

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.

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 418mm 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 |

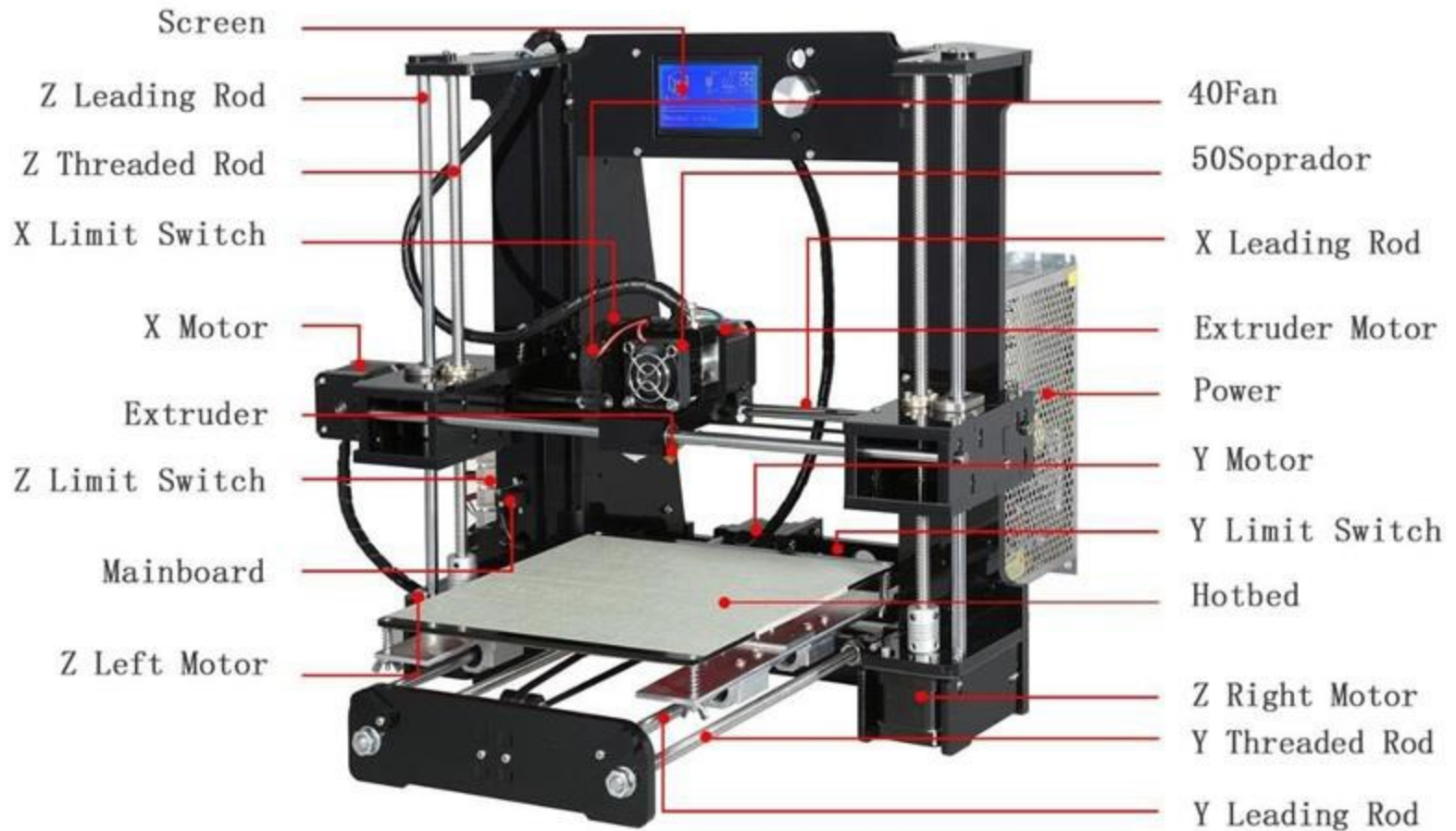
| Item | Material number | Picture | Name | QTY | Item | Material number | Picture | Name | QTY |
|--------|-----------------|---|---|-----|--------|-----------------|---|---------------------------------|-----|
| 2-25-4 | 1700100023 |  | M4*8 screw 16pcs M4*14 screw 4pcs | 1 | 2-8-3 | 1101900002 |  | 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 USB 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 | 1101300008 |  | Linear bearing | 4 | 2-21 | 1700200018 |  | 16GB TF card and card reader | 1 |
| 3-11 | 1200100002 |  | Power Supply | 1 | 2-22 | 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 .

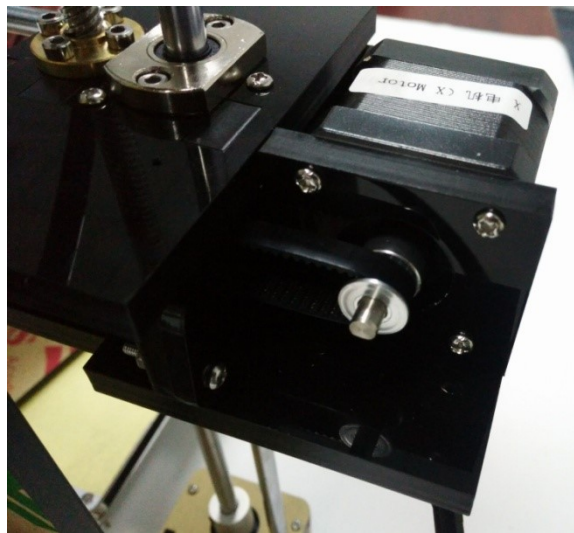
Components Name



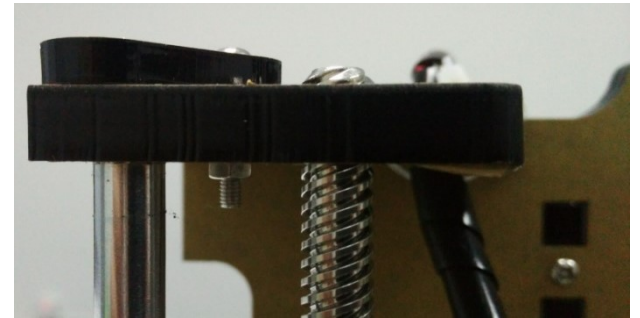
Acrylic Installation



Acrylic Connection

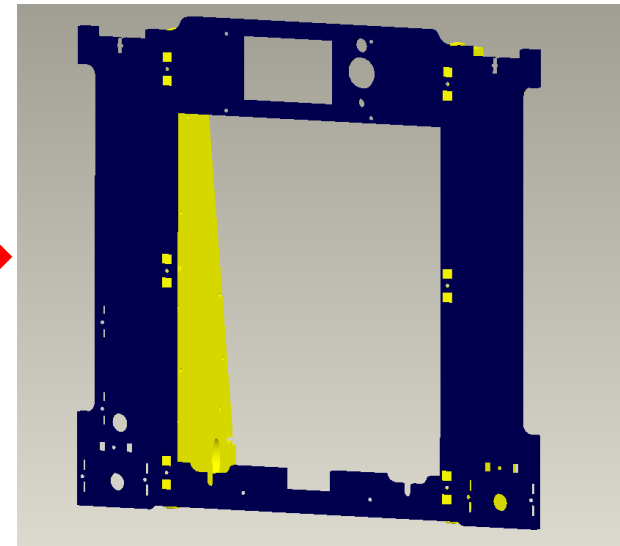
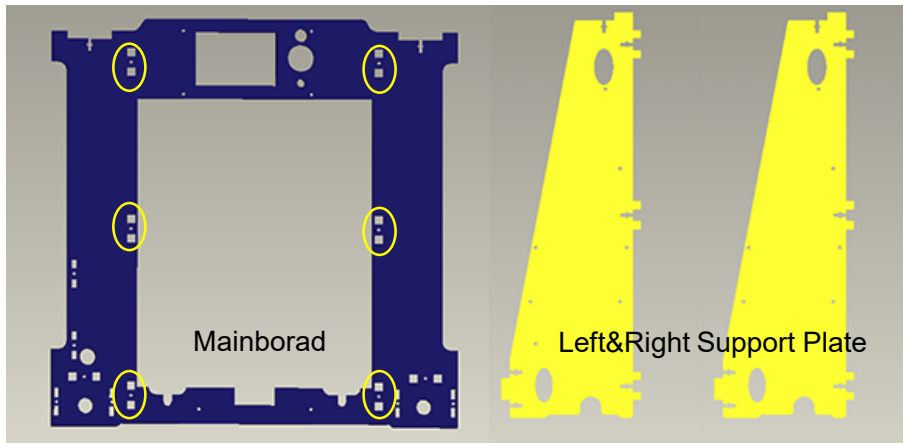


Acrylic & Motor Connection



Acrylic Connection

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

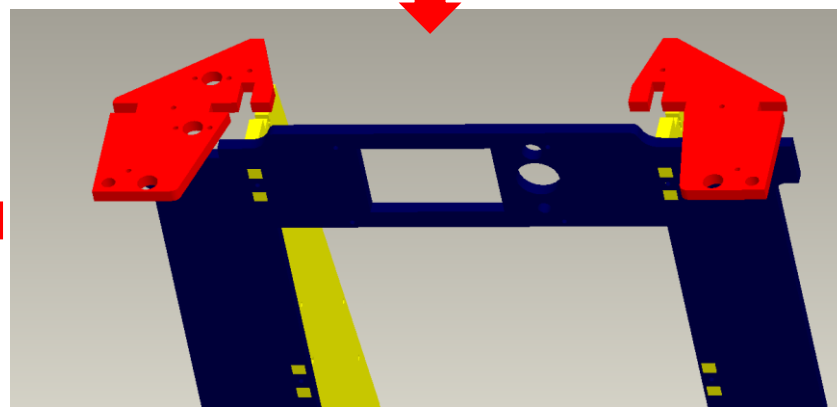
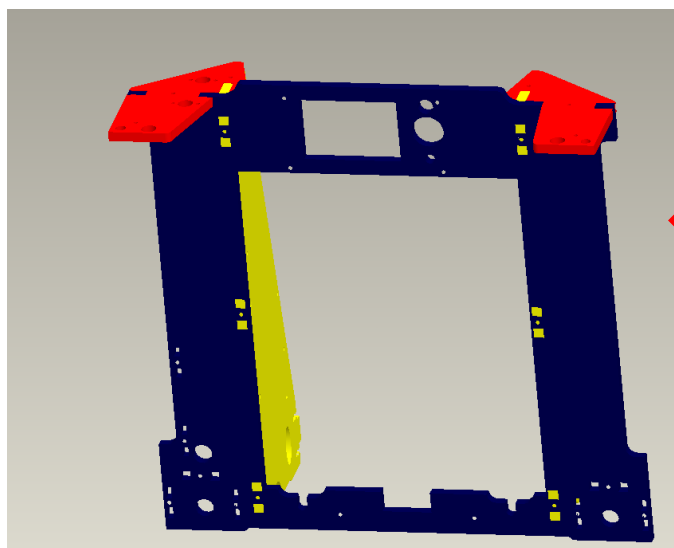
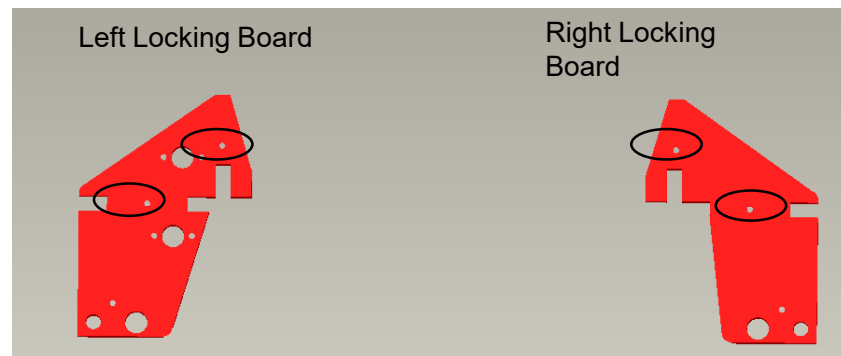


Please pay attention to the direction of main support plate

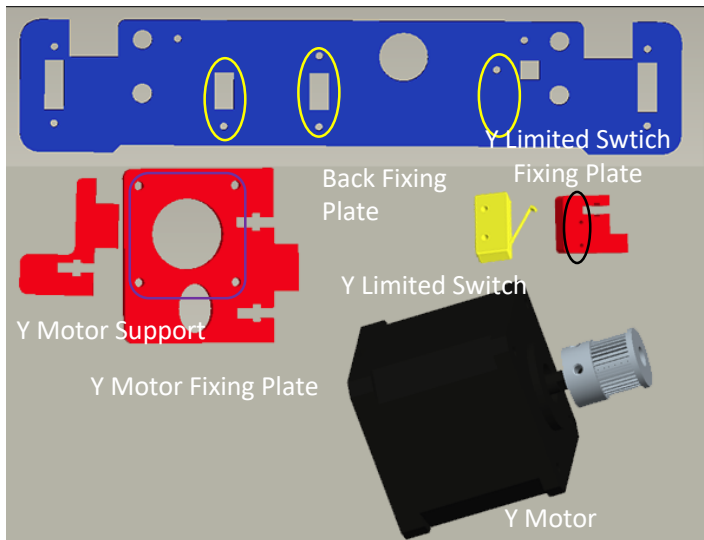
Left&Right Locking Board Installation

02

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

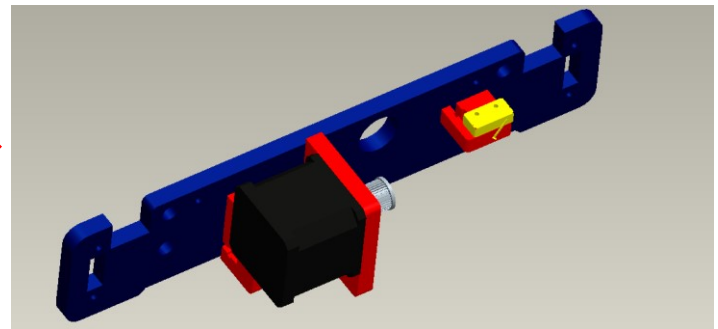
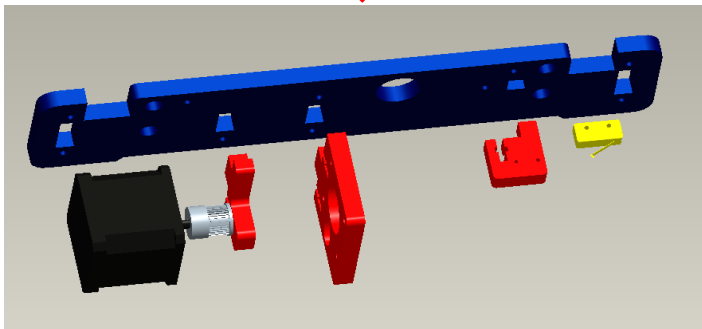


Please pay attention to the direction of Left&Right board



| 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 | |

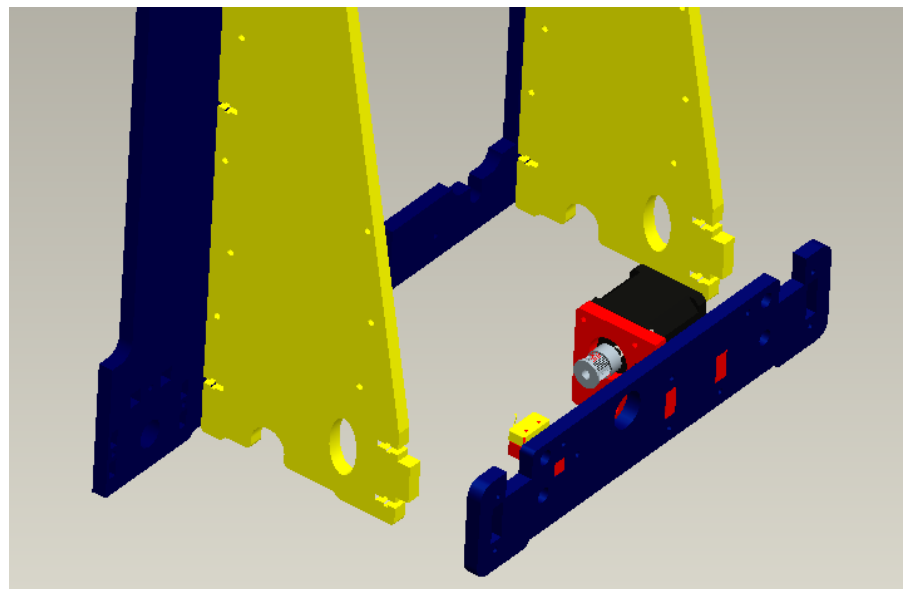
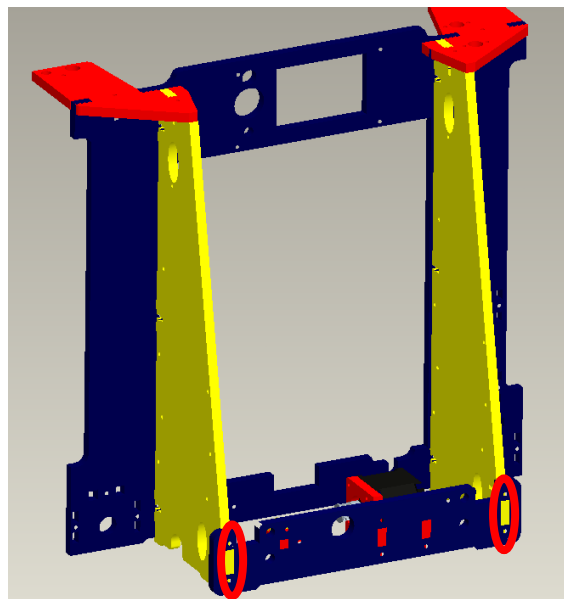
Please pay attention to the direction of motor and Fixing plate



Back Fixing Plate Installation

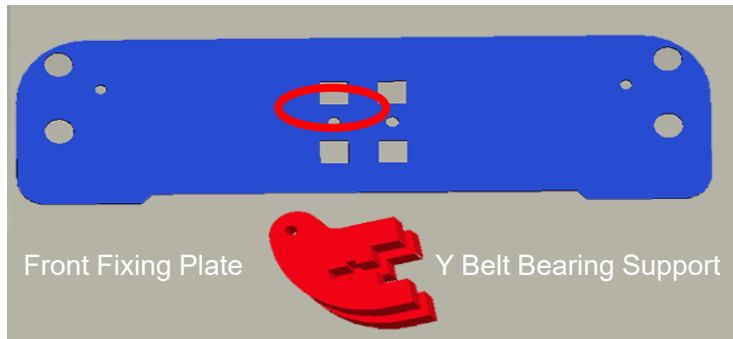
04


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

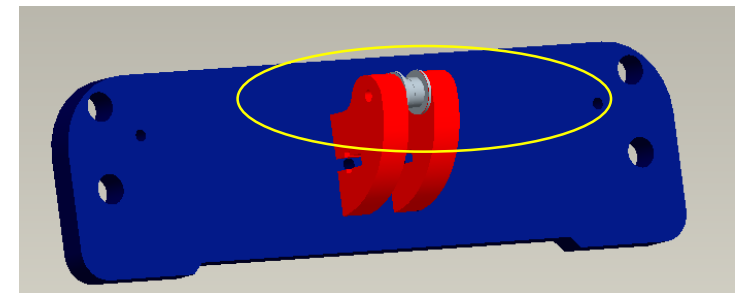
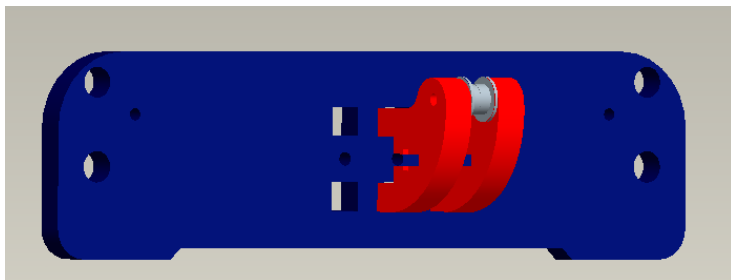


05

Front Fixing Plate Installation



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

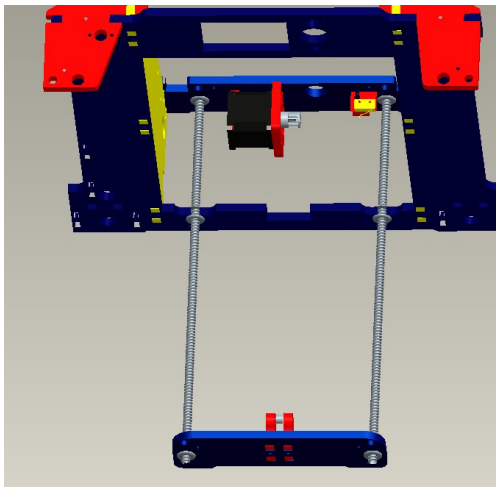
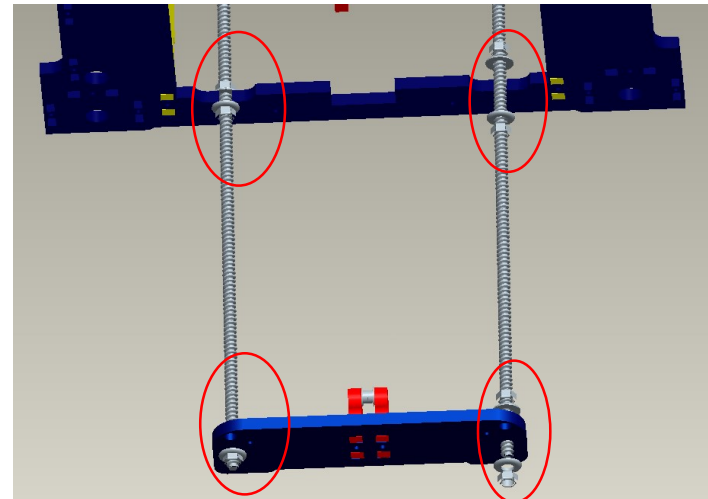
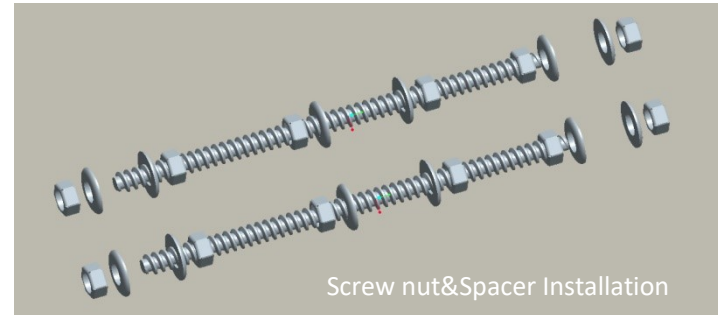


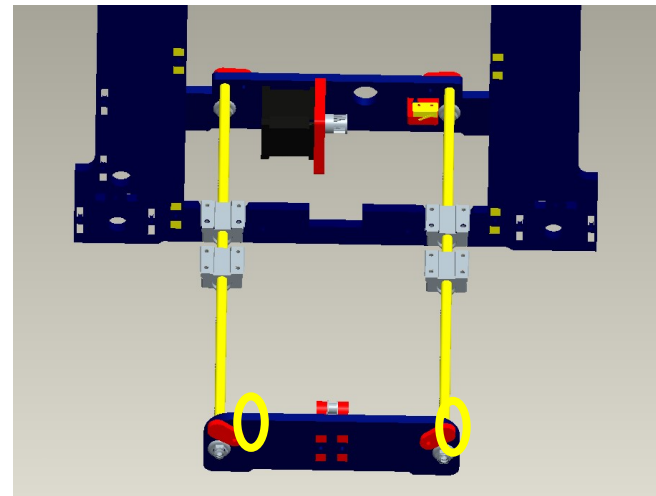
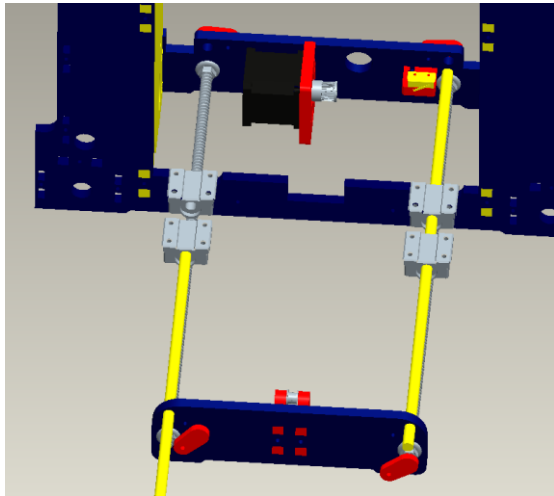
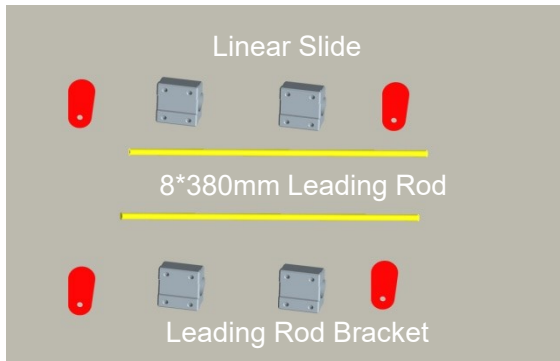
Attention: The belt bearing up

Front Fixing Plate Installation

06

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



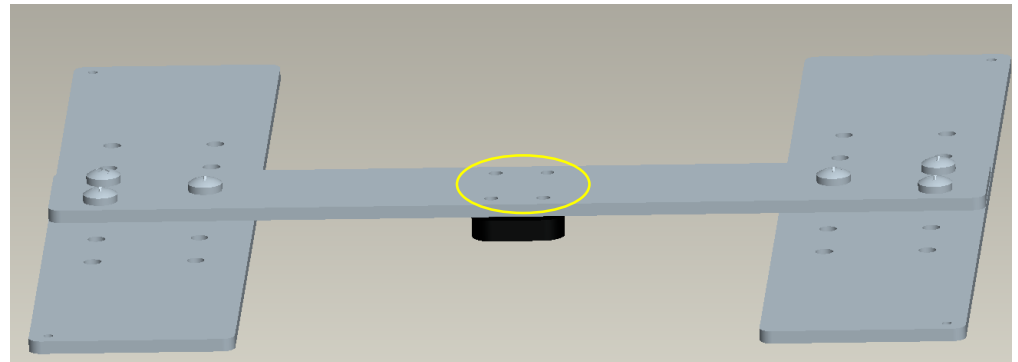
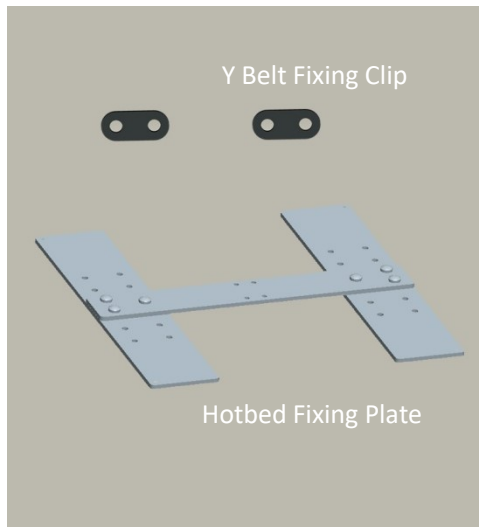


| Name | QTY | Note |
|---------------------|-----|------|
| 8*380mm Leading Rod | 2 | |
| Linear Slide | 4 | |
| Leading Rod Bracket | 4 | |
| M3*18 Screw | 4 | 0 |
| M3 Nut | 4 | |

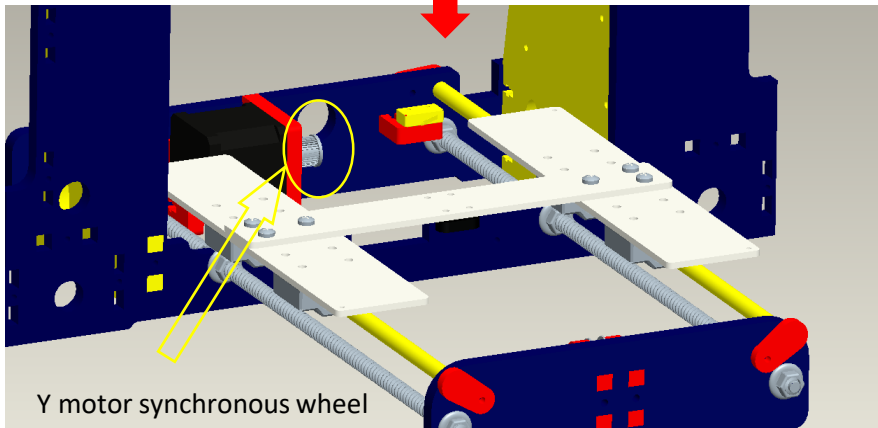
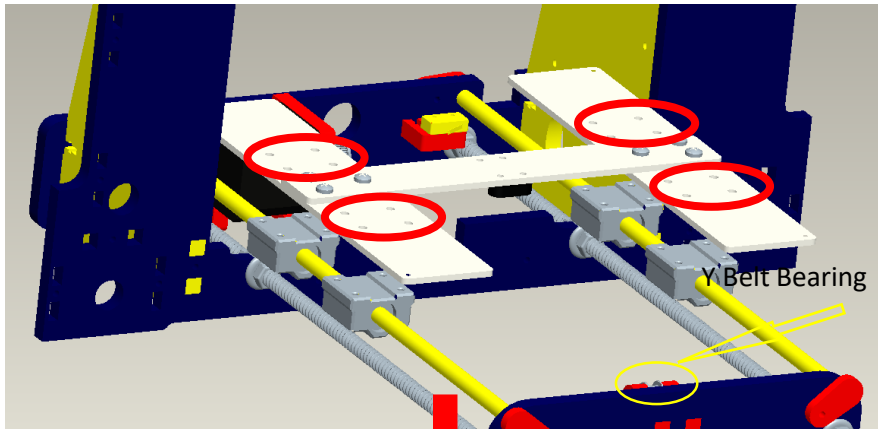
Hotbed Fixing Plate Installation

08

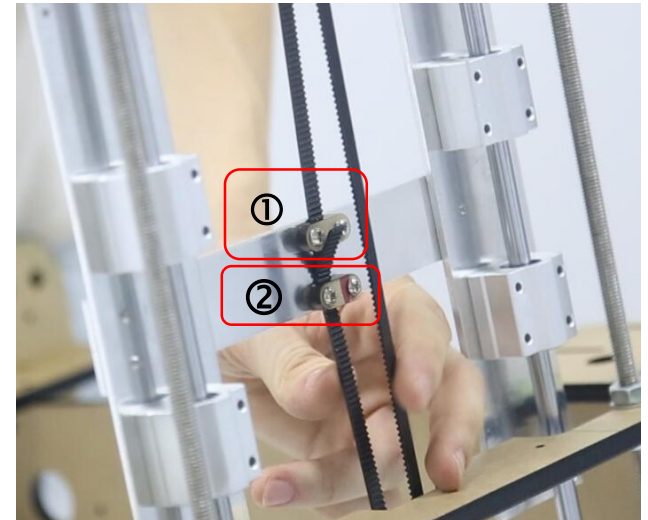
| Name | QTY | Note |
|---------------------|-----|------|
| Y Belt Fixing Clip | 2 | |
| Hotbed Fixing Plate | 1 | |
| M4*14 Screw | 4 | |



Attention: Leave some gap for screw for belt installation



| Name | QTY | Note |
|------------|-----|------|
| M4*8 Screw | 16 | |

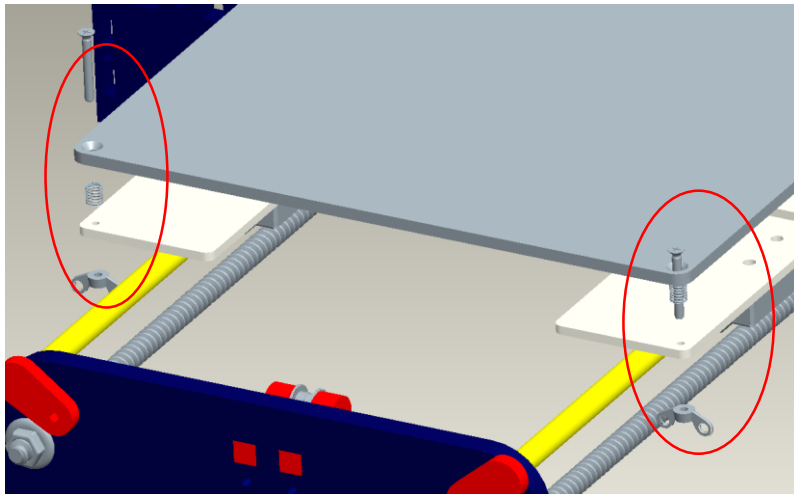


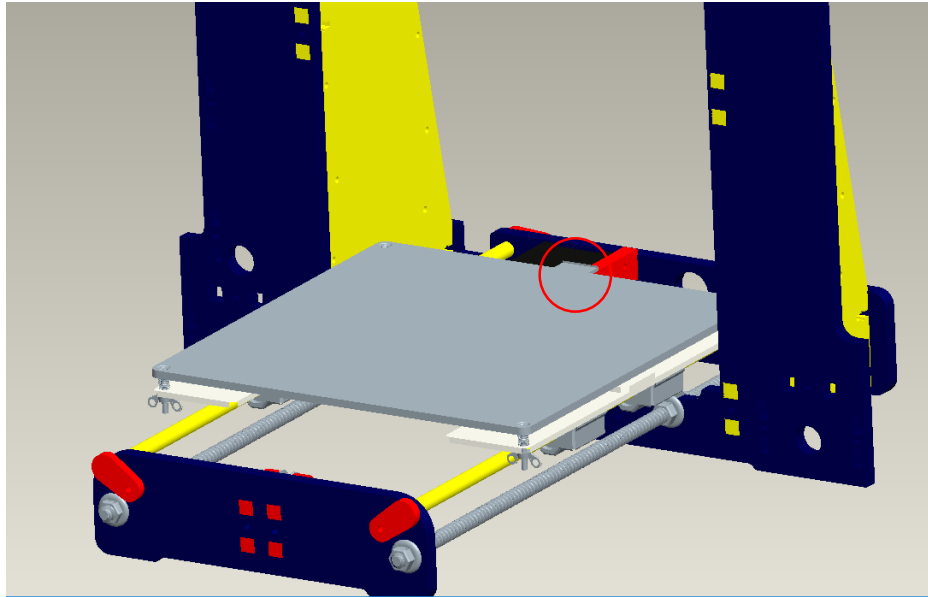
Fixate one end of the belt on ① , pass belt through Y motor syn chronous wheel , through Y belt bearing and fixate on ② (Meanwhile tension belt)

Hotbed Installation

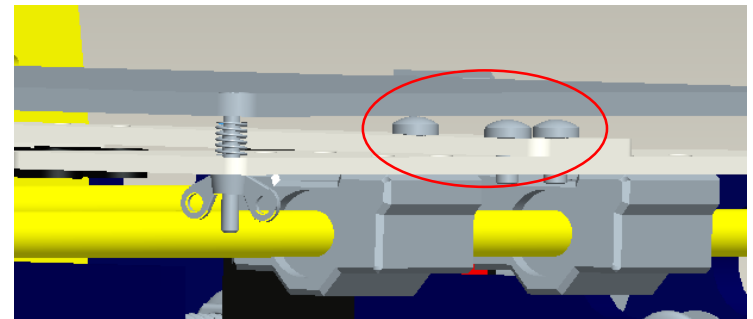
10

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

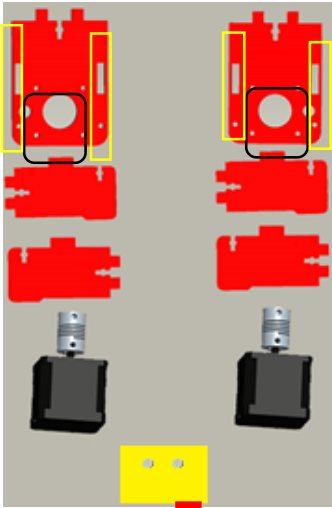




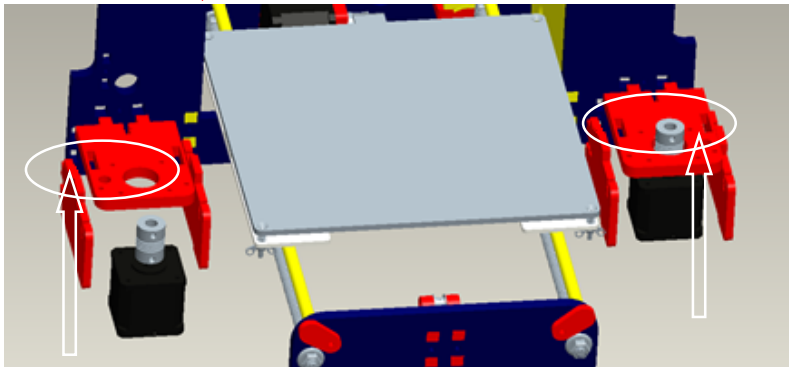
The connection head should go towards Y motor direction



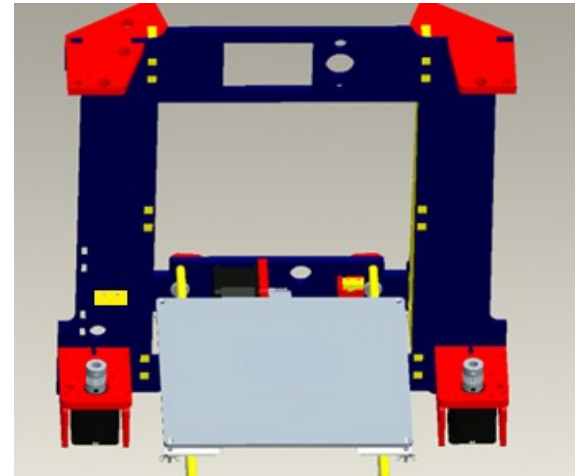
The gap between hotbed&hotbed fixing plate screw is about 5mm



| 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 | |

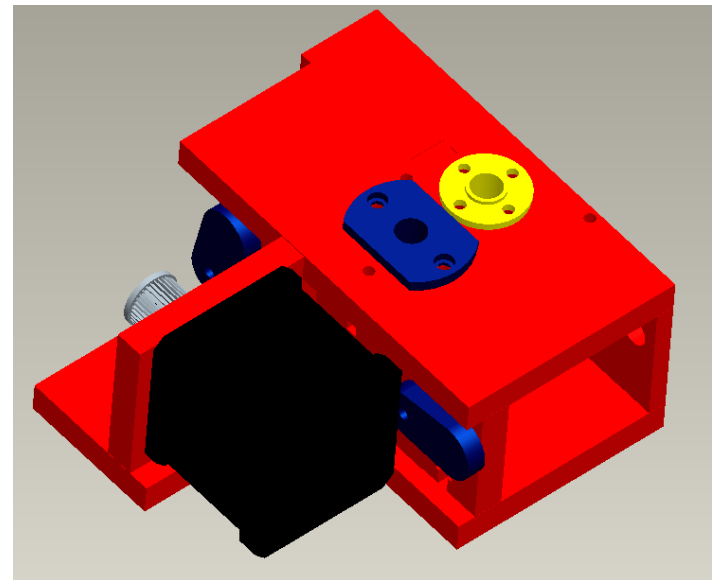
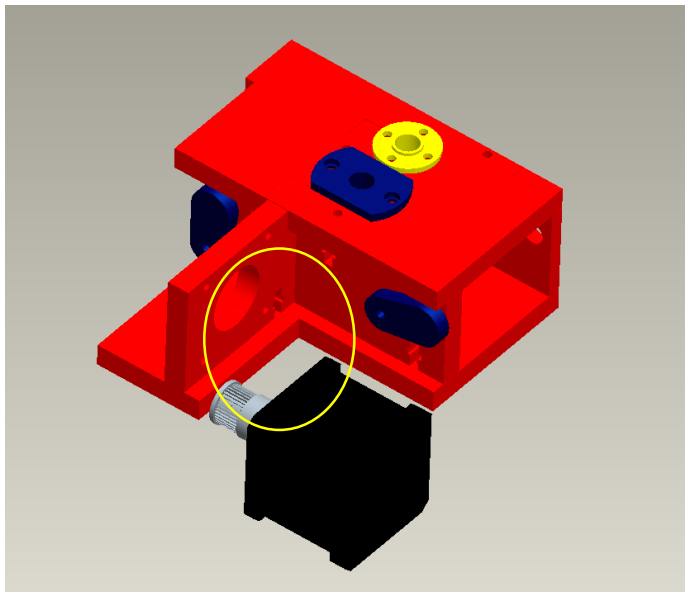


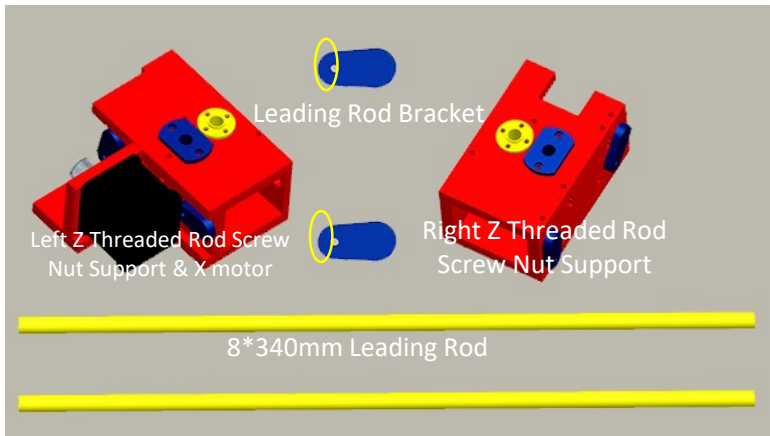
The Small hole should face outward



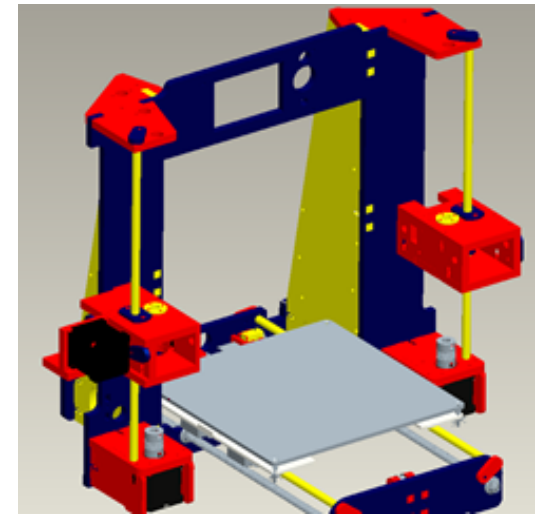
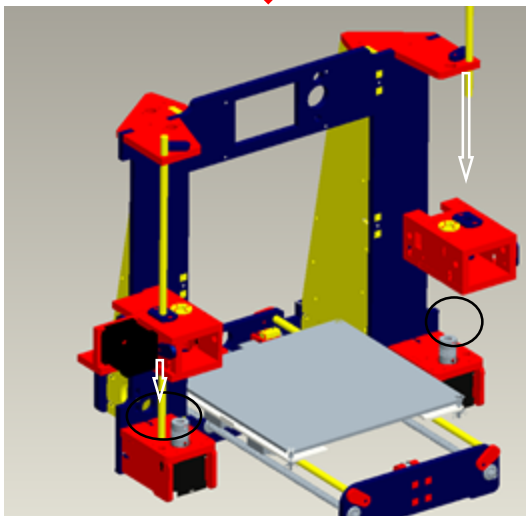
Left Z Threaded Rod Screw Nut Support Installation 12

| 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

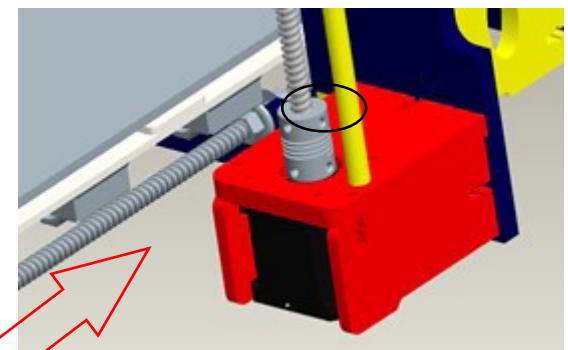
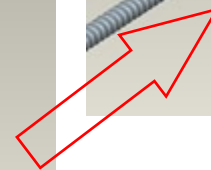
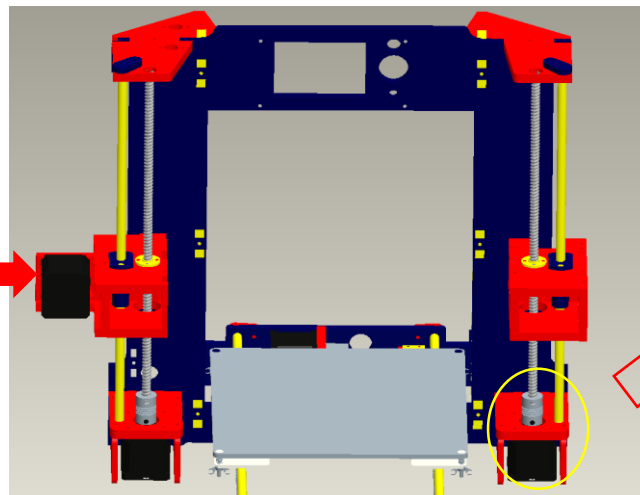
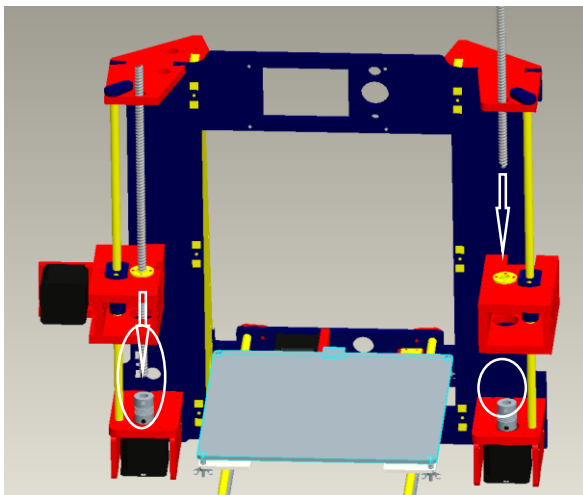
T Threaded Rod Installation

14

| Name | QTY | Note |
|-----------------------|-----|------|
| Threaded Rod M8*318mm | 2 | |

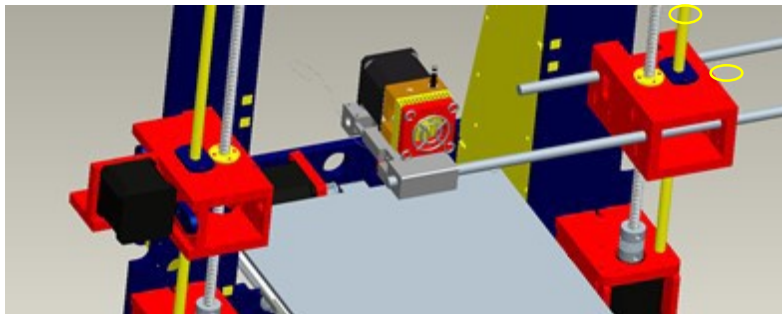
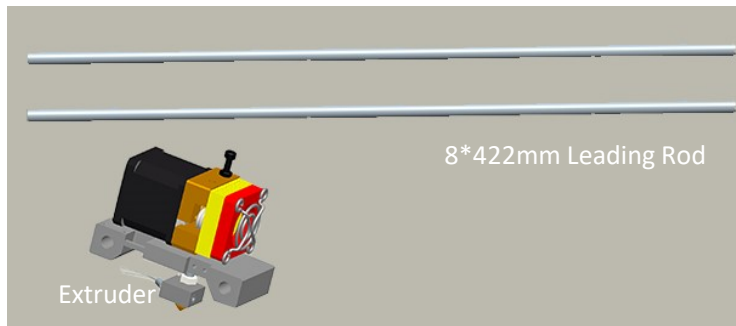


Threaded Rod M8*318mm

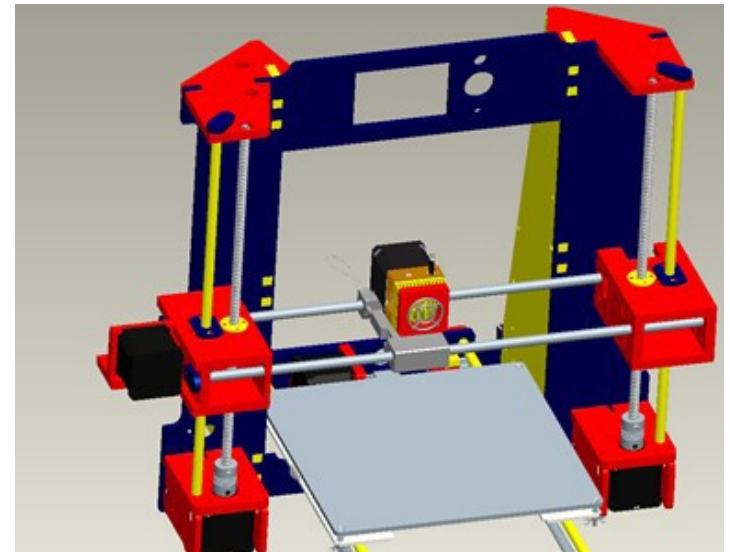


Loose set screw , install threaded rod
and then tighten it .

Threaded Rod Installation





Loose M3 screw to install leading rod

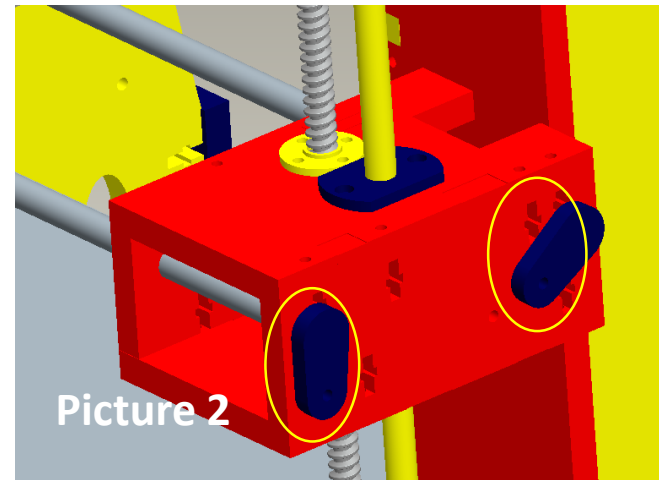
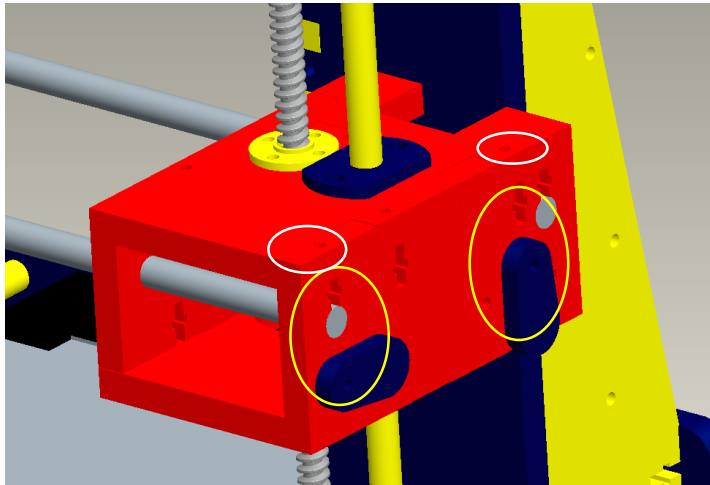


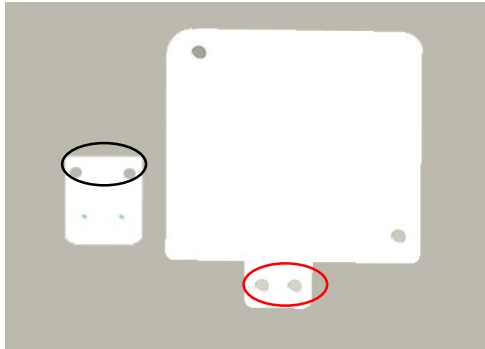
| Name | QTY | Note |
|---------------------|-----|------|
| 8*422mm Leading Rod | 2 | |
| Extruder | 1 | |

X Leading Rod Bracket Installation

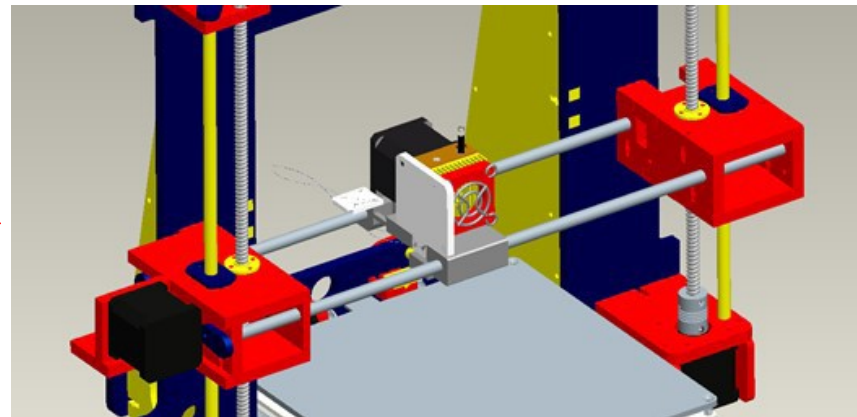
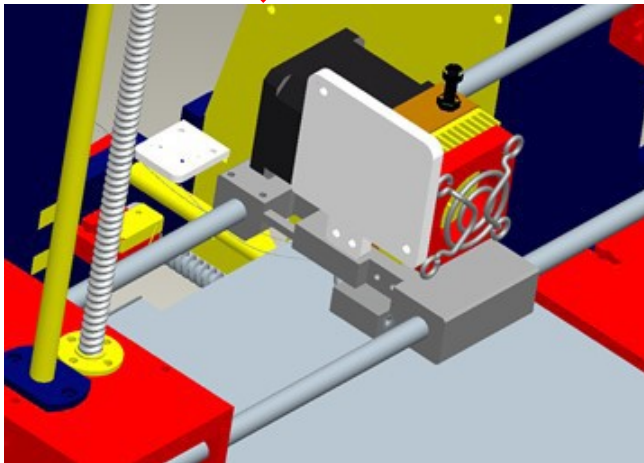
16

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




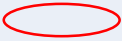


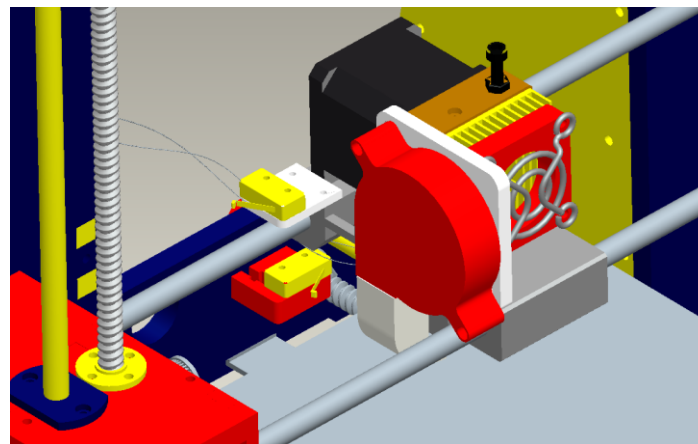
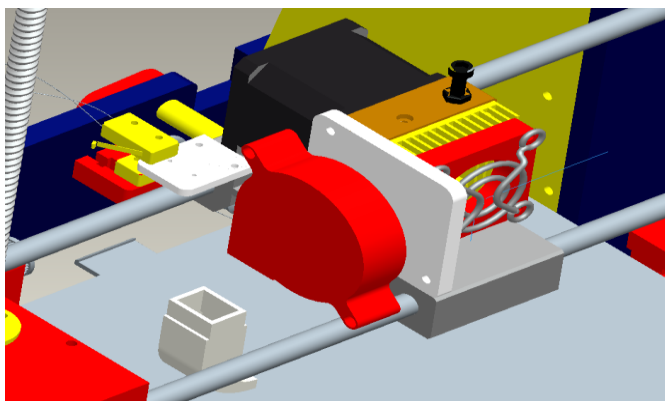
| Name | QTY | Note |
|--------------------------|-----|------|
| X Limited Switch Support | 1 | |
| Blower Support | 1 | |
| M3*10 Screw | 2 | |
| M3*6 Screw | 2 | |

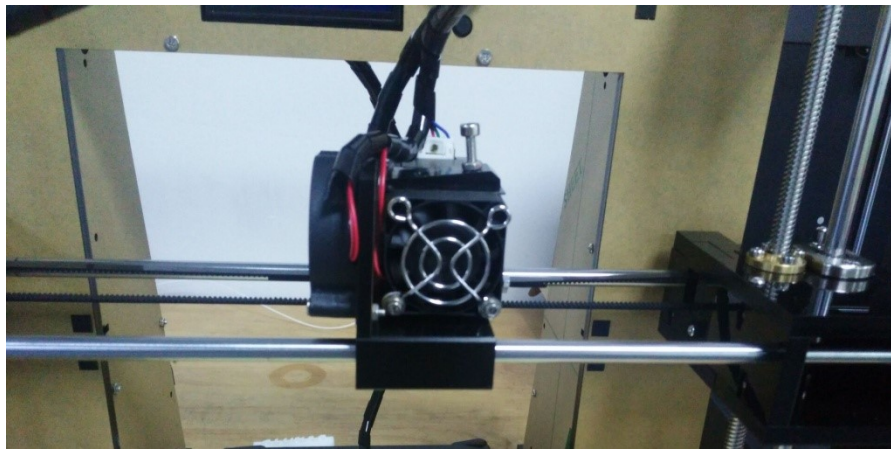
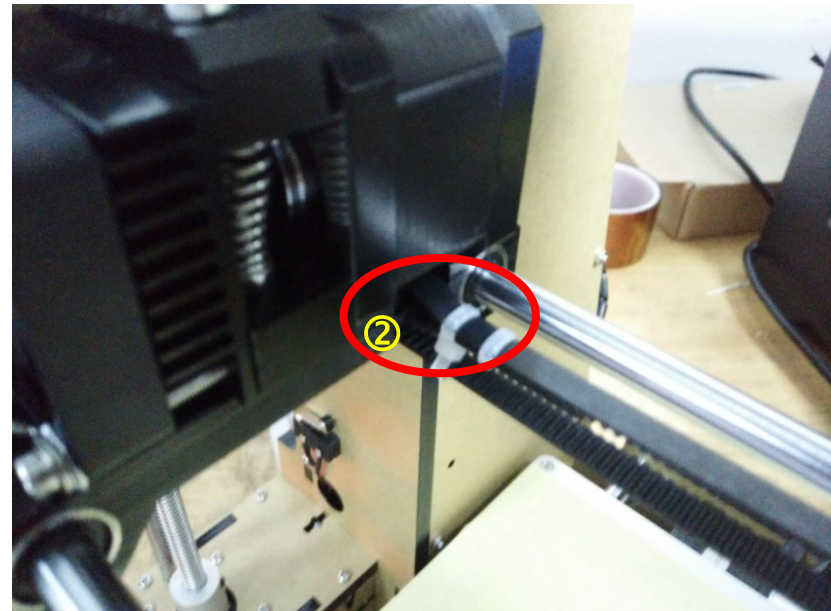


Blower & Limited Switch Installation

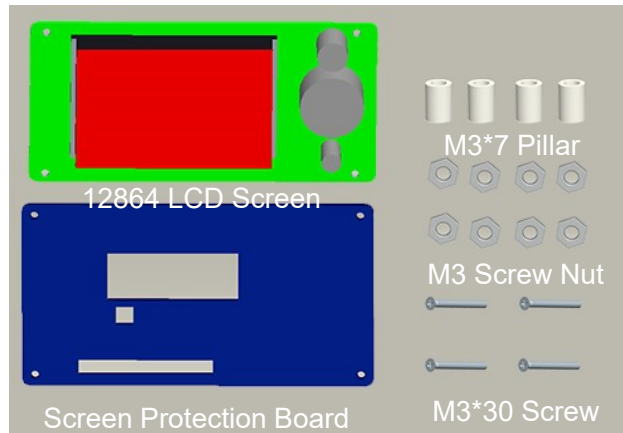
18

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

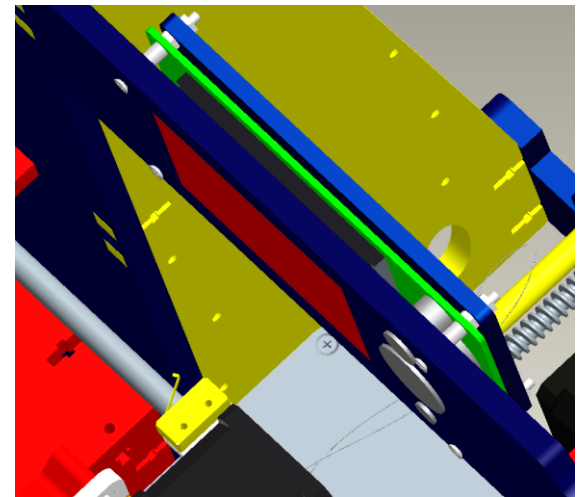
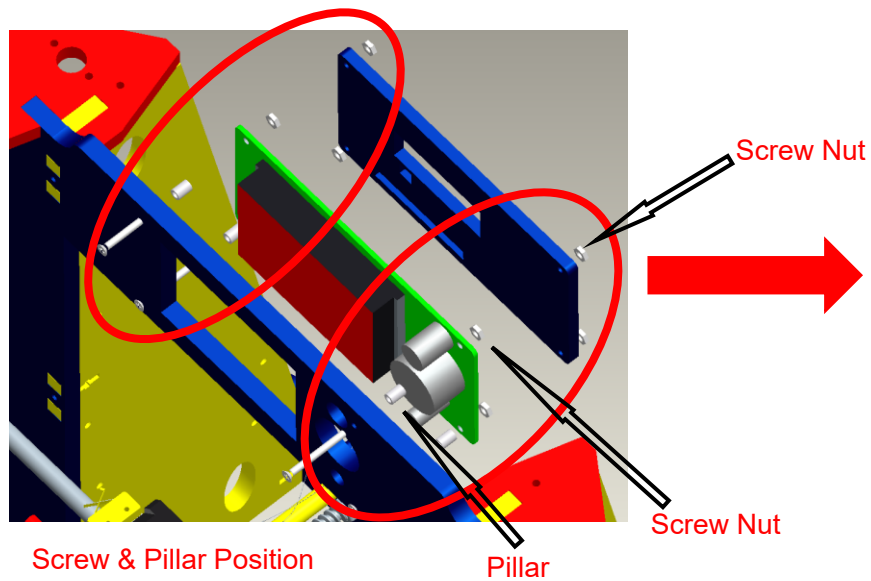




**Fixate belt in ① , Pass belt through
X motor Synchronous wheel and
belt bearing , then pass ② , tension
belt and lock**




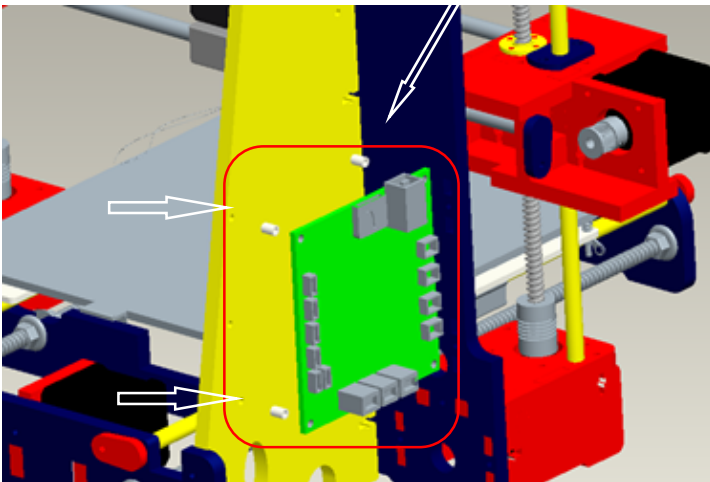
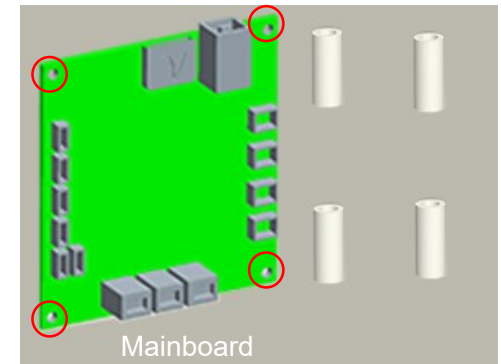
| Name | QTY | Note |
|-------------------------|-----|------|
| 12864 LCD Screen | 1 | |
| Screen Protection Board | 1 | |
| M3*7 Pillar | 4 | 0 |
| M3*30 Screw | 4 | |
| M3 Nut | 8 | |



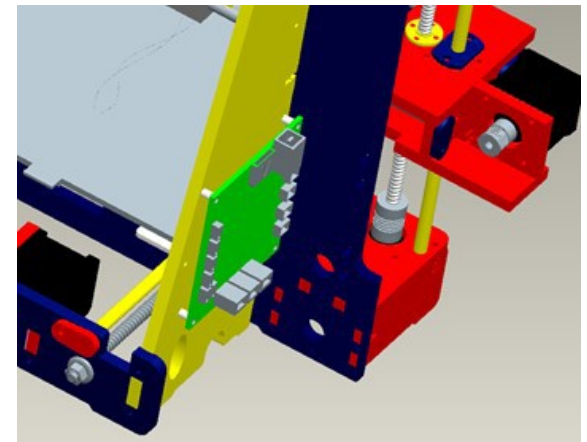
Mainboard Installation

21

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

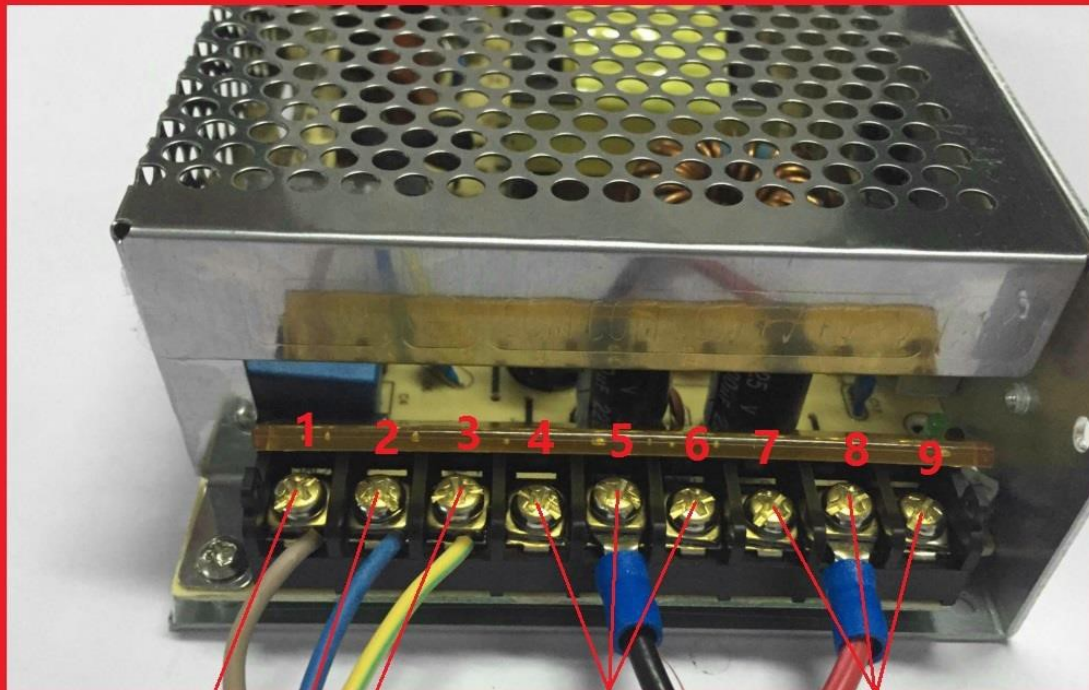


Please Install in the recommended hole

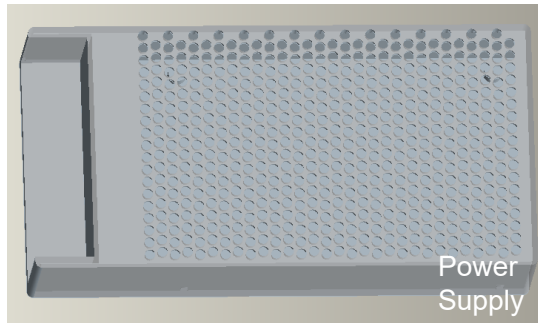


Please install mainboard aside of the left Z threaded rod support

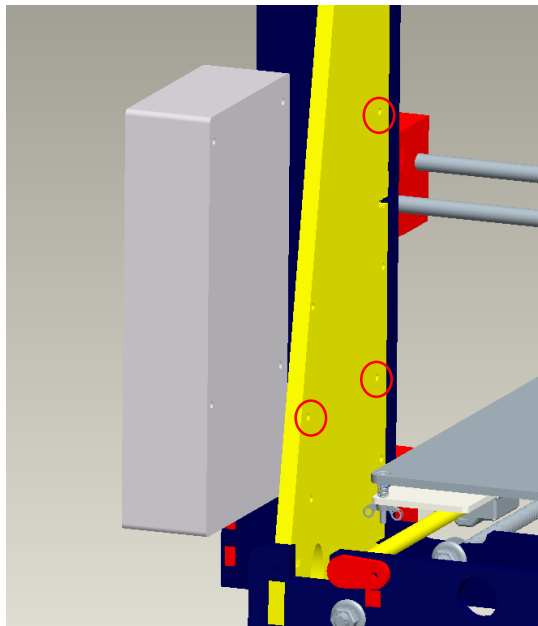
Attention This is the wiring diagram of power supply. 1, 2, 3 separately represent the line of fire (brown), Zero line (blue), ground wire (yellow). 4,5, 6 represent negative pole (black) (-); 7,8,9 represent the positive pole (red) (+). To avoid danger, please assure the installation is correct.



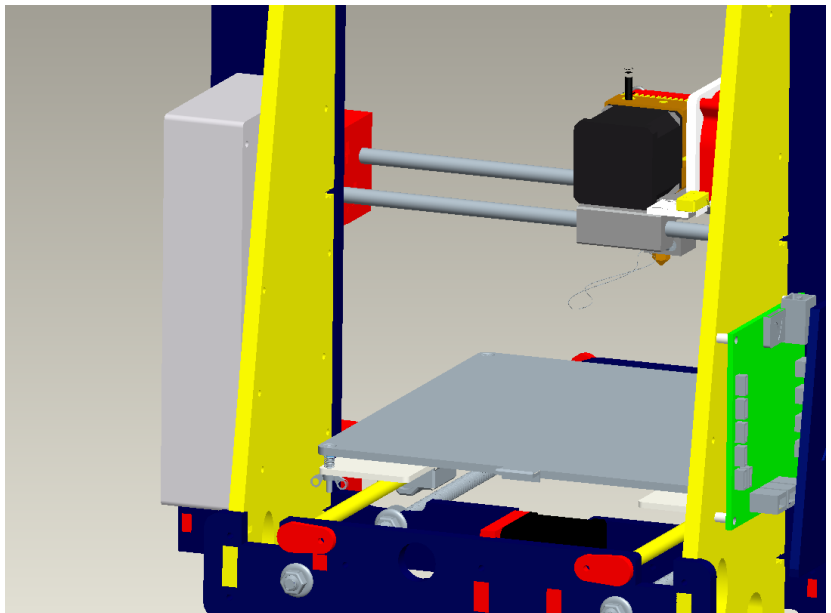
| | | | | |
|-------|------|--------|-------------|----------|
| Brown | blue | yellow | black (COM) | red (+V) |
| 1 | 2 | 3 | 4 5 6 | 7 8 9 |




| Name | QTY | Note |
|--------------|-----|------|
| Power Supply | 1 | |
| M3*12 Screw | 3 | |

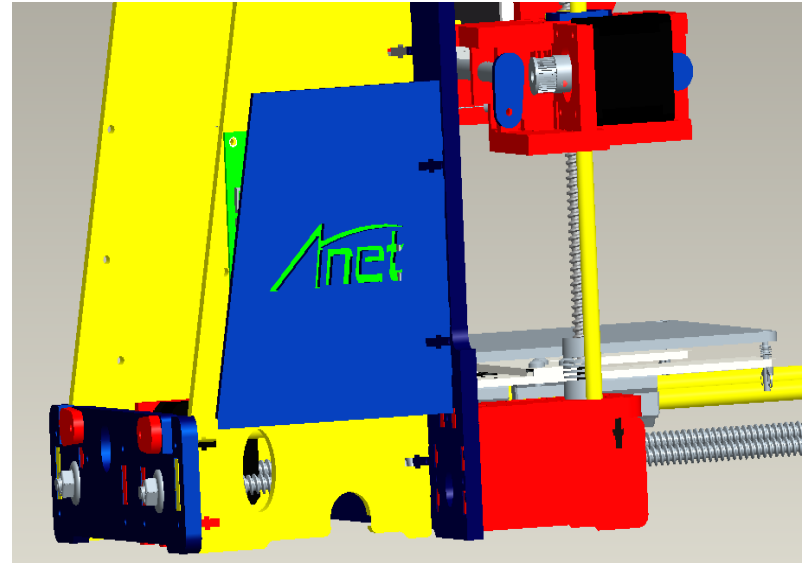
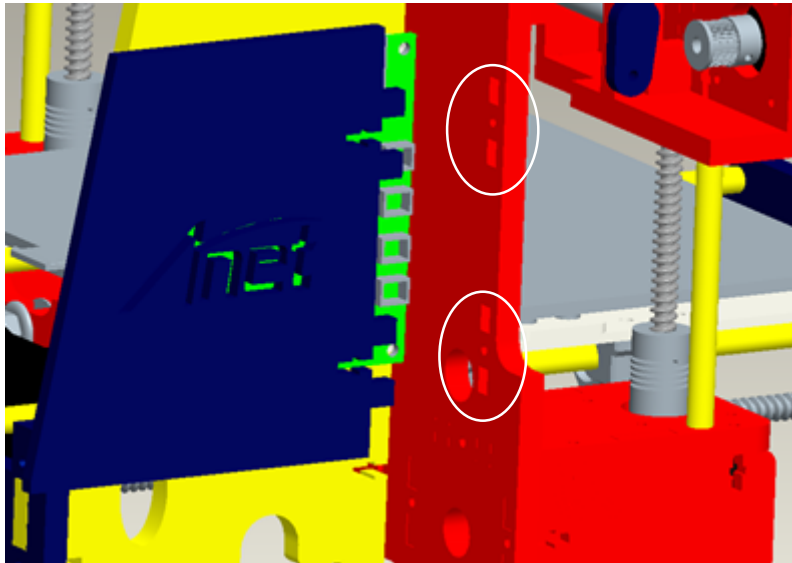


Please Install power supply in the recommended hole

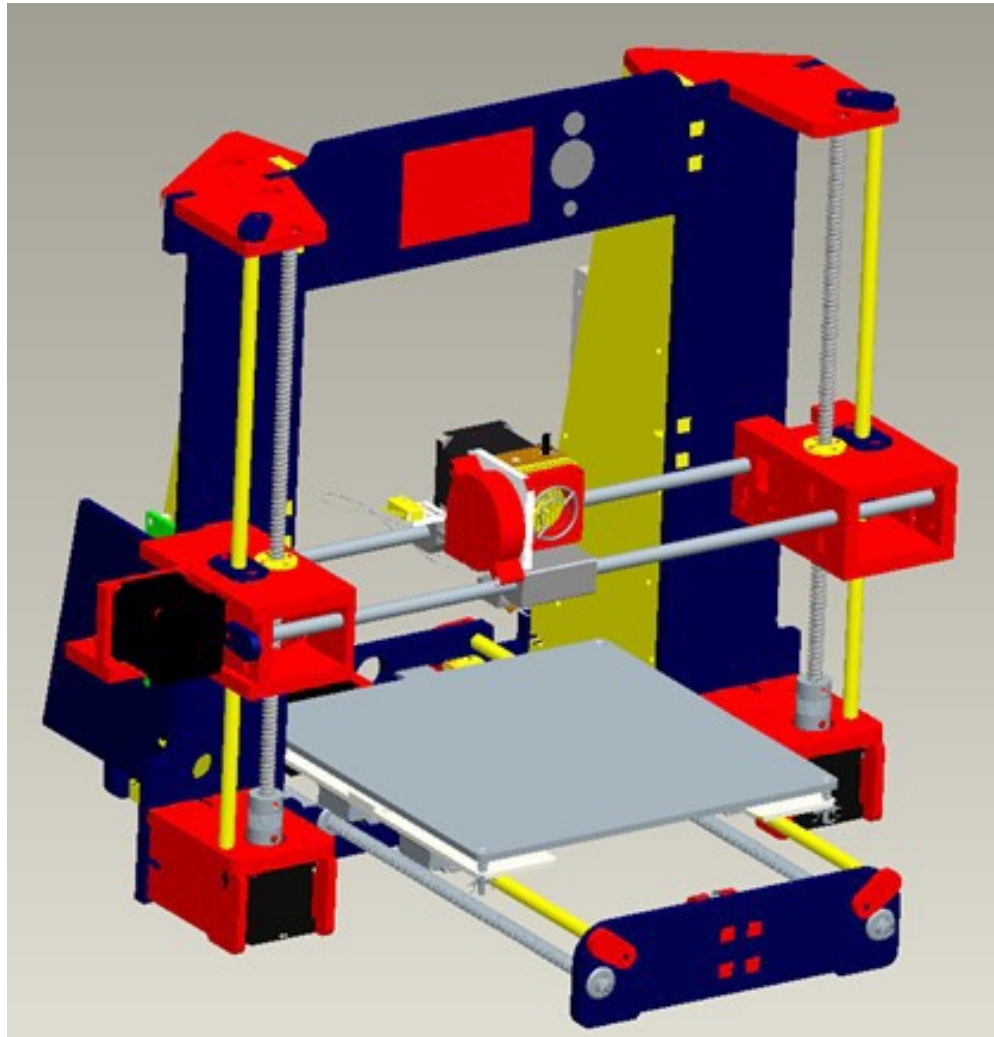


| Name | QTY | Note |
|----------------------------|-----|---|
| Mainboard Protection Board | 1 | |
| M3*18 Screw | 2 |  |
| M3 Nut | 2 | |

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



Finished Map

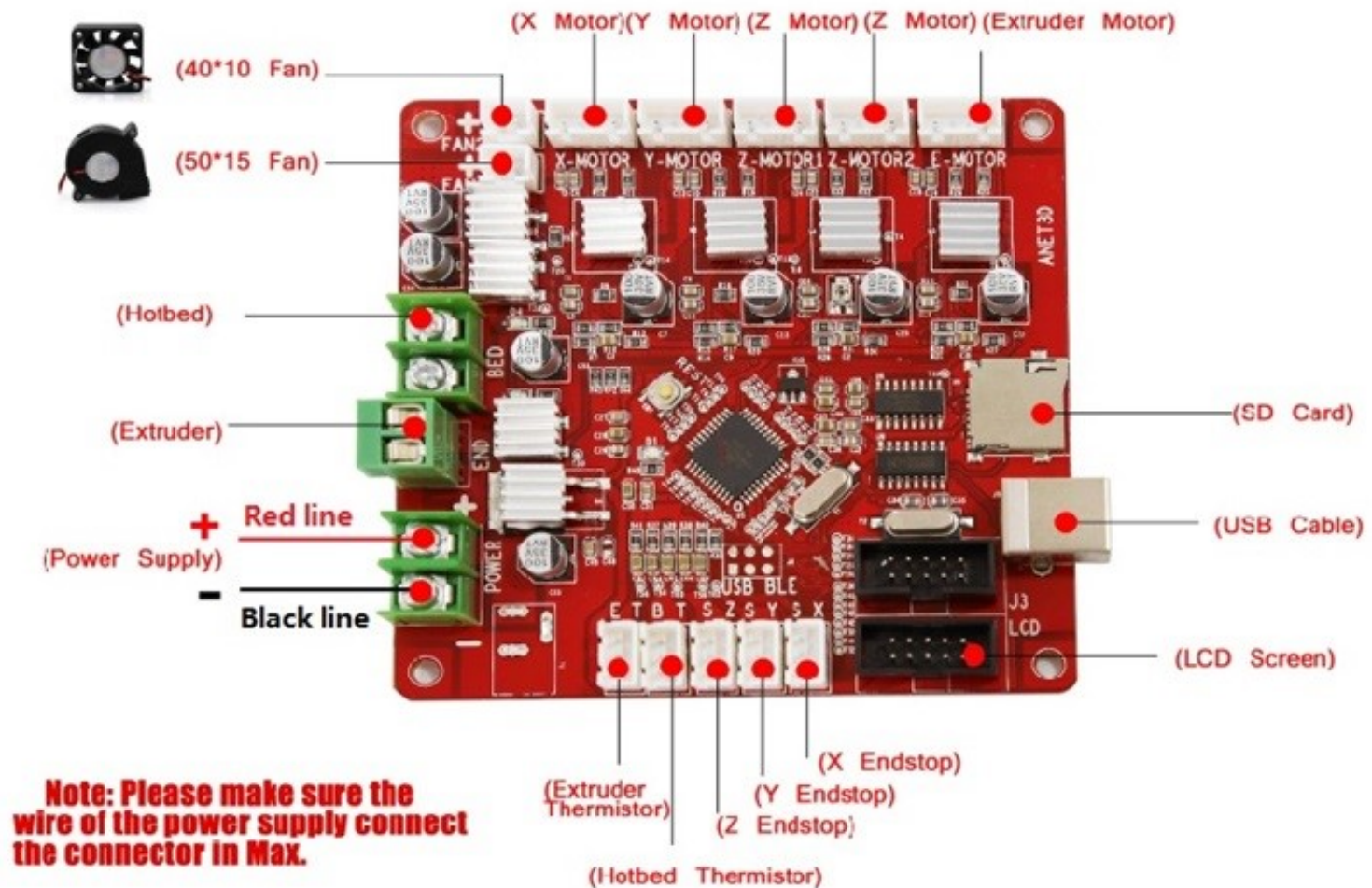


Attention: Please link components with corresponding wires , especially motor wire & limited switch wire.

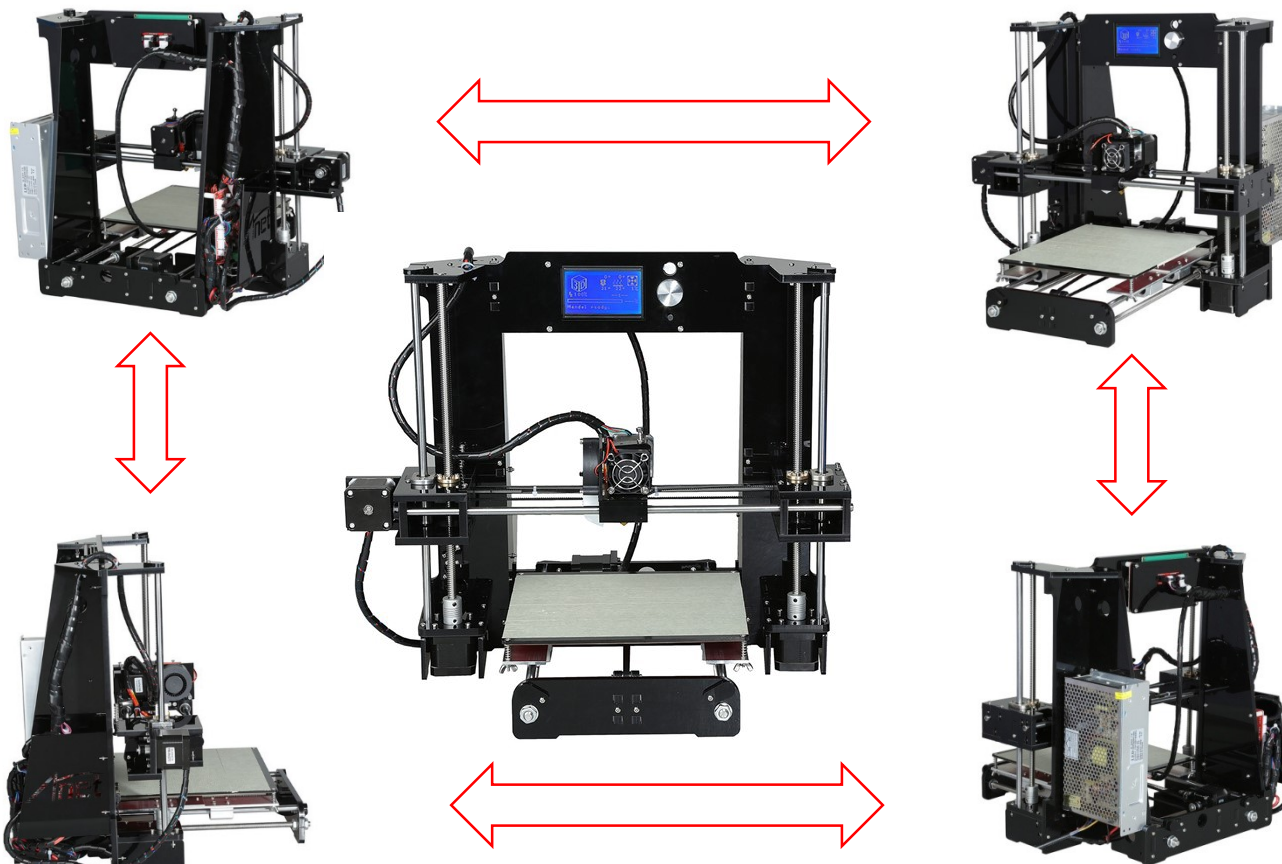
Length of Each Wire of A6

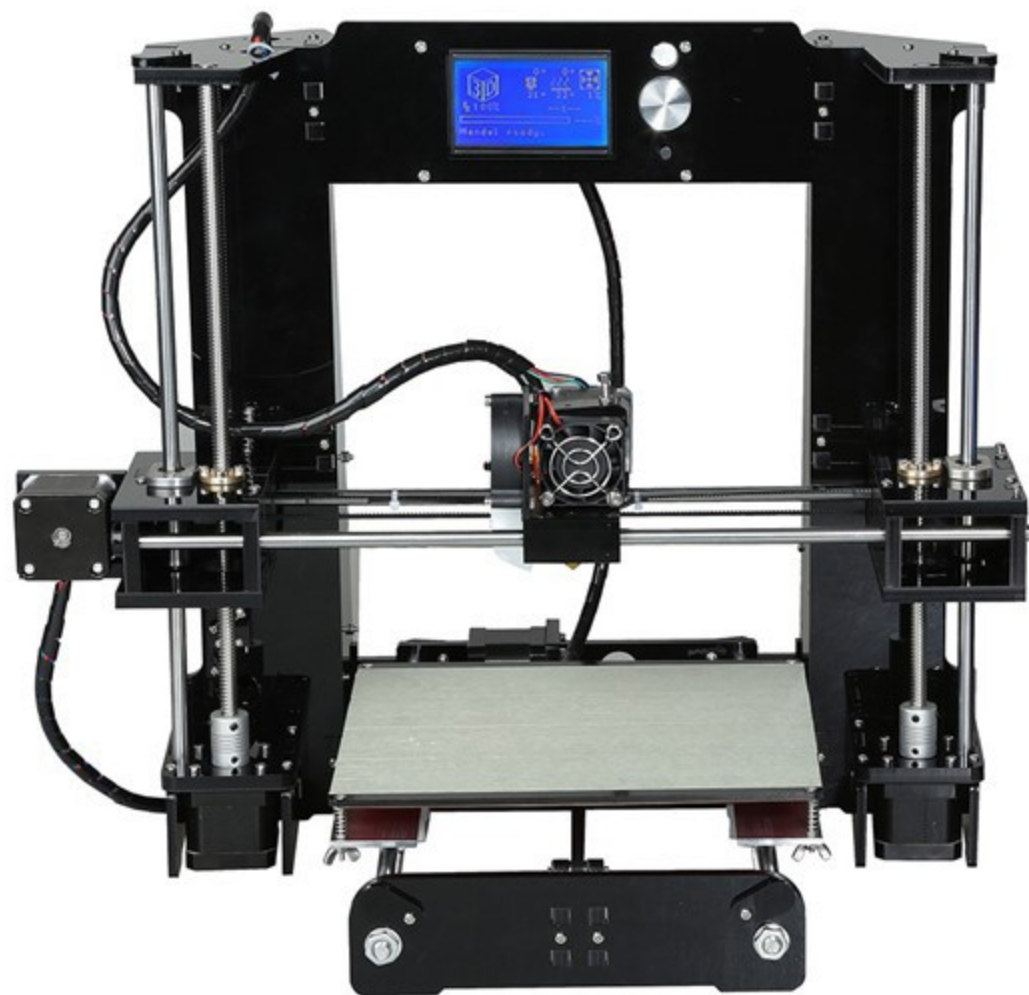
| NO | Component | Lenth (mm) |
|----|--------------------------|------------|
| 1 | X motor line | 400 |
| 2 | Y motor line | 400 |
| 3 | 1500 | 400 |
| 4 | Right Z motor line | 900 |
| 5 | Extruder motor line | 900 |
| 6 | X limited switch line | 900 |
| 7 | Y limited switch line | 700 |
| 8 | Z limited 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 compenents with corresponding wires



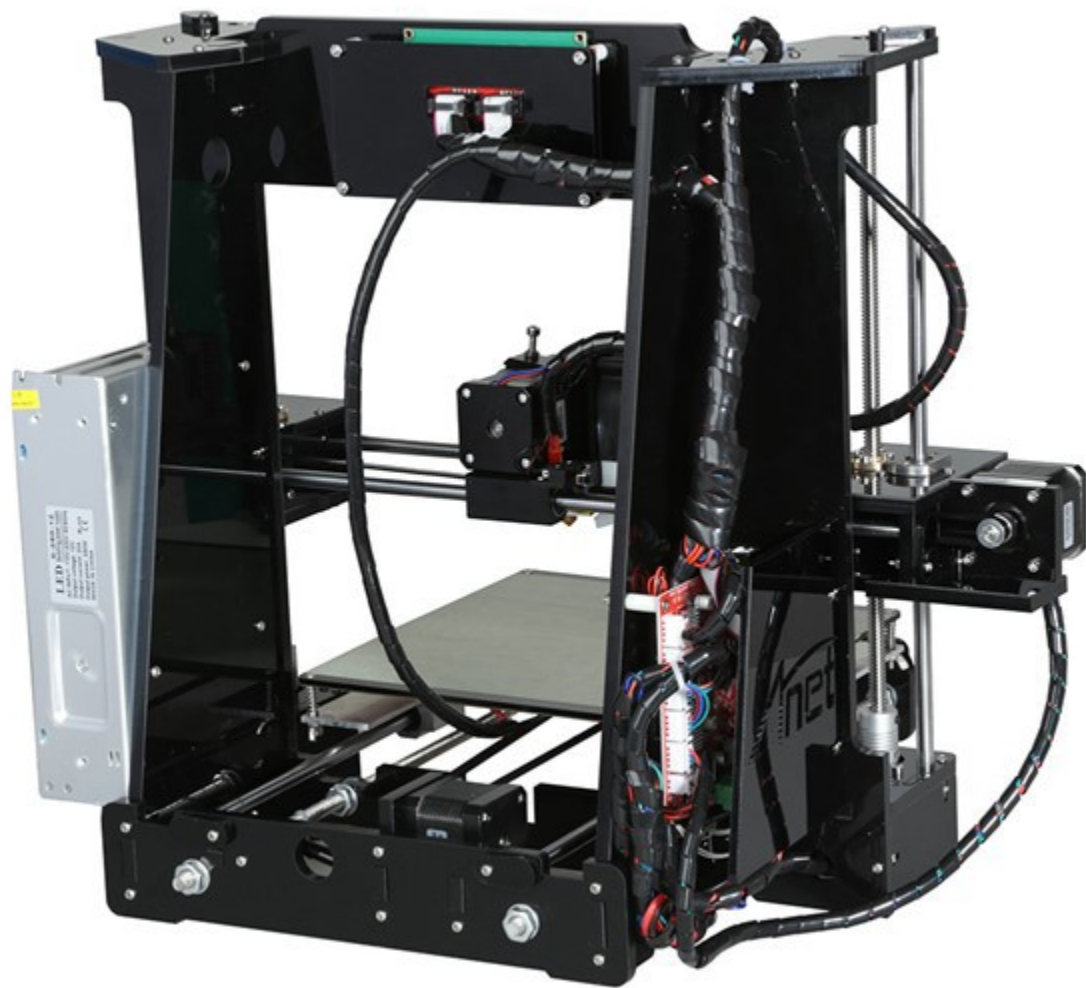
Printer Display

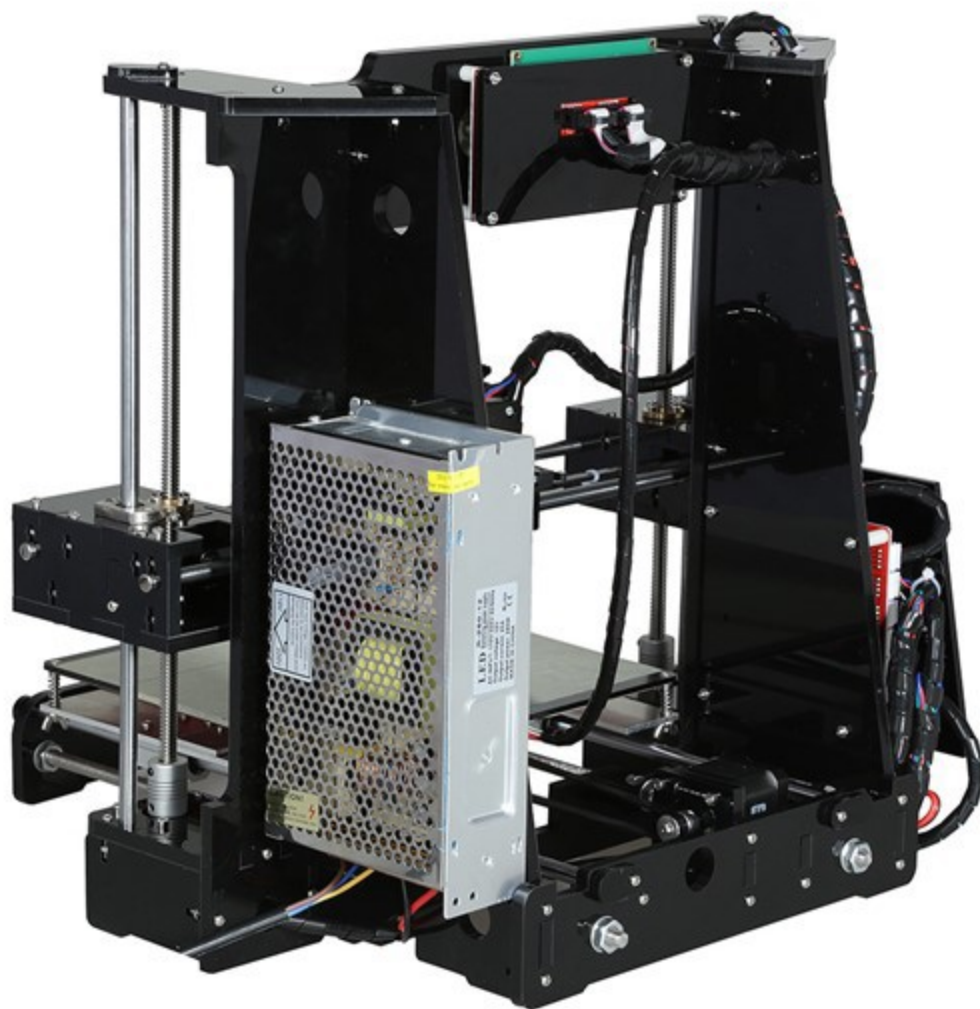












Installation Complete

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.