












A2 3D Printer Installation Instruction


























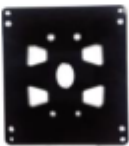


Introduction








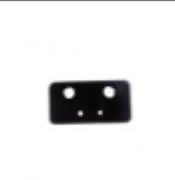




Attention:










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.


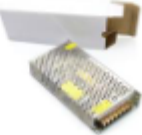
| Item | Picture | Name | QTY | Check | Item | Picture | Name | QTY | Check |
|------|---|--|-----|-------|------|---|------------------------|-----|-------|
| 1-1 |  | X 2040 aluminum profile 400mm *1pcs Y 2040 aluminum profile 400mm *1pcs Left Z 2040 aluminum profile 400mm *1pcs | 3 | | 2-1 |  | Mainboard | 1 | |
| 1-2 |  | Right Z 2020 aluminum profile 400mm | 1 | | 2-2 |  | 12864 LCD Screen | 1 | |
| 1-3 |  | Top 2020 aluminum profile 380mm | 1 | | 2-3 |  | Hotbed Fixing Plate | 1 | |
| 1-4 |  | Bottom 2040 aluminum profile 150mm | 2 | | 2-4 |  | 220mm*220mm*3mm Hotbed | 1 | |
| 1-5 |  | Hotbed wire | 1 | | 2-5 |  | Plastic nippers | 1 | |
| 1-6 |  | T rod M8*318mm Screw rod M8*150 | 1 | | 2-6 |  | 5mm*160mm Screwdriver | 1 | |

| Item | Picture | Name | QTY | Check | Item | Picture | Name | QTY | Check |
|-------|---|--|-----|-------|-------|---|---|-----|-------|
| 1-7 |  | 1.5m USB Wire | 1 | | 2-7 |  | Z Limited Switch(1) 20cm Y Limited Switch(2) 90cm X Limited Switch(3) 90cm Wire Teflon Tube | 1 | |
| 1-8 |  | Contain 10 Parts below | 1 | | 2-8 |  | 1.5m Power Supply Line | 1 | |
| 1-8-1 |  | Spring *4pcs Butterfly nut *4pcs | 1 | | 2-9 |  | Contain 3 Parts below | 1 | |
| 1-8-2 |  | M3*45 Hexagon Socket Screw *4pcs M5 Self-Locking Nut *6pcs Nut *4pcs | 1 | | 2-9-1 |  | 3mm*130mm Screwdriver | 1 | |
| 1-8-3 |  | M5 Flat-head Cross-screw *19pcs | 1 | | 2-9-2 |  | Hex Wrench M1.5 Hex Wrench M2 Hex Wrench M2.5 Hex Wrench M3 | 4 | |
| 1-8-4 |  | T Nut *57pcs | 1 | | 2-9-3 |  | Open Spanner | 1 | |
| 1-8-5 |  | M5 Flat-head Cross-screw *38pcs | 1 | | 2-10 |  | Filament Support Plate | 2 | |

| Item | Picture | Name | QTY | Check | Item | Picture | Name | QTY | Check |
|--------|---|-----------------------|-----|-------|------|---|-----------------------------------|-----|-------|
| 1-8-6 |  | M3*18 Screw *12pcs | 1 | | 2-11 |  | Filament Support Plate Connection | 2 | |
| 1-8-7 |  | M5 Washer *16pcs | 1 | | 2-12 |  | Screen Protector | 1 | |
| 1-8-8 |  | M3*12 Screw *14pcs | 1 | | 2-13 |  | Z Motor Fixing Plate | 1 | |
| 1-8-9 |  | M5*30 Screw *16pcs | 1 | | 2-14 |  | Screen Fixing Plate | 1 | |
| 1-8-10 |  | M3 Nut *26pcs | 1 | | 2-15 |  | Mainboard Fixing Plate | 1 | |
| 1-9 |  | Contain 5 Parts below | 1 | | 2-16 |  | Mainboard Fender | 1 | |

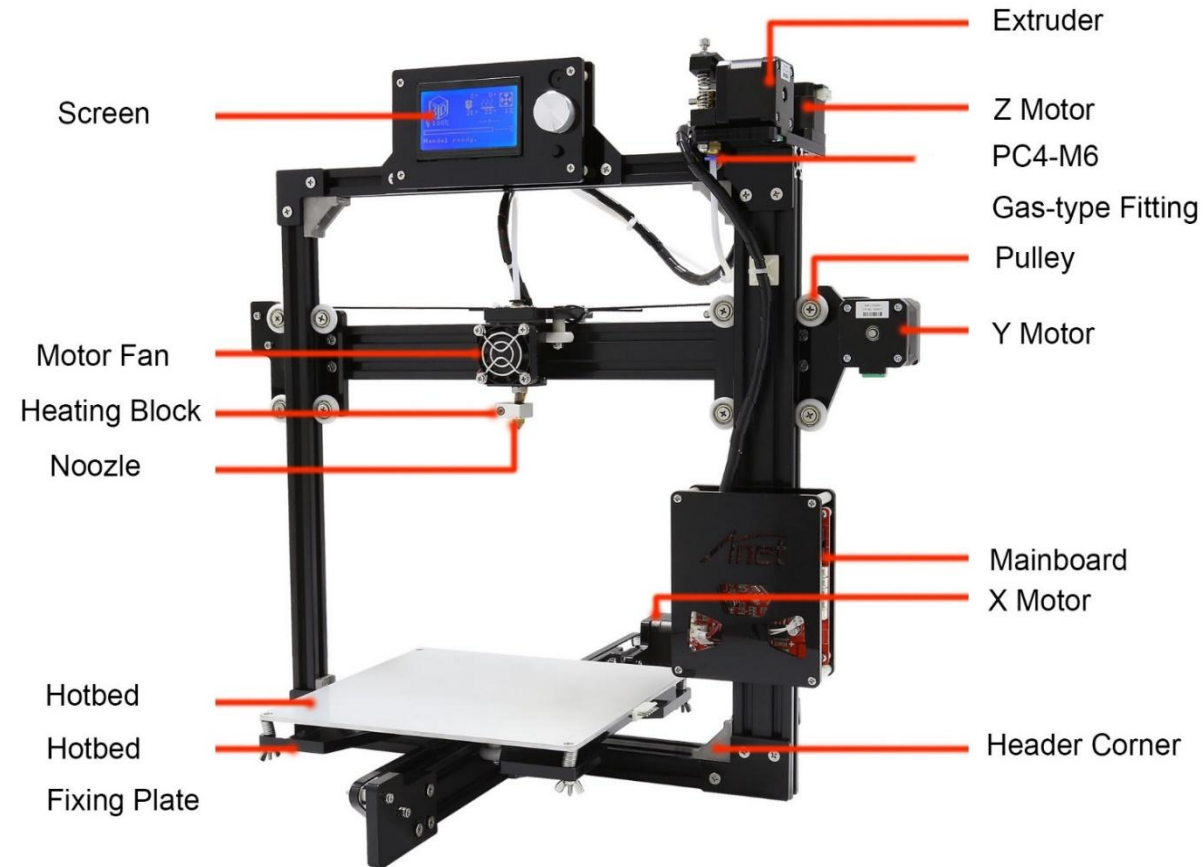
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|-------|---|---|-----|-------|--------|---|----------------------------------|-----|-------|
| 1-9-1 |  | M3*30 Screw *14pcs | 1 | | 2-17 |  | Contain 5 Parts below | 1 | |
| 1-9-2 |  | M5 Nut *16pcs | 1 | | 2-17-1 |  | Aluminium Profile Fixing Plate 1 | 2 | |
| 1-9-3 |  | M3*7*7 Pillar *18pcs M3*7*30 Pillar *4pcs M5*9*10 Pillar *16pcs | 1 | | 2-17-2 |  | Aluminium Profile Fixing Plate 2 | 2 | |
| 1-9-4 |  | Flange bearing *12pcs | 1 | | 2-17-3 |  | Z Limited Switch Fixing Plate | 1 | |
| 1-9-5 |  | Plastic Bearing *16pcs | 1 | | 2-17-4 |  | Y Limited Switch Fixing Plate | 1 | |
| 1-10 |  | Angle Code *8pcs | 1 | | 2-17-5 |  | X Limited Switch Fixing Plate | 1 | |

| Item | Picture | Name | QTY | Check | Item | Picture | Name | QTY | Check |
|------|---|----------------|-----|-------|------|---|-----------------------------|-----|-------|
| 3-1 |  | Nozzle | 1 | | 2-18 |  | Y Motor Fixing Plate | 1 | |
| 3-2 |  | Extruder Motor | 1 | | 2-19 |  | Brass Nut Fixing Plate | 1 | |
| 3-3 |  | X Motor | 1 | | 2-20 |  | X Belt Bearing Fixing Plate | 1 | |
| 3-4 |  | Y Motor | 1 | | 2-21 |  | Y Belt Bearing Fixing Plate | 1 | |
| 3-5 |  | Z Motor | 1 | | 2-22 |  | X Motor Fixing Plate | 1 | |
| 3-6 |  | 2.4m Belt | 1 | | 2-23 |  | Extruder Fixing Plate | 1 | |

| Item | Picture | Name | QTY | Check | Item | Picture | Name | QTY | Check |
|-------|---|-----------------------|-----|-------|------|--|---|-----|-------|
| 3-7 |  | Contain 4 Parts Below | 1 | | 2-24 |  | 8GB TF Card Card Reader | 1 | |
| 3-7-1 |  | Spool *3m | 1 | | 2-25 |  | Flat seal 30cm | 1 | |
| 3-7-2 |  | Ribbon | 12 | | 2-26 |  | 1.5m Power Supply Line | 1 | |
| 3-7-3 |  | R Clip | 3 | | 2-27 |  | Y Motor Wire Winding 90cm X Motor Wire Winding 40cm Z Motor Wire Winding 40cm Filament Feeder Wire Winding 40cm | 1 | |
| 3-7-4 |  | Locating Plate | 2 | | 2-28 |  | 12V 240W Power Supply | 1 | |

Please check printer parts quantity when you receive it .

Components Name



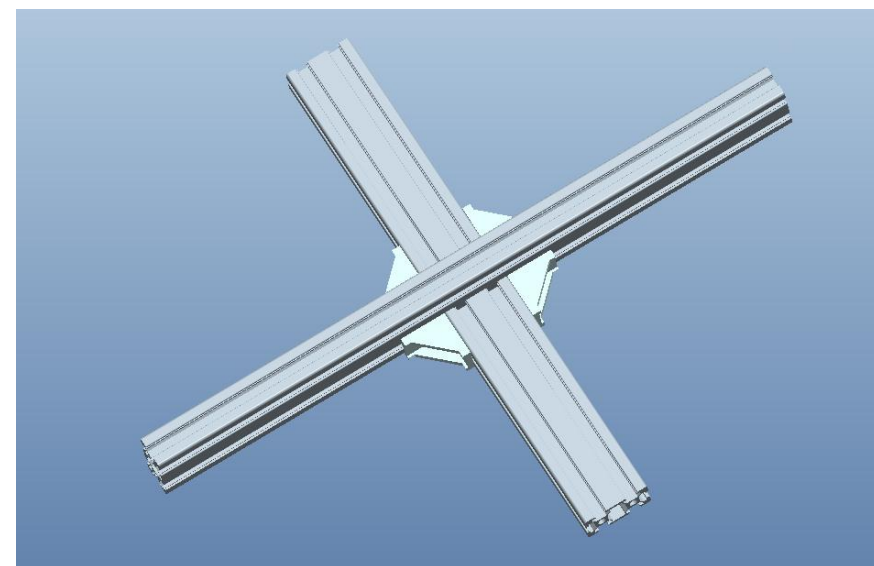
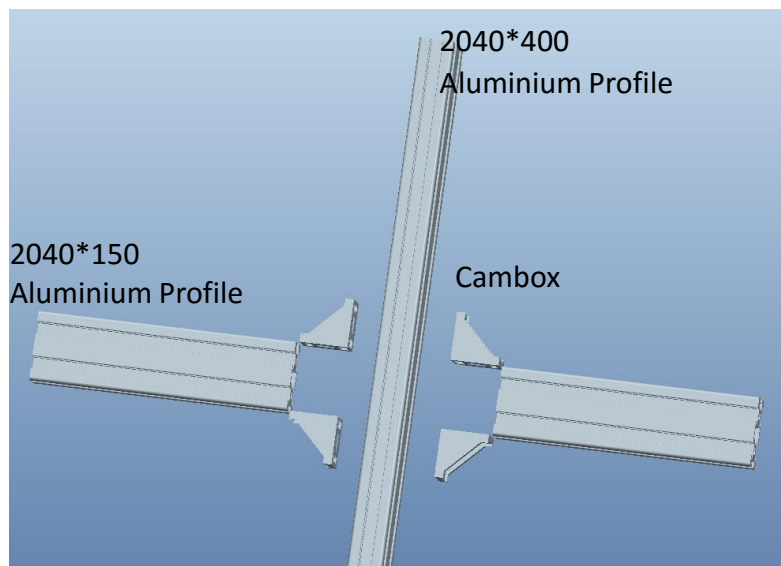
01

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.

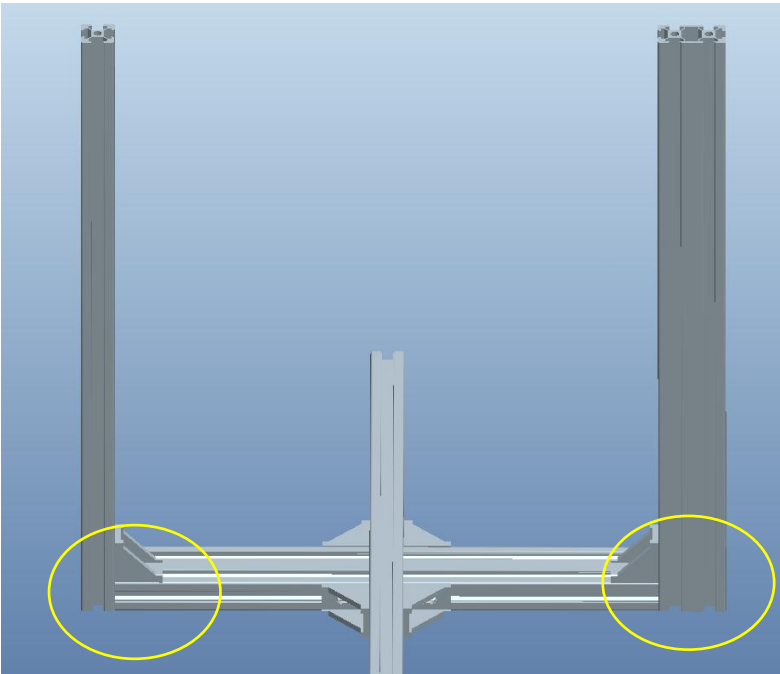
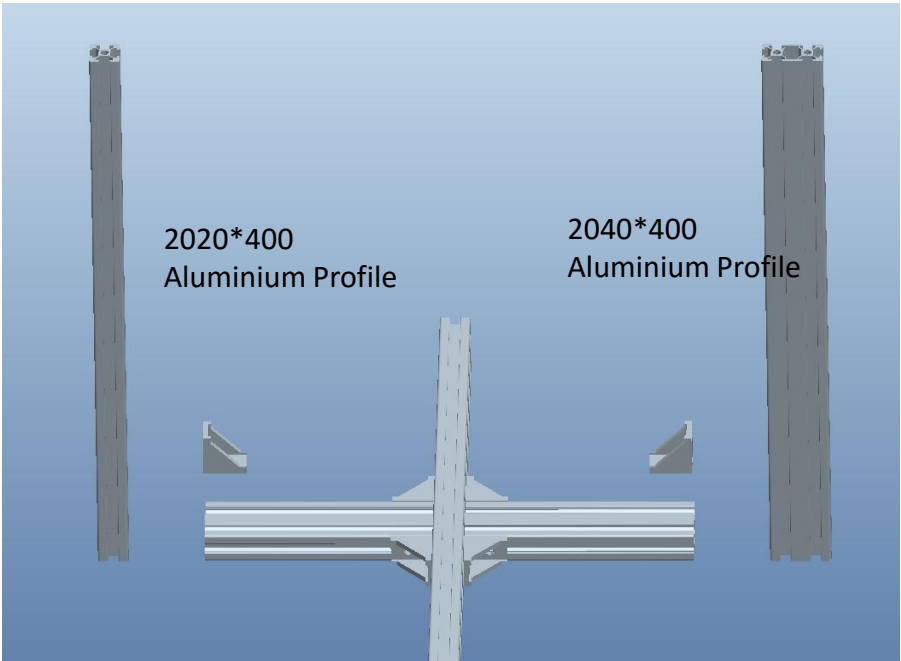
| Name | QTY | Note |
|-------------------------------|-----|------|
| 2040*150 Aluminium Profile | 2 | |
| 2040*400 Aluminium Profile | 1 | |
| Header Corner | 4 | |
| M5*12 Screw | 8 | |
| M5 Pillar | 8 | |
| M5 T Nut | 8 | |



Installation of Left & Right Aluminium Profile

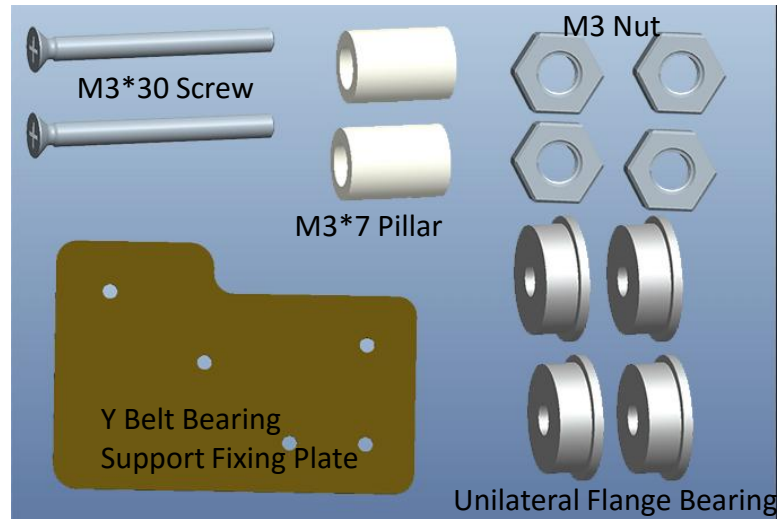
02

| 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 | |

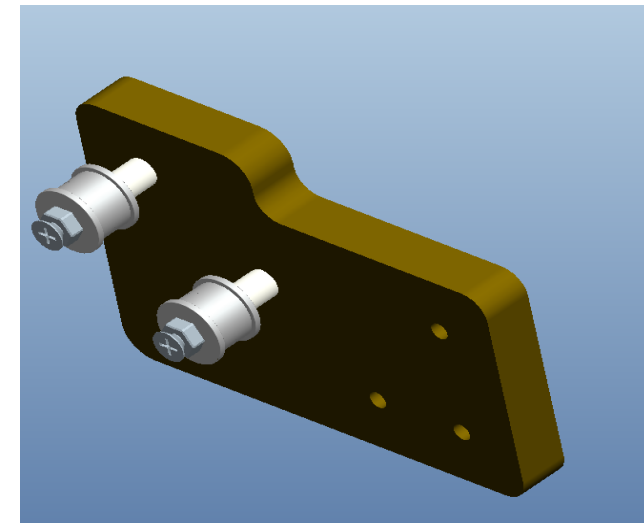
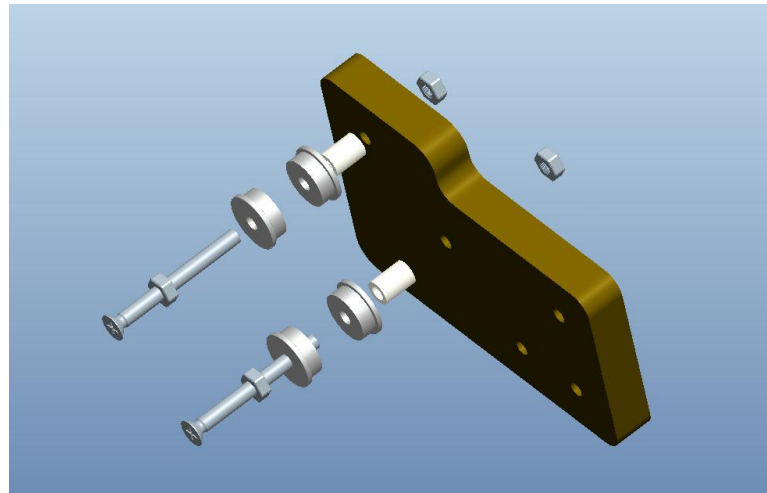


03

Installation of Y Belt Bearing Support Fixing Plate

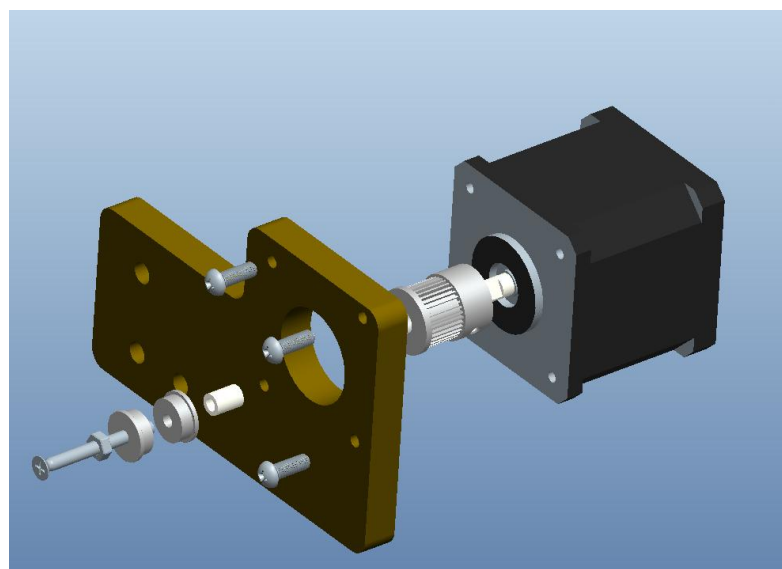
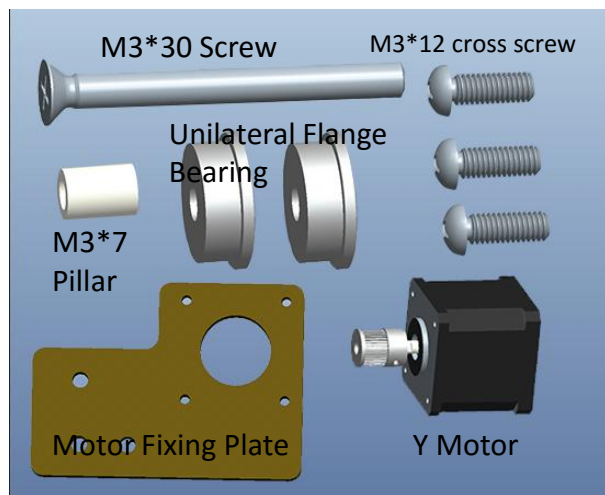


| Name | QTY | Note |
|-------------------------------------|-----|------|
| Y Belt Bearing Support Fixing Plate | 1 | |
| M3*30 Screw | 2 | |
| M3 Nut | 4 | |
| M3*7 Pillar | 2 | |
| Unilateral Flange Bearing | 4 | |

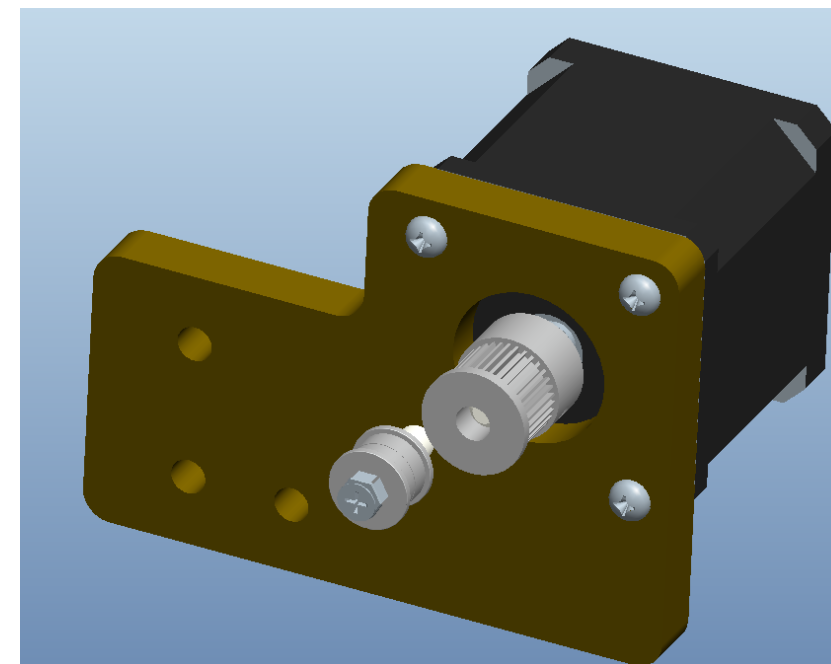


Installation of Y Motor Fixing Plate

04

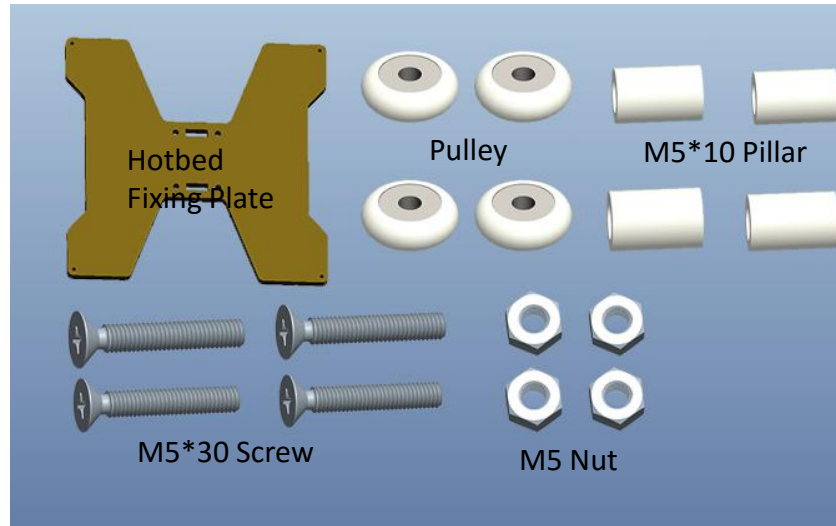


| Name | QTY | Note |
|---------------------------|-----|------|
| Y Motor Fixing Plate | 1 | |
| Y Motor | 1 | |
| M3*30 Scrwe | 1 | |
| Unilateral Flange Bearing | 2 | |
| M3*7 Pillar | 1 | |
| M3*12 cross screw | 3 | |

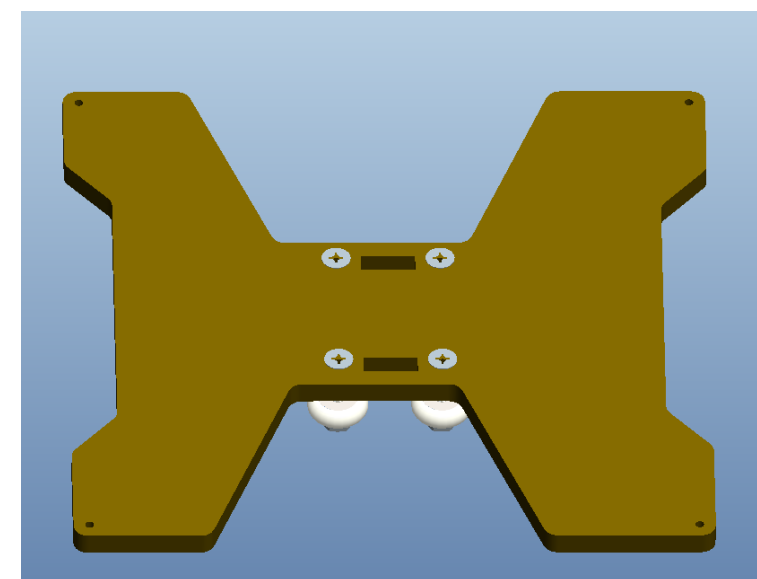
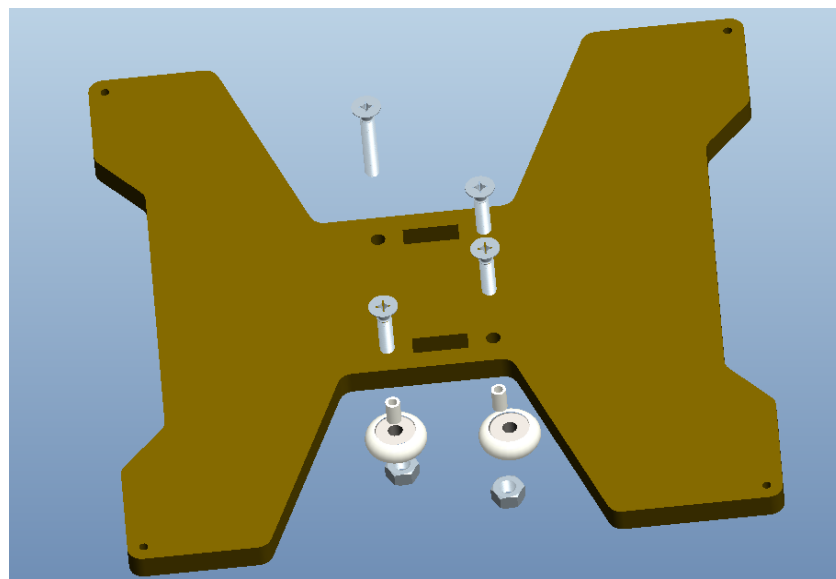


05

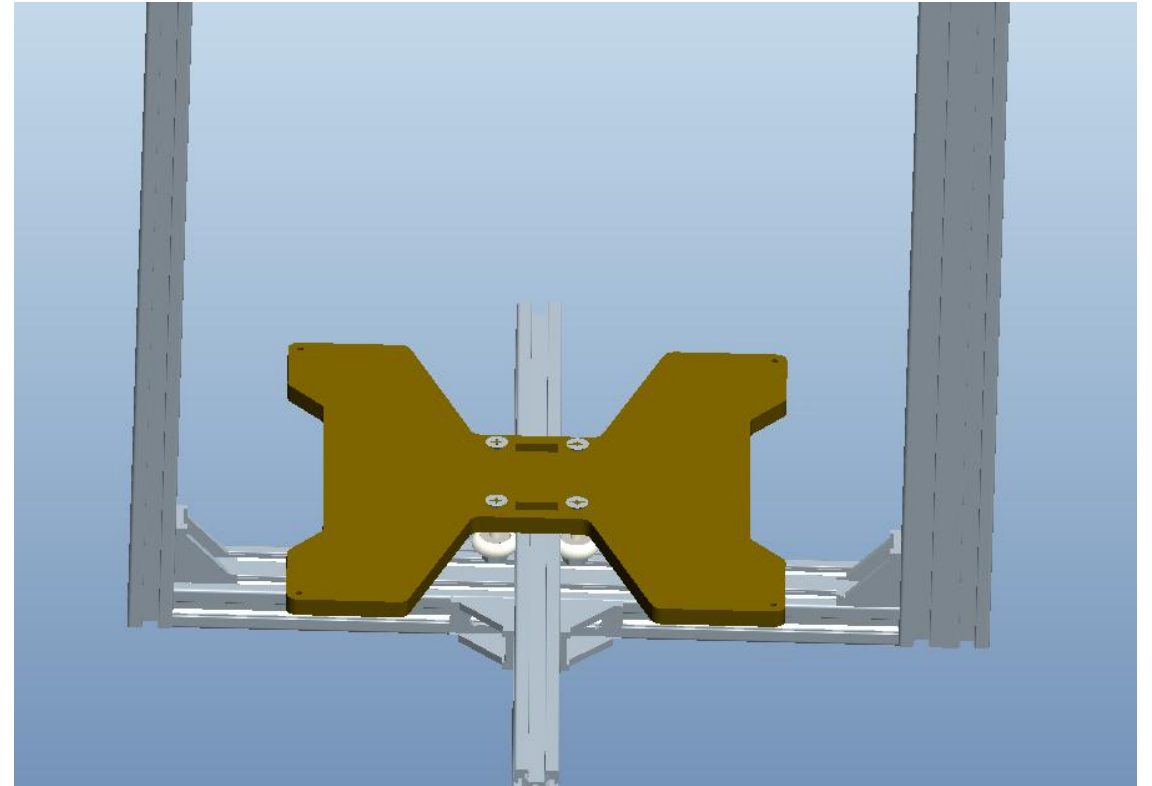
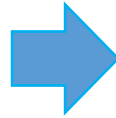
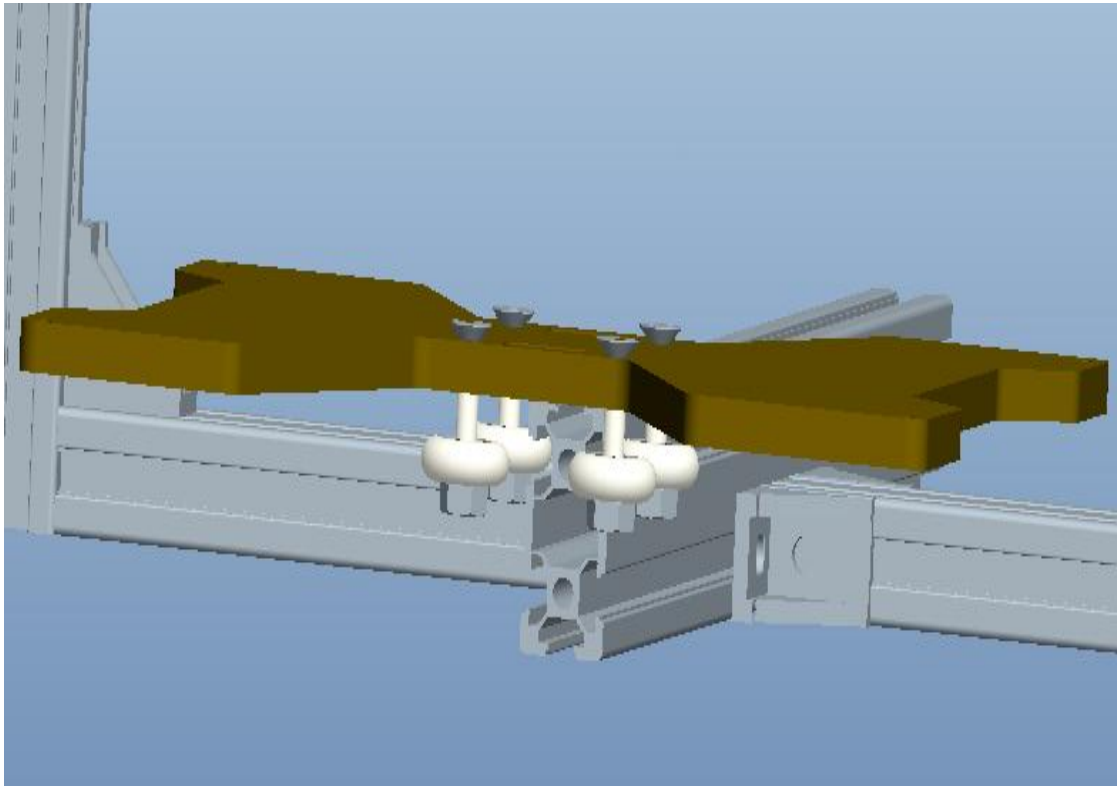
Installation of Hotbed Fixing Plate



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

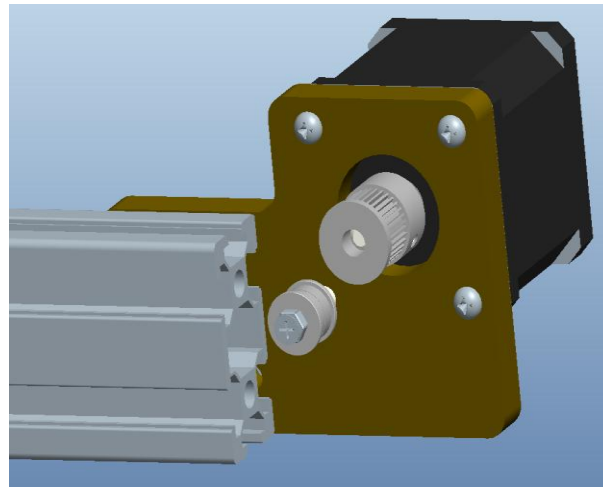
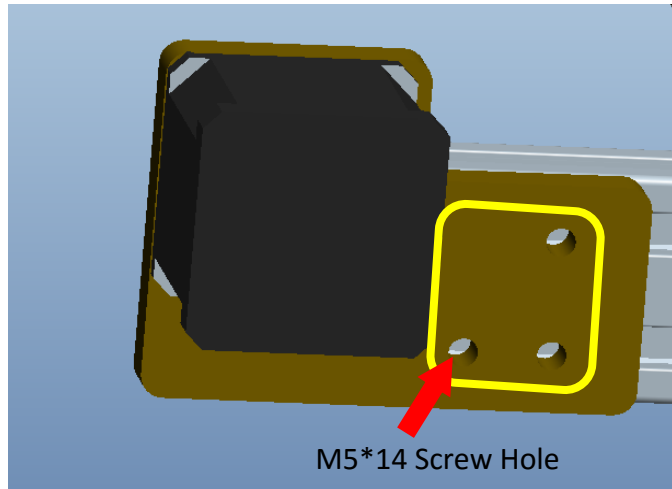
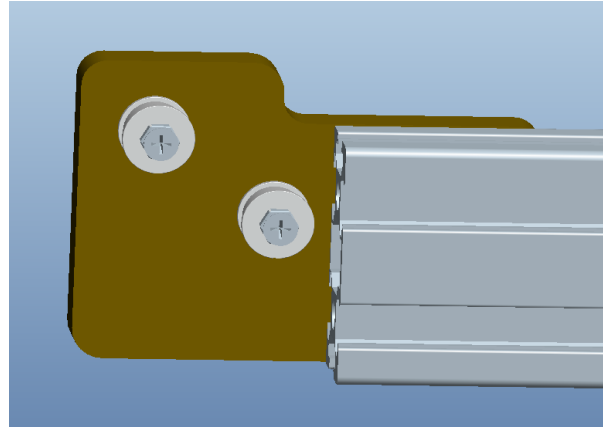
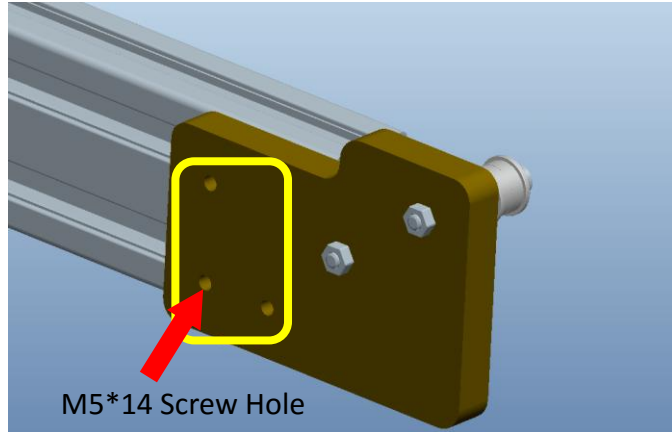


Pay attention to the Fluency , if it's not smooth enough please adjust the degree of screw tightness



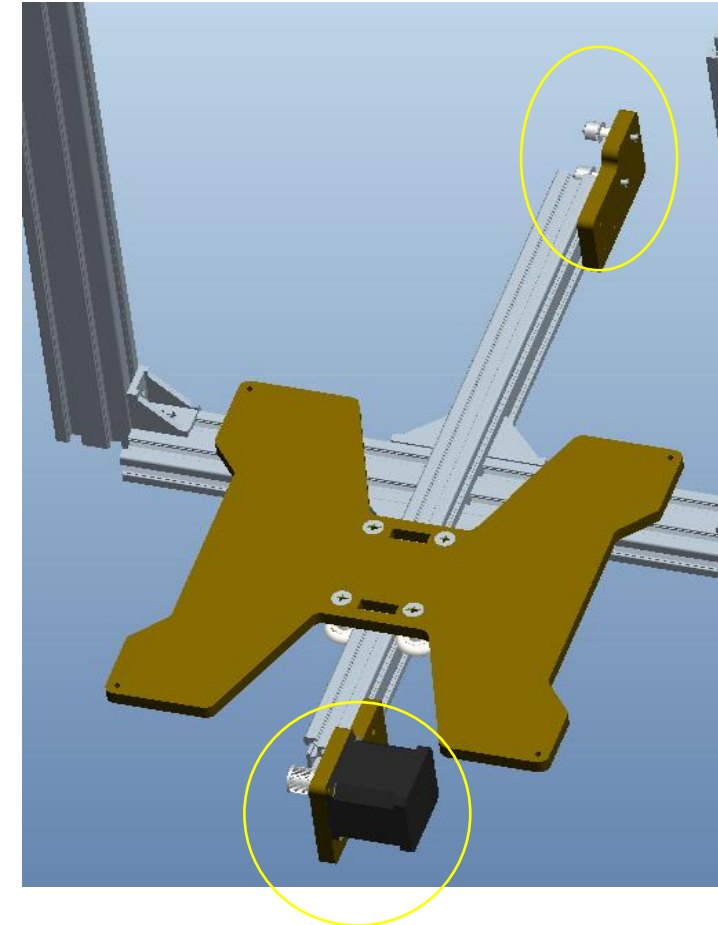
07

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

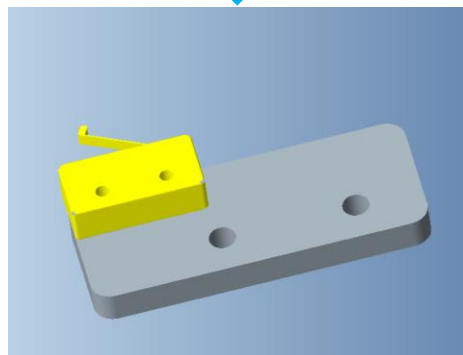
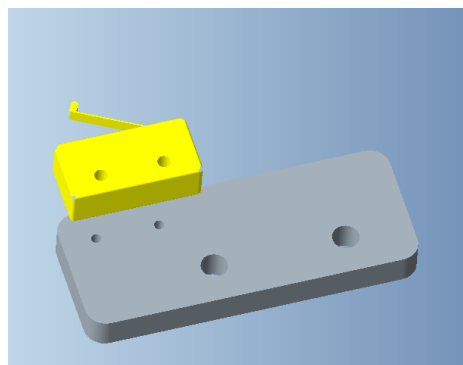


Installation of Y

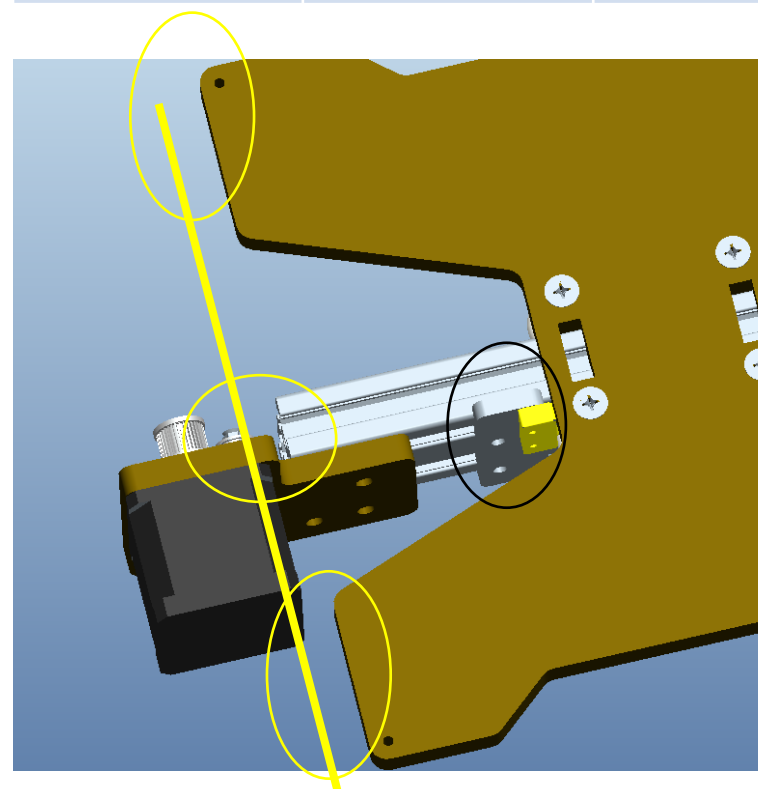
08

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.

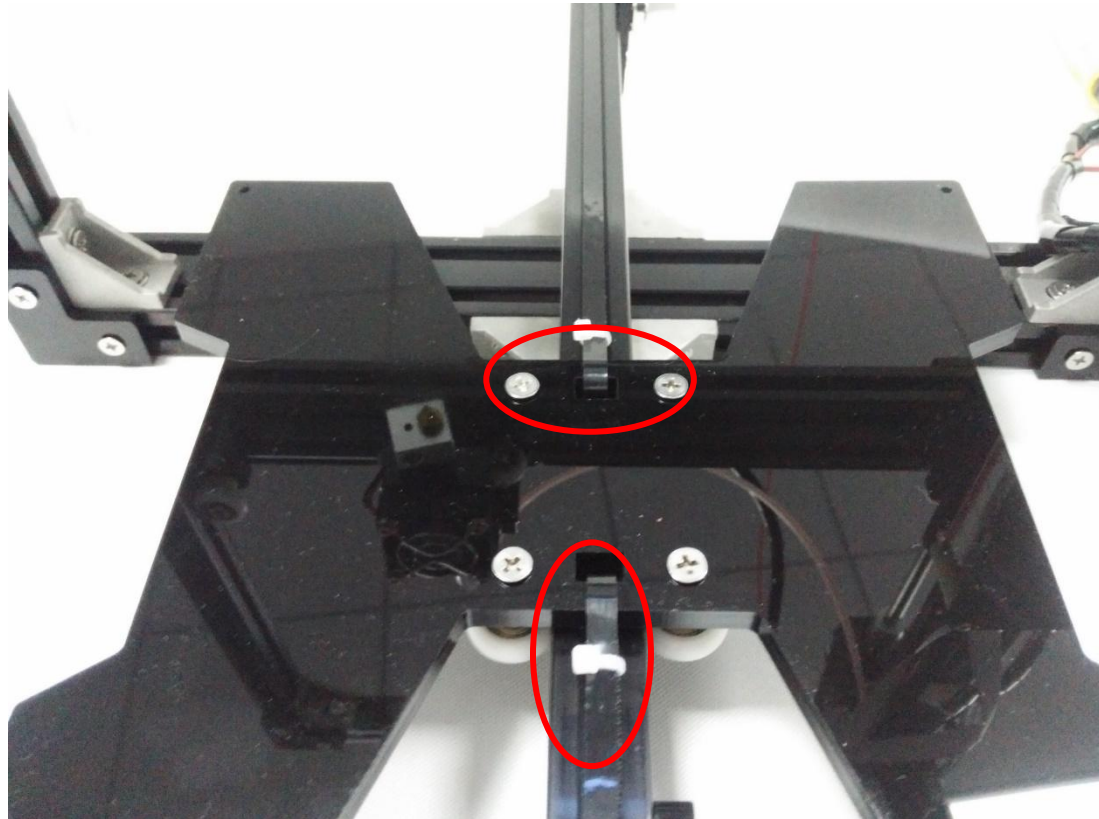


| Name | QTY | Note |
|-------------------------------|-----|------|
| Y Limited Switch Fixing Plate | 1 | |
| Y Limited Switch | 1 | |
| M2 Self-tapping Screw | 2 | |
| M5*12 Screw | 2 | |
| M5 T Nut | 2 | |



09

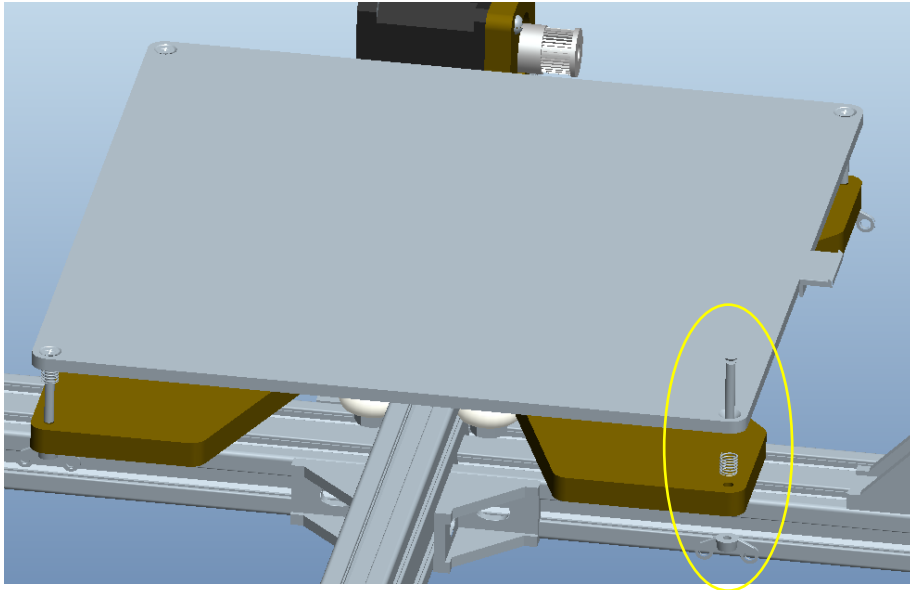
Installation of Y Axis Belt



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

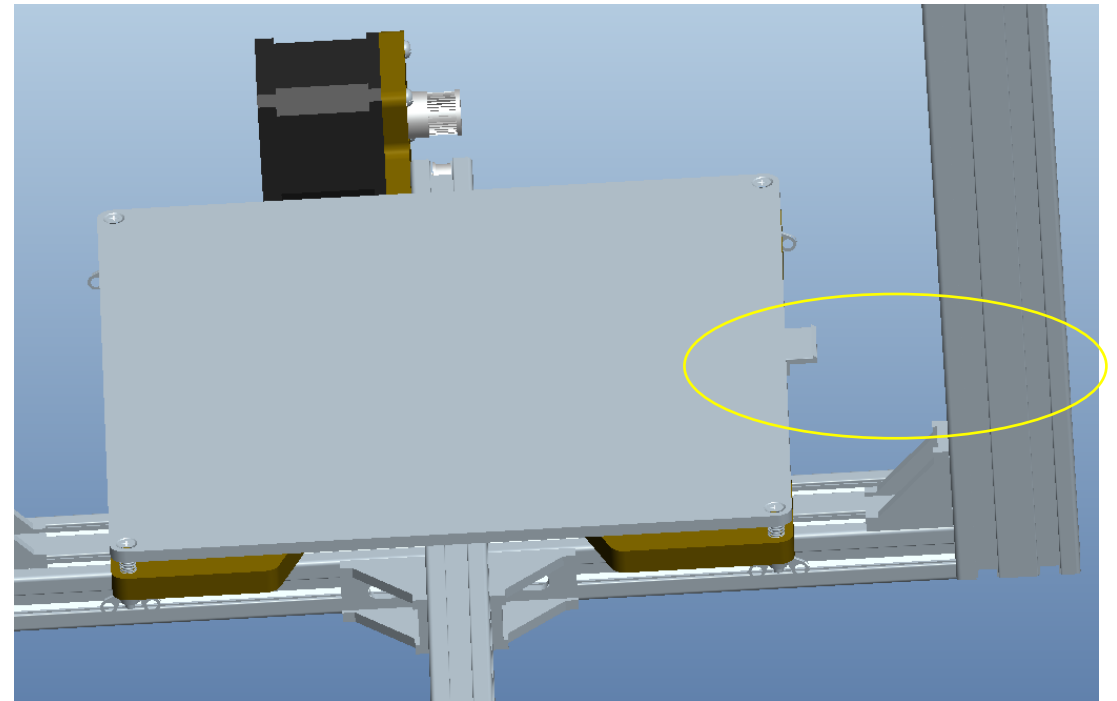
Installation of Hotbed

10

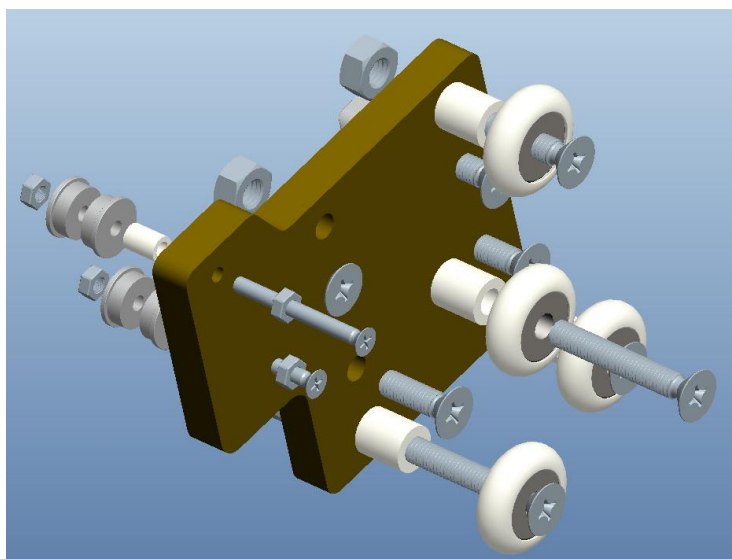
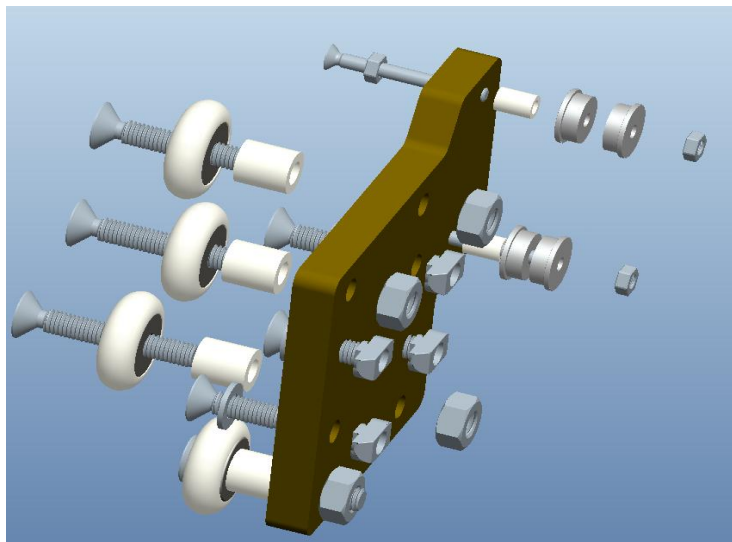


Press the Spring during installation

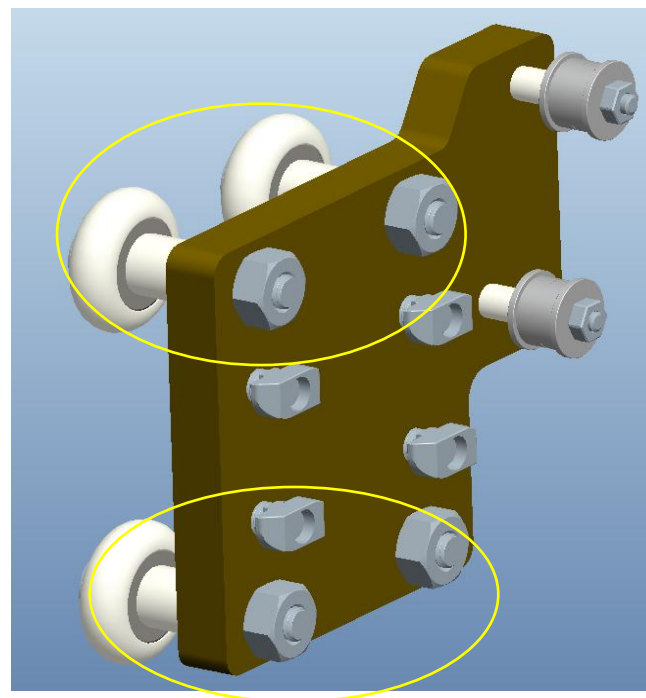
| Name | QTY | Note |
|---------------------------|-----|--------------------------------------|
| 220*220 Aluminium Profile | 1 | Let the yellow paper side on the top |
| M3*30 Screw | 4 | |
| M3 Butterfly Nut | 4 | |
| Spring | 4 | |



Direction of Aluminium Profile



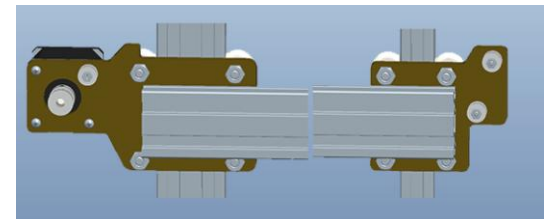
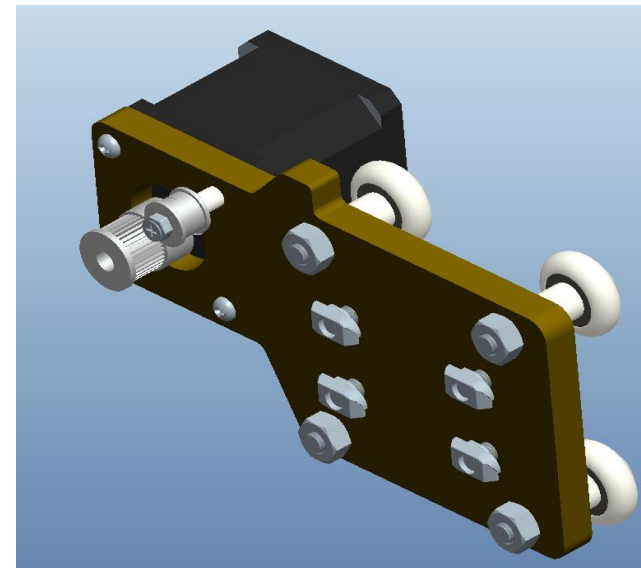
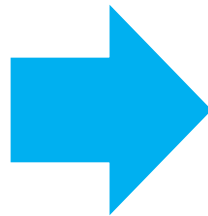
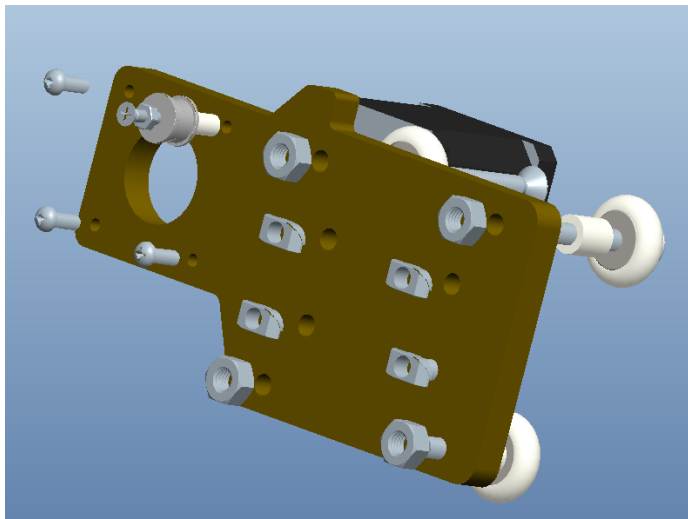
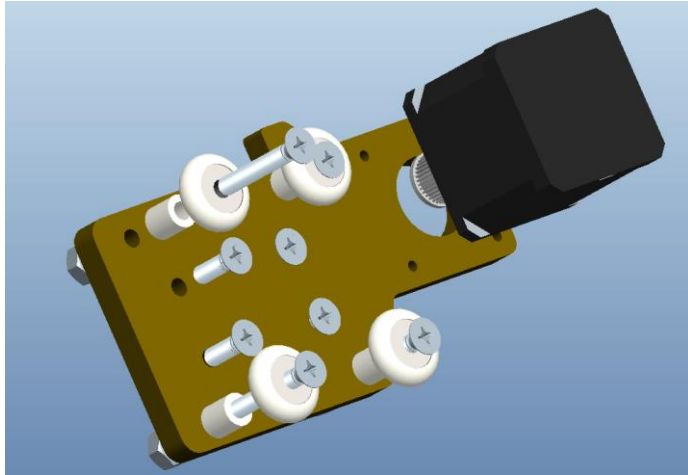
| Name | QTY | Note | Name | QTY | Note |
|-----------------------------|-----|------|-----------------|-----|------|
| X Belt Bearing Fixing Plate | 1 | | M5 T Nut | 4 | |
| M5*30 Screw | 4 | | M3 Nut | 4 | |
| M5*14 Screw | 4 | | M5*10 Pillar | 4 | |
| M3*30 Screw | 2 | | M3*7 Pillar | 2 | |
| M5 Nut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

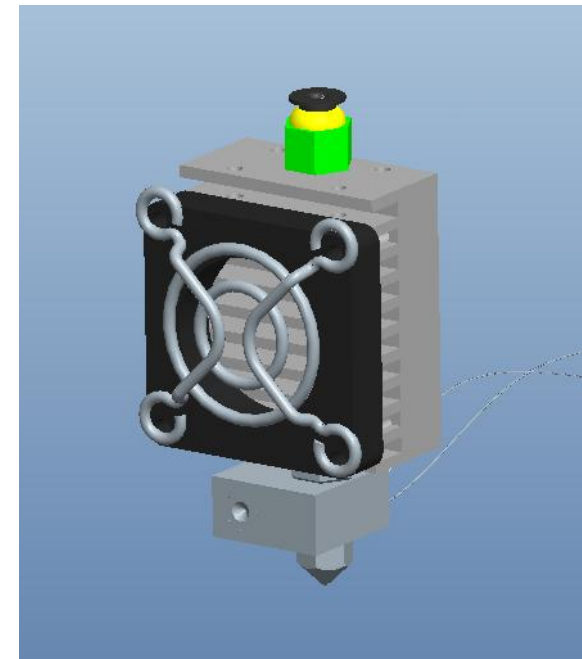
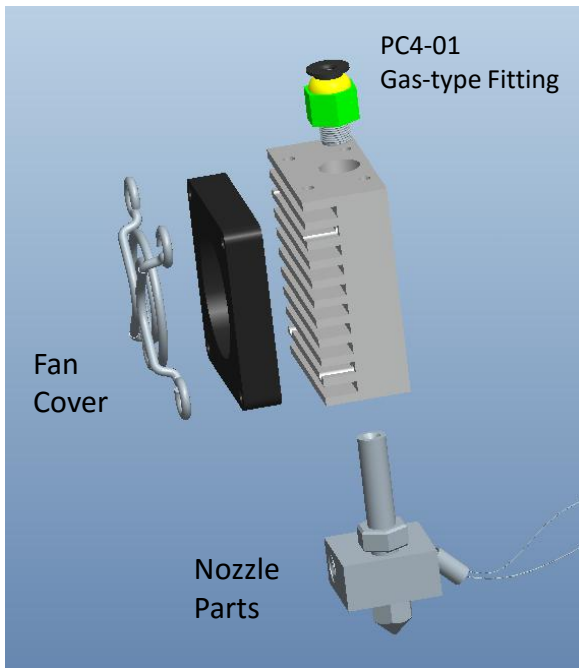


X motor fixing plate and belt fixing plate should be at the same side. Pay attention to the direction of installation.

| 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 | | | | |

Installation of Extruder

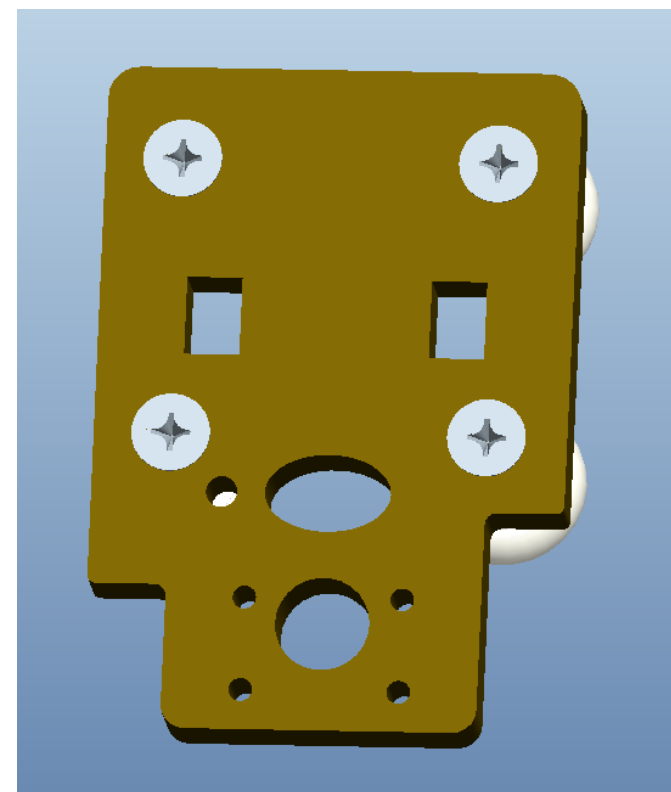
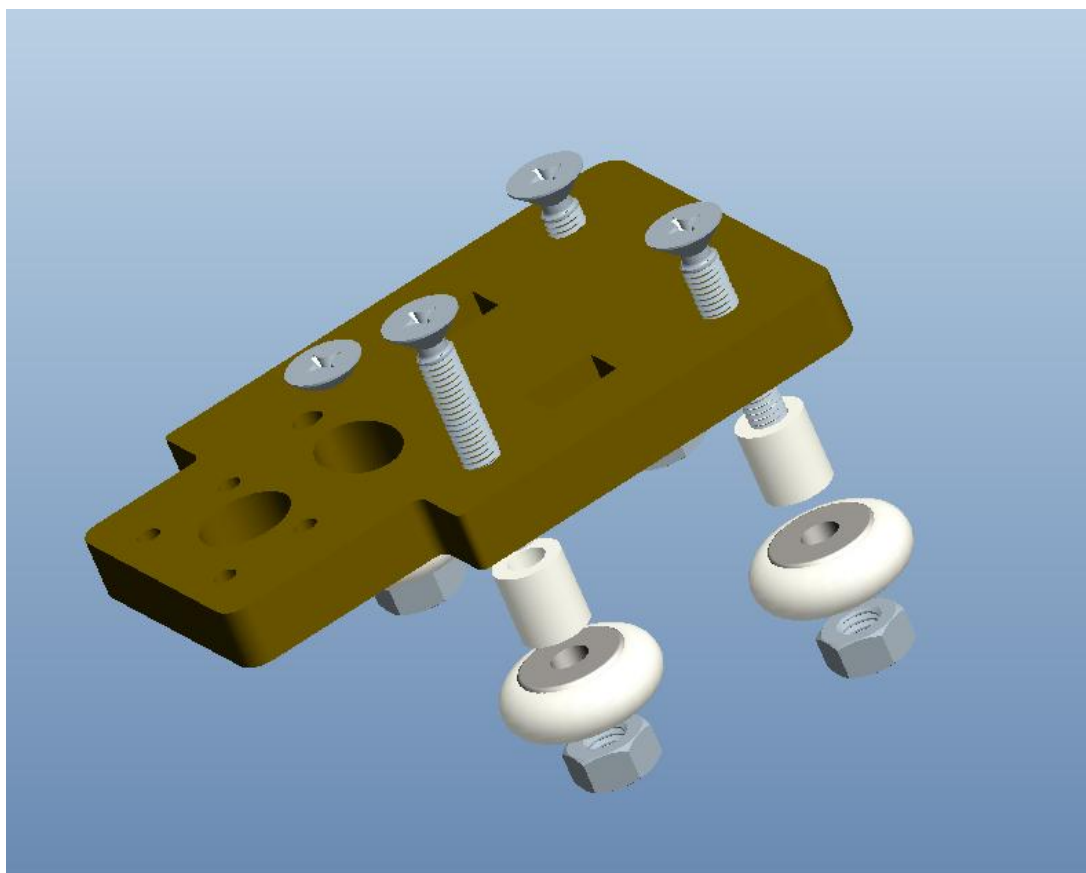
| Name | QTY | Note |
|-------------------------|-----|------|
| pc4-01 Gas-type Fitting | 1 | |
| Heat Sink | 1 | |
| Nozzle parts | 1 | |
| 40*10Fan | 1 | |
| M3*25 Screw | 4 | |
| M3 Pillar | 8 | |
| Fan Cover | 1 | |



Installation of Extruder Fixing Plate

14

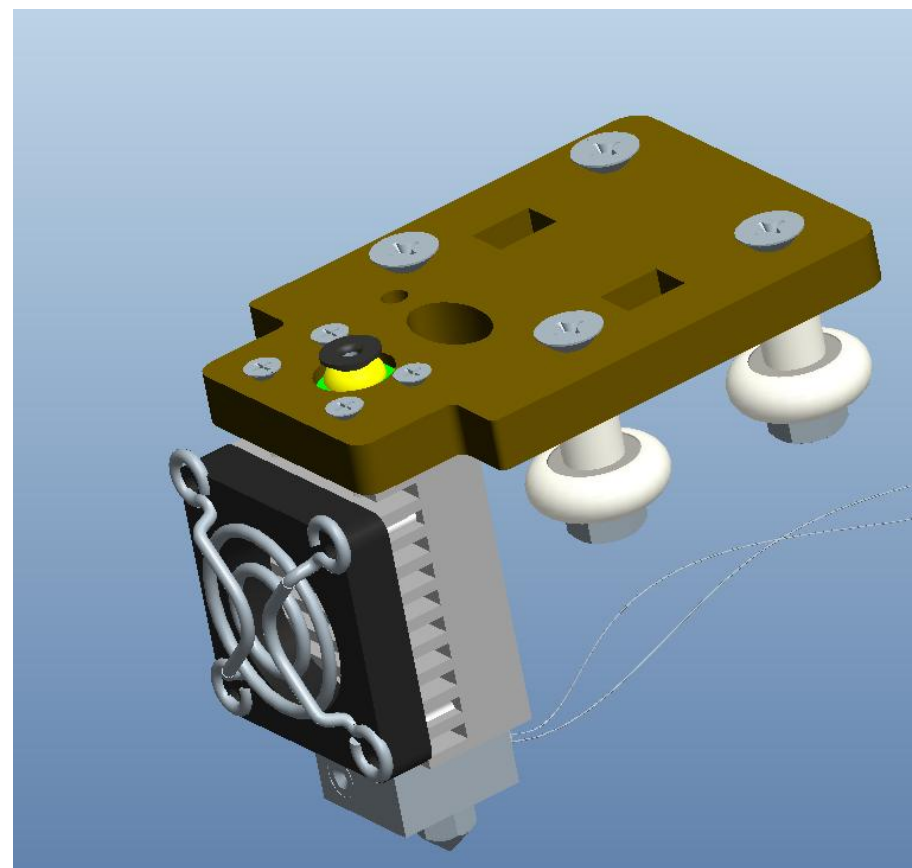
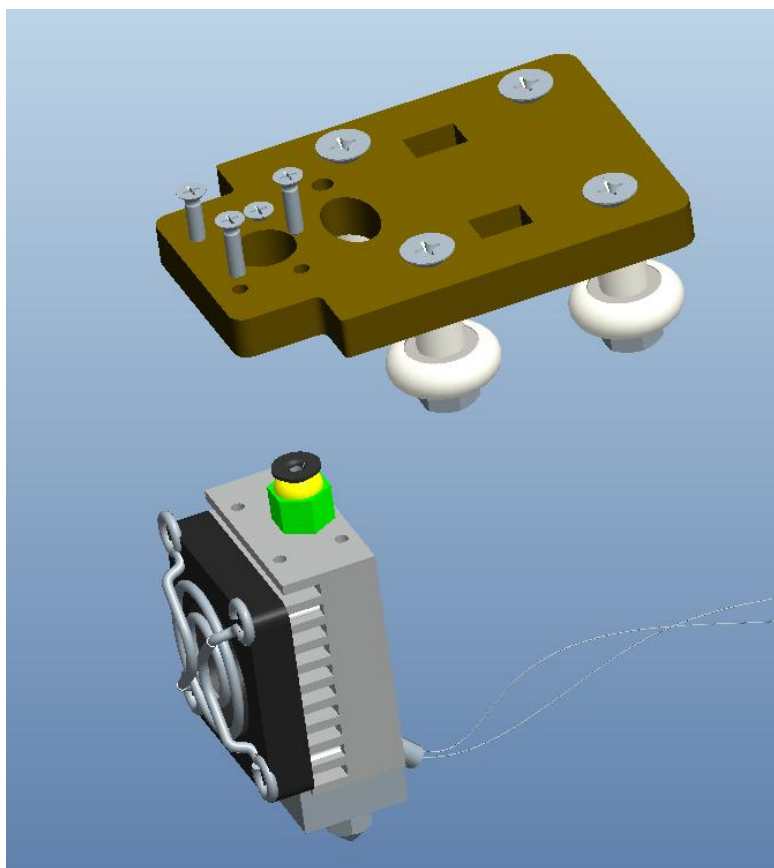
| Name | QTY | Note |
|-----------------------|-----|------|
| Extruder Fixing Plate | 1 | |
| M5*30 Screw | 4 | |
| M5*10 Pilalr | 4 | |
| M5 Nut | 4 | |
| Plastic Bearing | 4 | |



15

Installation of Extruder and Fixing Plate

| Name | QTY | Note |
|-------------|-----|------|
| M3*12 Screw | 4 | |

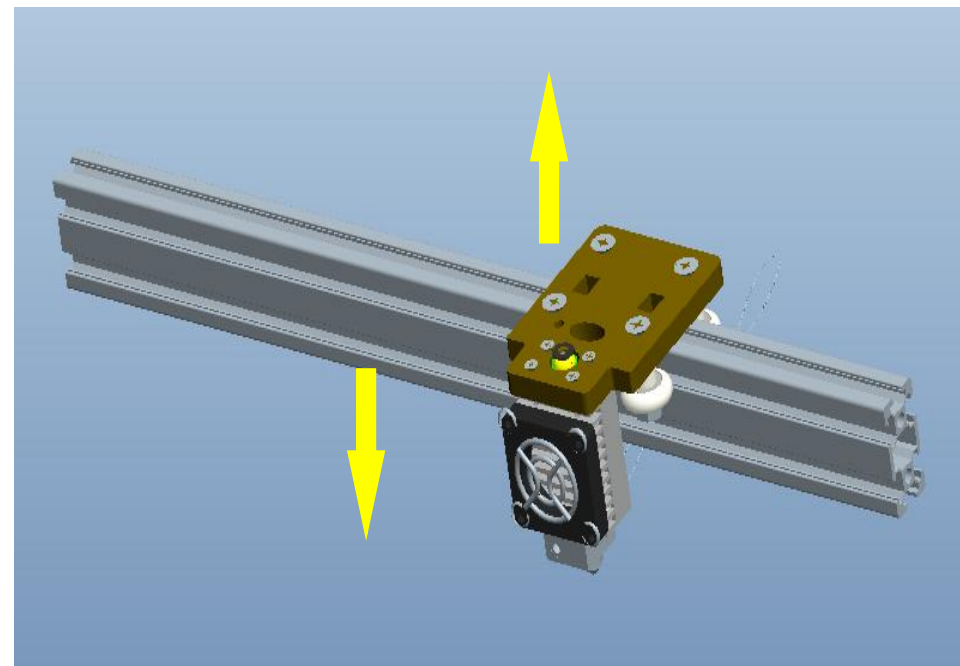
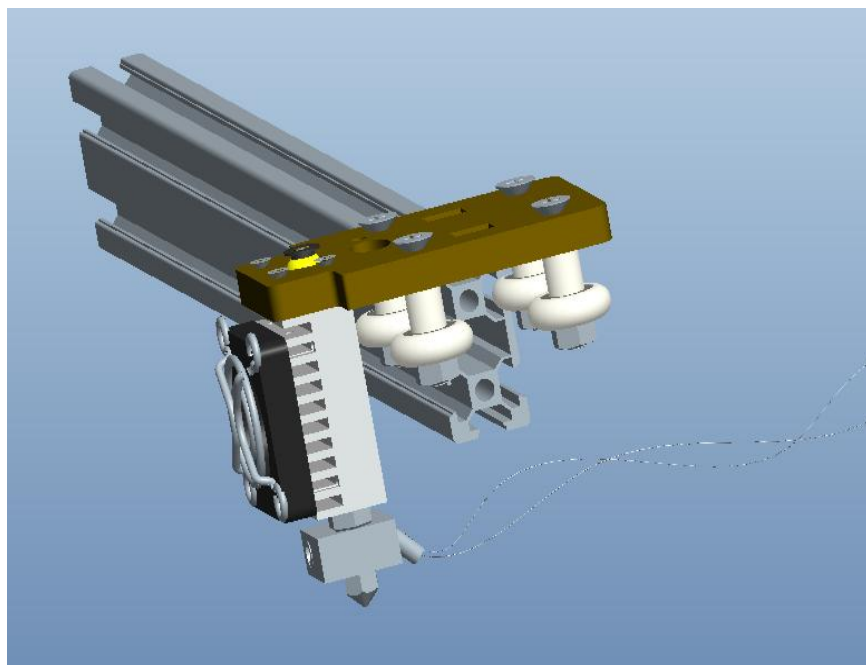


Installation of Extruder Fixing Plate

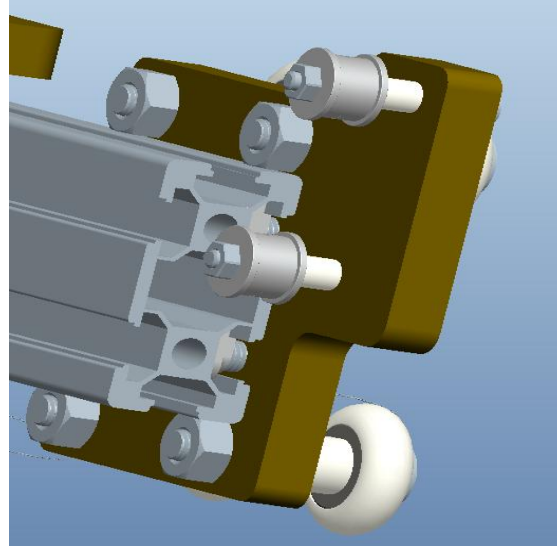
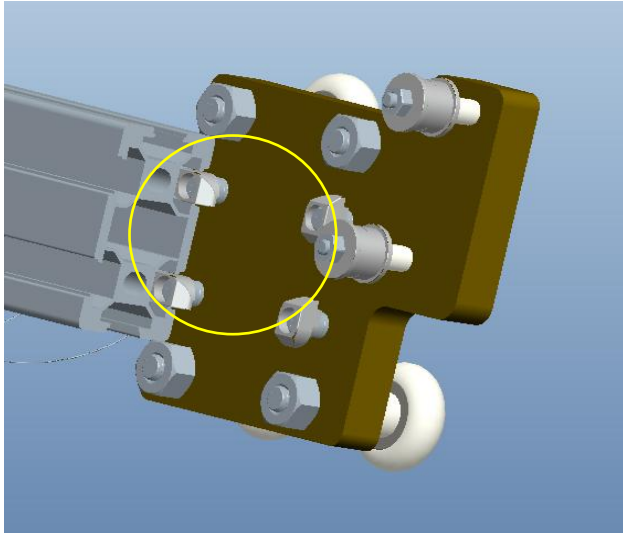
16

| Name | QTY | Note |
|-------------------------------|-----|------|
| 2040*400 Aluminium Profile | 1 | |

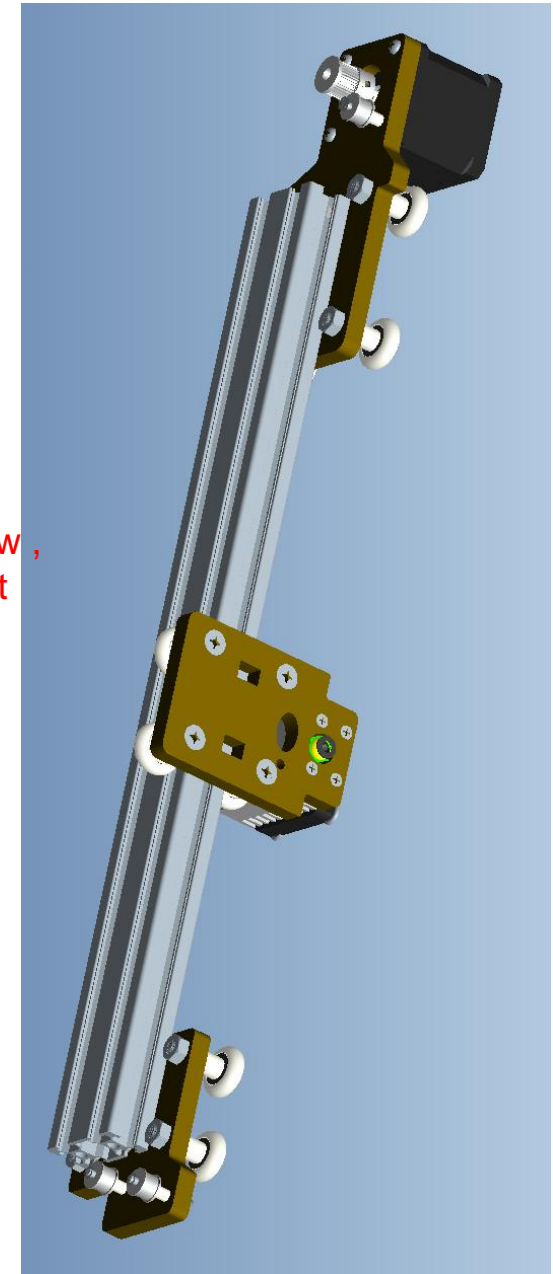
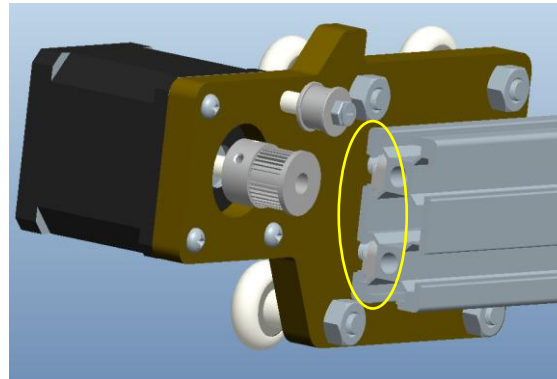
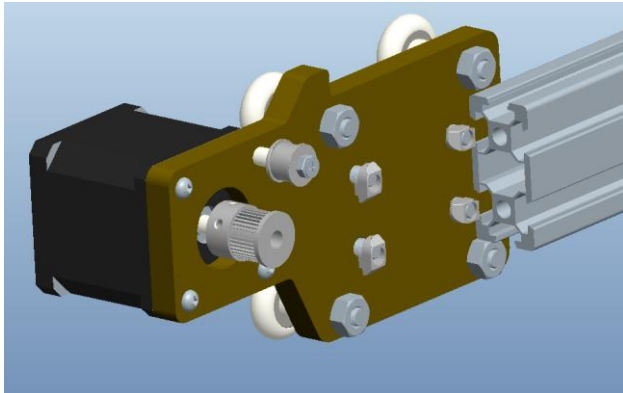
Adjust the fixing plate until it can slide smoothly , or you need to adjust the degree of tightness.
(Before the operation , ensure that the slider is well tightened and cannot be shaken)



Installation of X Axis

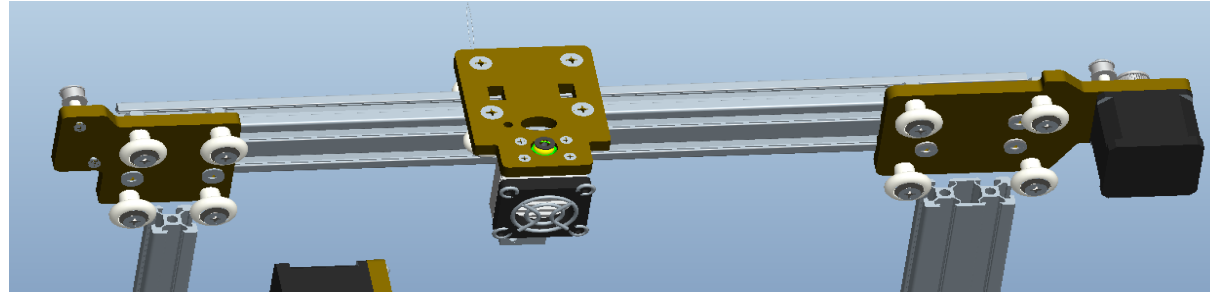


Don't lock the belt bearing support now, it needs adjustment in next steps.

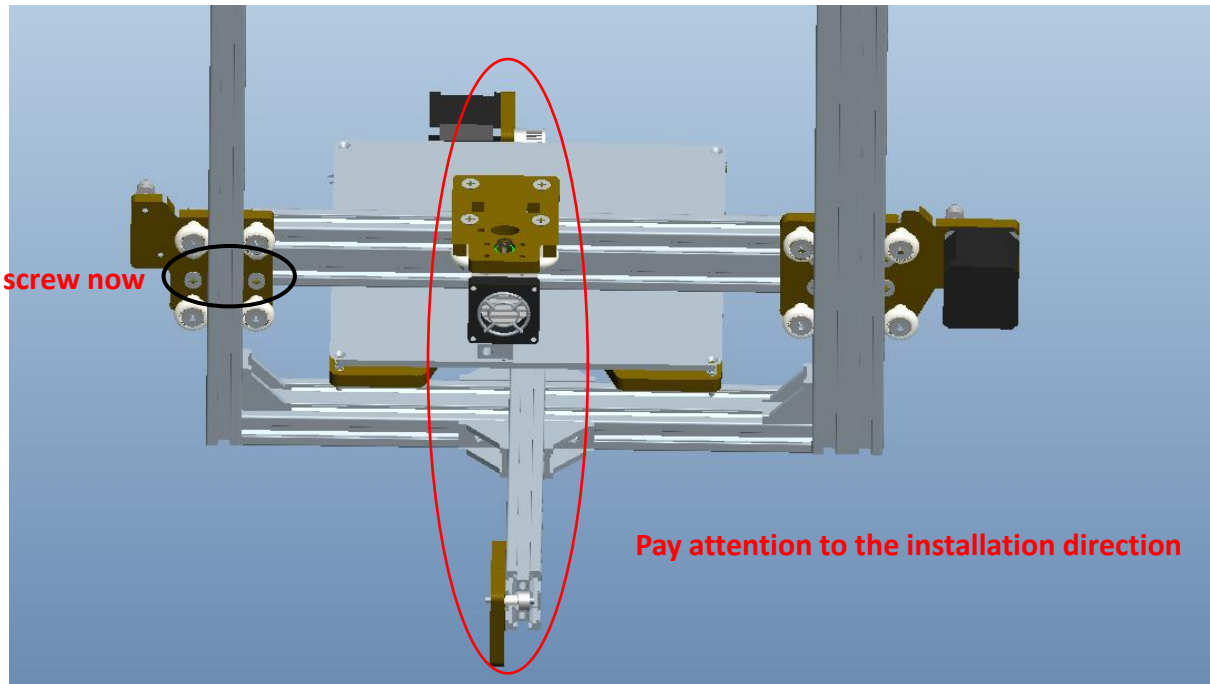


Installation of X Axis

18



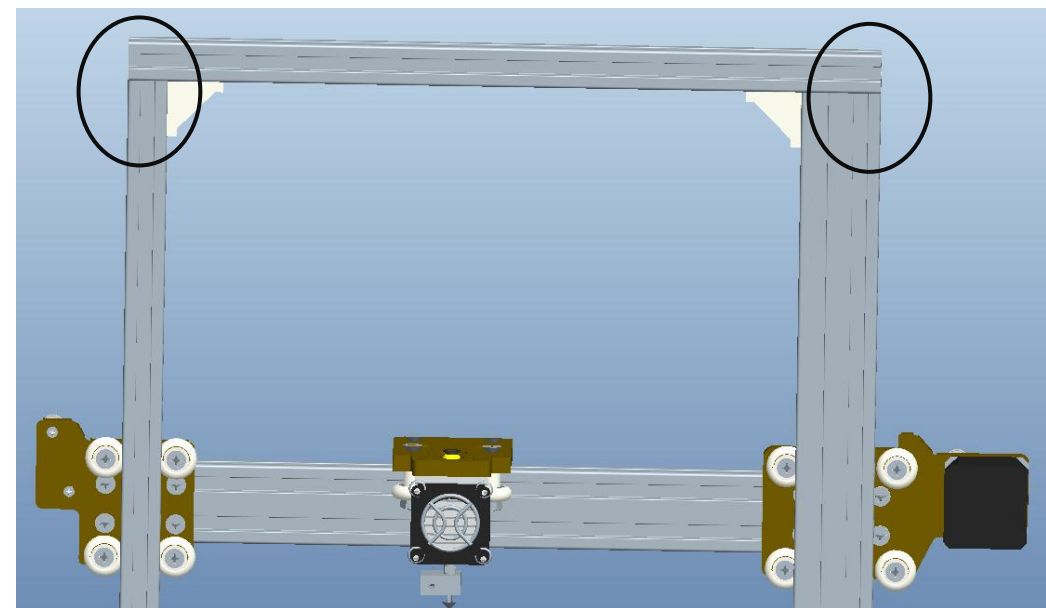
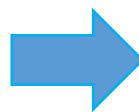
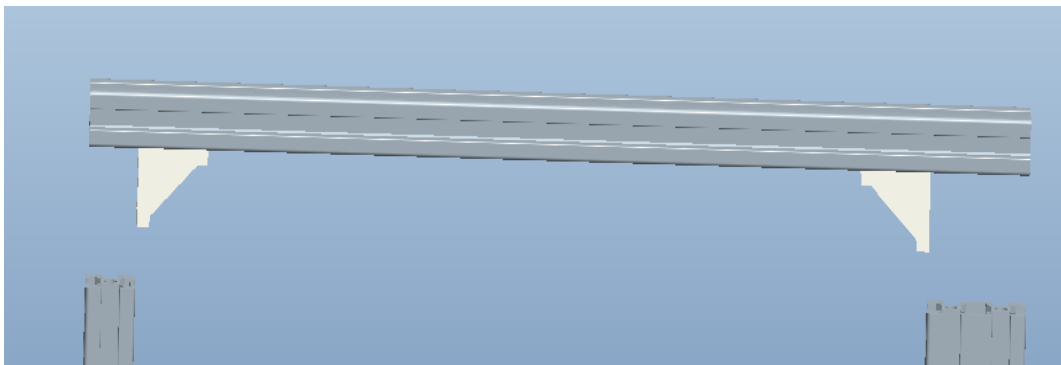
Don't tighten the 4 M5*16 screw now



Pay attention to the installation direction

Installation of 2020*380 Aluminium Profile

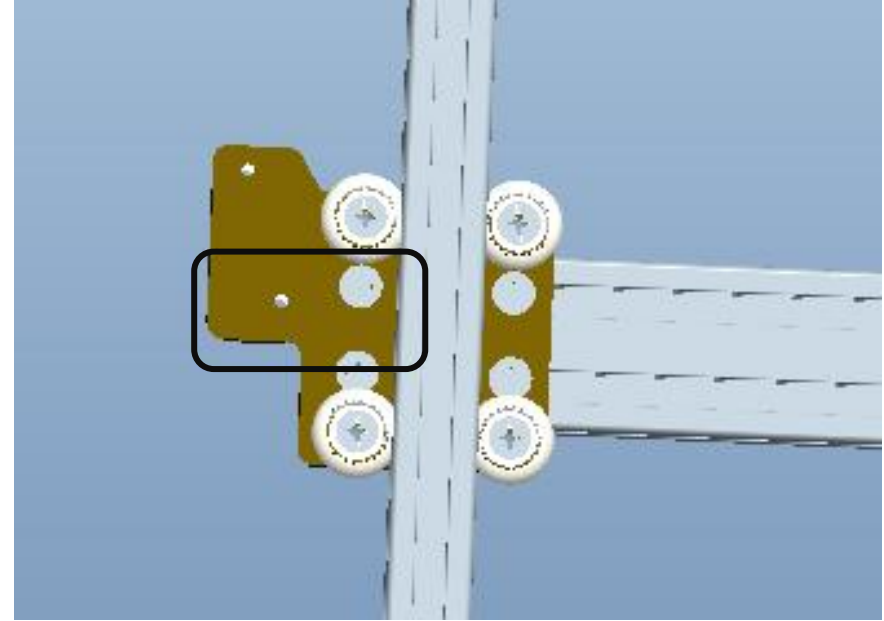
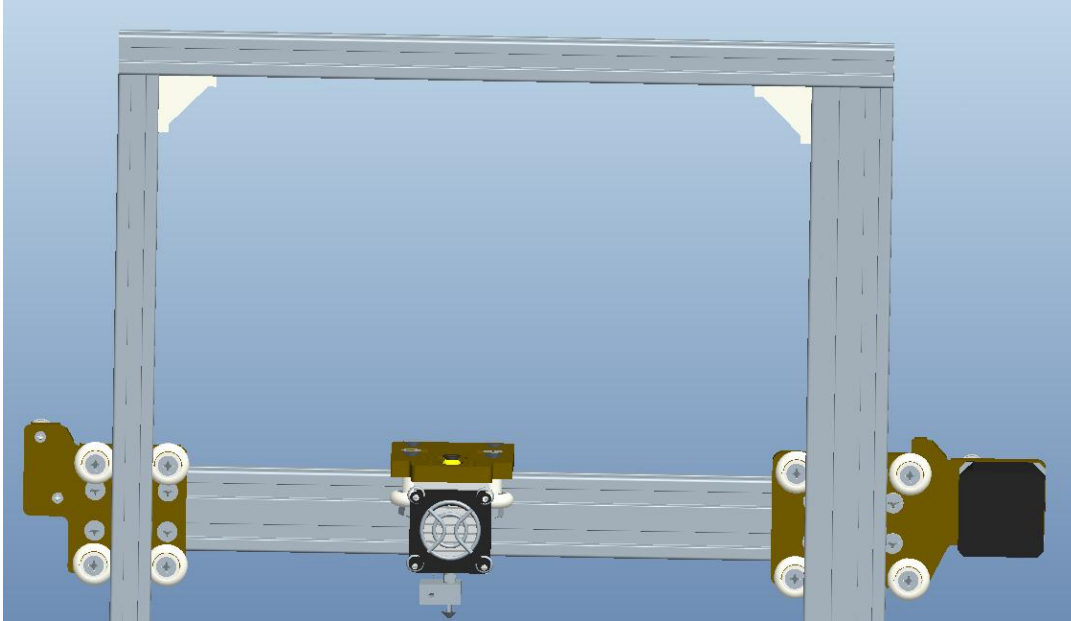
| Name | QTY | Note |
|-----------------------------|-----|------|
| 2020*380 Aluminium Alloy | 1 | |
| Header Corner | 2 | |
| M5*12 Screw | 4 | |
| M5 Pillar | 4 | |
| M5 T Nut | 4 | |



Keep the two sides at the same level during installation

Adjustment of X Axis

20




Attention:

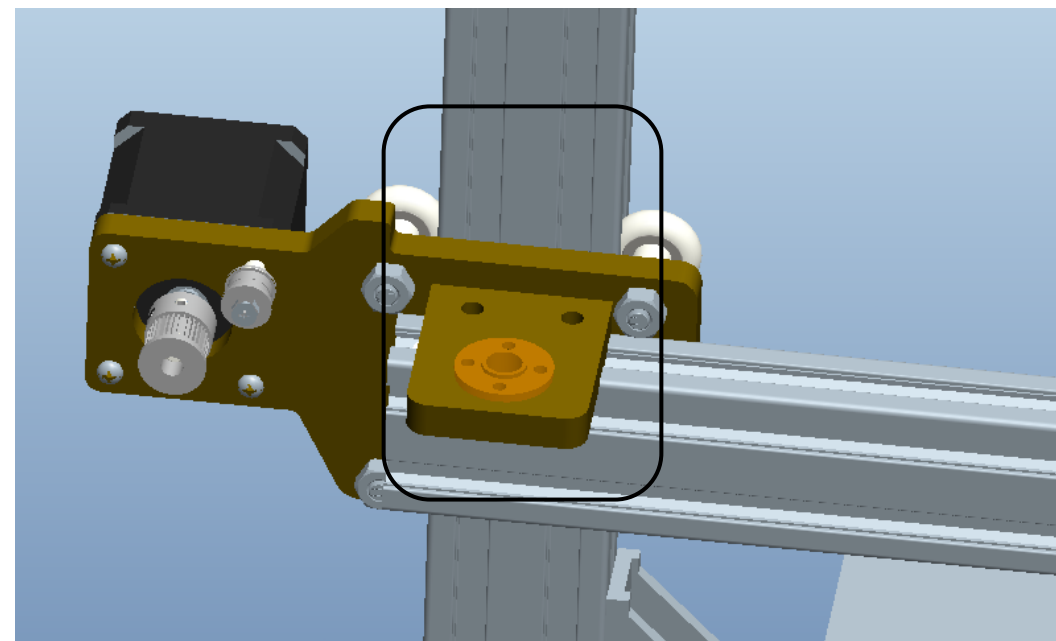
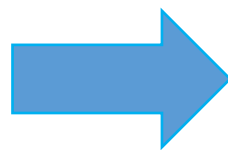
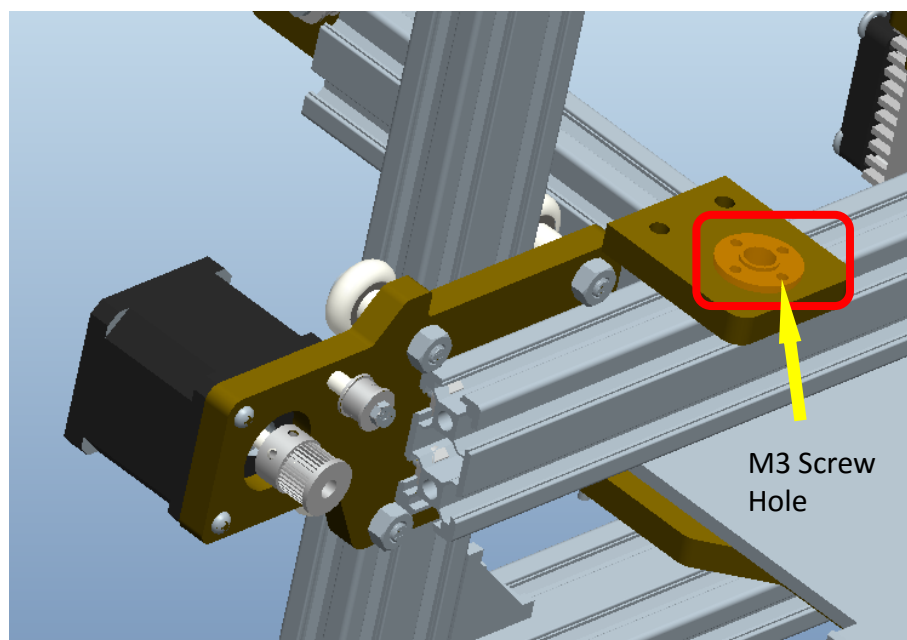
Adjust belt support fixing plate to enable Y axis to move smoothly . Meanwhile lock the 4 nut when it's level. (screws in  above)

21

Installation of Brass Nut Fixing Plate

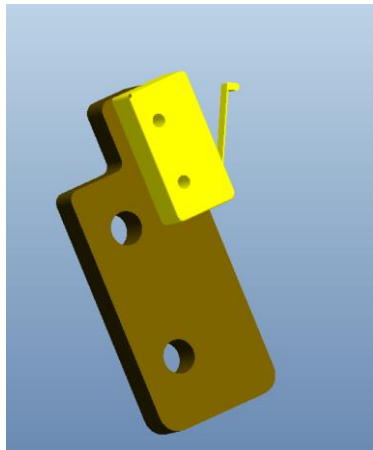
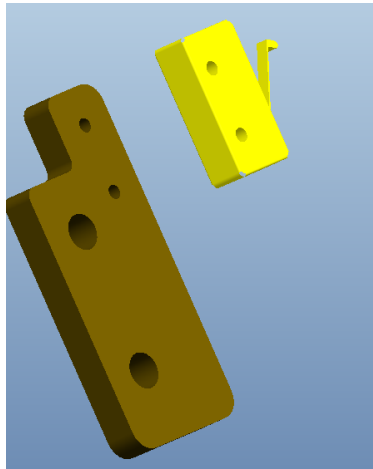
| Name | QTY | Note |
|----------------------------|-----|---|
| Z Axis Nut Fixing Plate | 1 | |
| M5*14 Scrwe | 2 | |
| M5 T Nut | 2 | |
| M3*18 Screw | 4 |  |
| M3 Nut | 4 | |

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

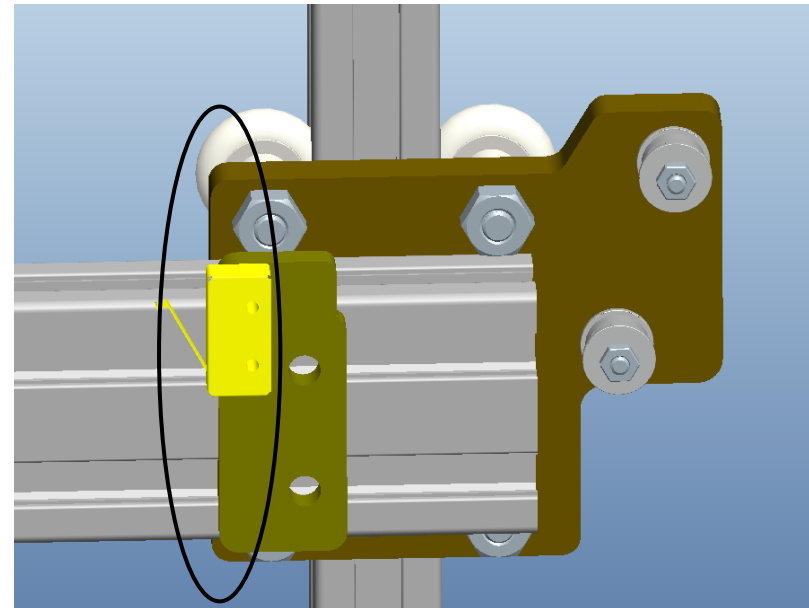


Installation of X Limited Switch

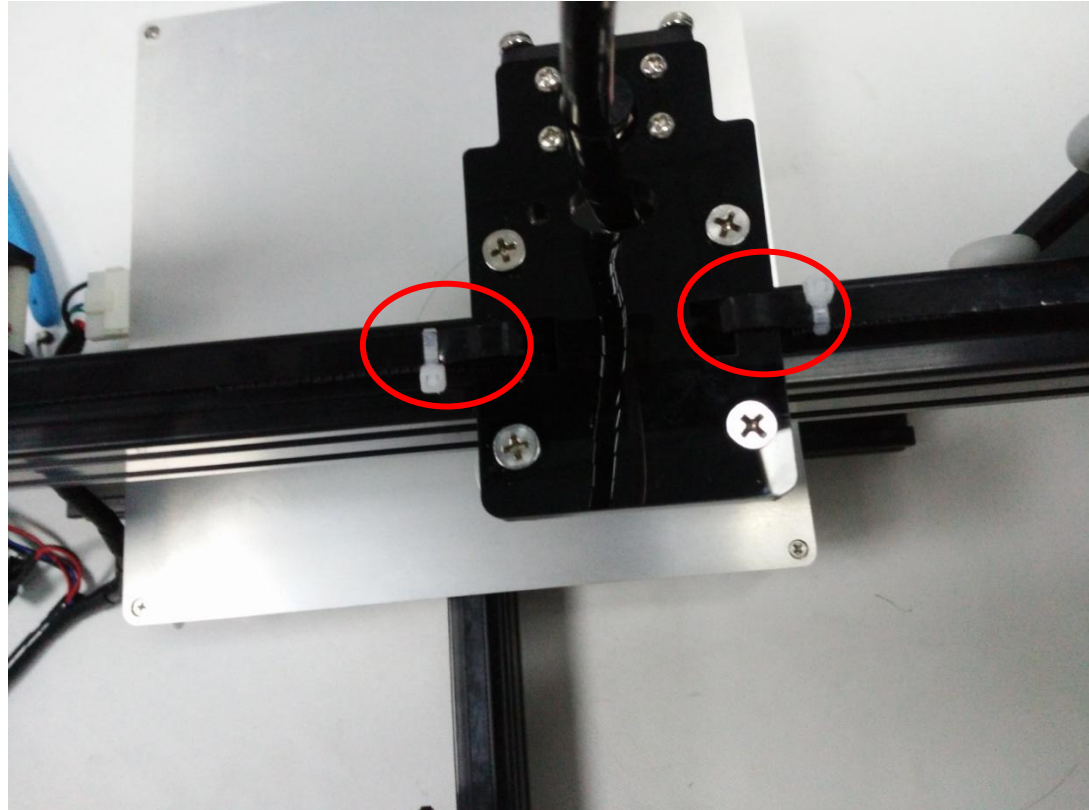
22



| 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

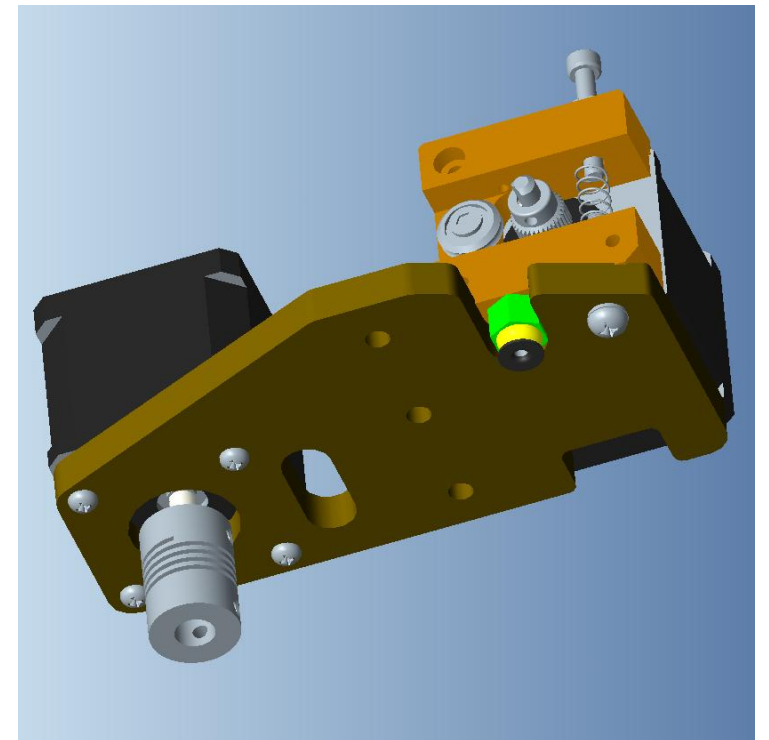
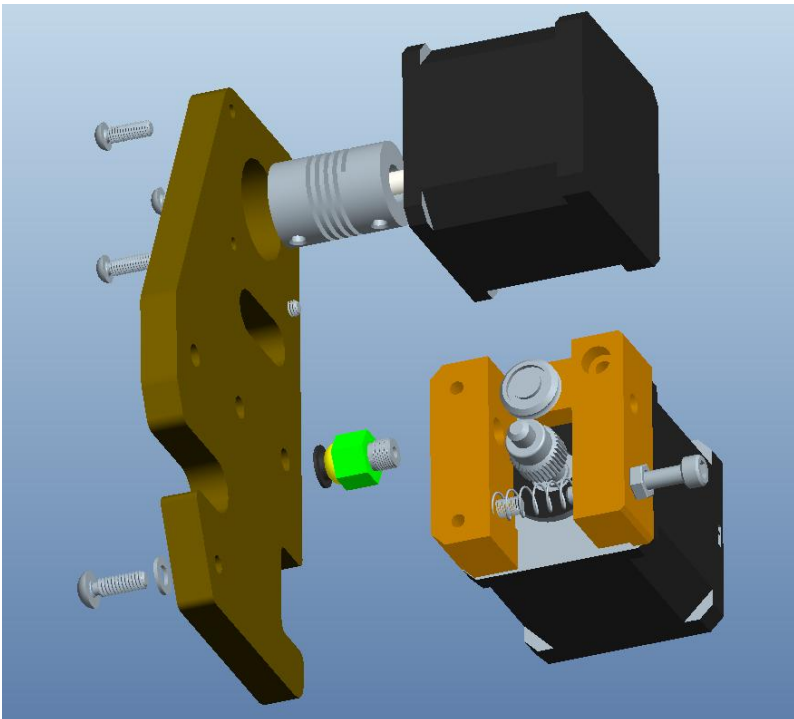


Let belt go through the hole and lock with ribbon.

Installation of Z Motor Fixing Plate

24

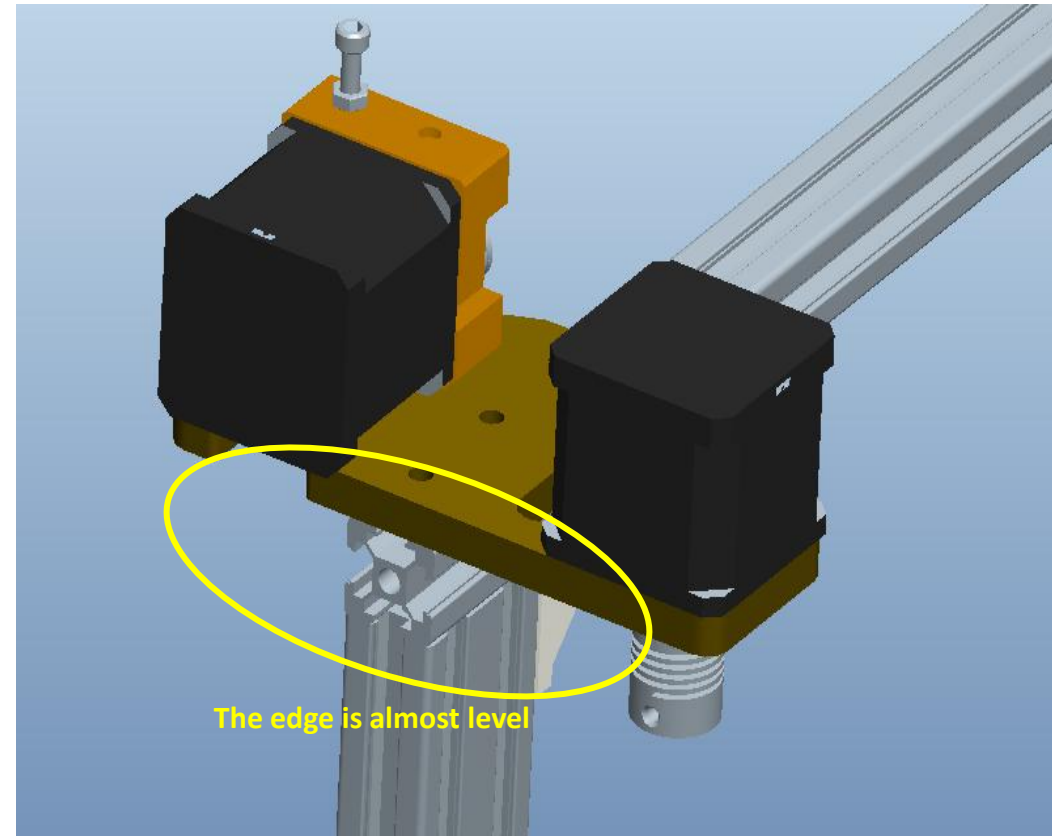
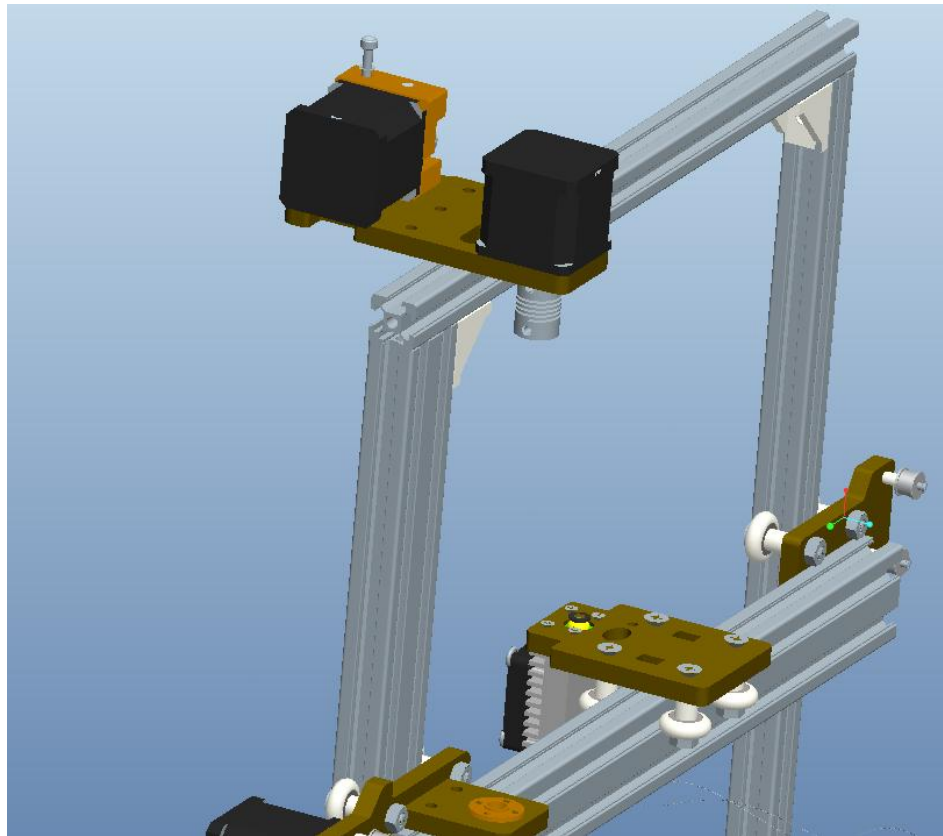
| Name | QTY | Note | Name | QTY | Note |
|----------------------|-----|------|------------------|-----|------|
| Z Motor Fixing Plate | 1 | | M3*12 Screw | 4 | |
| Z Motor | 1 | | M4*12 Screw | 1 | |
| Feeder | 1 | | Gas-type Fitting | 1 | |



25

Installation of Z Axis Motor Fixing Plate

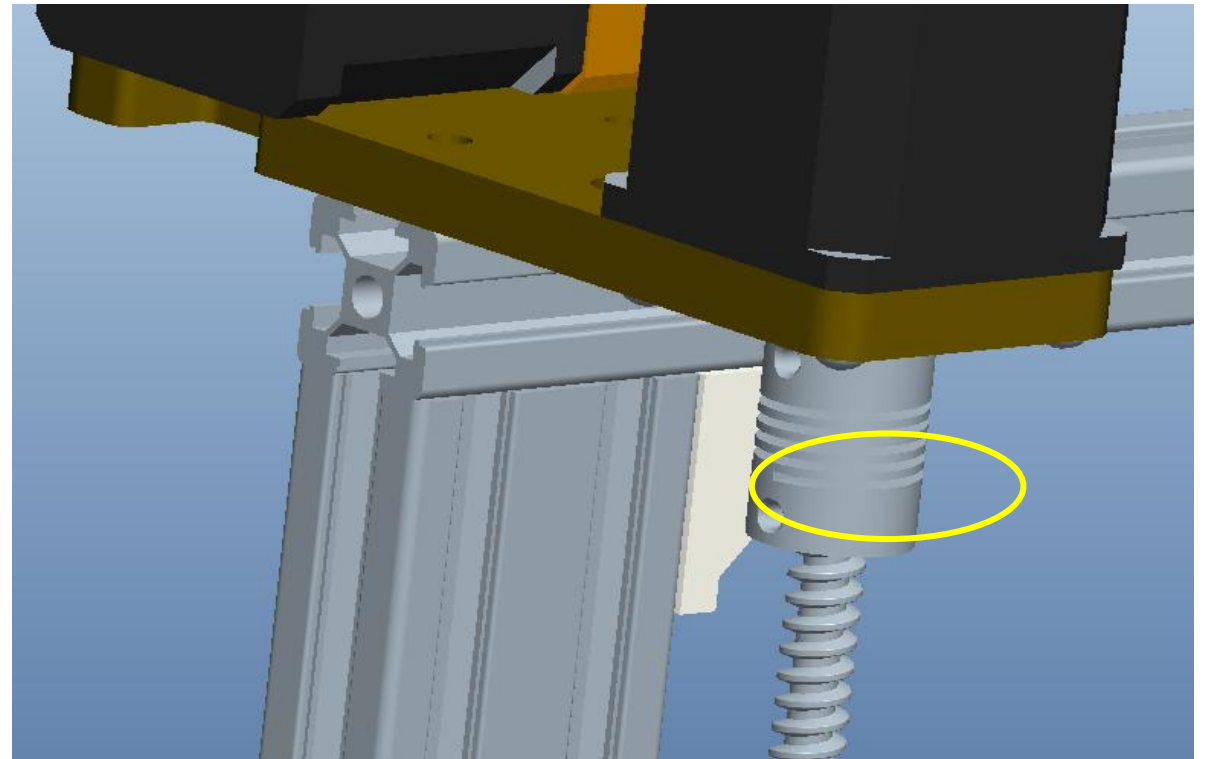
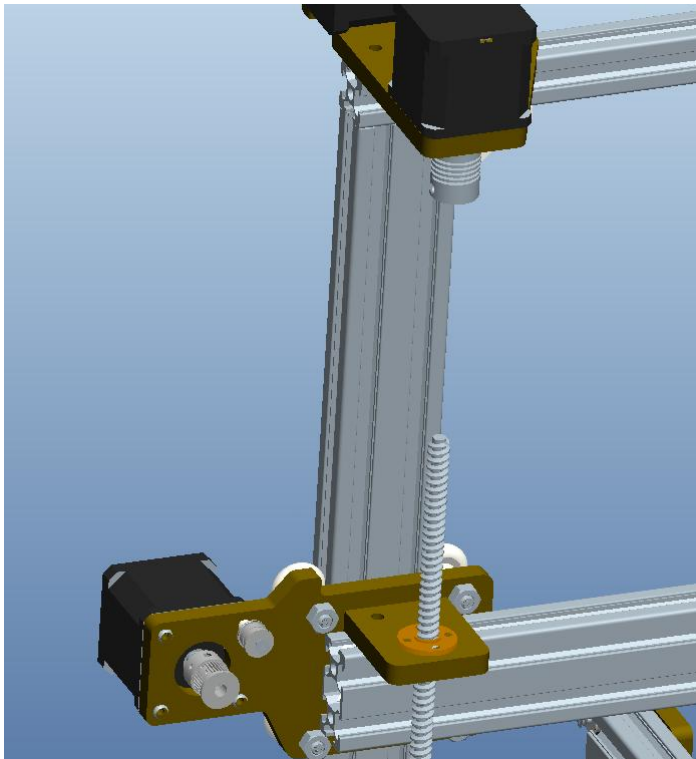
| Name | QTY | Note |
|-------------|-----|------|
| M5*14 Screw | 3 | |
| M5 T Nut | 3 | |



Installation of Z Axis Rod

26

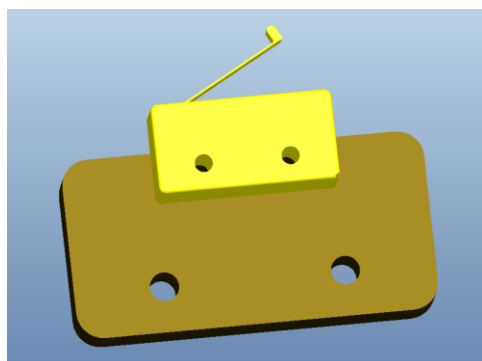
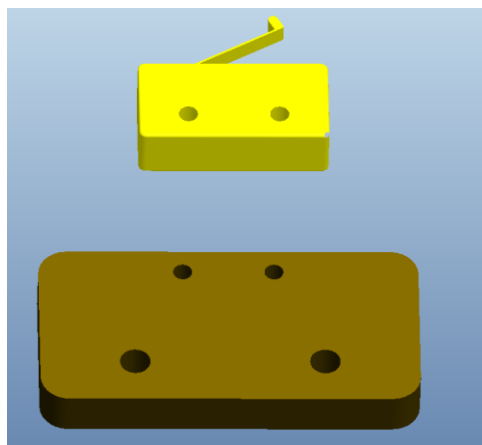
| Name | QTY | Note |
|--------|-----|------|
| M8 Rod | 1 | |



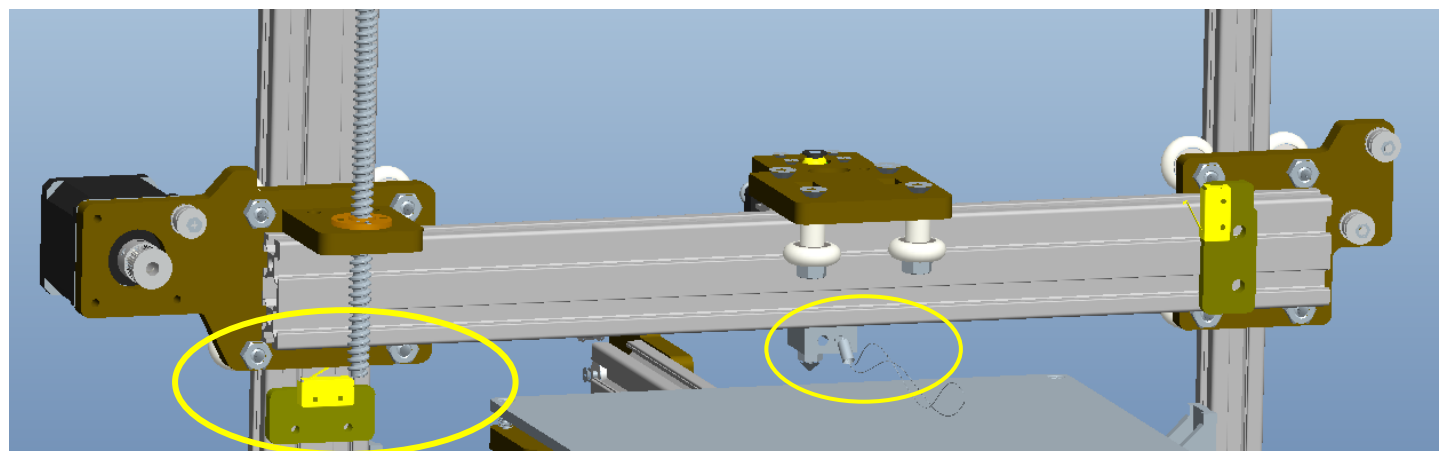
Loose the screw on the coupling , stick rod in and then tighten the screw.

27

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 | | | | |

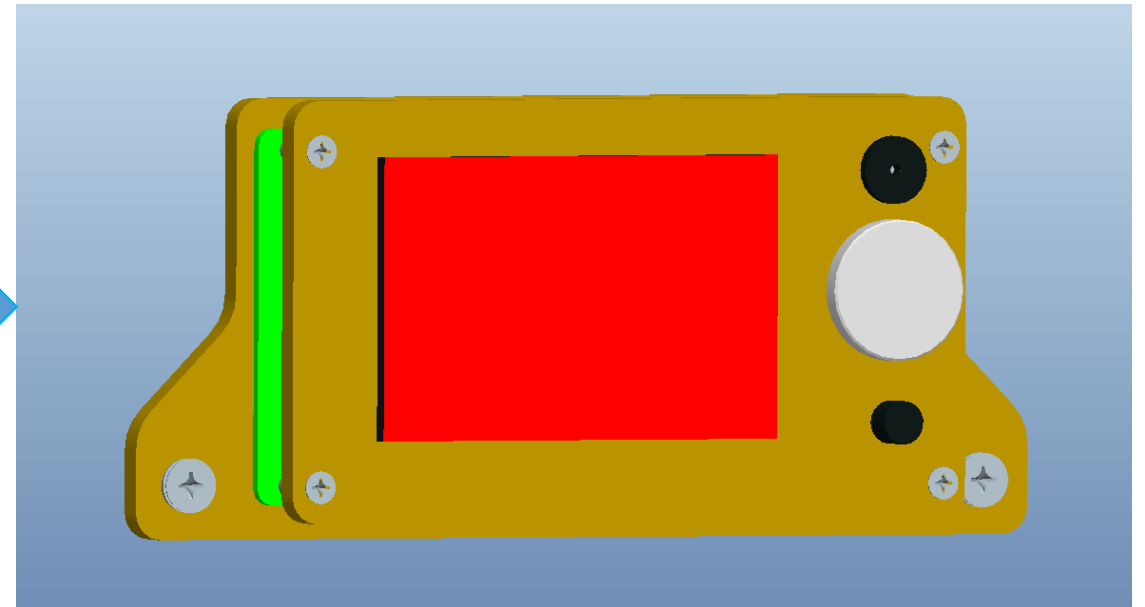
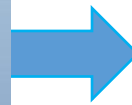
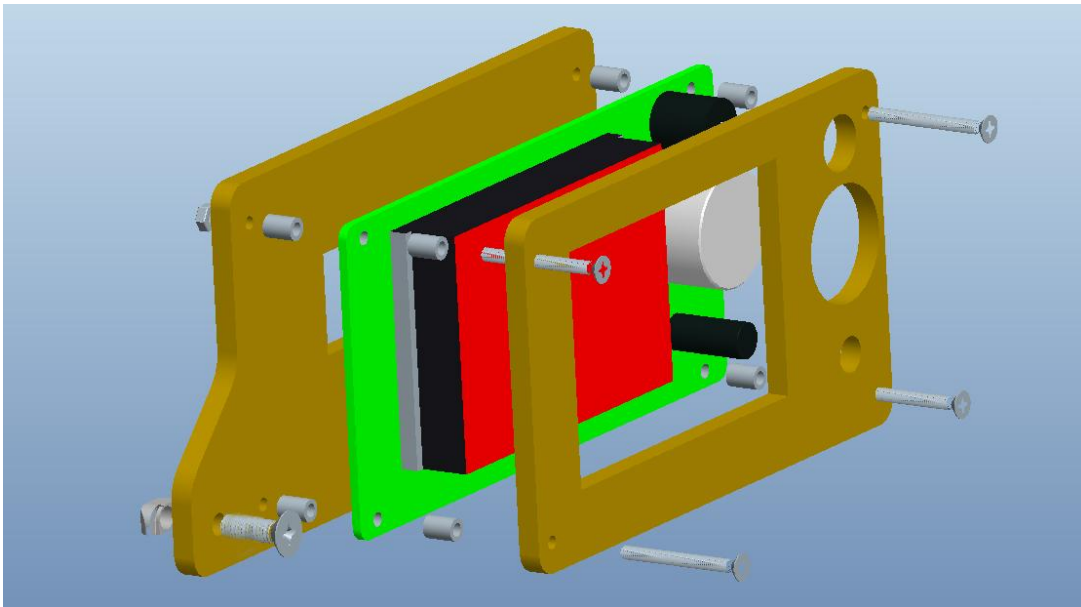


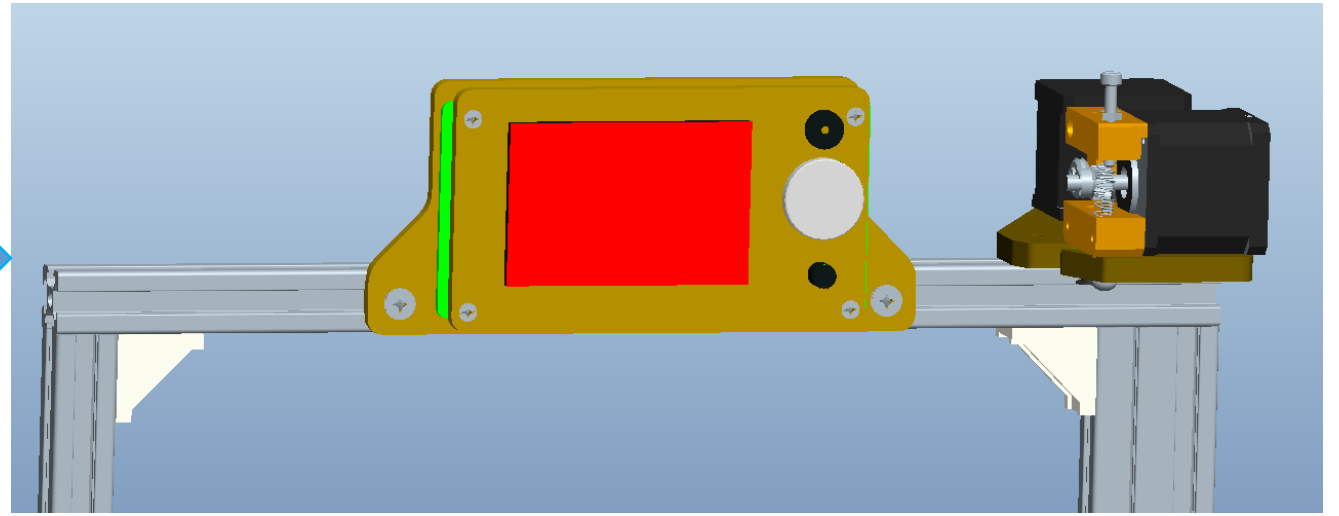
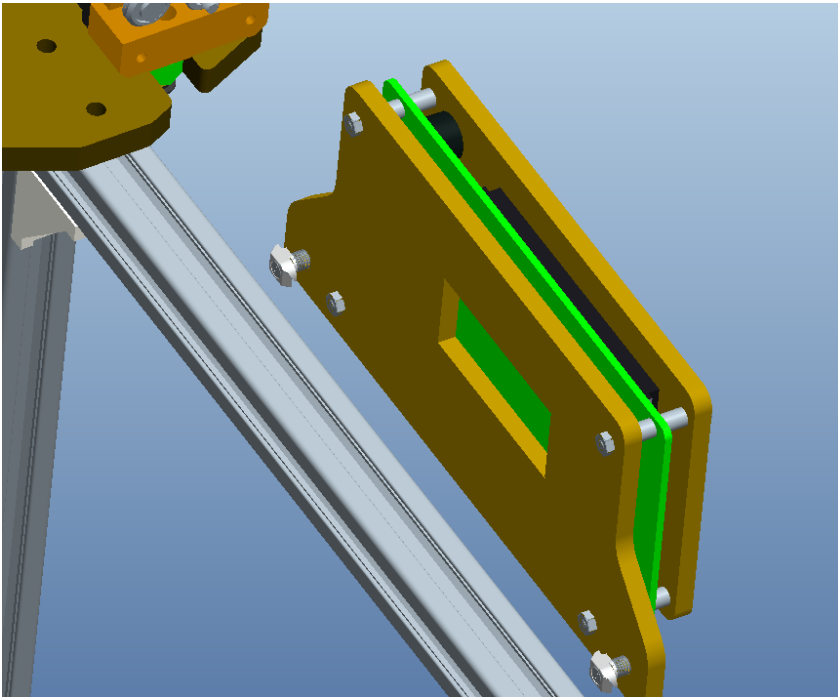
Install the Limited Switch Fixing Plate in the location above

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 | |

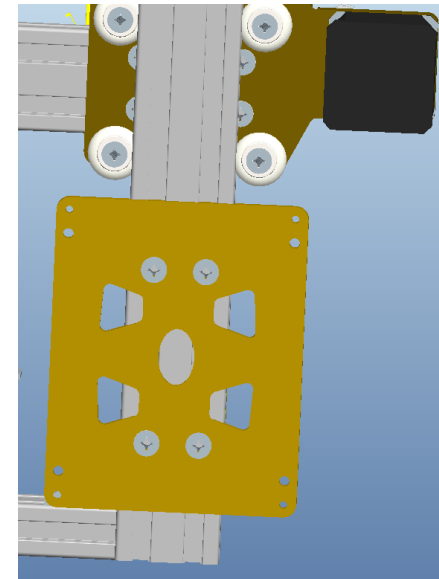
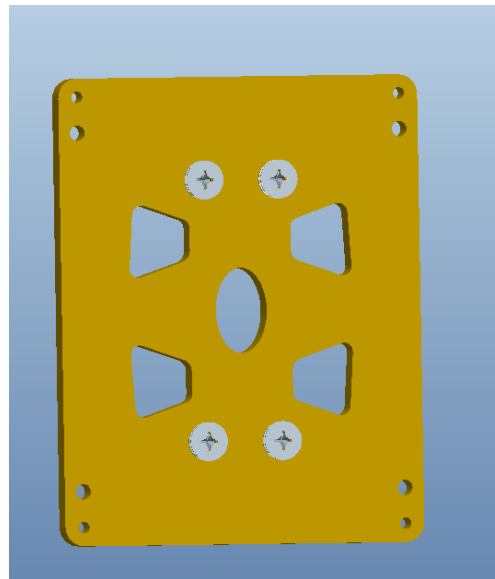
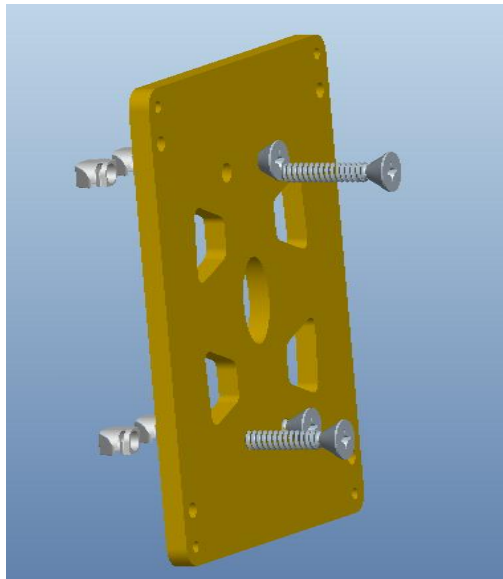




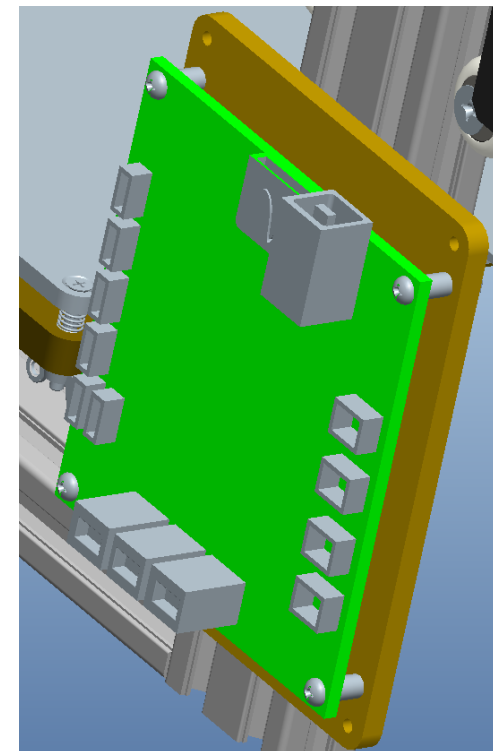
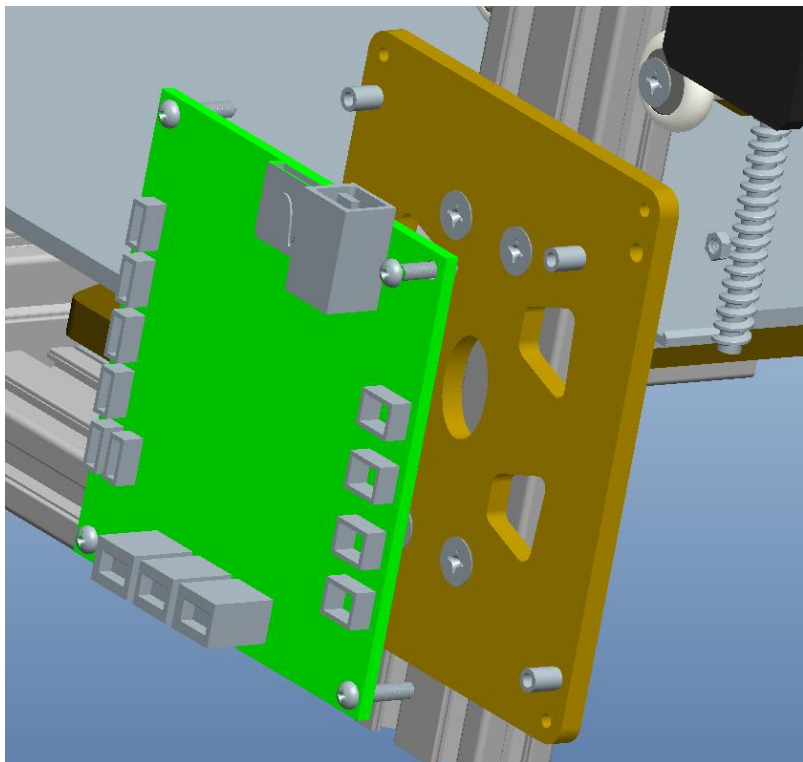
Installation of Mainboard Fixing Plate

30

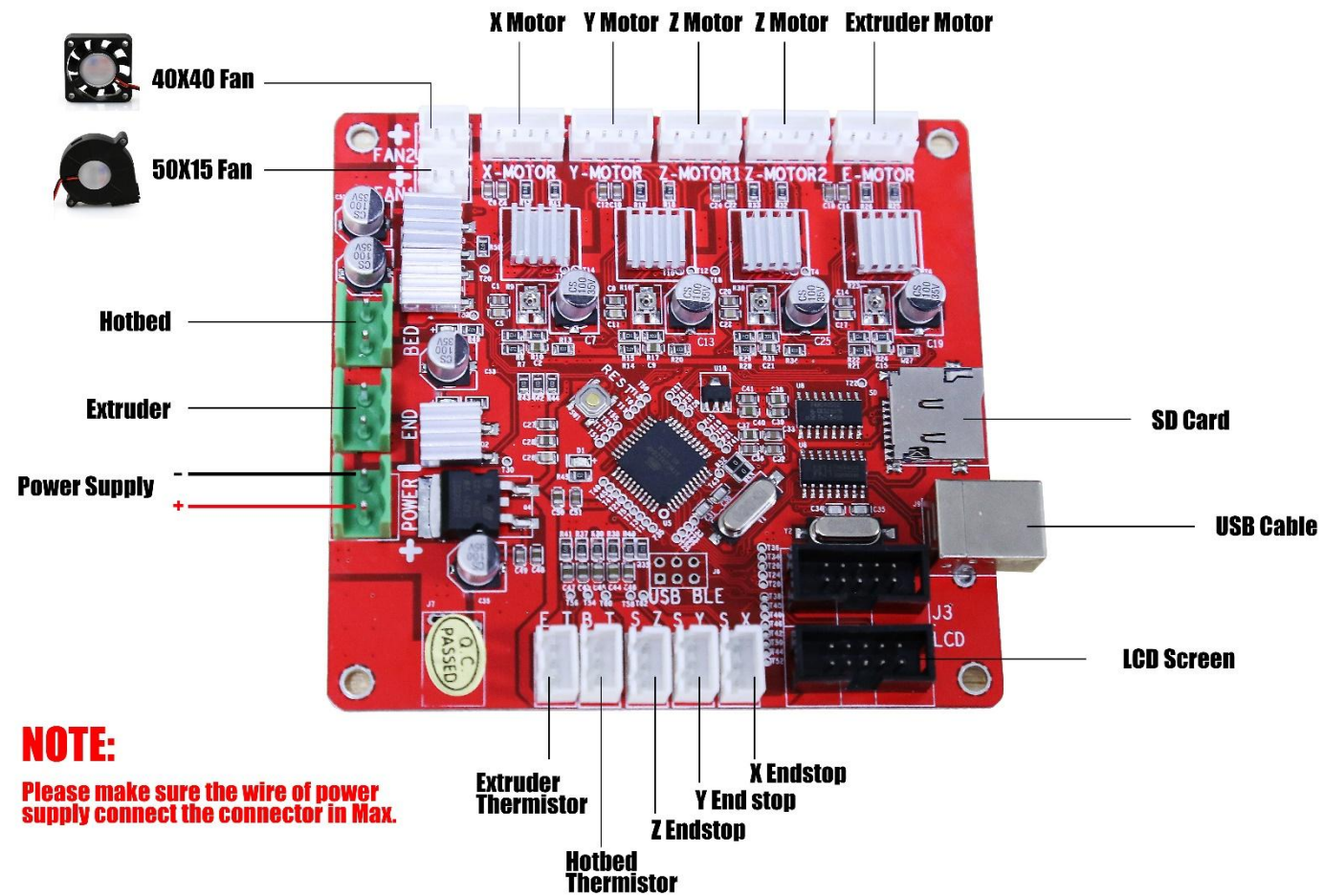
| Name | QTY | Note |
|------------------------|-----|------|
| Mainboard Fixing Plate | 1 | |
| M5*12 Scrwe | 4 | |
| M5 T Nut | 4 | |



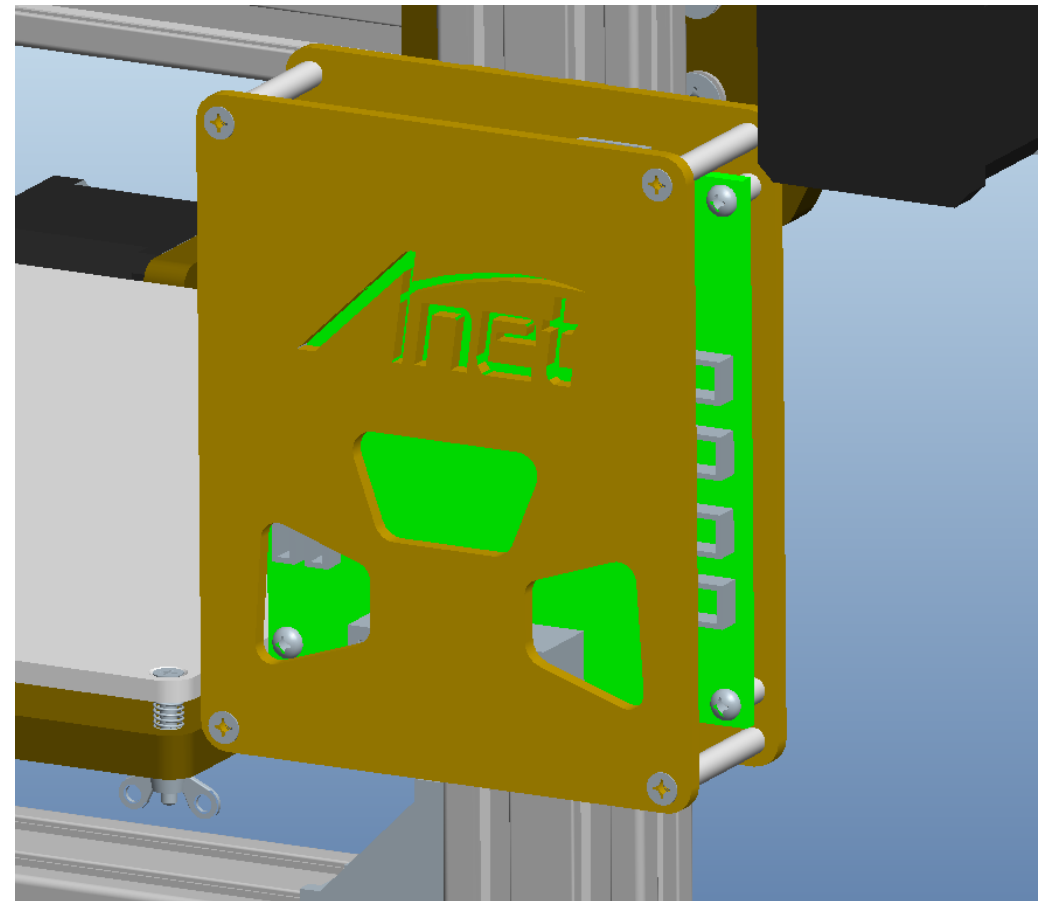
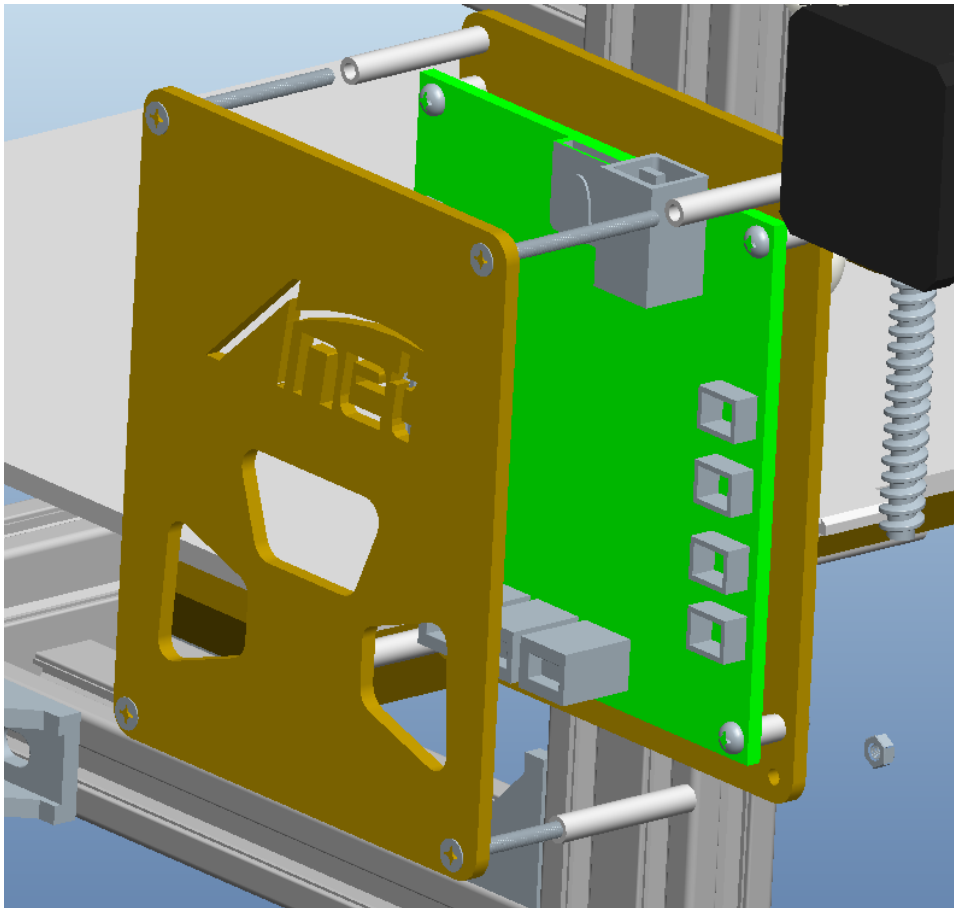
| Name | QTY | Note |
|-------------|-----|------|
| Mainboard | 1 | |
| M3*14 Scrwe | 4 | |
| M3*7 Pillar | 4 | |
| M3 Nut | 4 | |



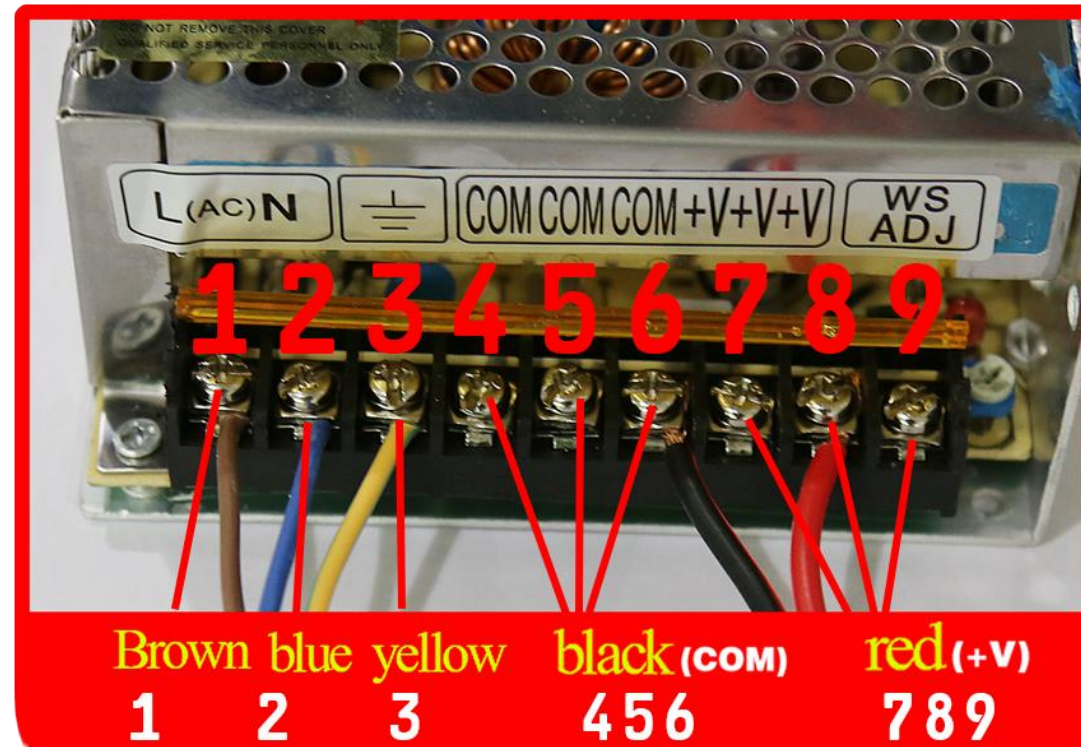
Attention: Please connect compenents with corresponding wires

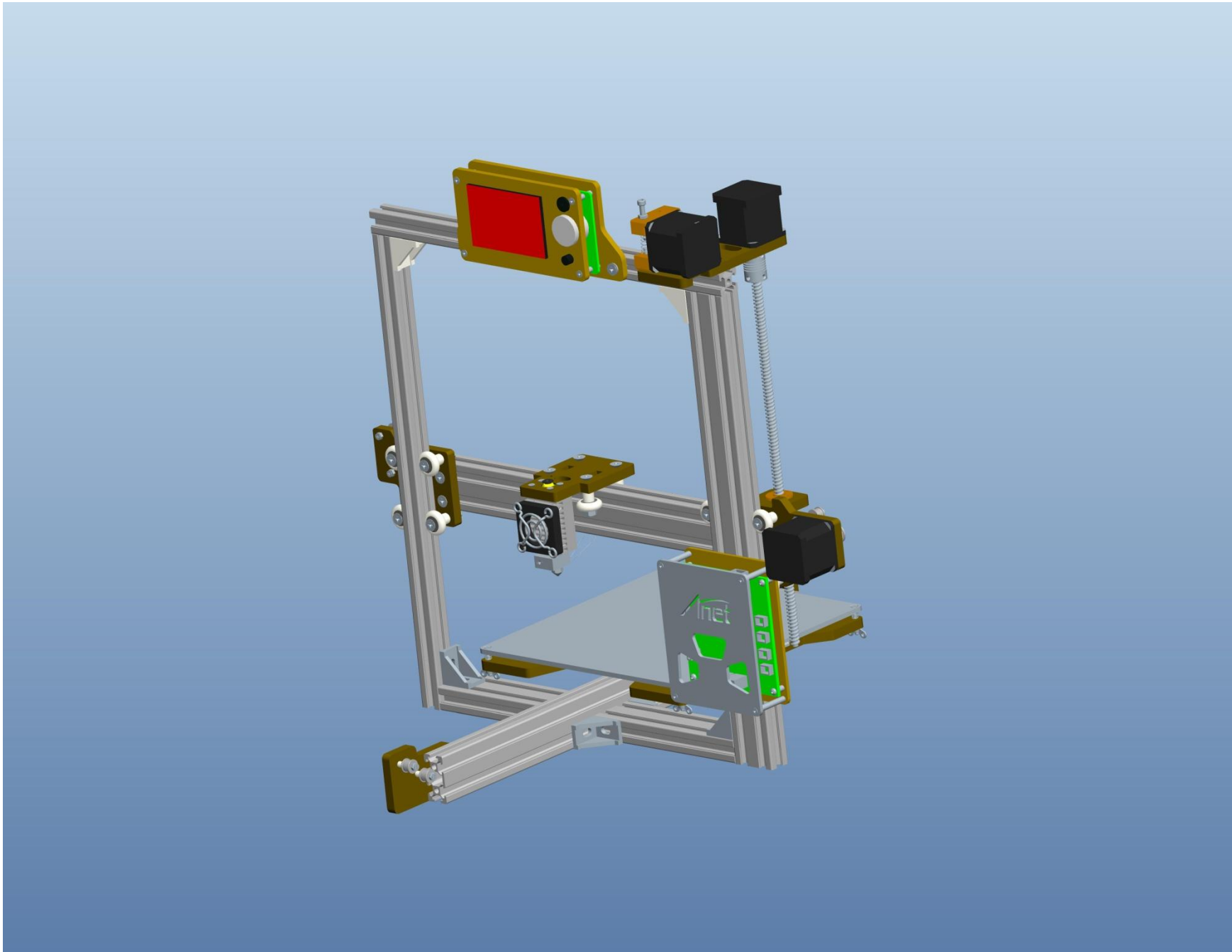


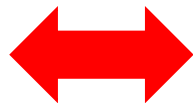
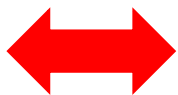
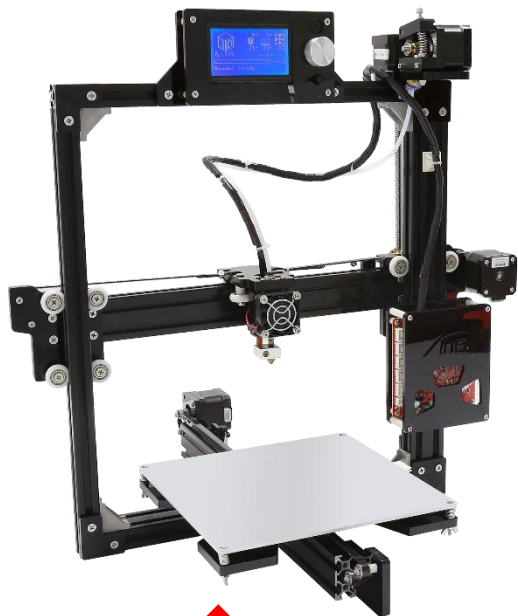
Installation of Mainboard Protecting Plate



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.