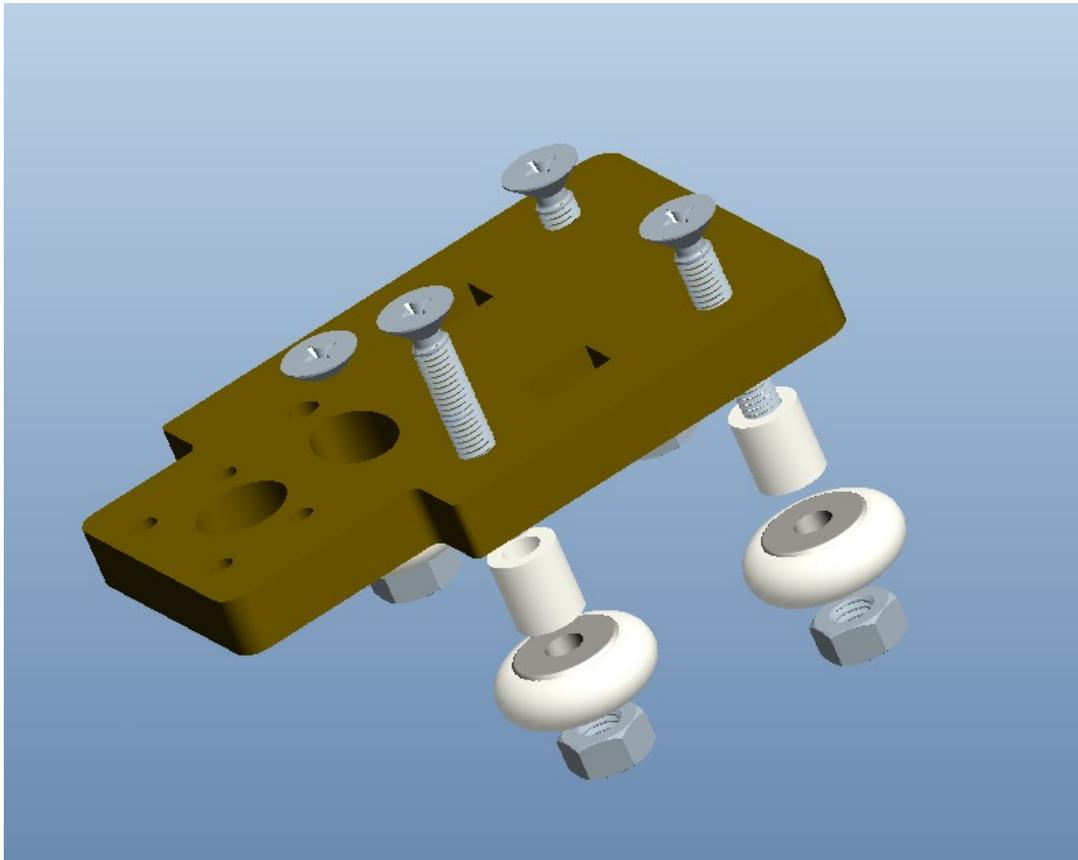
Name	QTY	Note
pc4-01 Gas-type Fitting	1	
Heat Sink	1	
Nozzle parts	1	
40*10Fan	1	
M3*25 Screw	4	
M3 Pillar	8	
Fan Cover	1	



Installation of Extruder Fixing Plate

14

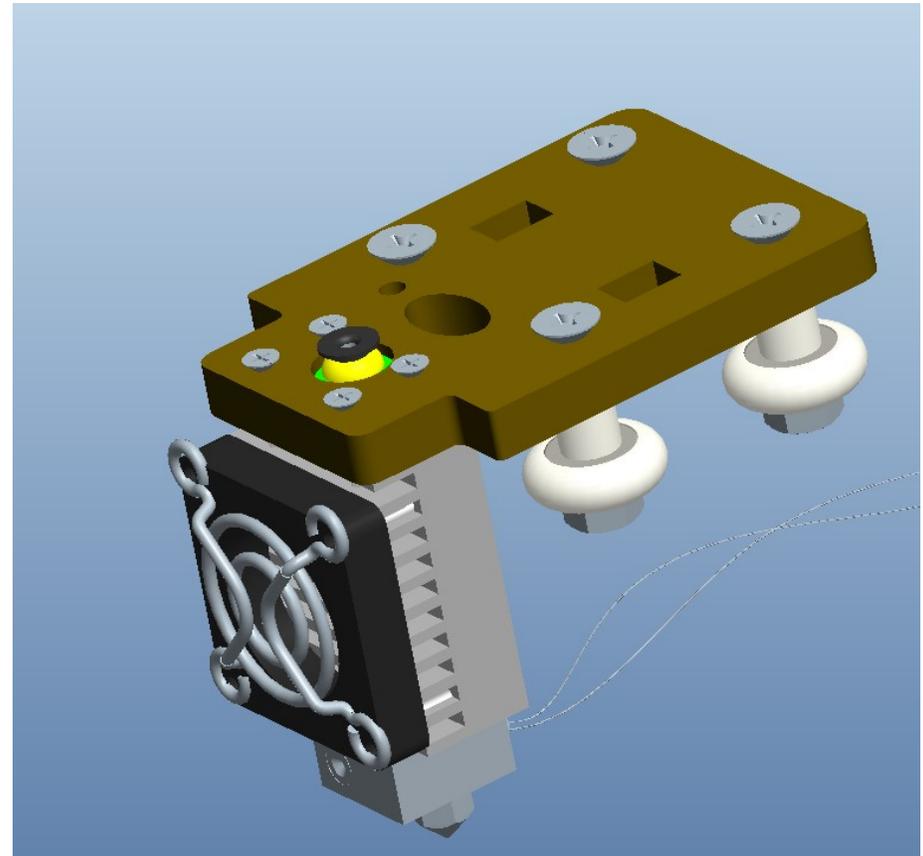
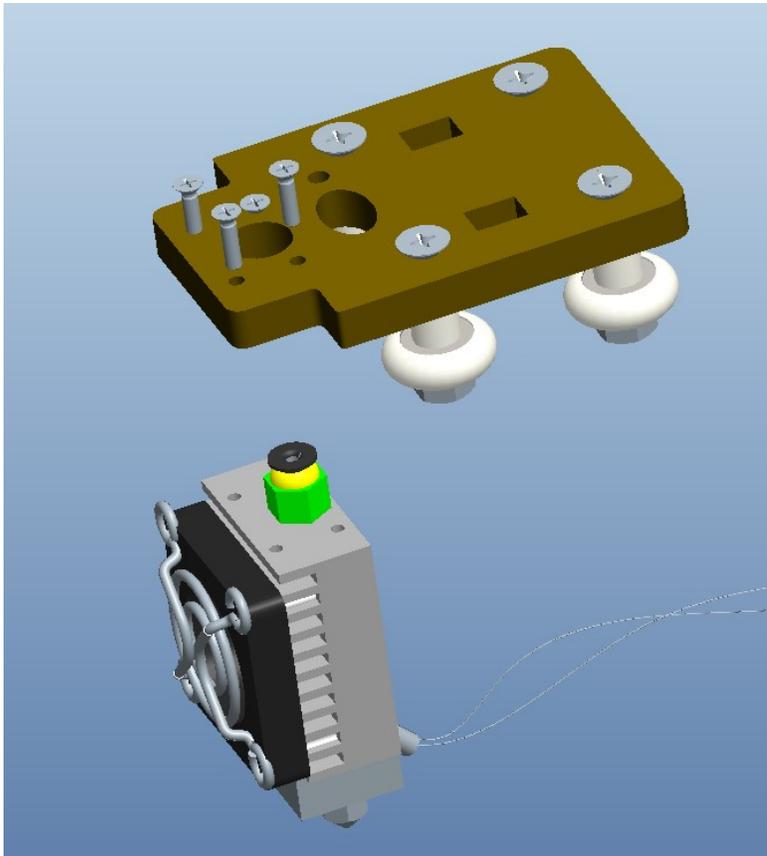
Name	QTY	Note
Extruder Fixing Plate	1	
M5*30 Screw	4	
M5*10 Pilalr	4	
M5 Nut	4	
Plastic Bearing	4	



15

Installation of Extruder and Fixing Plate

Name	QTY	Note
M3*12 Screw	4	

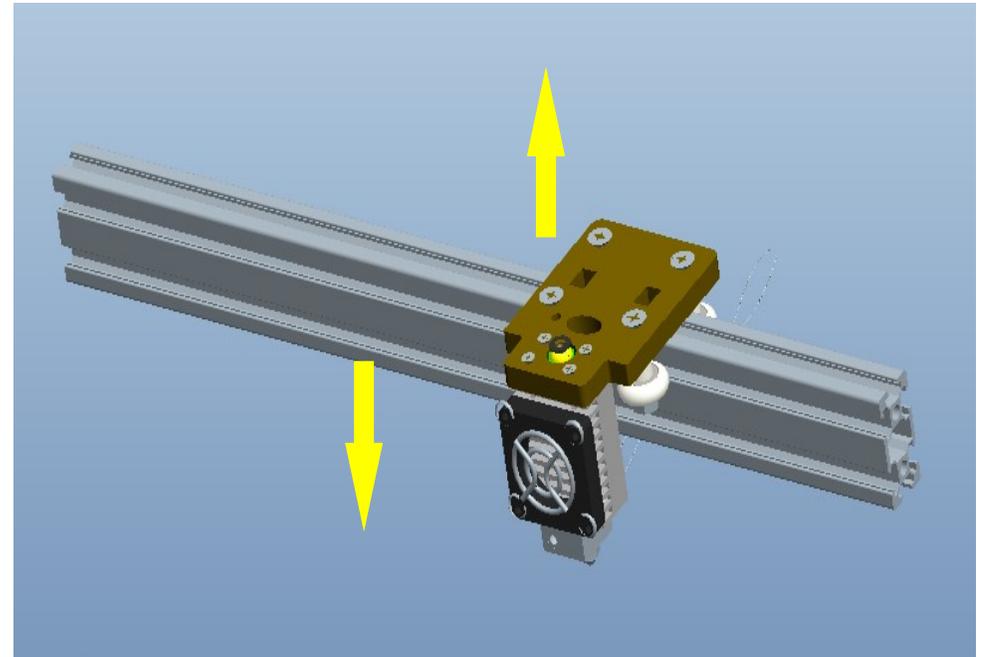
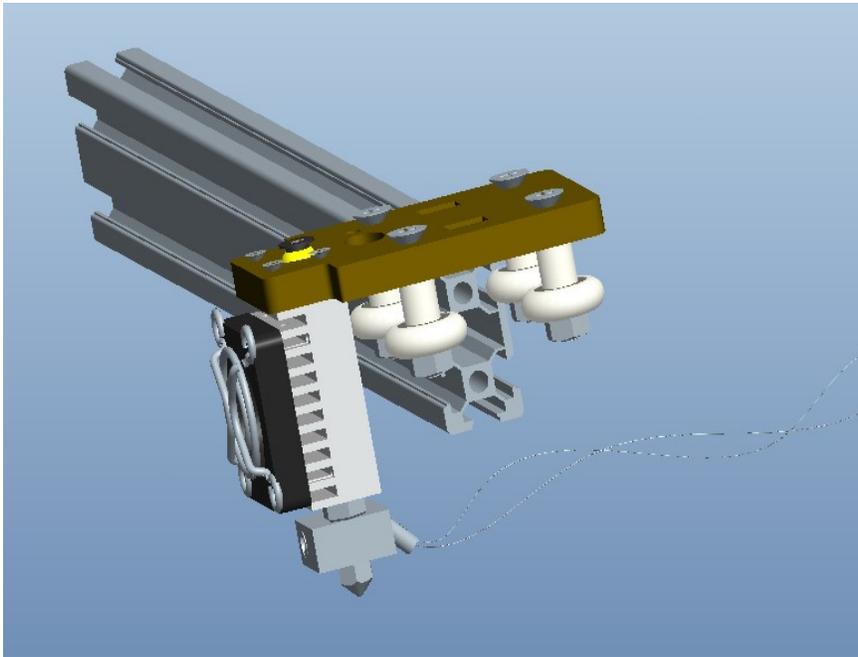


Installation of Extruder Fixing Plate

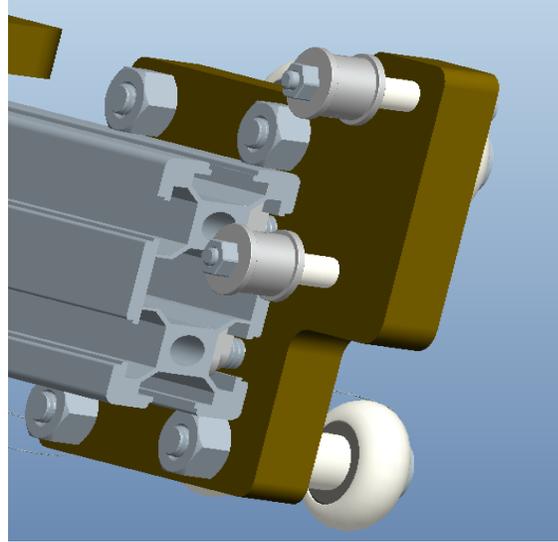
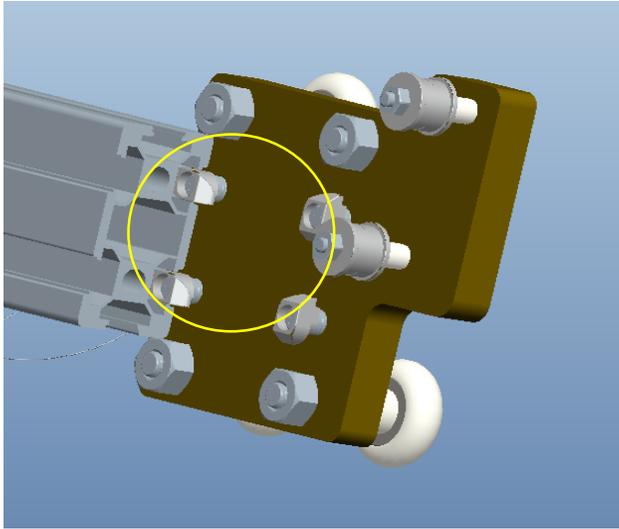
16

Name	QTY	Note
2040*400 Aluminium Profile	1	

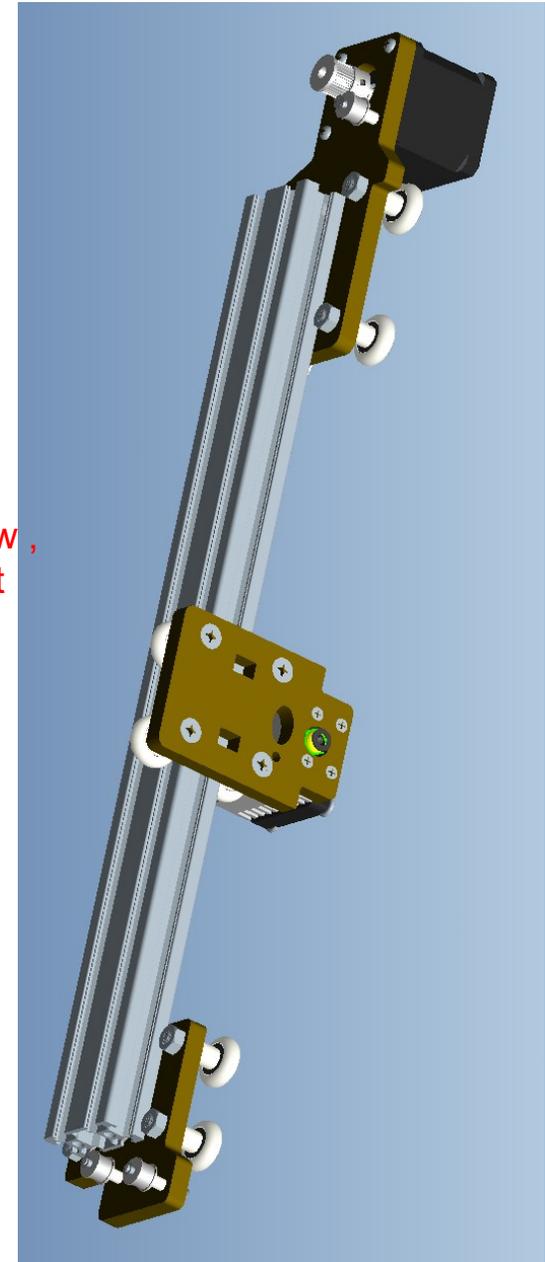
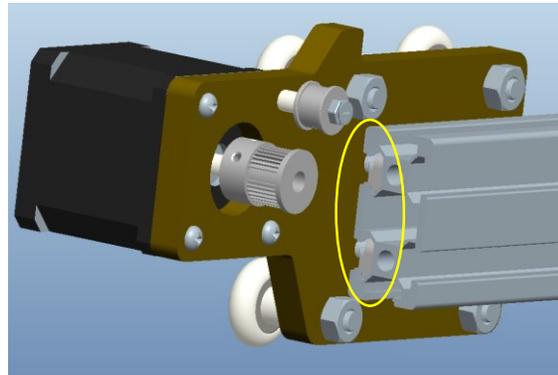
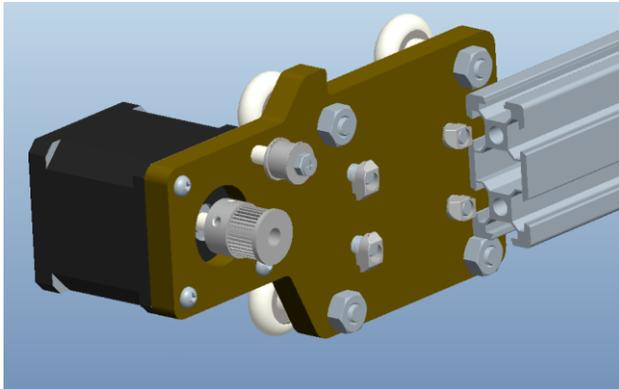
Adjust the fixing plate until it can slide smoothly , or you need to adjust the degree of tightness.
(Before the operation , ensure that the slider is well tightened and cannot be shaken)



Installation of X Axis

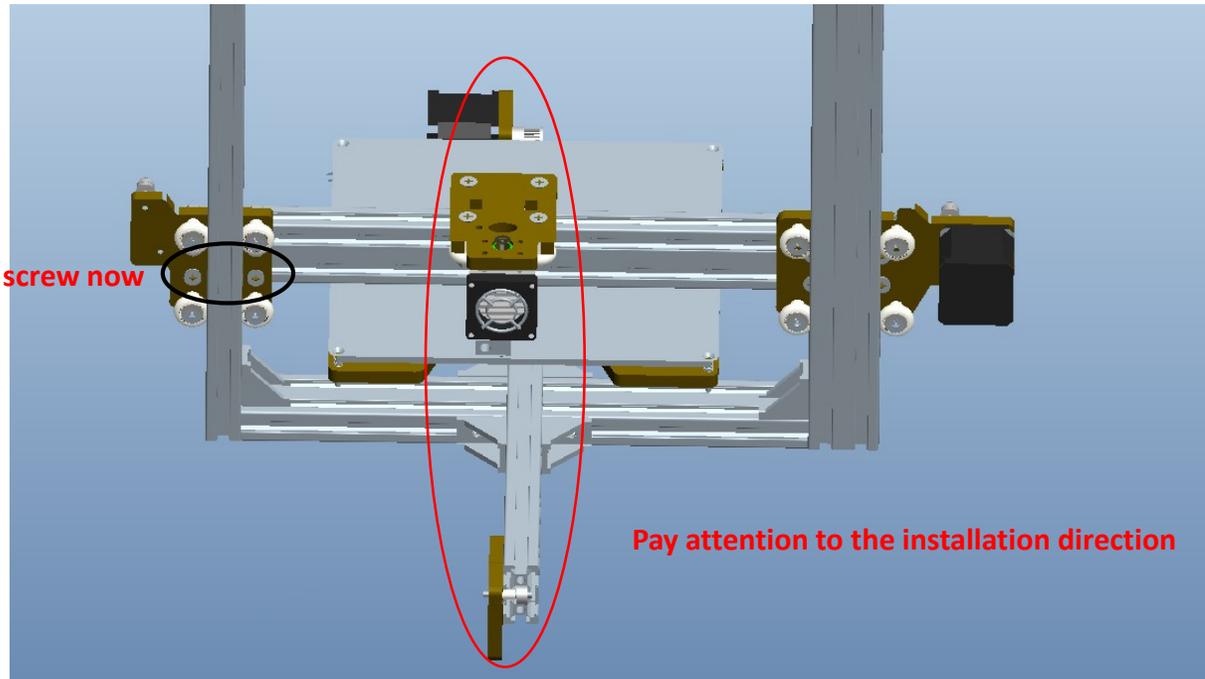
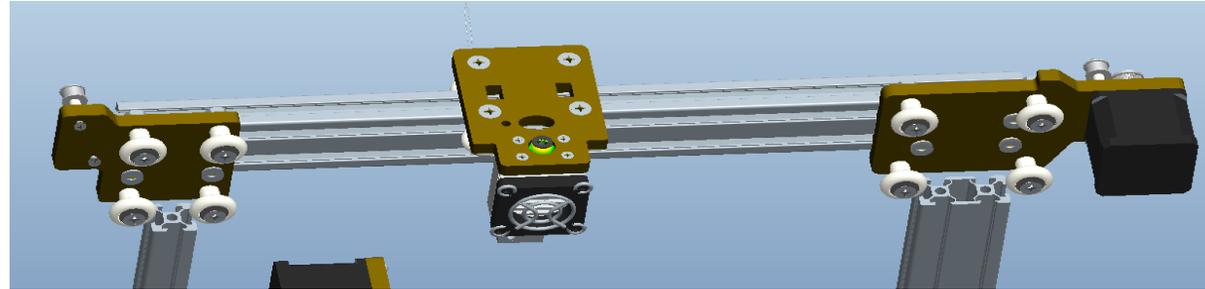


Don't lock the belt bearing support now, it needs adjustment in next steps.



Installation of X Axis

18

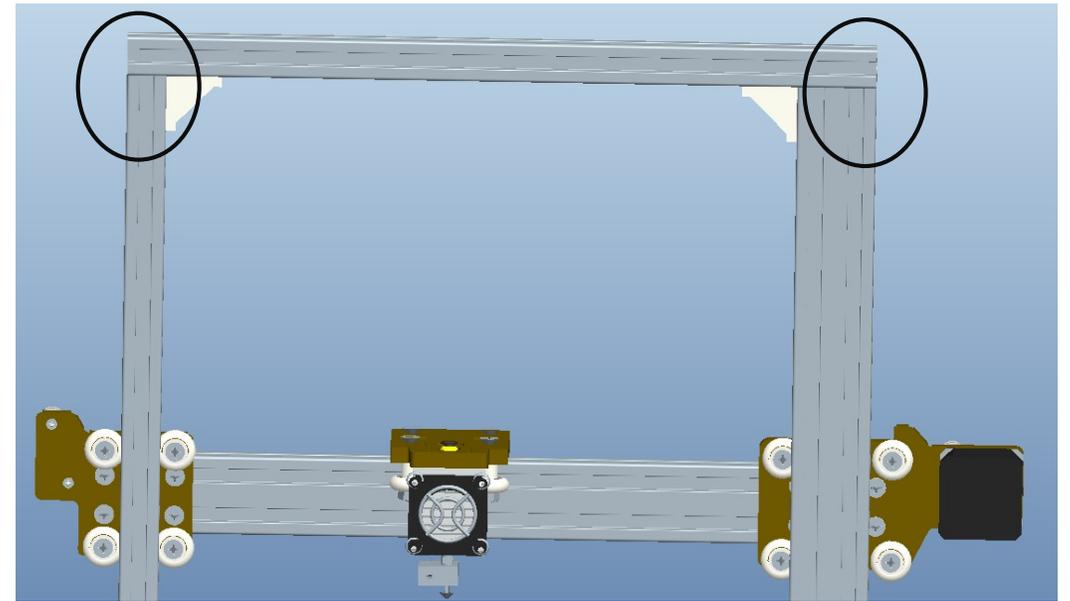
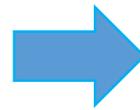
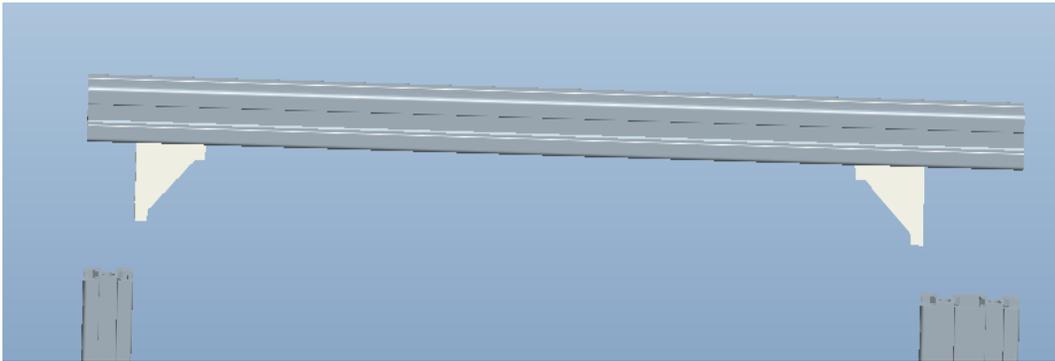


Don't tighten the 4 M5*16 screw now

Pay attention to the installation direction

Installation of 2020*380 Aluminium Profile

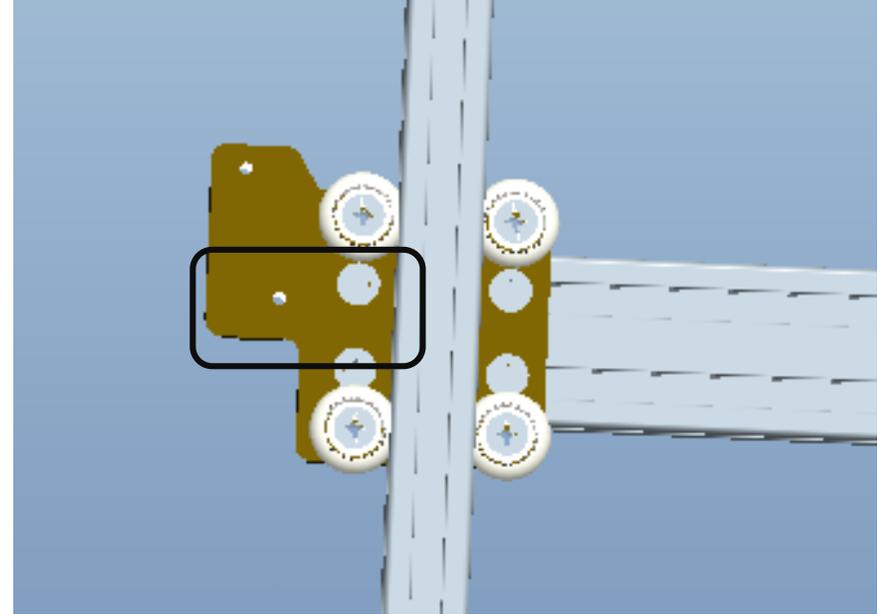
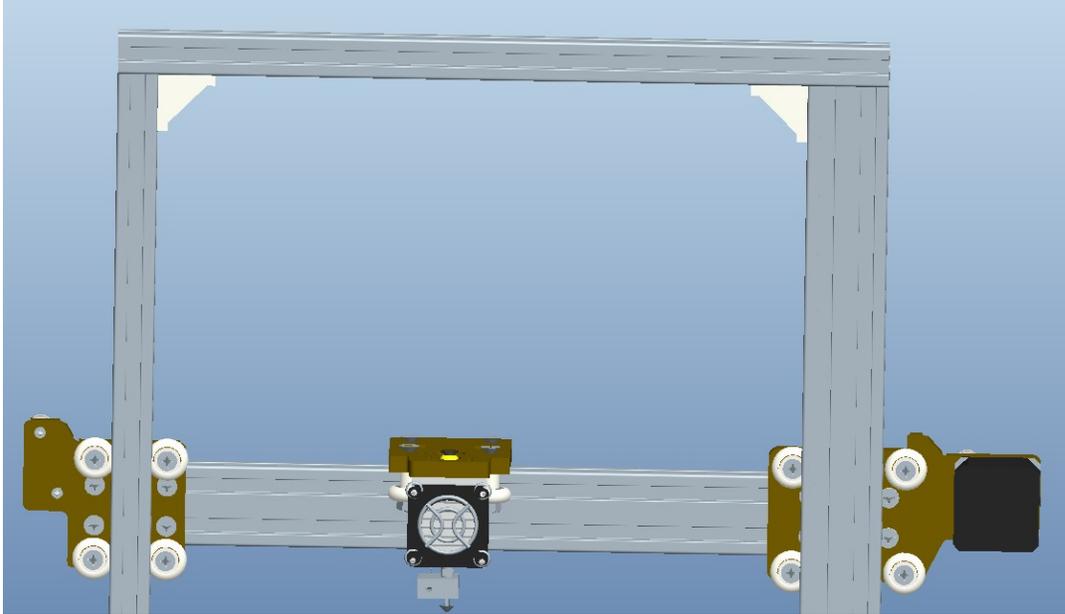
Name	QTY	Note
2020*380 Aluminium Alloy	1	
Header Corner	2	
M5*12 Screw	4	
M5 Pillar	4	
M5 T Nut	4	



Keep the two sides at the same level during installation

Adjustment of X Axis

20



Attention:

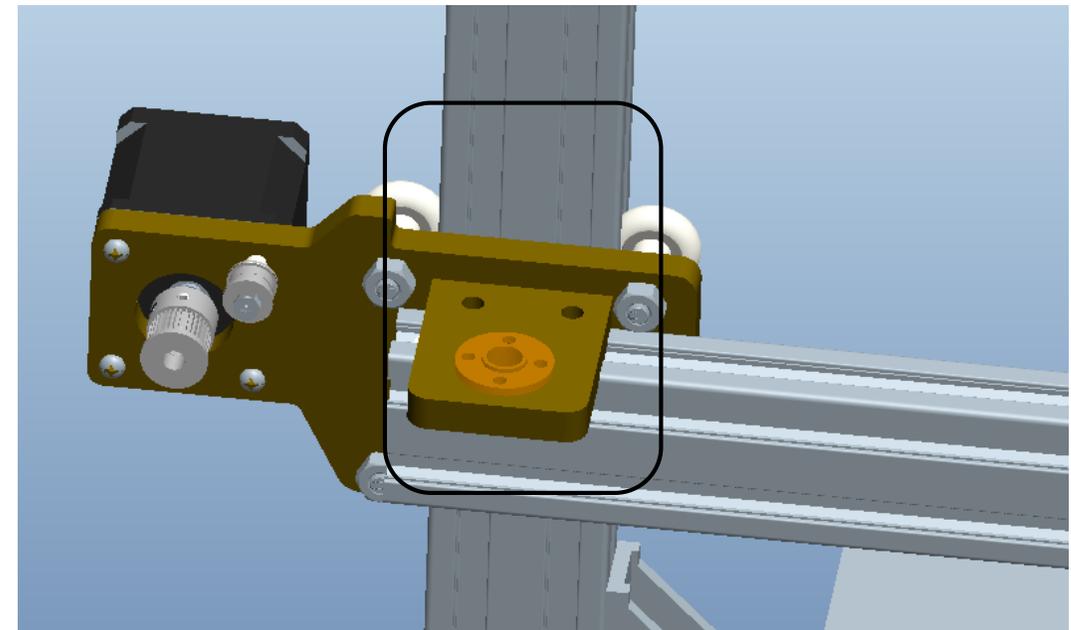
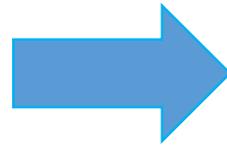
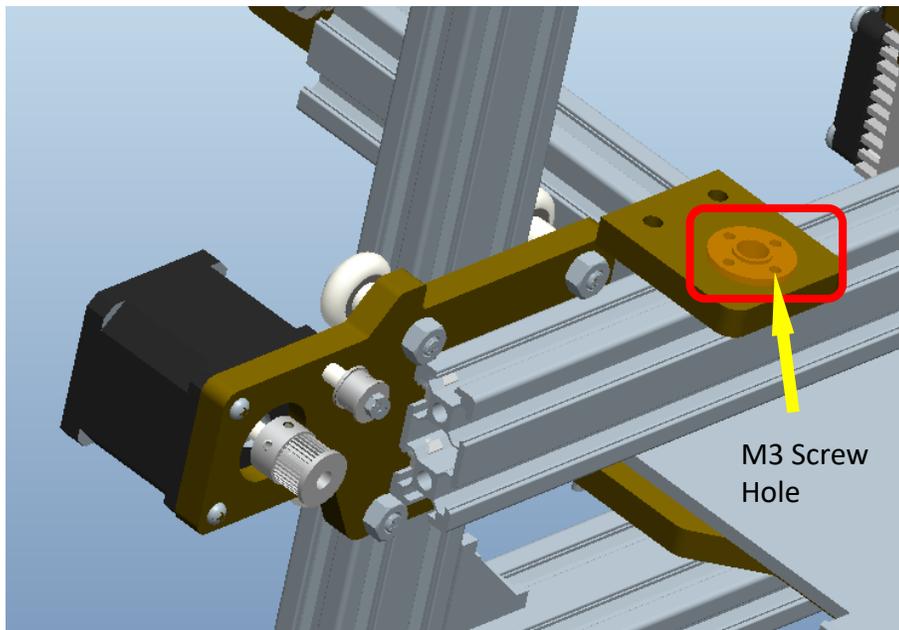
Adjust belt support fixing plate to enable Y axis to move smoothly . Meanwhile lock the 4 nut when it's level. (screws in above)

21

Installation of Brass Nut Fixing Plate

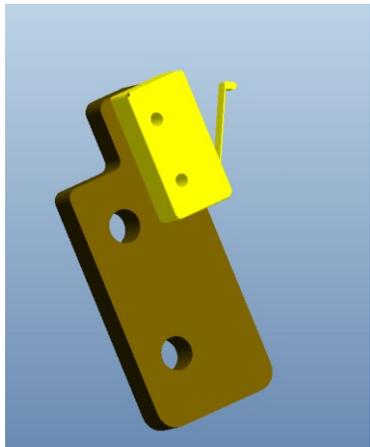
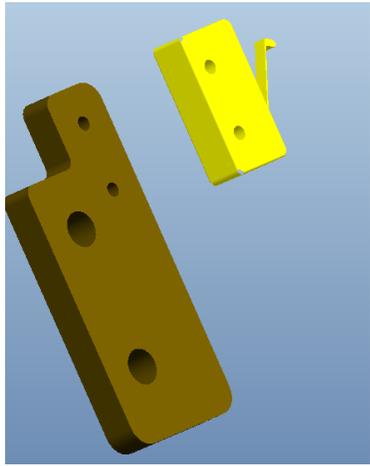
Name	QTY	Note
Z Axis Nut Fixing Plate	1	
M5*14 Scrwe	2	
M5 T Nut	2	
M3*18 Screw	4	
M3 Nut	4	

Keep the both side aluminium profile at the same level during installation

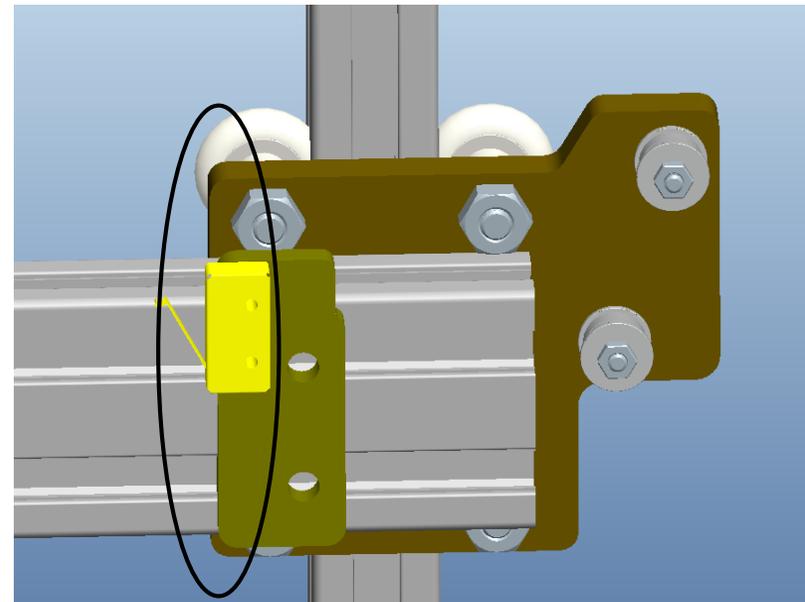


Installation of X Limited Switch

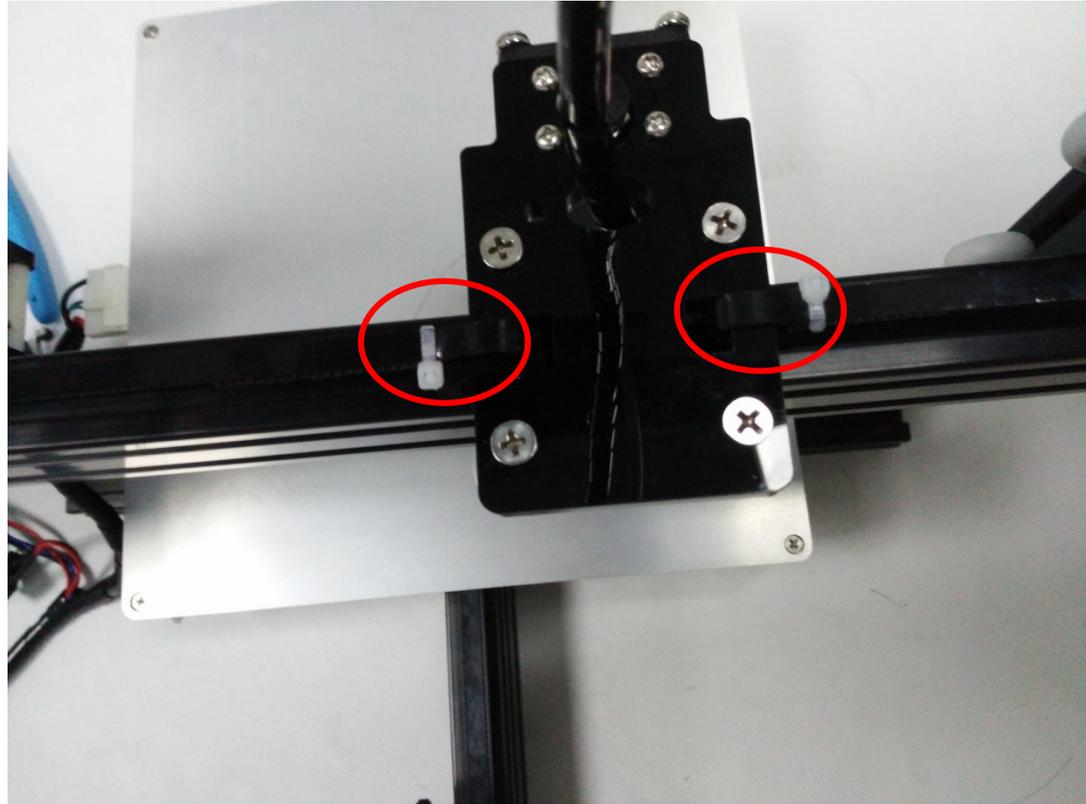
22



Name	QTY	Note
X Limited Switch Fixing Plate	1	
X Limited Switch	1	
M2*12 Self-tapping Screw	2	
M5*12 Scrwe	2	
M5 T Nut	2	



Keep the limited switch fixing plate align at X motor fixing plate

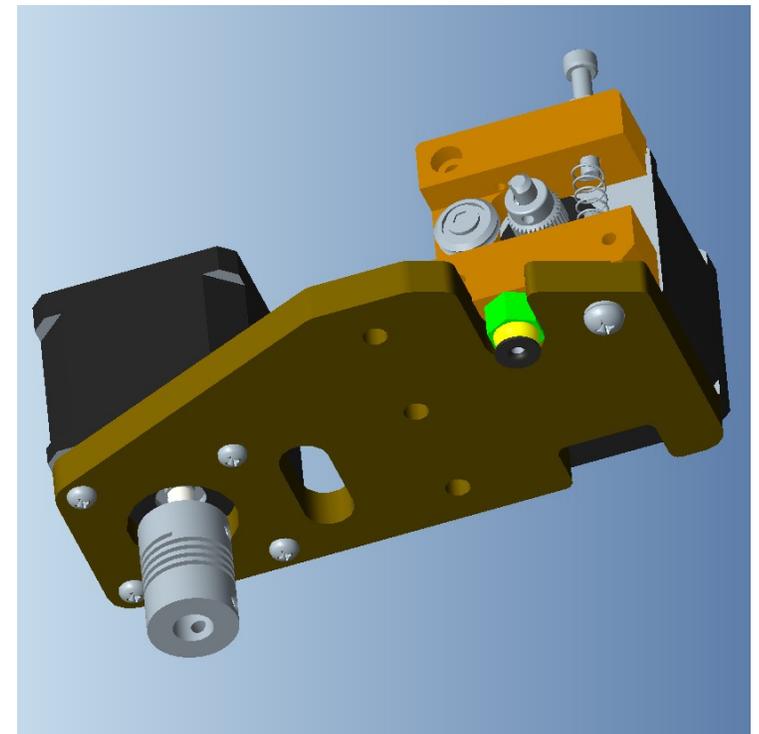
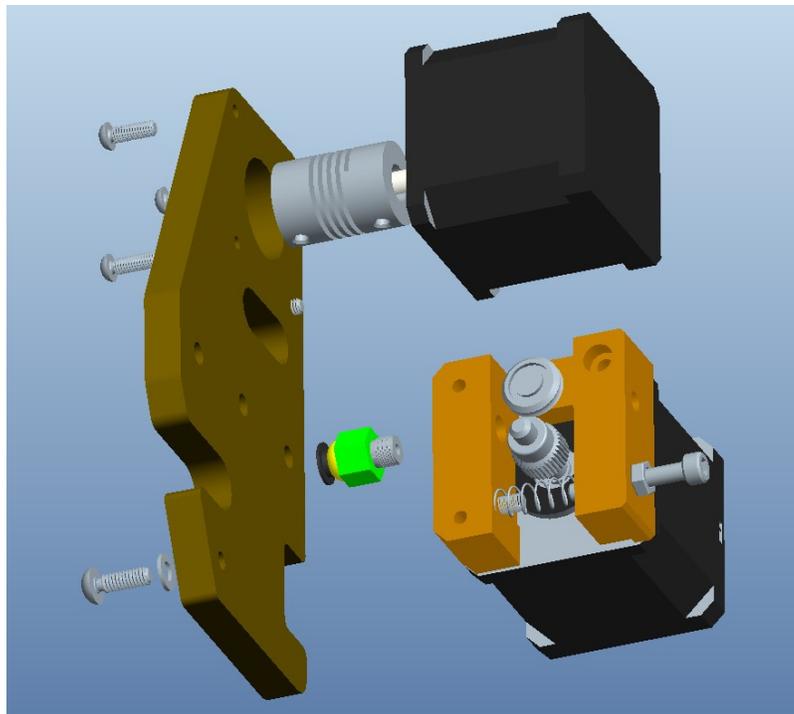


Let belt go through the hole and lock with ribbon.

Installation of Z Motor Fixing Plate

24

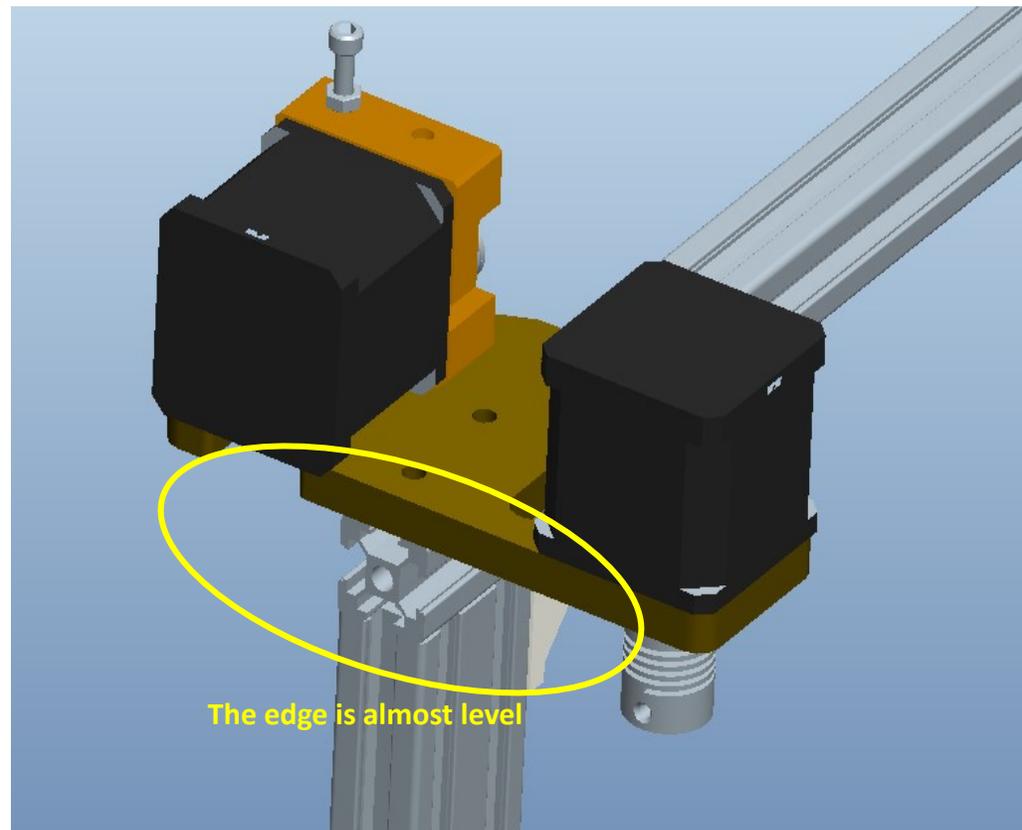
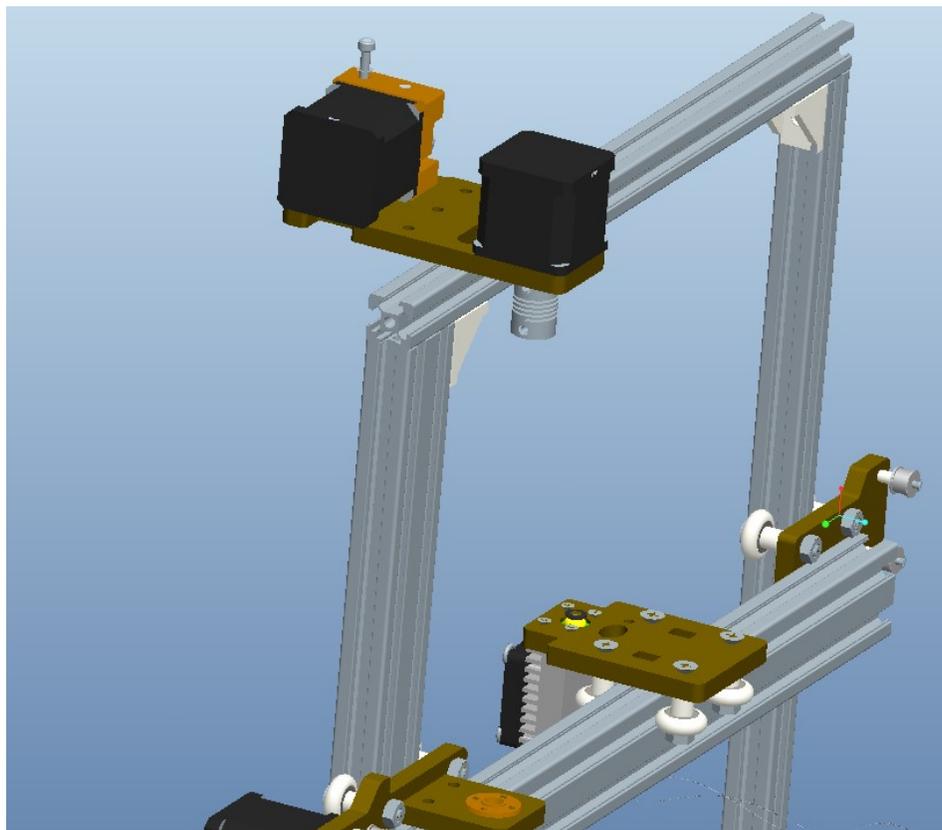
Name	QTY	Note	Name	QTY	Note
Z Motor Fixing Plate	1		M3*12 Screw	4	
Z Motor	1		M4*12 Screw	1	
Feeder	1		Gas-type Fitting	1	



25

Installation of Z Axis Motor Fixing Plate

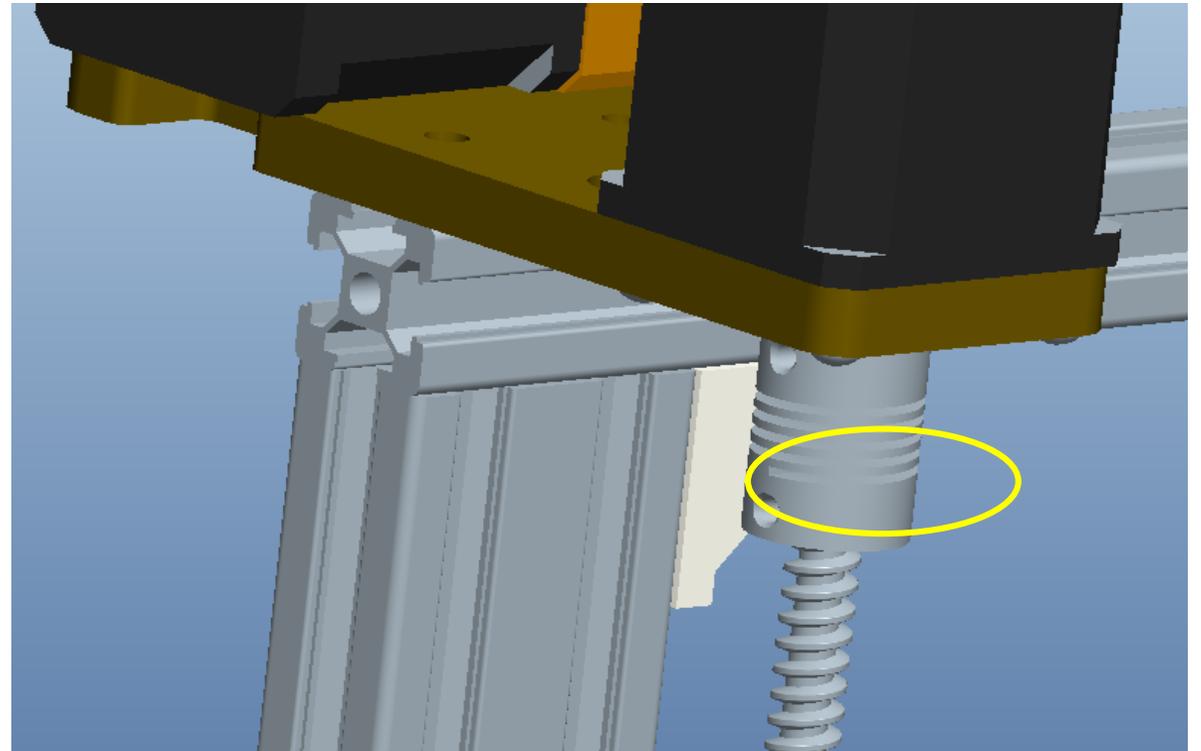
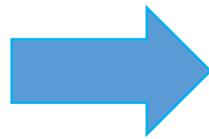
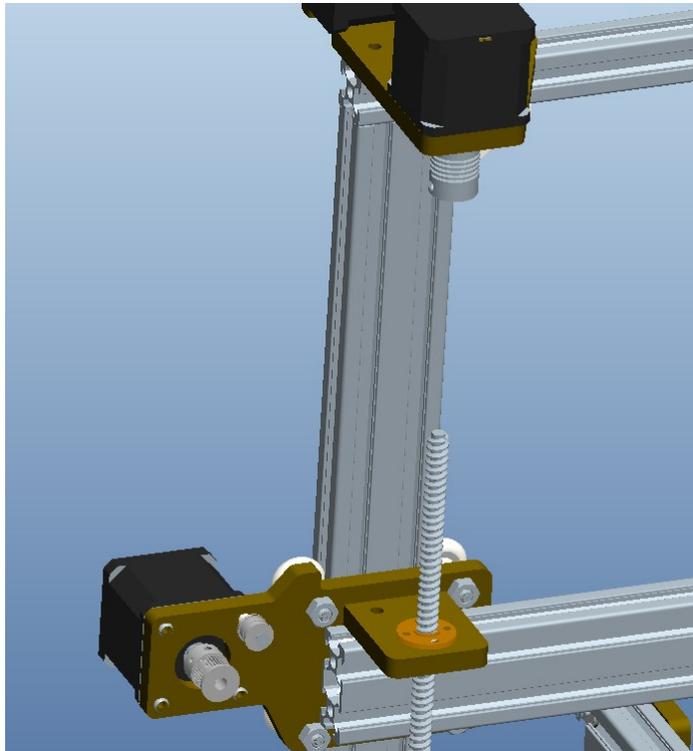
Name	QTY	Note
M5*14 Screw	3	
M5 T Nut	3	



Installation of Z Axis Rod

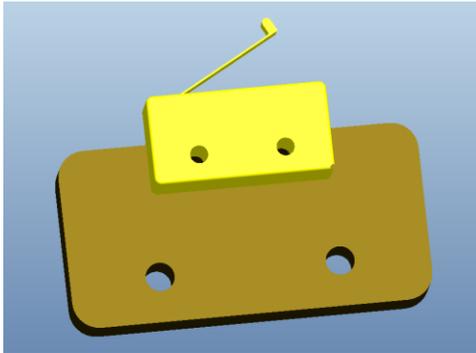
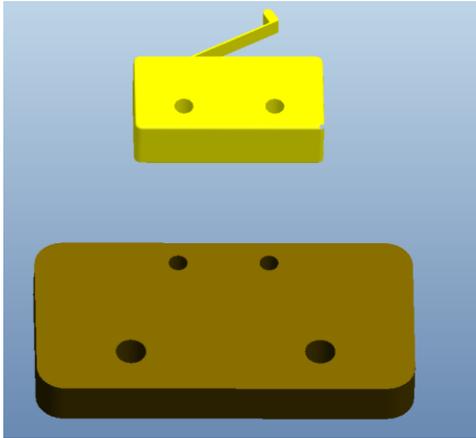
26

Name	QTY	Note
M8 Rod	1	

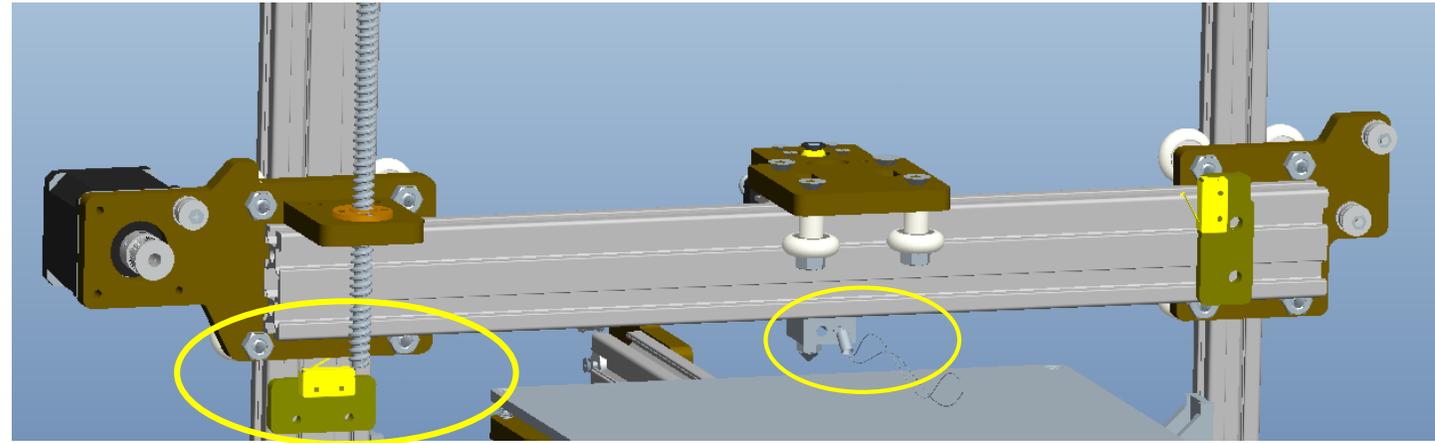


Loose the screw on the coupling , stick rod in and then tighten the screw.

Installation of Z Axis Limited Switch



Name	QTY	Note	Name	QTY	Note
Z Axis Limited Switch Fixing Plate	1		M5*12 Screw	2	
Z Axis Limited Switch	1		M5 T Nut	2	
M2 Self-tapping Screw	2				

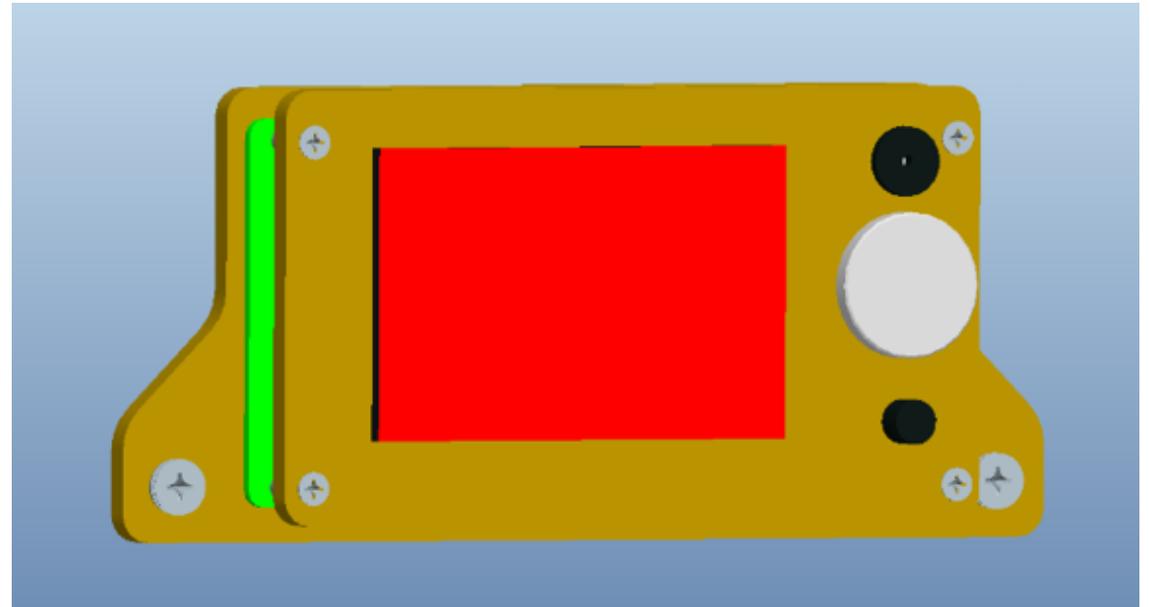
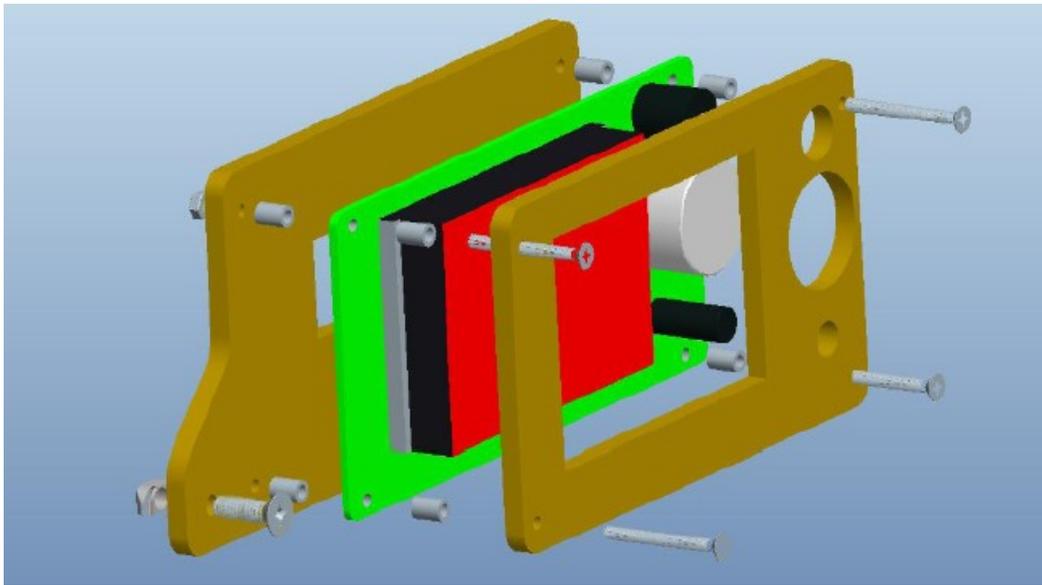


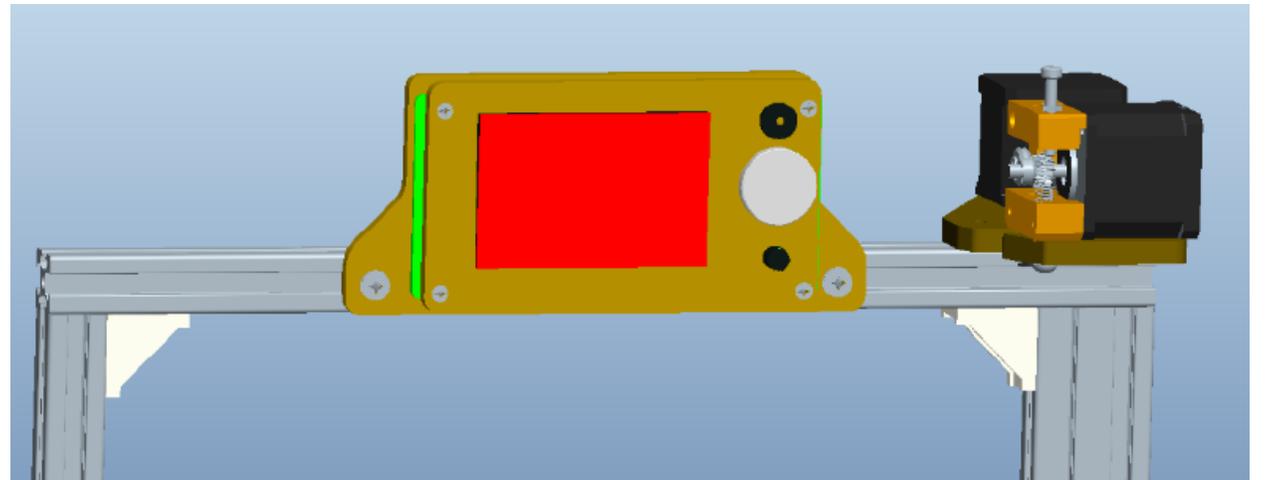
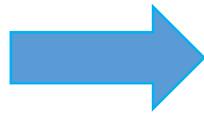
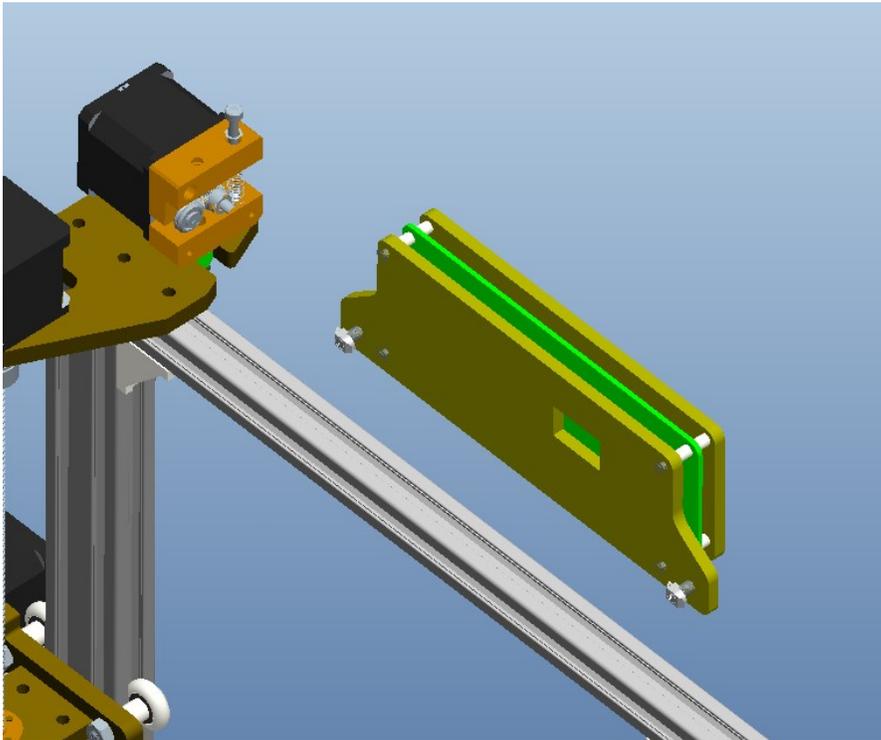
Install the Limited Switch Fixing Plate in the location above

Installation of Screen Fixing Plate

28

Name	QTY	Note	Name	QTY	Note
Screen Fixing Plate	1		M3*7 Pillar	8	
Screen Protecting Plate	1		M3 Nut	4	
12864LCD Screen	1		M5*12 Screw	2	
M3*30 Screw	4		M5 T Nut	2	

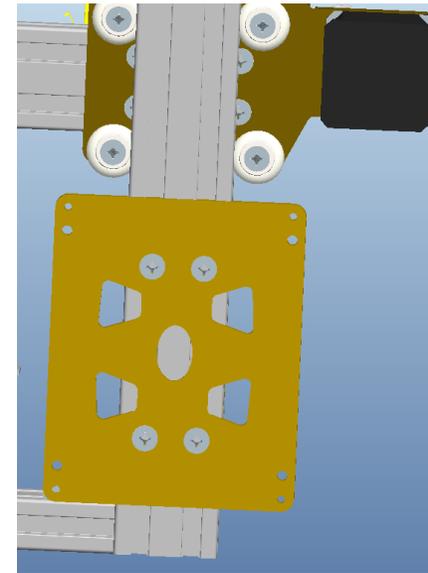
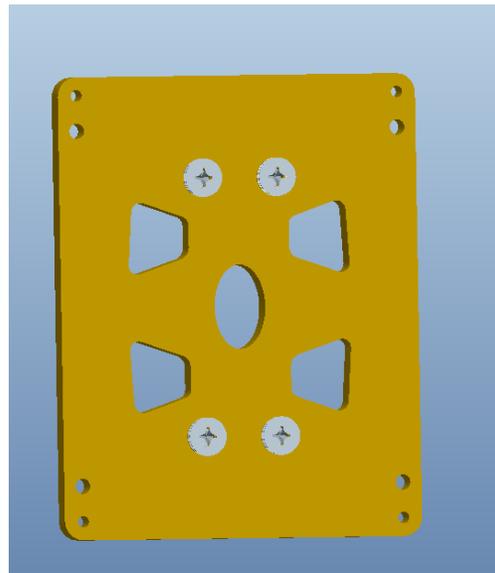
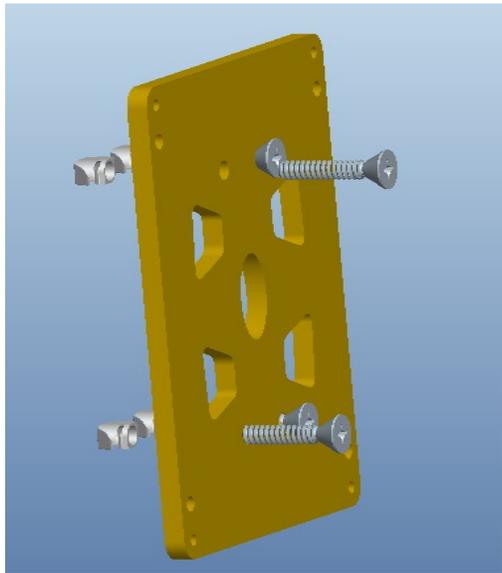




Installation of Mainboard Fixing Plate

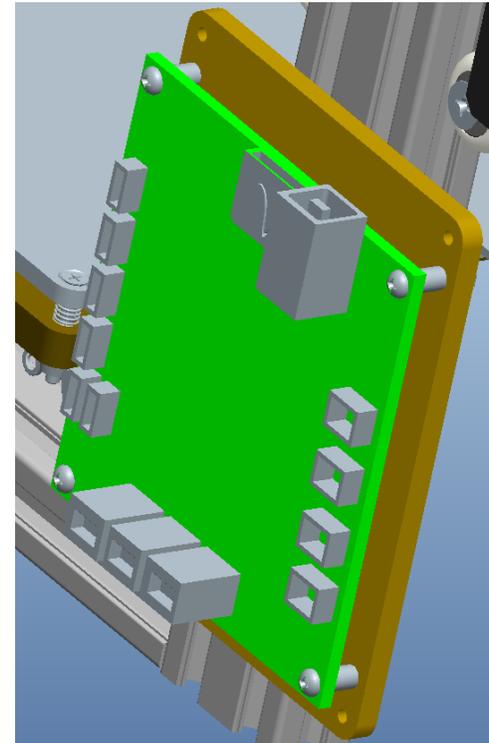
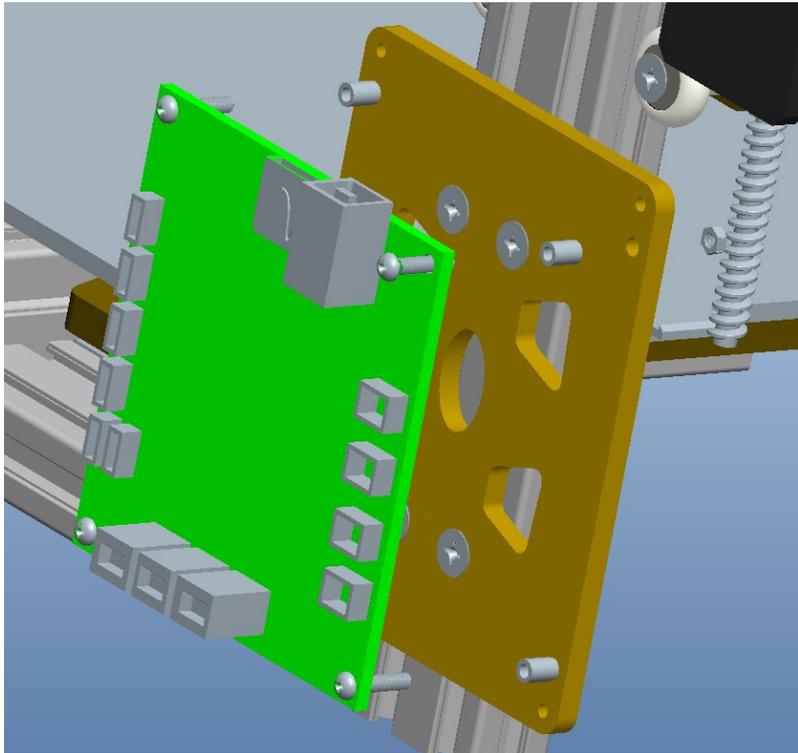
30

Name	QTY	Note
Mainboard Fixing Plate	1	
M5*12 Scrwe	4	
M5 T Nut	4	

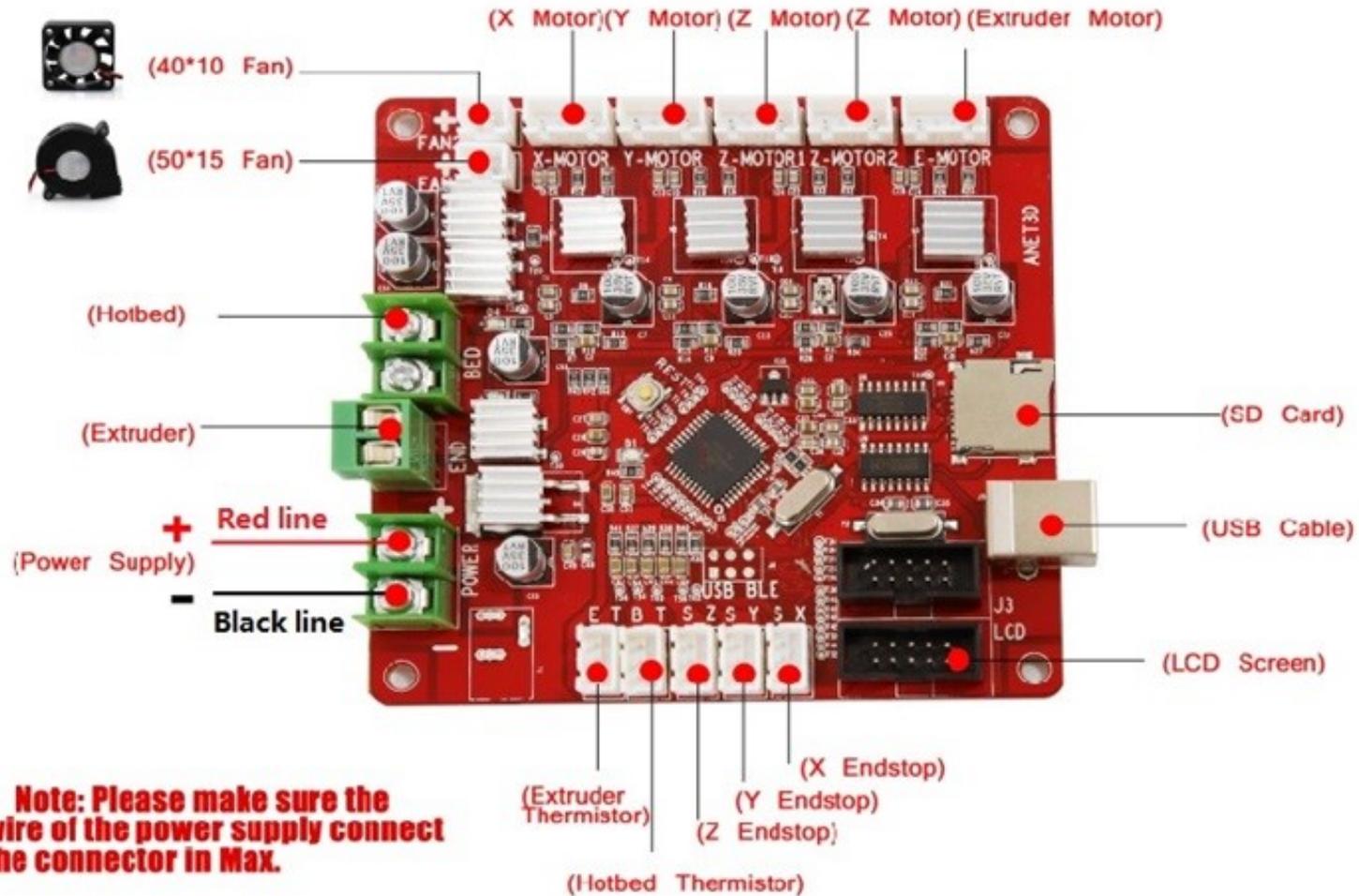


Mainboard Installation

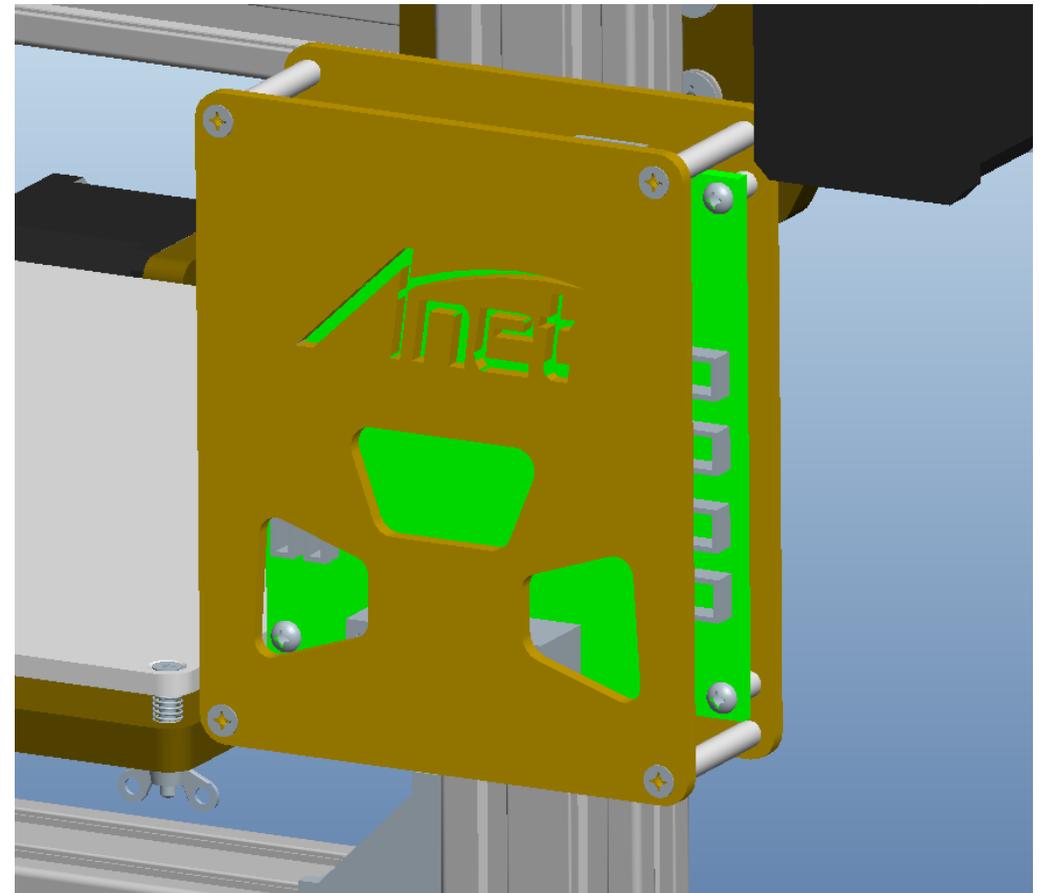
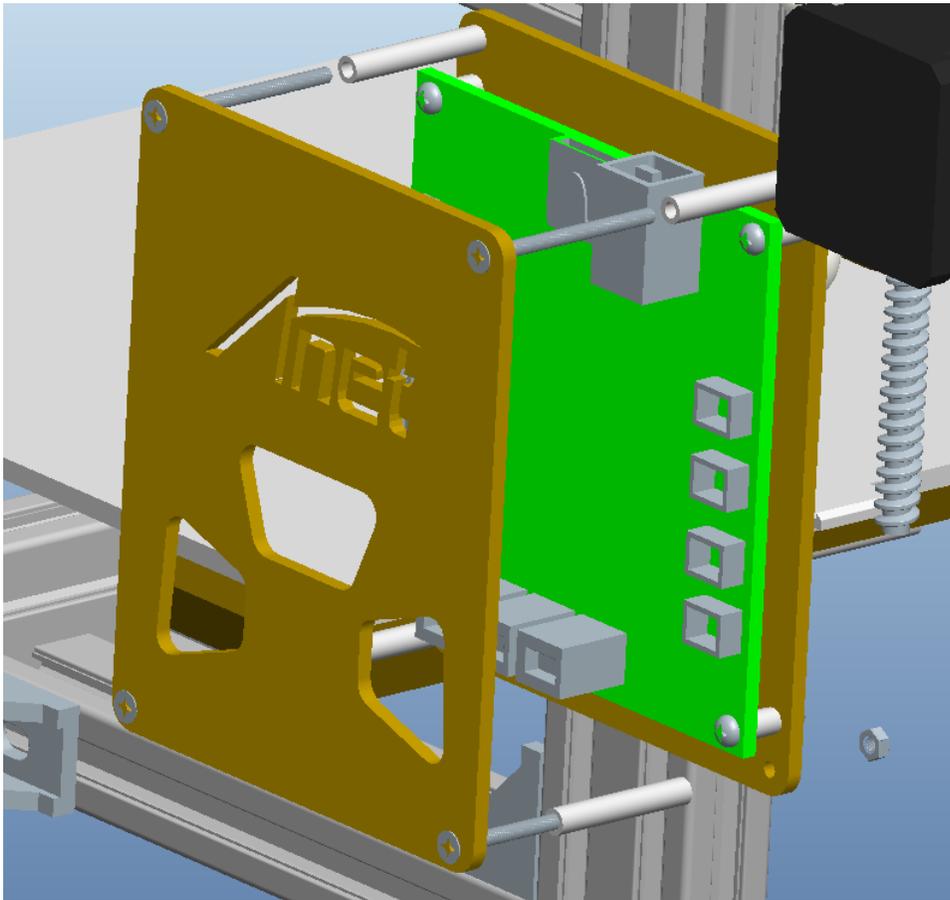
Name	QTY	Note
Mainboard	1	
M3*14 Scrwe	4	
M3*7 Pillar	4	
M3 Nut	4	



Attention: Please connect compenents with corresponding wires

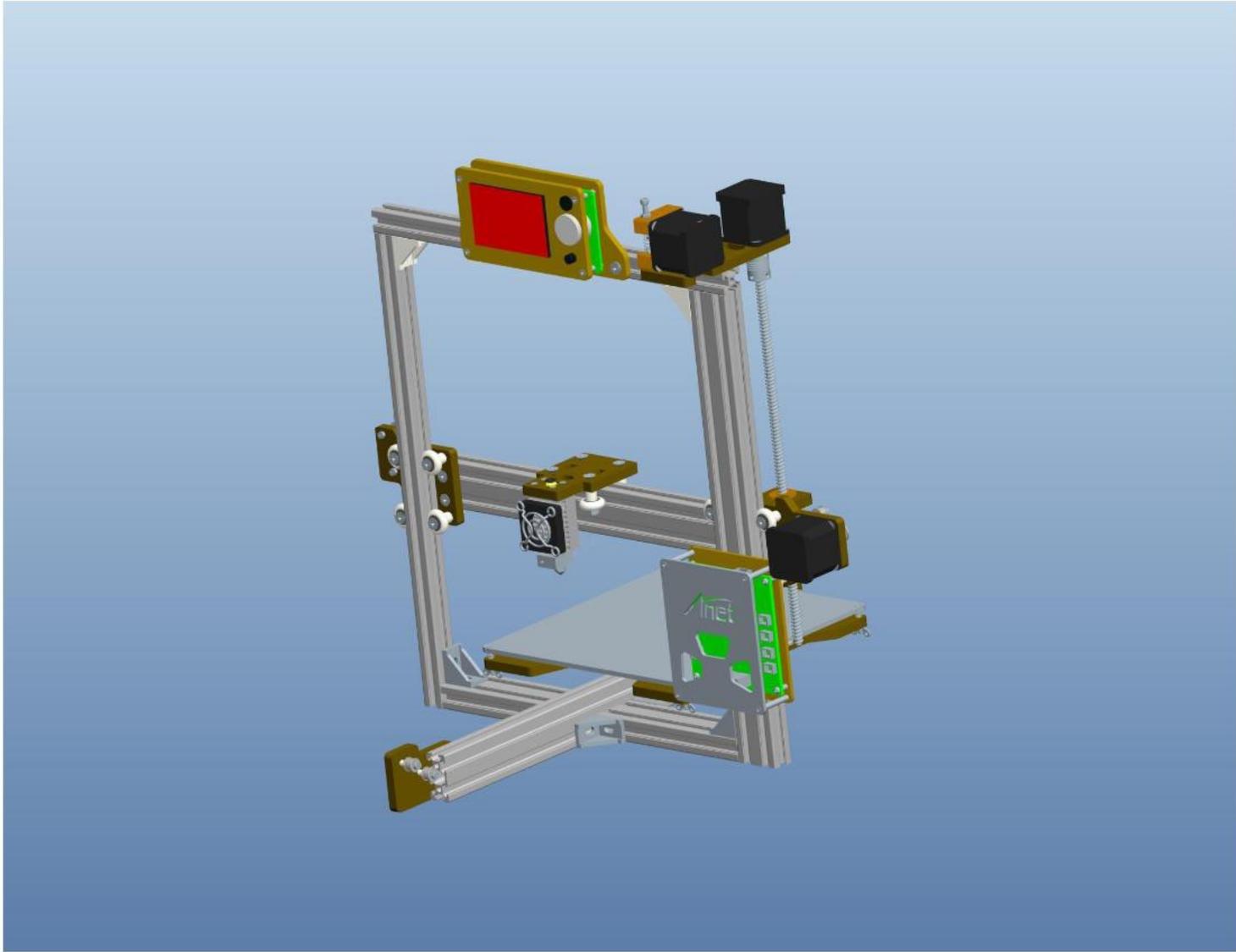


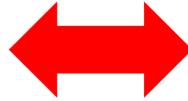
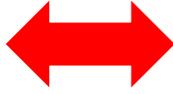
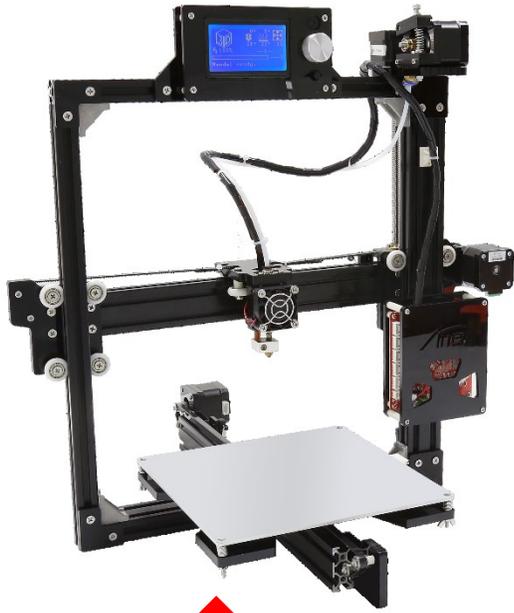
Installation of Mainboard Protecting Plate



Please refer to the picture during connection.
Please ensure you the connection is right!!!







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.