Genmitsu

4040 Reno Extension Kit Installation Guide

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Thank you for purchasing the Genmitsu 4040 Reno CNC Router Extension Kit from SainSmart.

For technical support, please email us at support@sainsmart.com.

Help and support is also available from our Facebook group. (SainSmart Genmitsu CNC Users Group) Scan QR code to find information.





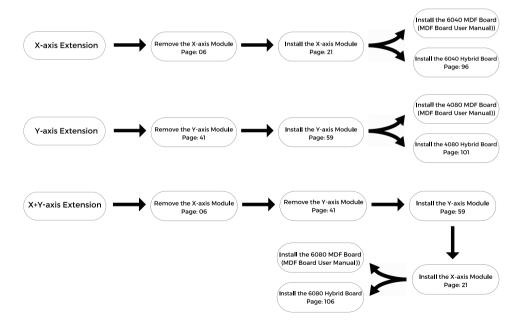
Das deutschsprachige Handbuch kann durch Scannen des folgenden QR-Codes aufgerufen werden 日本語マニュアルは以下のQRコードをスキャンして入手できます





This manual contains installation instructions for the hybrid spoilboard, and the MDF spoilboard installation instructions can be found in the corresponding manuals.

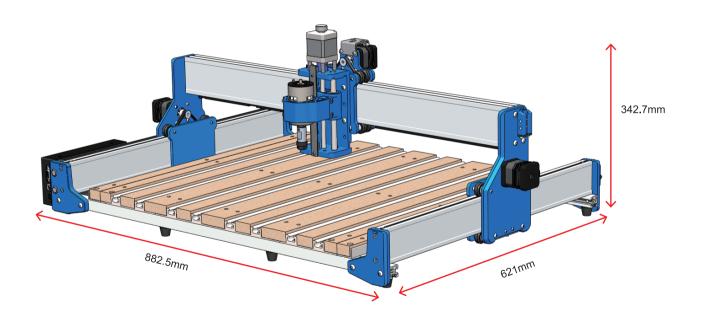
In order for you to have a better experience, please make sure to inventory the materials first and read the installation manual carefully before installing. Please select the installation steps according to your needs.





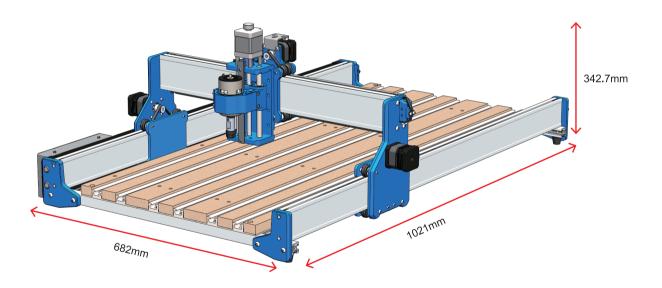
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6040 Reno



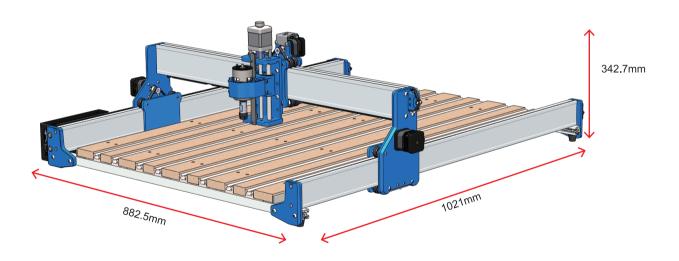


4080 Reno





6080 Reno



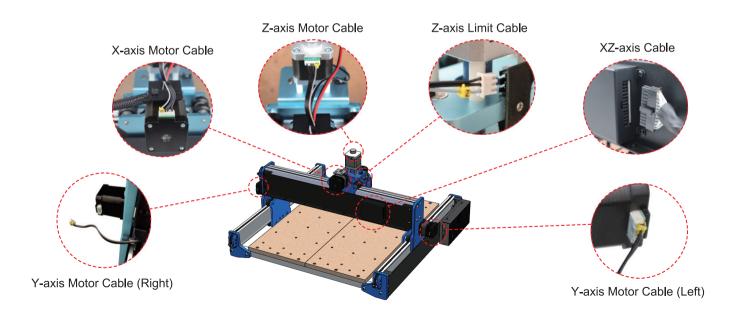
PART 1: X-axis Extension Module



Step 1: Disconnect Cables

Gently disconnect and remove all the cables connected.

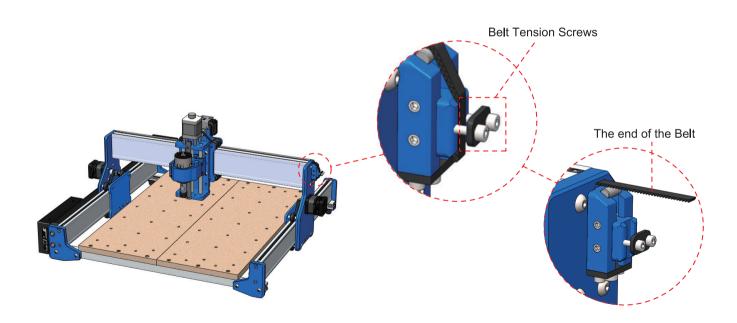
Tip: Note how and where each cable is connected for easy reconnection later.





Step 2: Remove the X-axis Module

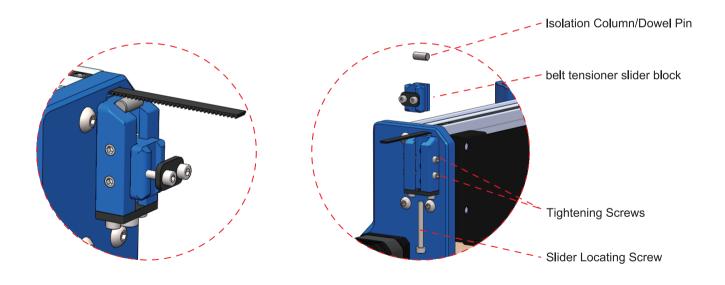
1. Loosen the belt tensioner screws and pull out the end of the belt.





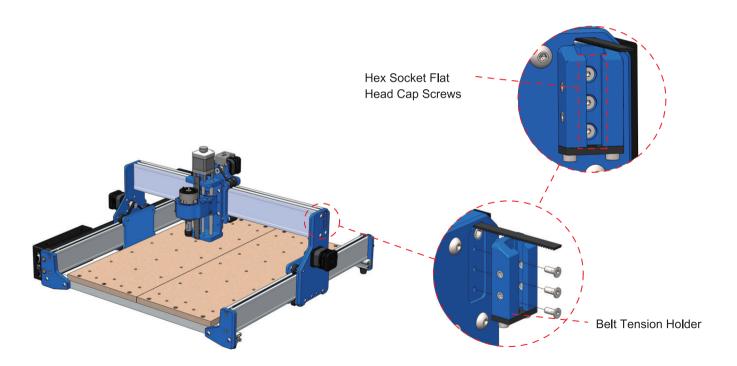
- 2. Loosen the (4) tightening screws, then remove the isolation column (dowel pin) and belt tensioner slider block.
- 3. Unscrew and remove the slider locating screw.

Remember to Keep: belt tensioner slider block, tightening screws and slider locating screw.



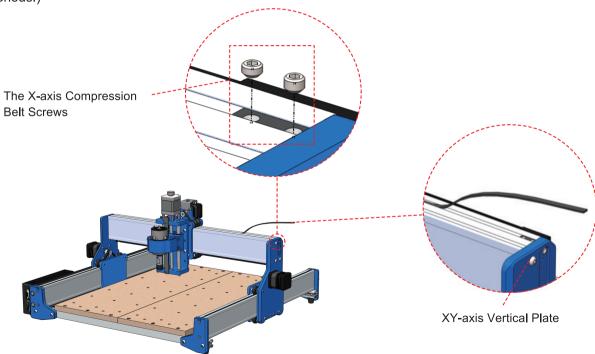


4. Unscrew the (3) hex socket flat head cap screws on the belt tensioner holder, and removed the belt tension holder. **Remember to Keep:** belt tensioner holder.



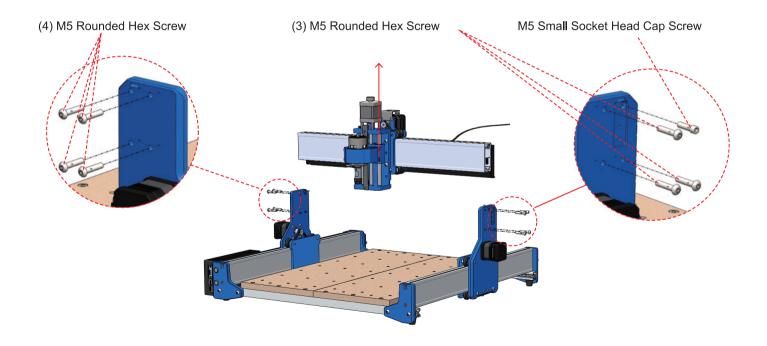


5. Unscrew the (2) X-axis compression belt screws at the XY-axis vertical plate on the side of the belt tensioner as shown, and pull the belt out of the riser here. (Not pulling out the belt will make subsequent removal of the XZ module more laborious.)



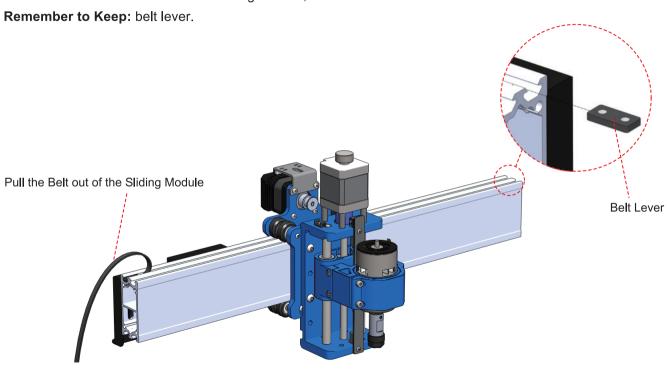


6. Unscrew (7) M5 rounded hex screws and (1) M5 Small Socket Head Cap Screw at the two XY-axis vertical plates, followed by carefully removing the X-Z module.



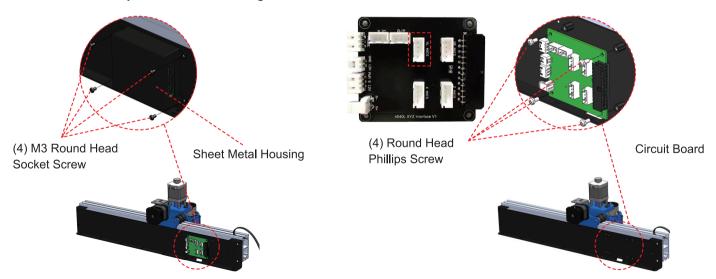


7. Remove the X-axis belt from the sliding module, and remove the belt lever.



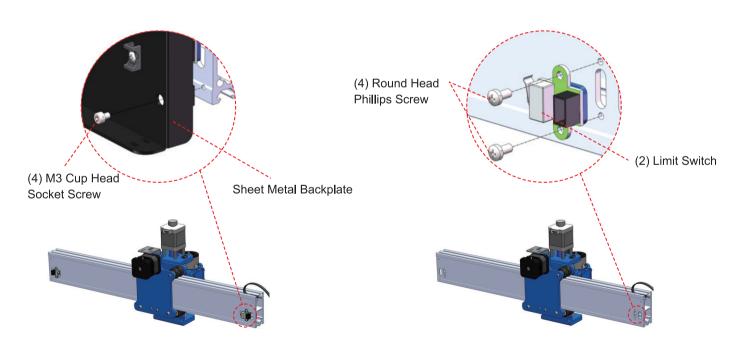
- 8. Remove the X-axis Control Board.
 - 8.1 Unscrew the (4) M3 round head socket screws from the sheet metal housing, remove the sheet metal housing.
 - 8.2 Cut the cable fixing ties and remove the cables from the circuit board. One of the cables connects to the left motor of the Y-axis (as shown) and needs to be retained.
 - 8.3 Unscrew the (4) round head Phillips screws securing the circuit board, and remove the circuit board.

Remember to Keep: sheet metal housing and circuit board.



- 9. Unscrew the (4) M3 cup head socket screws and remove the sheet metal backplate.
- 10. Unscrew the (4) round head Phillips screws and remove the (2) limit switches.

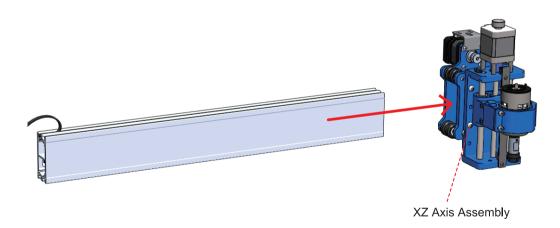
Remember to Keep: limit switches.





11. Slide the XZ-axis assembly out of the X-axis custom profile.

Remember to Keep: XZ-axis assembly.

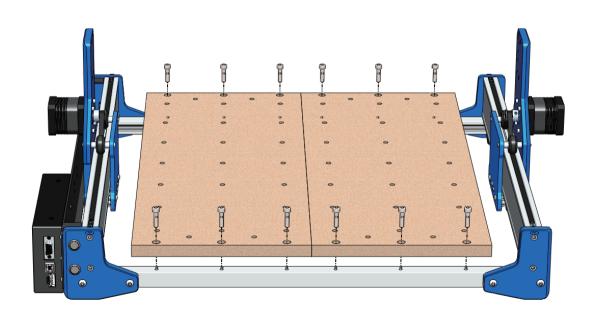




Step 3: Remove the Y-axis Module Platform and MDF Board

1. Unscrew the (12) M5 cup head socket screws and remove the (2) MDF boards.

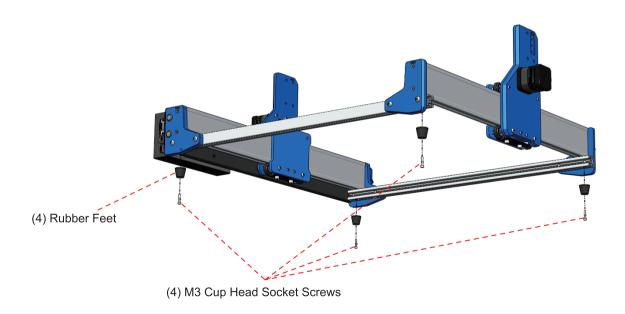
Remember to Keep: M5 cup head socket screws and MDF boards.





2. Unscrew the (4) M3 cup head socket screws and remove the (4) rubber feet.

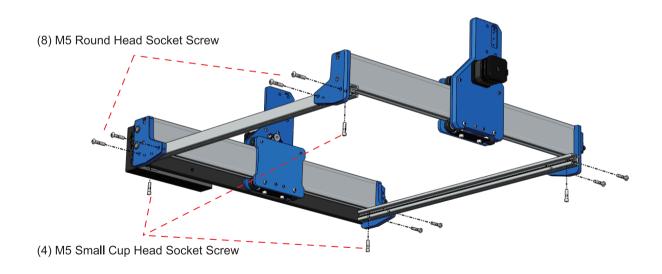
Remember to Keep: M3 cup head socket screws and rubber feet.





- 3. Unscrew the (8) M5 round head socket screws of the profile connecting blocks.
- 4. Unscrew the (4) M5 small cup head socket screws at the bottom of the profiles.

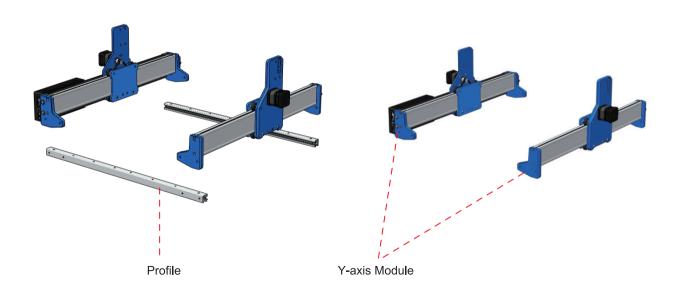
Remember to Keep: M5 round head socket screws and M5 small cup head socket screws.





5. Remove the bottom profiles.

Remember to Keep: Y-axis module.



If you need to install both X-axis and Y-axis extensions, please complete the Y-axis extension module (PART 2, turn to page XX) before installing the X-axis extension module.

Unbox (101-63-40RENO-XE60)



Customized X-axis Profile V-Slot L765mm (Inside Penetration X-axis Limit Cable L=840mm+250mm, Belt)



X-axis Extension Sheet Metal Backplate
(With YR Motor Cable L=820mm X-axis Motor Cable L=820mm Z-axis Motor Cable L=860mm Z-axis Limit Cable L=960mm)



(2) Bottom Profile L783mm



Spindle Cable L=940mm



(5) M3x4mm Cup Head Socket Screw



(5) M3x4mm Round Head Socket Screw

Unbox (101-63-40RENO-XE60)









(9) M3x6mm Round Head Phillips Screw

(4) M3x12mm Socket Head Cap Screw

(2) M4x3mm Flat Hexagon Socket Set Screw

(2) M5x18mm Small Cup Head Hexagon Socket Screw







D5.2-L12mm Dowel Pin

The objects marked with 🖈 in the items required for installation are those that have been previously removed.



Step 1: Assemble the X-axis Module

What you need in this step of the installation:



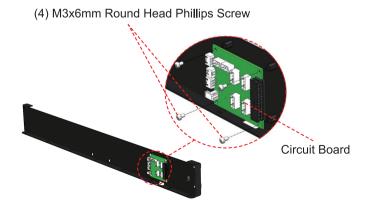


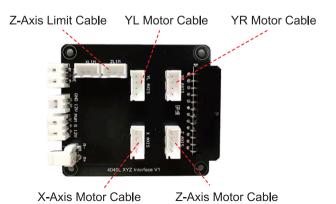


(4) M3x6mm Round Head Phillips Screw

X-axis Extension Sheet Metal Backplate

- ★Circuit Board
- 1. Use (4) M3x6mm round head Phillips screws to mount the circuit board to the X-axis extension sheet metal backplate.
- 2. Connect the cables on the sheet metal backplate to the circuit board as shown.



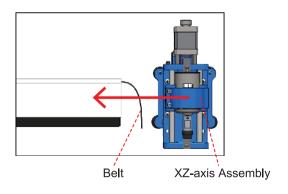


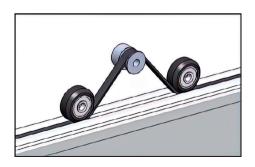


What you need in this step of the installation:



3. Slide the XZ-axis assembly into the customized X-axis profile and pass the belt through the XZ-axis assembly as shown.



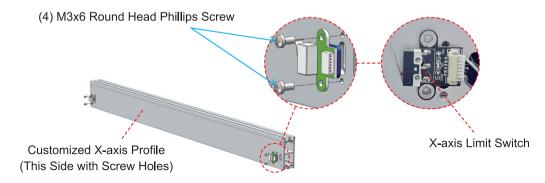




What you need in this step of the installation:



- 4. Use (4) M3x6mm round head Phillips screws to mount the limit switches to the customized X-axis profile.
- 5. Connect the X-axis limit cable terminals at each end of the X-axis profile to the limit switches.





What you need in this step of the installation:



(4) M3x4mm Cup Head Socket Screw



Customized X-axis Profile with Limit Switch



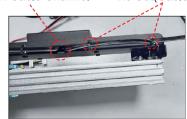
Extended Sheet Metal with Circuit Board Installed

- 6. Place the X-axis module upside down. Pass the X-axis limit cables through the open cable channel, and then connect to the circuit board and the limit switches on both sides.
- 7. Use (4) M3x4 cup head socket screws to mount the sheet metal backplate to the X-axis profile.
- 8. Secure the X-axis limit cable to the bottom of the sheet metal backplate using cable ties.



Tie Set(Cable Holder)

Open Cable Channel



Tie Set(Cable Holder)



X-axis Limit Cable



What you need in this step of the installation:

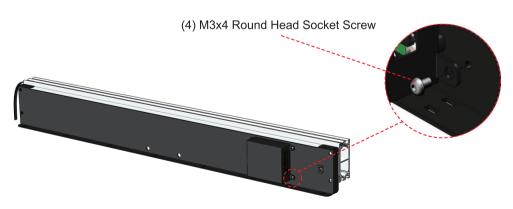






9. Use (4) M3x4mm round head socket screws to mount the sheet metal housing, to the sheet metal backplate, tighten the screws.

Take care to gather the cables into the open cable channel. Do not crush the cables.



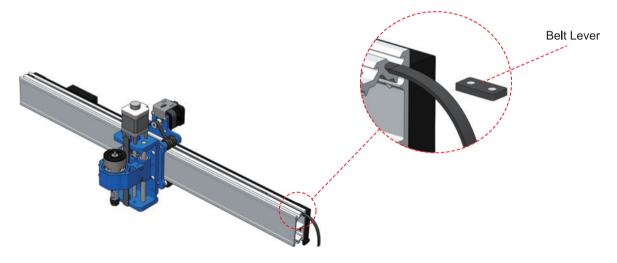


What you need in this step of the installation:



★ Belt Lever

10. Fit the belt lever into the X-axis profile.





Step 2: Assemble the Y-axis Module

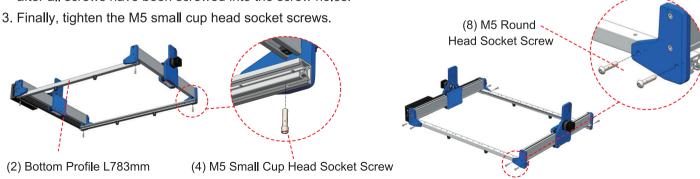
What you need in this step of the installation:



1. Use (4) M5 small cup head socket screws, through the holes in the bottom profile and install them into the slider nuts on the bottom of the YL&YR profile.

TIP: Do not tighten the screws.

2. Use (8) M5 round head socket screws to install bottom profile into the YL&YR front and rear guards. Tighten them after all screws have been screwed into the screw holes.

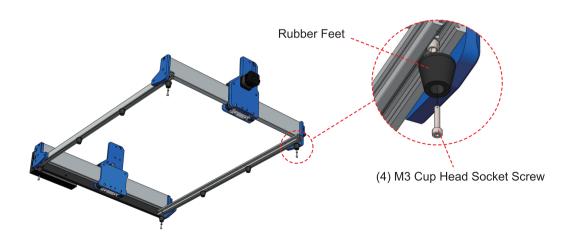




What you need in this step of the installation:



4. Use (4) M3 cup head socket screws to mount the rubber feet to the bottom profiles.





Step 3: Assemble the X-axis Module to the Y-axis Module

What you need in this step of the installation:

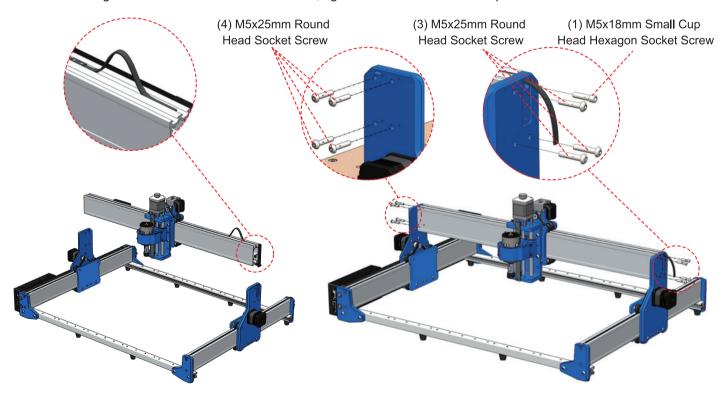




- (1) M5x18mm Small Cup Head Hexagon Socket Screw
- (7) M5x25mm Round Head Socket Screw
- 1. Before installing, the belt needs to be retracted into the X-axis profile.
- 2. Embed the XZ module between the YL & YR vertical plates.
- 3. Pass the belt through the YR vertical plate slot.
- 4. Use (7) M5x25mm round head socket screws and (1) M5x18mm small cup head hexagon socket screw, through the YL & YR vertical plates to connect the X-axis module.



5. After screwing all the screws into the screw holes, tighten the screws in a cross pattern.



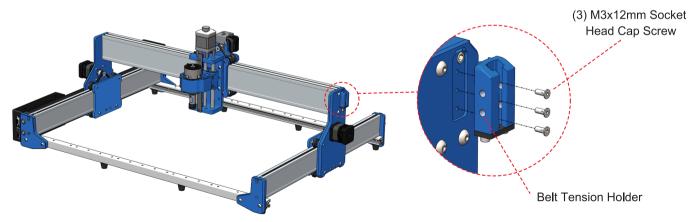


Step 4: Assemble the Belt Tensioner

What you need in this step of the installation:



1. Use (3) M3x12mm hex socket flat head cap screws, through the belt tension holder and install it on the YR module vertical plate.

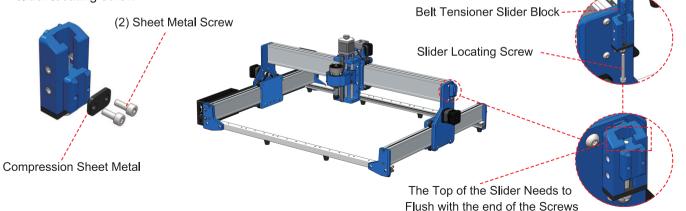




What you need in this step of the installation:



- 2. Remove compression sheet metal and screws from belt tensioner slider block.
- 3. Install the belt tensioner slider block into the belt tension holder and make the top of the slider flush with the end of the slider locating screw.

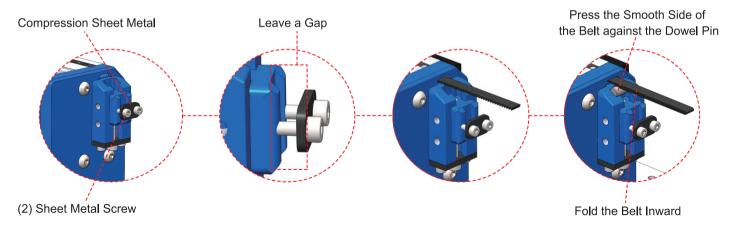




What you need in this step of the installation:

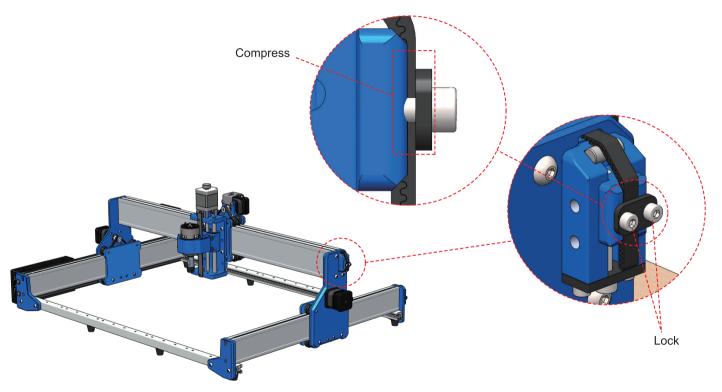


- 4. Install the removed compression sheet metal onto the slider block, not lockable, leaving enough gap.
- 5. Fold the belt inward and press the smooth side of the belt against the dowel pin.





6. Thread the end of the belt into the compression sheet metal and slider gap and lock the belt tensioner sheet metal screws.

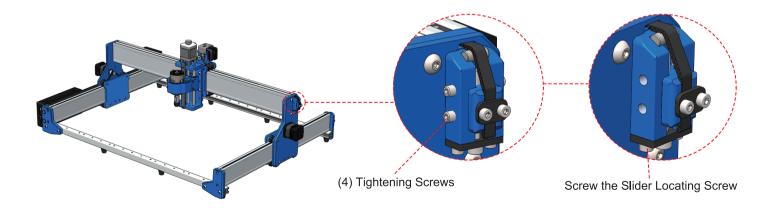




What you need in this step of the installation:



- ★ (4) Tightening Screws
- 7. Adjust the belt to the proper tension by screwing the slider locating screw.
- 8. Lock the (4) tightening screws on both sides of the belt tensioner.



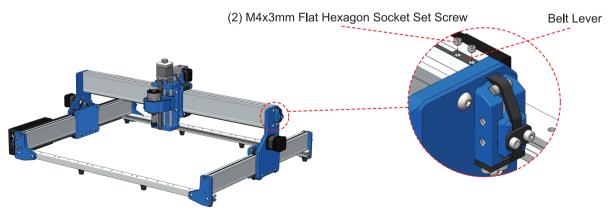


What you need in this step of the installation:



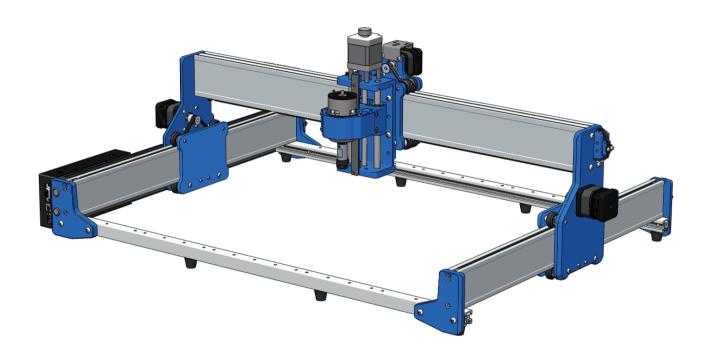
- (2) M4x3mm Flat Hexagon Socket Set Screw
- 9. Use (2) M4x3mm flat hexagon socket set screws to screw into the belt lever to hold the belt in place. Slide the Z-axis module and feel the smooth movement of the module.

Note: Do not tighten the setscrews too much, there is a probability that the belt will be pressed off, and the belt tightness will be affected.









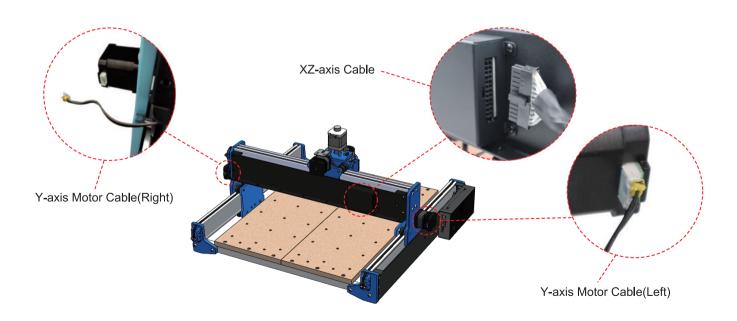
PART 2: Y-axis Extension Module



Step 1: Disconnect Cables

Gently disconnect and remove all the cables connected.

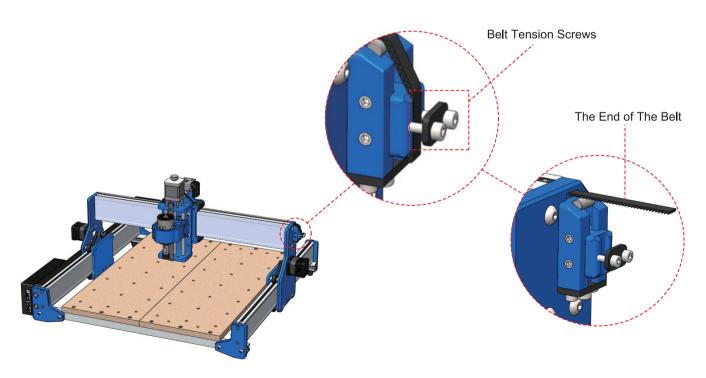
Tip: Note how and where each cable is connected for easy reconnection later.





Step 2: Remove the X-axis Module

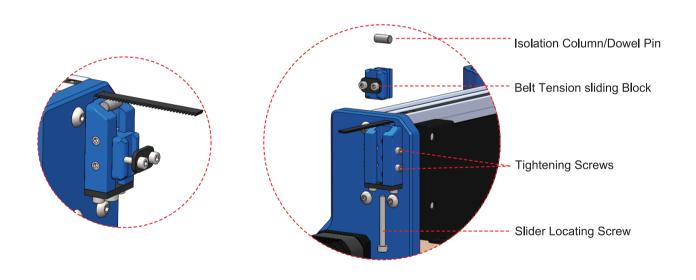
1. Loosen the belt tensioners screw and pull out the end of the belt.





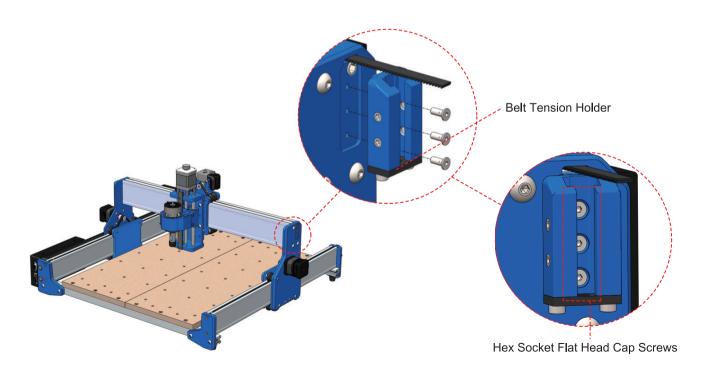
- 2. Loosen the (4) tightening screws, then remove the isolation column (dowel pin) and belt tensioner slider block.
- 3. Unscrew and remove the slider locating screws.

Remember to Keep: belt tensioner slider block, tightening screws and slider locating screw.



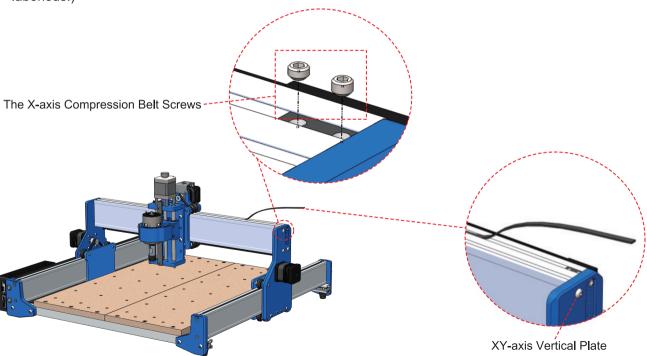


4. Unscrew the (3) hex socket flat head cap screws on the belt tensioner holder, and removed the belt tension holder. **Remember to Keep:** Hex Socket Flat Head Cap Screws and belt tensioner holder.





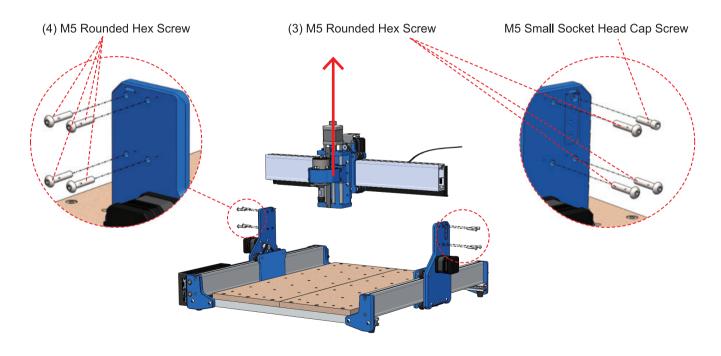
5. Unscrew the (4) X-axis compression belt screws at the XY-axis vertical plate on the side of the belt tensioner as shown, and pull the belt out of the riser here. (Not pulling out the belt will make subsequent removal of the XZ module more laborious.)





6. Unscrew the (8) screws (7xM5 round head socket head screws + 1xM5 small cup head socket head screw) at the two XY-axis vertical plates, followed by carefully removing the X-Z module.

Remember to Keep: M5 round head socket head screws and M5 small cup head socket head screw.

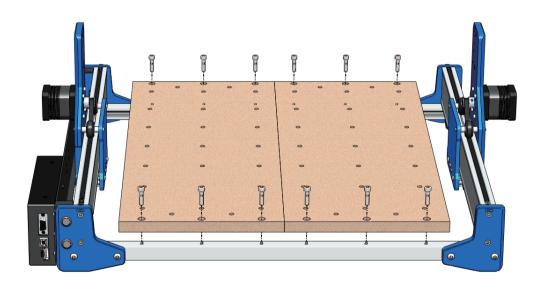




Step 3: Remove the Y-axis Module Platform and MDF Board

1. Unscrew the (12) M5 cup head socket screws and remove the (2) MDF boards.

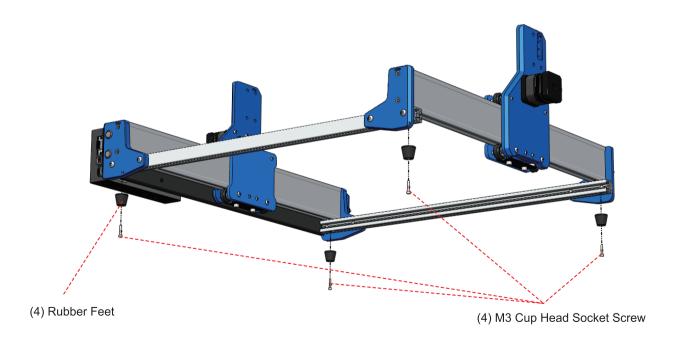
Remember to Keep: M5 cup head socket screws and MDF boards.





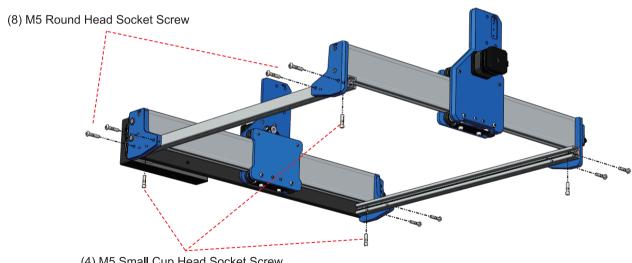
2. Unscrew the (4) M3 cup head socket screws and remove the (4) rubber feet.

Remember to Keep: M3 cup head socket screws and rubber feet.



- 3. Unscrew the (8) M5 round head socket screws of the profile connecting blocks.
- 4. Unscrew the (4) M5 small cup head socket screws at the bottom of the profiles.

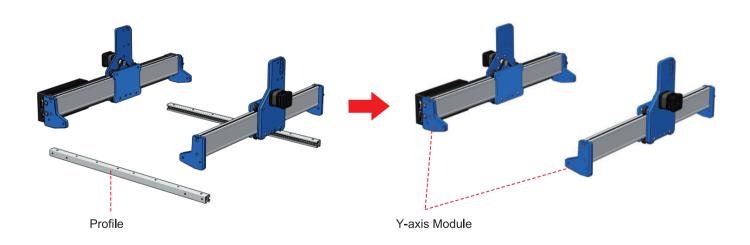
Remember to Keep: M5 round head socket screws and M5 small cup head socket screws.





5. Remove the bottom profiles.

Remember to Keep: bottom profiles.

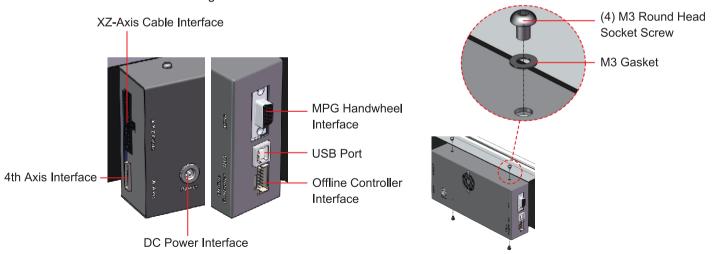


Step 4: Remove the YL&YR Module

- 1. Disassembling the electronic control box.
 - 1.1 Disconnect all cables to the YL electronic control box as shown.
 - 1.2 Unscrew the (4) M3 round head socket screws from the electronic control box with the 2mm Allen wrench. Then carefully remove the electric control box.

Remember to Keep: M3 gasket.

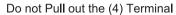
At this time, the fan connector terminals and DC power connector terminals are connected to the control board, be careful not to tear the cable when removing the electronic control box.

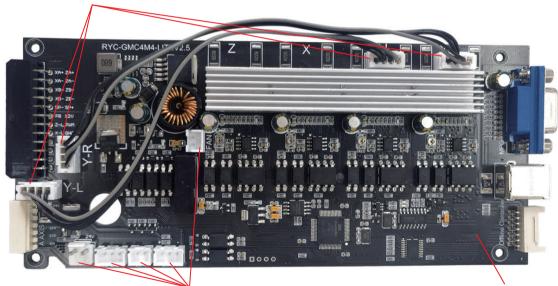




1.3 Unplug some of the terminals on the control board as shown.

Remember to Keep: sheet metal housing of the control box.





Unplug the (5) Terminals

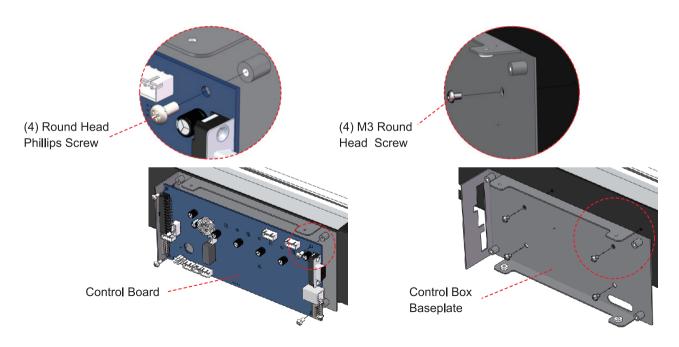
Control Board of the 4040 Reno

1.4 Unscrew the (4) round head Phillips screws securing the control board and remove the control board.

Remember to Keep: control board.

1.5 Unscrew the (4) M3 round head screws securing the control box baseplate and remove the control box baseplate.

Remember to Keep: control box baseplate.



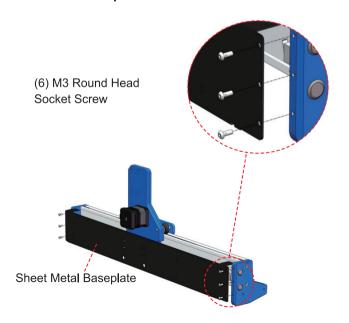


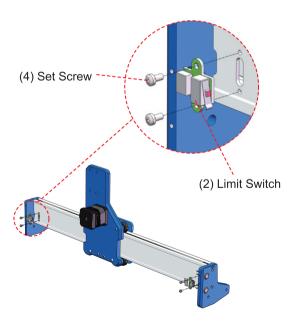
2. Unscrew the (6) M3 round head screws securing the sheet metal baseplate and remove the sheet metal baseplate.

TIP: If you find the screws difficult to unscrew during disassembly, you can use a hot air gun to heat the screws and then unscrew them, this initiative will reduce the difficulty of disassembly.

3. Unscrew the (4) set screws securing the limit switch and remove the limit switch.

Remember to Keep: limit switches.







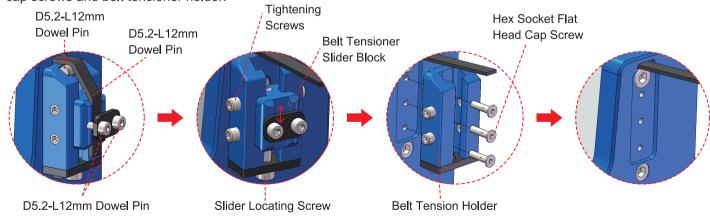
Step 5: Assemble the Belt Tensioner (YL & YR operate identically and can be synchronized.)

- 1. Loosen the belt tensioner screw and pull out the end of the belt, then remove the isolation column (dowel pin).
- 2. Loosen the (4) tightening screws, and remove the belt tensioner slider block.
- 3. Unscrew and remove the slider locating screws.

Remember to Keep: belt tensioner slider block, tightening screws and slider locating screw.

4. Unscrew the (3) hex socket flat head cap screws on the belt tensioner mount, after which the belt tensioner holder can be removed.

Remember to Keep: dowel pin, belt tensioner slider block, slider locating screw, tightening screws, hex socket flat head cap screws and belt tensioner holder.



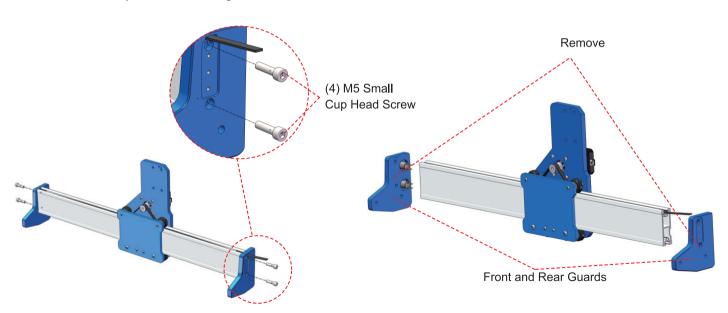


Step 6: Disassembling the YL&YR Module

(YL & YR operate identically and can be synchronized.)

1. Unscrew the (4) M5 round head screws holding the front and rear guards of the Y-module and remove the front and rear guards.

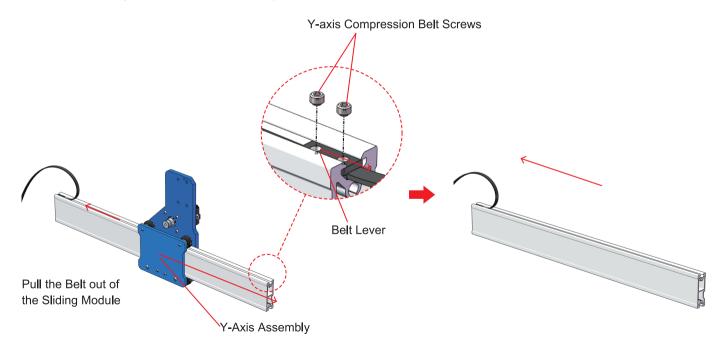
Remember to Keep: front and rear guards.





- 2. Unscrew the (2) M4 Y-axis compression belt screws that hold the belt lever and remove the belt lever from the profile.
- 3. Slide the Y-axis assembly out of the Y-axis custom profile.

Remember to Keep: belt lever, M5 small cup head screws and Y-axis assemblies.



If you need to install both X-axis and Y-axis extensions, this is the part you need to complete first, come along and experience the installation journey!

Unbox (101-63-40RENO-YE80)



Customized Y-axis Left Profile L975mm (Inside Belt L1133mm, Y-L Limit Cable 1050+300mm.) Short for YL profile



Customized Y-axis Right Profile L975mm (Inside Belt L1133mm.) Short for YR profile



Y-axis Left Extension Sheet Metal Backplate



2020 Long Profile L934mm 2020 Short Profile L399mm (12) Internal Angle Connector Joint Bracket (with M5 Set Screws)



(7) M3x12mm Socket Head Cap Screw

Unbox (101-63-40RENO-YE80)



(7) M3x8mm Round Head Socket Screw



(9) M3x4mm Round Head Socket Screw



(9) M3x6mm Round Head Phillips Screw



2mm 2.5mm



Dowel Pin



X-Z Module Cable L780mm



(4) M4x3mm Flat Hexagon Socket Set Screw



User Manual

The objects marked with \bigstar in the items required for installation are those that have been previously removed.



Step 1: Assemble the Y-axis Left Module

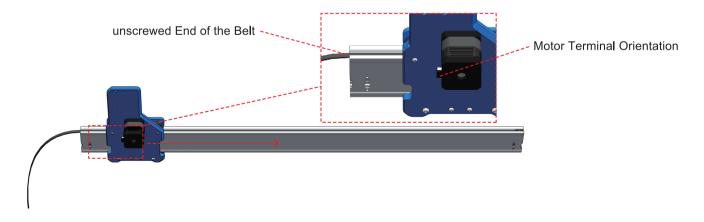
What you need in this step of the installation:



Customized Y-axis Right Profile L975mm (Inside Belt L1133mm.) Short for YR profile

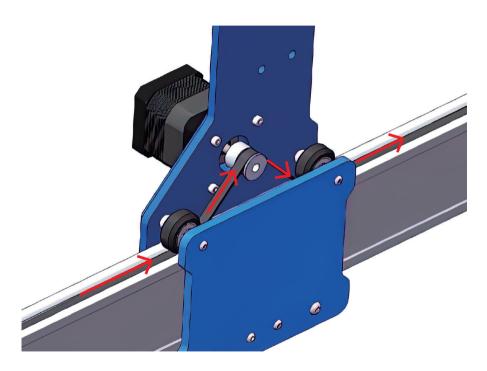
Belt already secured at one end in the profile

1. Slide the YL left assembly into the YL profile. Motor terminals toward the unsecured end of the belt, as shown.





2. Pass the belt through the Y-axis left assembly as shown.



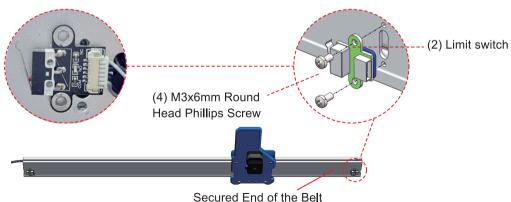


What you need in this step of the installation:





- (2) limit switch
- (4) M3x6mm Round Head Phillips Screw
- 3. Connect the Y-axis limit cable terminals threaded inside the extended YL profile to the (2) limit switches.
- 4. Use (4) M3x6mm round head Phillips screws through the limit switch to mount the limit switches to the extended YL profile





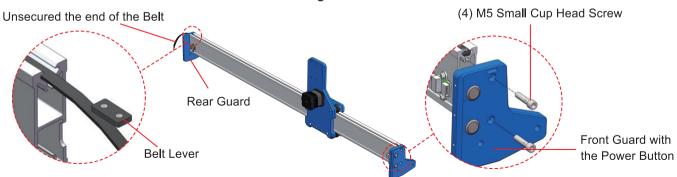
What you need in this step of the installation:



- 5. Fit the belt lever into the profile from the unsecured end of the belt. Take care when fitting that the belt lever presses against the belt at the top of the belt.
- 6. Use (4) M5 small cup head screws to mount the YL module front and rear guards to the profile, as shown.

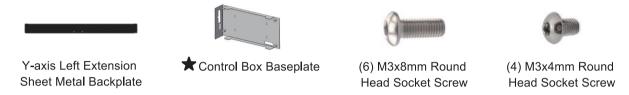
TIPS: 1. Pay attention to the front and rear guards mounting direction.

2. Note that the belt need to be threaded into the rear guard slot.

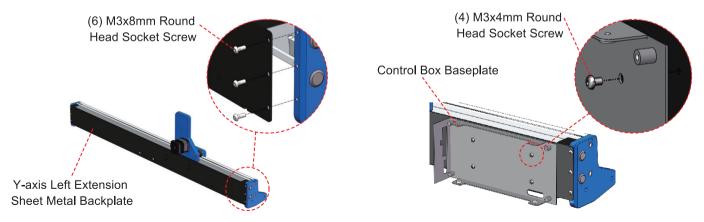




What you need in this step of the installation:



- 7. Use (6) M3x8mm round head socket screws to attach the sheet metal backplate to the front and rear guards of the YL module, as shown.
- 8. Use (4) M3x4mm round head socket screws to mount the control box baseplate to the sheet metal backplate.



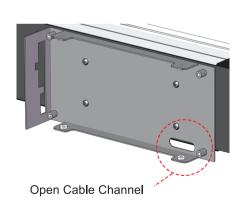


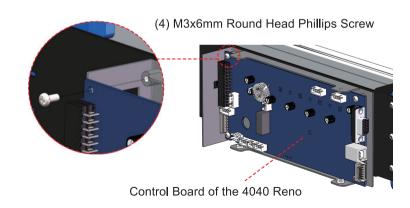
What you need in this step of the installation:





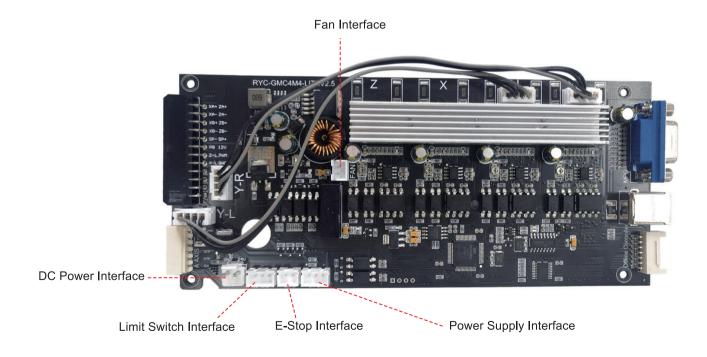
- ★ Control Board of the 4040 Reno
- Control Board of the 4040 Reno
- 9. Extend the cables through the open cable channel in the control board.
- 10. Use (4) M3x6mm round head Phillips screws to mount the control board to the control box baseplate.







- 11. Plug the cables into the control board, as shown.
- 12. Connect the DC power cable terminal and fan cable terminals on the control board housing to the control board.

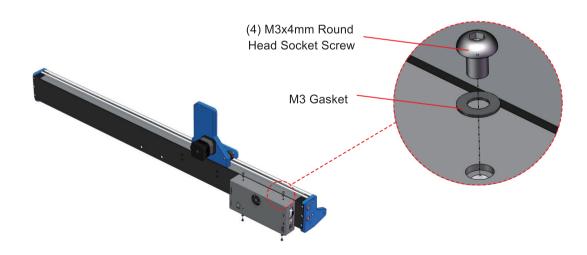




What you need in this step of the installation:



13. Use (4) M3x4mm round head socket screws with M3 gaskets and mount the sheet metal housing.





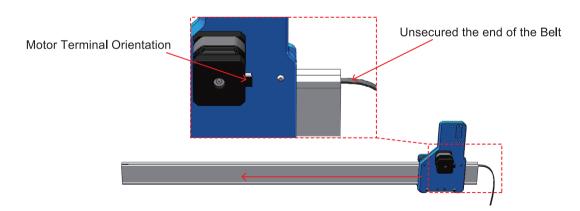
Step 2: Assemble the Y-axis Right Module

What you need in this step of the installation:



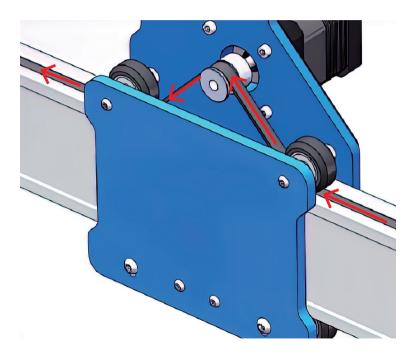
Belt already secured at one end in the profile

1. Slide the YR left assembly into the YR profile. Motor terminals toward the unsecured end of the belt, as shown.





2. Pass the belt through the Y-axis right assembly as shown.



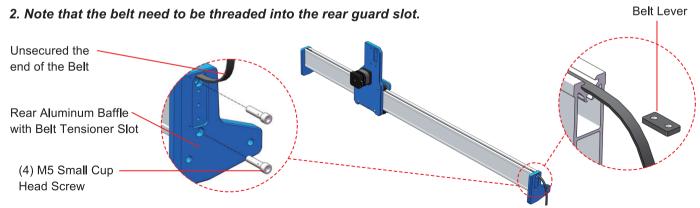


What you need in this step of the installation:



- 3. Fit the belt lever into the profile from the unsecured end of the belt. Take care when fitting that the belt lever presses against the belt at the top of the belt.
- 4. Use (4) M5 small cup head screws to mount the YR module front and rear guards to the profile, as shown.

TIPS: 1. Pay attention to the front and rear guards mounting direction.





Step 3: Assemble the Belt Tensioner

(YL & YR operate identically and can be synchronized.)

What you need in this step of the installation:

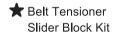






★ (3) M3x12mm Hex Socket Flat Head Cap Screw





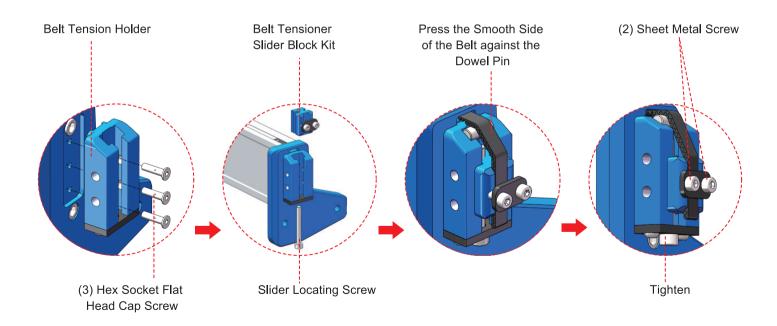


★ Slider Locating Screw

- 1. Use (3) M3x12mm hex socket flat head cap screws, through the belt tension holder and install it on the YR module vertical plate.
- 2. Install the belt tensioner slider block into the belt tension holder and make the top of the slider flush with the end of the slider locating screw.
- 3. Install the removed compression sheet metal onto the slider block, not lockable, leaving enough gap.



4. Fold the belt inward and press the smooth side of the belt against the dowel pin. Tighten the slider locating screw and the (2) sheet metal screw.





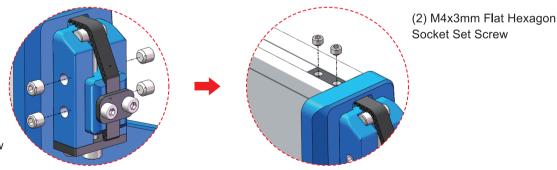
What you need in this step of the installation:





- ★ (4) Tightening Screws
- (4) M3x6mm Round Head Phillips Screw
- 5. Lock the (4) tightening screws on both sides of the belt tensioner.
- 6. Use (2) M4x3mm flat hexagon socket set screws to screw into the belt lever to hold the belt in place. Slide the Z-axis module and feel the smooth movement of the module.

Note: Do not tighten the setscrews too much, there is a probability that the belt will be pressed off, and the belt tightness will be affected.



(4) Tightening Screw



Step 4: Assemble the Y-axis Platform Frame

What you need in this step of the installation:



(12) Internal Angle Connector Joint Bracket (with M5 Set Screws) (2) 2020 Long Profile L934mm

2020 Short Profile L399mm

- 1. Slide the (4) internal angle connector joint brackets into the short profile.
- 2. Slide the short profile into the middle position of the (2) long profiles, as shown.

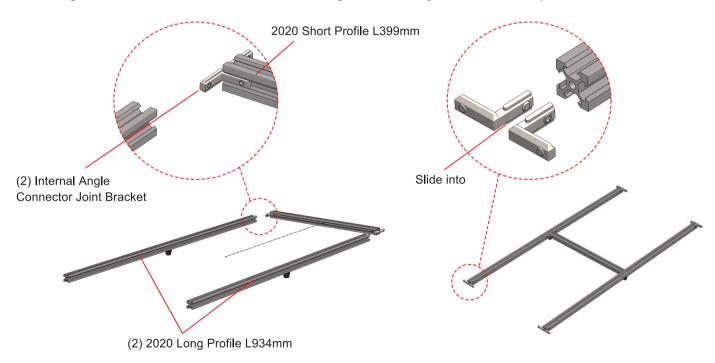
Do not tighten the M5 set screws in the angle connector joint brackets on profiles.

3. Slide the (8) internal angle connector joint brackets into the (2) long profiles.



4. Slide the short profile into the middle position of the (2) long profiles, as shown. Pay attention to the orientation of the bottom profiles.

Do not tighten the M5 set screws in the Internal angle connector joint brackets on profiles.





What you need in this step of the installation:





5. Slide the (2) bottom profiles into the ends of the (2) long profiles, as shown. Adjust the (2) long profiles to a position where the ends of the bottom profile are centered. Do not lock the set screws.

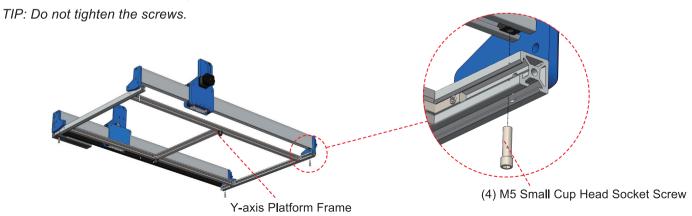




What you need in this step of the installation:



- ★ (4) M5 Small Cup Head Socket Screw
- 6. Adjust the position of the slider nut inside the YL&YR profiles.
- 7. Use (4) M5 small cup head socket screws, through the holes in the bottom profile and install them into the slider nuts on the bottom of the YL&YR profile.



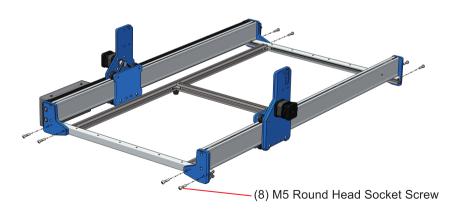


What you need in this step of the installation:



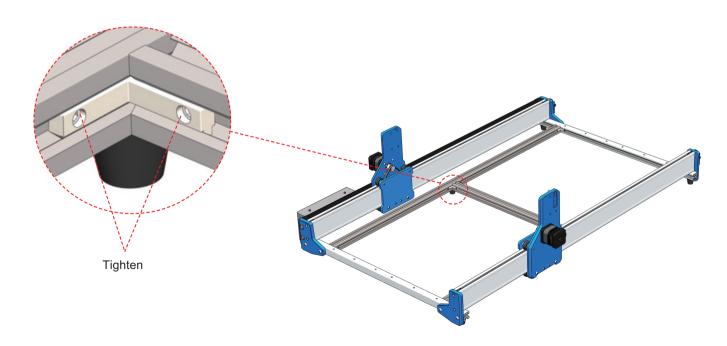
★ (8) M5 round head socket screws

8. Use (8) M5 round head socket screws to install bottom profile into the YL&YR front and rear guards. Tighten them after all screws have been screwed into the screw holes. Finally, tighten the M5 small cup head socket screws.





- 9. At this point, check that the bottom support profile is roughly centered; if it is offset, adjust the (2) long profiles position again.
- 10. After confirming that it is roughly centered, lock the set screws in the (12) internal angle connector joint brackets on the bottom profile.





Step 5: Assemble the X-axis Module

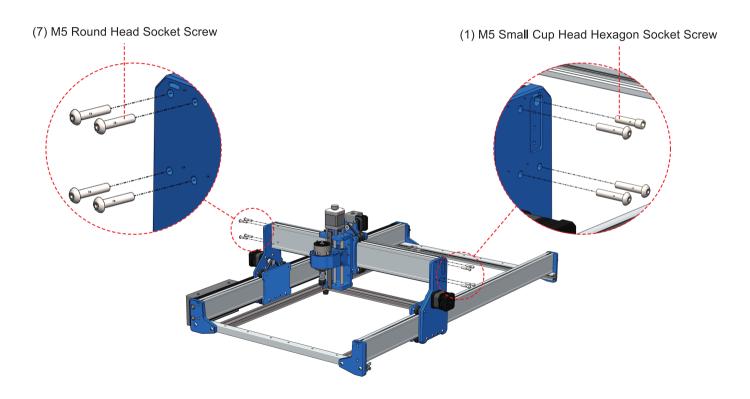
What you need in this step of the installation:



- 1. Before installing, the belt needs to be retracted into the X-axis profile.
- 2. Embed the X-Z module between the YL & YR vertical plates.
- 3. Pass the belt through the YR vertical plate slot.
- 4. Use (7) M5 round head socket screws and (1) M5 small cup head hexagon socket screw, through the YL & YR vertical plates to connect the X-axis module.



5. After screwing all the screws into the screw holes, tighten the screws in a cross pattern.





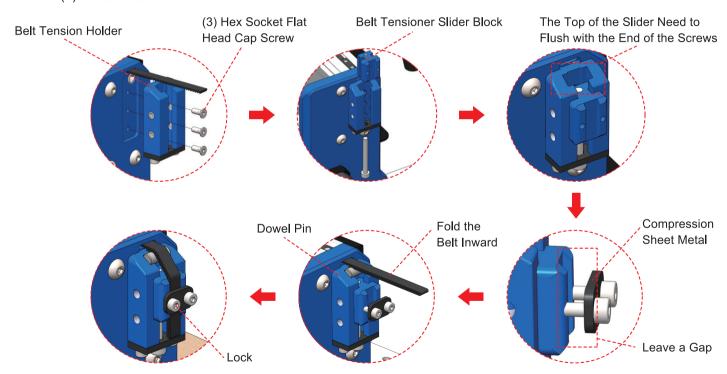
What you need in this step of the installation:



- 7. Use (3) M3x12mm hex socket flat head cap screws, through the belt tension holder and install it on the YR module vertical plate.
- 8. Install the belt tensioner slider block into the belt tension holder and make the top of the slider flush with the end of the slider locating screw.
- 9. Install the removed compression sheet metal onto the slider block, not lockable, leaving enough gap.



10. Fold the belt inward and press the smooth side of the belt against the dowel pin. Tighten the slider locating screw and the (2) sheet metal screw.





What you need in this step of the installation:

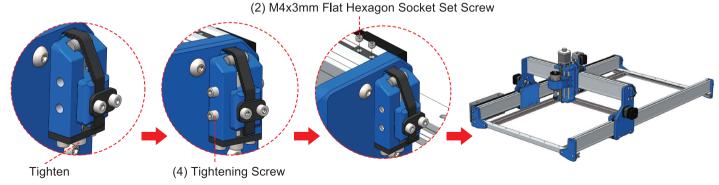




★ (4) Tightening Screws

- (2) M4x3mm Flat Hexagon Socket Set Screw
- 11. Lock the (4) tightening screws on both sides of the belt tensioner.
- 12. Use (2) M4x3mm flat hexagon socket set screws to screw into the belt lever to hold the belt in place. Slide the Z-axis module and feel the smooth movement of the module.

Note: Do not tighten the setscrews too much, there is a probability that the belt will be pressed off, and the belt tightness will be affected.

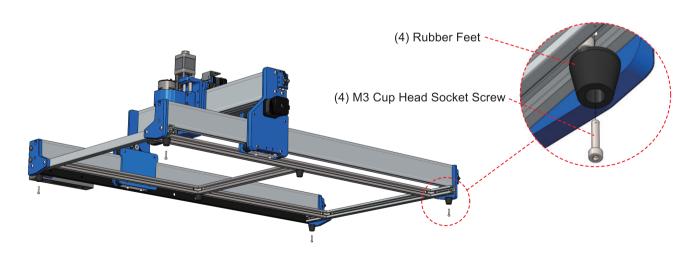




What you need in this step of the installation:

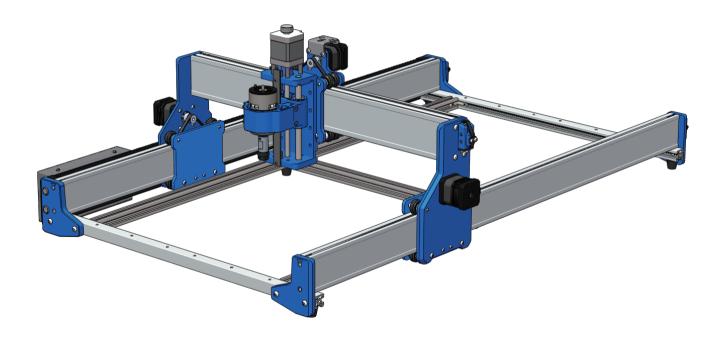


1. Use (4) M3 cup head socket screws to mount the rubber feet to the bottom profiles.









PART 3: Install the Hybrid Spoilboard

Select the platform plate to be installed according to your needs.

Unbox (101-63-40RENO-44HSP)



(3) Wide Aluminum & MDF Hybrid Slat



(2) Wide MDF Slat



(2) Narrow MDF Slat



Allen Wrench (2mm, 3mm, 4mm)



(5) M5x25mm Cup Head Hexagon Socket Screw



(9) M5x20mm Thin Cup Head Hexagon Socket Screw



(19) M3X14mm Flat Head Cap Screw

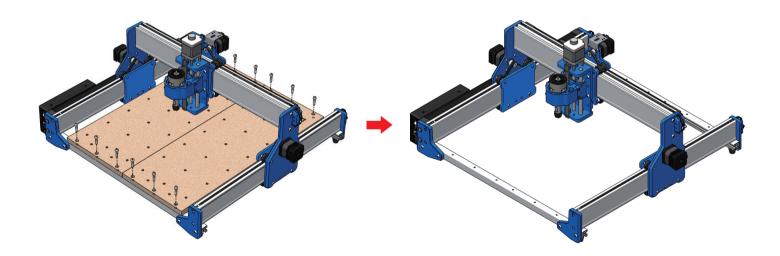


User Manual



Step 1: Remove the MDF Board

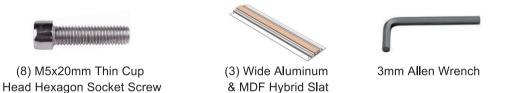
- 1. Use the 4mm Allen wrench to remove the screws from the MDF boards.
- 2. Remove the MDF boards after removing all the screws.



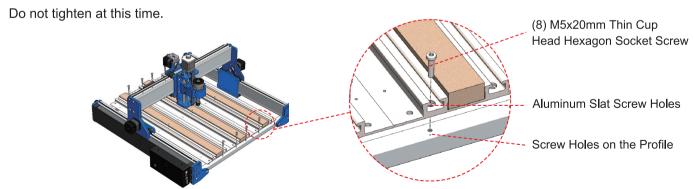


Step 2: Install the 4040 Hybrid Spoilboard

What you need in this step of the installation:



1. Screw the (8) M5x20mm thin cup head screws with the 4mm Allen wrench, through the wide aluminum & MDF hybrid slat holes into the bottom profiles.





What you need in this step of the installation:

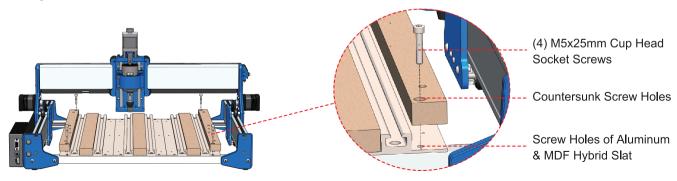


2. Align the narrow MDF slats with the aluminum slat screw holes as shown.

Note: MDF slat countersunk screw holes up.

3. Screw the (4) M5x25mm cup head screws with the 4mm Allen wrench, through the narrow MDF slats countersunk holes into the aluminum slats.

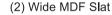
Do not tighten at this time.





What you need in this step of the installation:







(18) M3X14mm Flat Head Cap Screw



Allen Wrench (2mm, 3mm, 4mm)

4. Align the wide MDF slats with the aluminum slat screw holes as shown.

Note: MDF slat countersunk screw holes up.

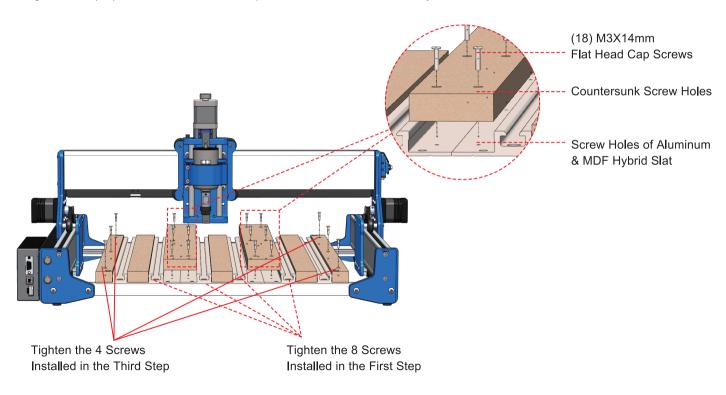
5. Screw the (18) M3x14mm flat head cup screws with the 2mm Allen wrench, through the wide & narrow MDF slats countersunk holes into the aluminum slats, as shown.

Do not tighten at this time.

- 6. Tighten the (8) M5x20mm thin cup head socket screws (installed in the first step) on wide aluminum & MDF hybrid slats.
- 7. Tighten the (4) M5x25mm cup head screws (installed in the third step) on the narrow MDF boards.



8. Tighten the (24) M3x14mm flat head cup screws, and finish assembly.





Unbox (101-63-40RENO-X64HSP)

For only X-axis expansion.

Needs to be used with 101-63-40RENO-HSP4040.



Wide Aluminum & MDF Hybrid Slat



(2) Narrow Aluminum Slat



Wide MDF Slat



(2) Narrow MDF Slat



(13) M3X14mm Flat Head Cap Screw



(9) M5x20mm Thin Cup Head Hexagon Socket Screw



Allen Wrench (2mm, 3mm, 4mm)



User Manual



What you need in this step of the installation:



(16) M5x20mm Thin Cup Head Hexagon Socket Screw 8 of them from 44HSP



(4) Wide Aluminum & MDF Hybrid Slat 8 of them from 44HSP



3mm Allen Wrench

- 1. Align the with the aluminum slat screw holes as shown.
- 2. Screw the (16) M5x20mm cup head screws with the 3mm Allen wrench, through the wide aluminum & MDF hybrid slats countersunk holes into the bottom profiles.

Do not tighten at this time.

(16) M5x20mm Thin Cup
Head Hexagon Socket Screw

Aluminum Slat Screw Holes
Screw Holes on the Profile



What you need in this step of the installation:



(4) Narrow MDF Slat 2 of them from 44HSP



(2) Narrow Aluminum Slat



(4) M5x25mm Cup Head Hexagon Socket Screw All of them from 44HSP

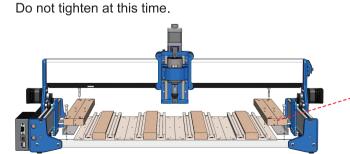


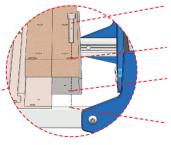
4mm Allen Wrench

3. Align the narrow MDF slats screw holes with the aluminum slats screw holes as shown.

Note: MDF slat countersunk screw holes up.

4. Screw the (4) M5x25mm cup head screws with the 4mm Allen wrench, through the narrow MDF slats countersunk holes and aluminum slats into the bottom profiles, as shown.





(4) M5x25mm Cup Head Socket Screw

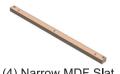
Countersunk Screw Holes

Screw Holes of the Wide Aluminum & MDF Hybrid Slat

Screw Holes of the Narrow Aluminum Slat



What you need in this step of the installation:



(4) Narrow MDF Slat 2 of them from 44HSP



(2) Narrow Aluminum Slat



(4) M5x25mm Cup Head Hexagon Socket Screw All of them from 44HSP



4mm Allen Wrench

5. Align the (3) wide MDF slats with the aluminum slat screw holes as shown.

Note: MDF slat countersunk screw holes up.

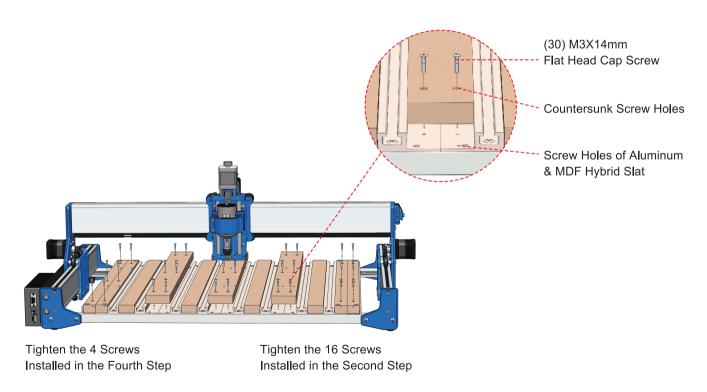
6. Screw the (30) M3x14mm flat head cup screws with the 2mm Allen wrench, through the wide & narrow MDF slats countersunk holes into the aluminum slats, as shown.

Do not tighten at this time.

- Tighten the (16) M5x20mm thin cup head socket screws (installed in the second step) on wide aluminum & MDF hybrid slats.
- 8. Tighten the (4) M5x25mm cup head screws (installed in the fourth step) on the narrow MDF boards.



9. Tighten the (30) M3x14mm flat head cup screws, and finish assembly.



Unbox (101-63-40RENO-Y48HSP)

For only Y-axis expansion.



(3) Wide Aluminum & MDF Hybrid Slat



(2) Wide MDF Slat



(2) Narrow MDF Slat



Allen Wrench (2mm, 3mm, 4mm)



(5) M5x25mm Cup Head Hexagon Socket Screw



(9) M5x20mm Thin Cup Head Hexagon Socket Screw



(25) M3X14mm Flat Head Cap Screw



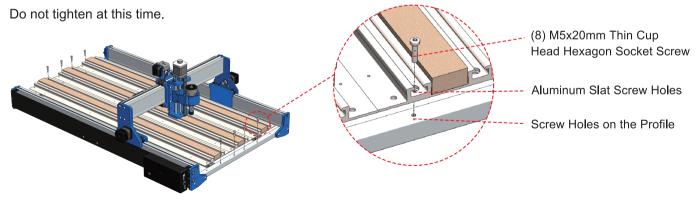
User Manual



What you need in this step of the installation:



- 1. Align the with the aluminum slat screw holes as shown.
- 2. Screw the (8) M5x20mm cup head screws with the 3mm Allen wrench, through the wide aluminum & MDF hybrid slats countersunk holes into the bottom profiles.





What you need in this step of the installation:

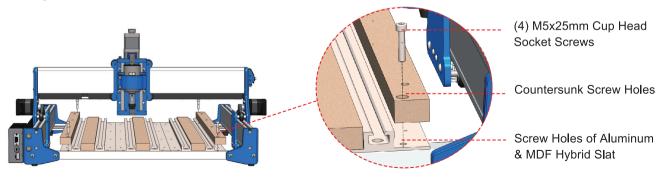


3. Align the narrow MDF slats screw holes with the aluminum slats screw holes as shown.

Note: MDF slat countersunk screw holes up.

4. Screw the (4) M5x25mm cup head screws with the 4mm Allen wrench, through the narrow MDF slats countersunk holes and aluminum slats into the bottom profiles, as shown.

Do not tighten at this time.





What you need in this step of the installation:







(2) Wide MDF Slat

(24) M3X14mm Flat Head Cap Screw

Allen Wrench (2mm, 3mm, 4mm)

5. Align the wide MDF slats with the aluminum slat screw holes as shown.

Note: MDF slat countersunk screw holes up.

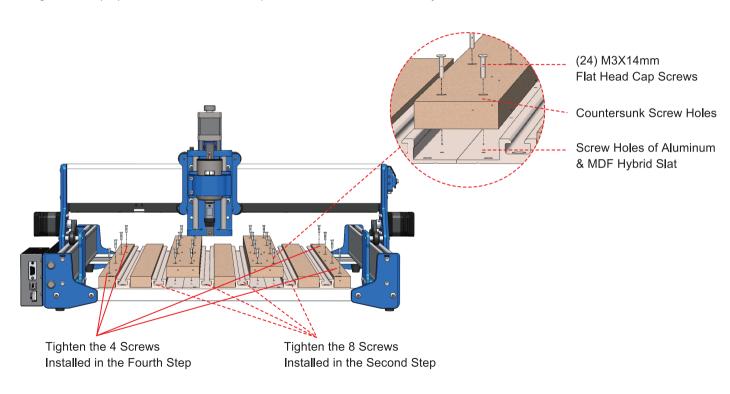
6. Screw the (24) M3x14mm flat head cup screws with the 2mm Allen wrench, through the wide & narrow MDF slats countersunk holes into the aluminum slats, as shown.

Do not tighten at this time.

- 7. Tighten the (8) M5x20mm thin cup head socket screws (installed in the second step) on wide aluminum & MDF hybrid slats.
- 8. Tighten the (4) M5x25mm cup head screws (installed in the fourth step) on the narrow MDF boards.



8. Tighten the (18) M3x14mm flat head cup screws, and finish assembly.



Unbox (101-63-40RENO-68HSP)

Needs to be used with 101-63-40RENO-68HSP.



Wide Aluminum & MDF Hybrid Slat



(2) Narrow Aluminum Slat



(3) Wide MDF Slat



Allen Wrench (2mm, 3mm)



(17) M3X14mm Flat Head Cap Screw



(9) M5x20mm Thin Cup Head Hexagon Socket Screw



User Manual



What you need in this step of the installation:



(16) M5x20mm Thin Cup Head Hexagon Socket Screw 8 of them from 48HSP



(4) Wide Aluminum & MDF Hybrid Slat 3 of them from 48HSP



3mm Allen Wrench

- 1. Align the with the aluminum slat screw holes as shown.
- 2. Screw the (16) M5x20mm cup head screws with the 3mm Allen wrench, through the wide aluminum & MDF hybrid slats countersunk holes into the bottom profiles.

Do not tighten at this time.

(16) M5x20mm Thin Cup
Head Hexagon Socket Screw
Aluminum Slat Screw Holes
Screw Holes on the Profile



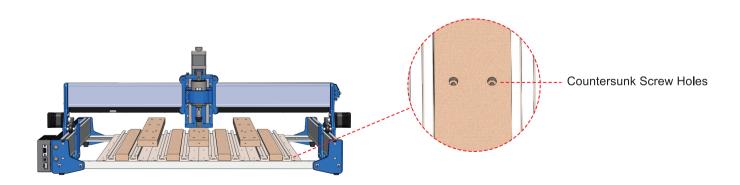
What you need in this step of the installation:



(3) Wide MDF Slat

3. Align the wide MDF slats screw holes with the aluminum slats screw holes as shown.

Note: MDF slat countersunk screw holes up.





What you need in this step of the installation:



(2) Narrow Aluminum Slat



(2) Wide MDF Slat All of them from 48HSP



(40) M3X14mm Flat Head Cap Screw 24 of them from 48HSP



Allen Wrench (2mm, 3mm)

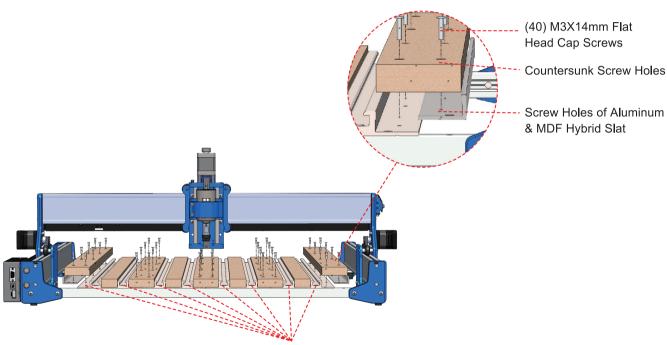
- 4. Place the (2) narrow aluminum slat on both sides of the bottom profiles, then place the (2) wide MDF slats as shown. Note: MDF slat countersunk screw holes up.
- 5. Screw the (40) M3x14mm flat head cup screws with the 2mm Allen wrench, through the wide MDF slats countersunk holes into the aluminum slats as shown.

Do not tighten at this time.

6. Tighten the (16) M5x20mm thin cup head socket screws (installed in the second step) on wide aluminum & MDF hybrid slats.



7. Tighten the (40) M3x14mm flat head cup screws, and finish assembly.



Tighten the 16 Screws Installed in the Second Step



Genmitsu Desktop CNC & Laser

区 Email: support@sainsmart.com

Facebook messenger: https://www.facebook.com/SainSmart/about

Help and support is also available from our Facebook Group





Facebook Group