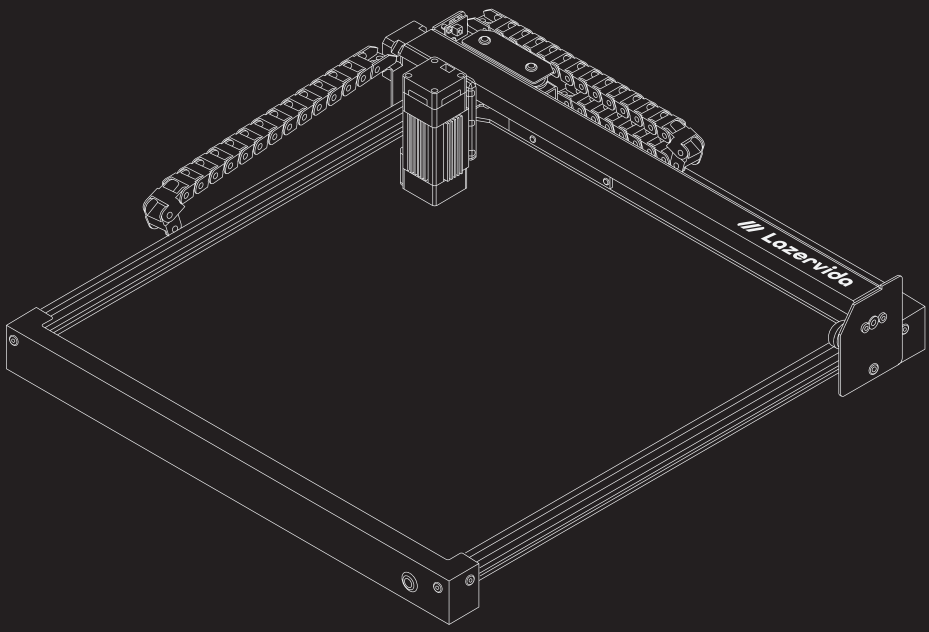
Lazervida



User Manual

Lazervida User Manual
August 2022

Let Your Creativity Run Wild

Unboxing Quick Guide QR Code

Please scan the QR code to watch the assembly video.

https://support.lazervida.com/hc/en-us/articles/5065816201615

Contents

Before Getting Started

Please read the User Manual before starting to operate the Lazervida.
You can also refer to the “Lazervida Help Center” at
https://support.lazervida.com/hc/en-us

Please read the following safety precautions carefully before operating the Lazervida. Since the Lazervida generates a high-power laser, improper operation may result in fire, visual impairment, skin burns, inhalation of toxic substances, and other harmful or adverse health effects to a person or property.

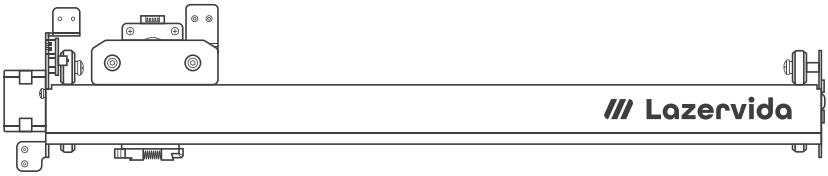
Please consult **support@lazervida.com** regarding any usage or safety concerns.

Safety Precautions

⚠ Do not leave the Lazervida operating unattended. Press pause if you need to step away.
⚠ Do not stare at the light produced by the laser while the machine is cutting.
⚠ Please confirm the material to be engraved will be safe to burn at high temperatures.
⚠ Always have an accessible, functioning fire extinguisher in the workspace.

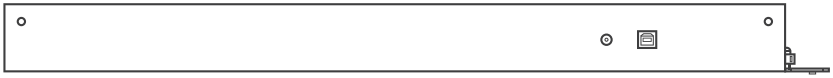
Please refer to the “Lazervida Help Center” at
https://support.lazervida.com/hc/en-us for more safety instructions.

In the box

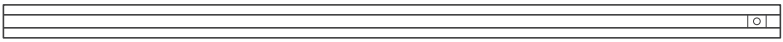


X-axis guide rail and motor

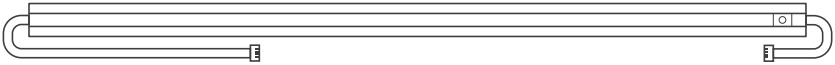
Front panel



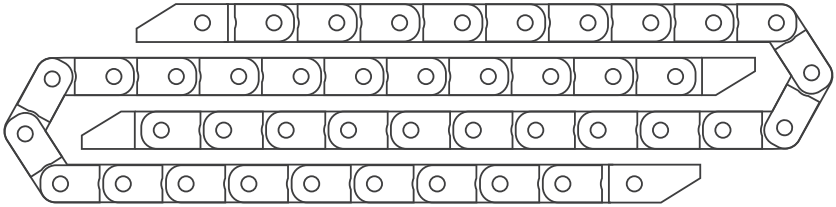
Rear panel



Aluminum extrusion A

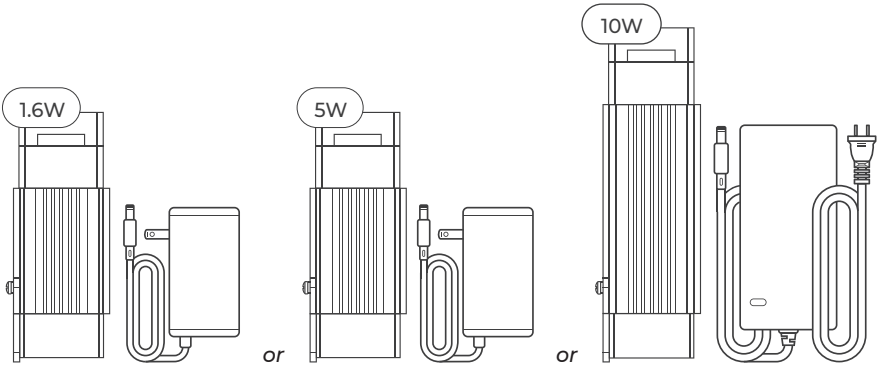


Aluminum extrusion B



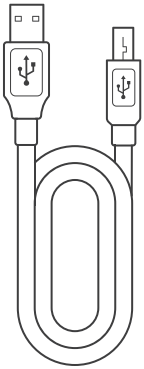
Cable chain

Laser head & Power adaptor



In the Accessories box

USB cable



Tweezers

Open-end wrench

4mm Hex key

2mm Hex key

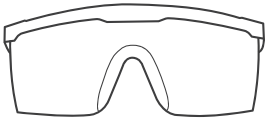
Fasteners
(Set Screw M4L4)

Cable tie

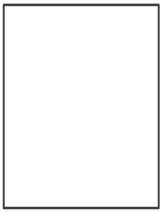
Hex socket cap screws (M5L16)

Philips screws (M3L4)

Others

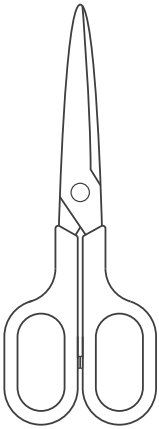


Laser safety goggles

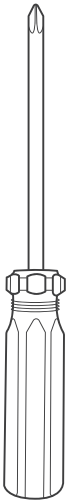


Wood piece

Self - preparation



Scissors



Phillips screwdriver

Tips : Assemble your Lazervida product according to the steps mentioned in the assembly instructions. If you tighten every screw firmly at first, it may distort the finished product. To avoid this, tighten screws lightly until the product is assembled to a certain extent, and then fasten all the screws firmly.

Start assembling

Preparation List

4mm
Hex key

x4

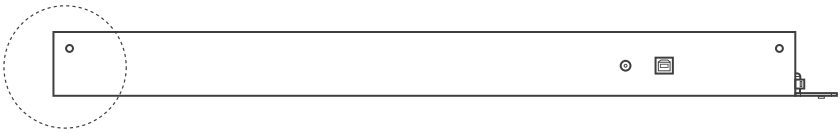
Hex socket
cap screws

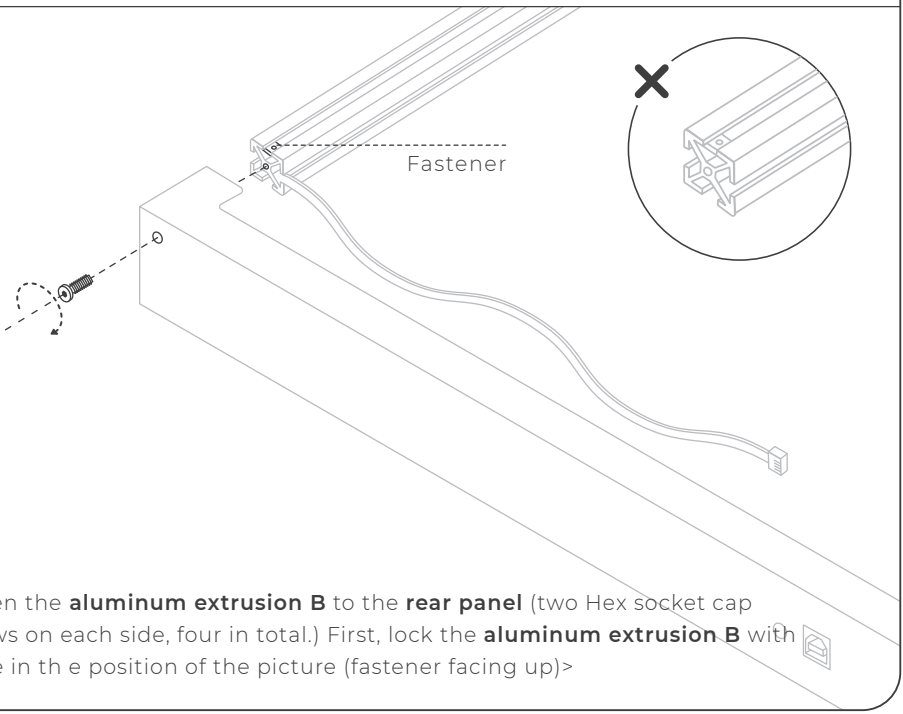
Rear panel

Aluminum extrusion A

Aluminum extrusion B

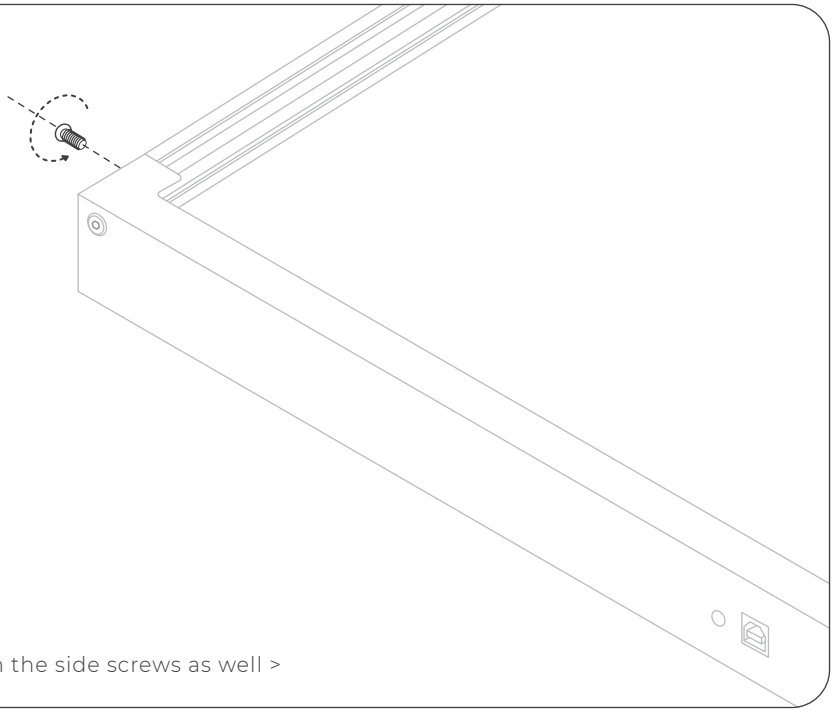
1-A





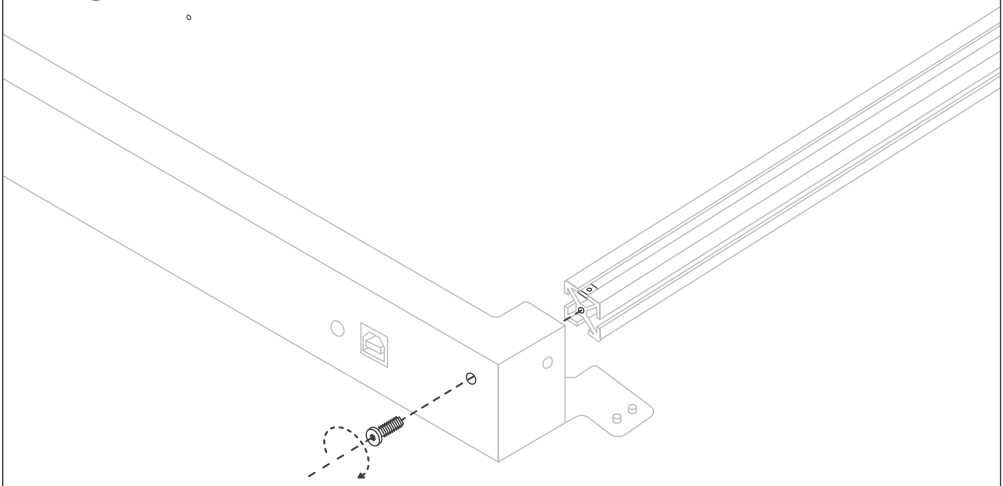
Fasten the **aluminum extrusion B** to the **rear panel** (two Hex socket cap screws on each side, four in total.) First, lock the **aluminum extrusion B** with cable in th e position of the picture (fastener facing up)>

1-B



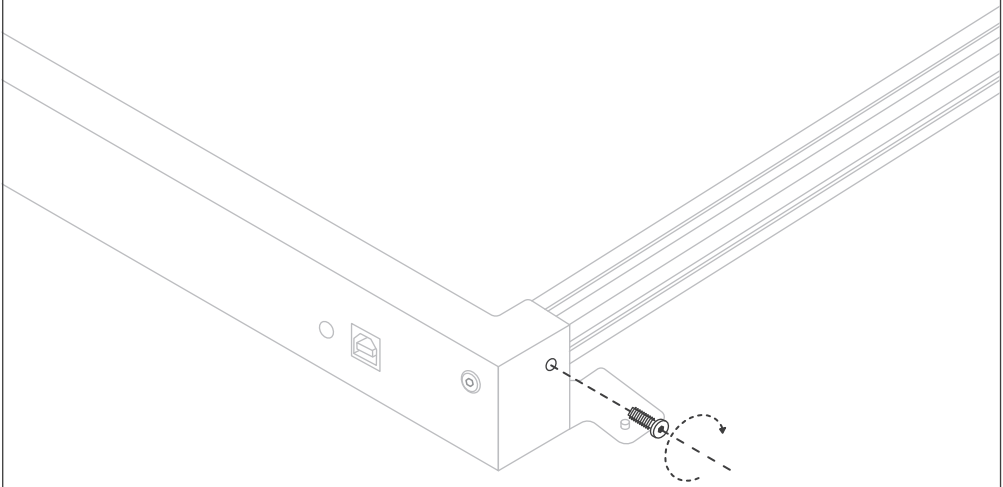
Then fasten the side screws as well >

1-C



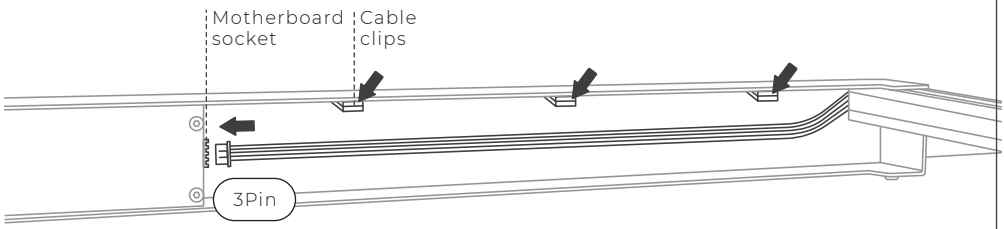
Fasten the **aluminum extrusion A** without cables on the other side (Fastener facing up) >

1-D



Then fasten the side screws as well >

1-E

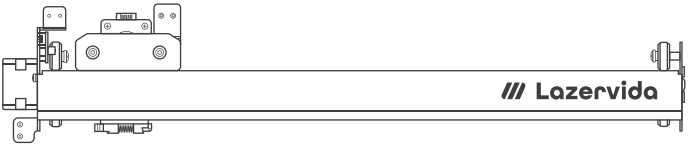


Plug the 3Pin power button cable of the **aluminum extrusion B** into the motherboard socket, and then insert the cable into the cable clips.

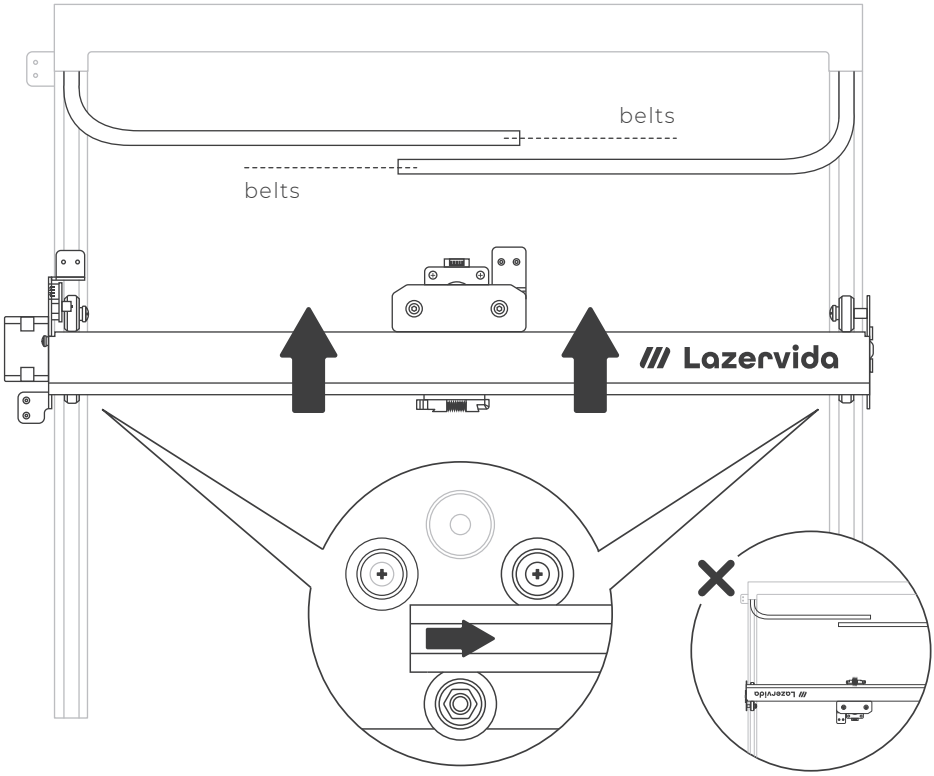
Preparation List

Tweezers

X-axis guide rail and motor

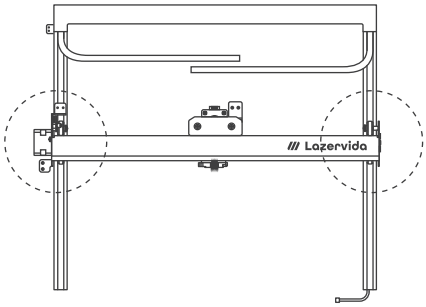


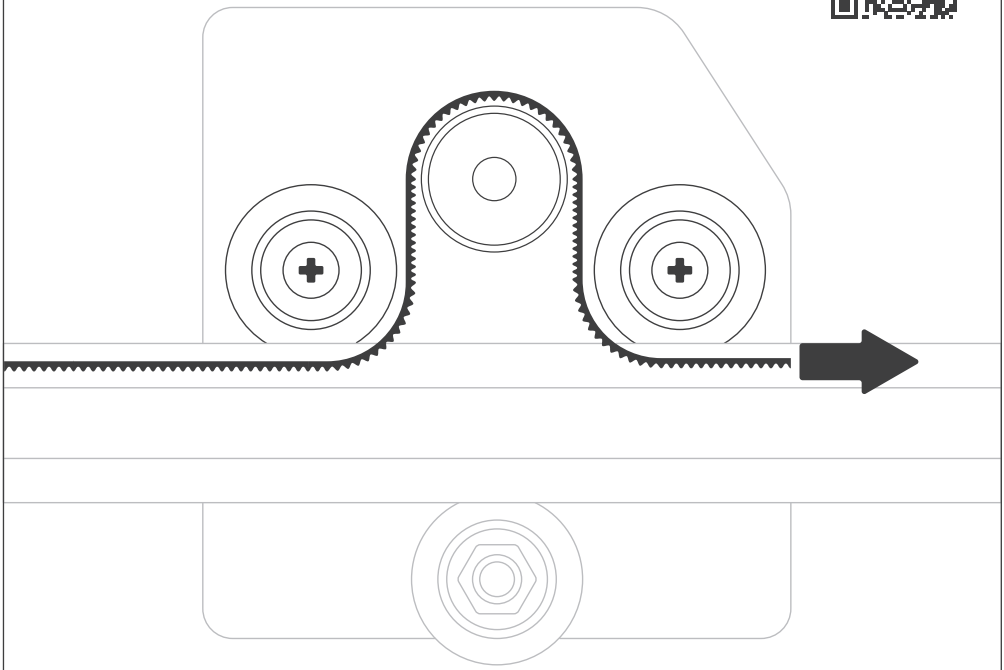
2-A



Pull out the belts in the aluminum extrusions on both sides, then slide the X-axis guide rail into the aluminum extrusions (pay attention to the sliding direction of the guide rail) >

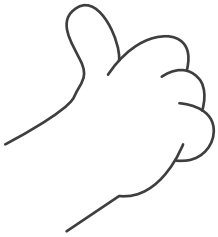
2-B



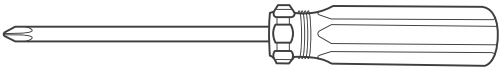


Thread the belts into the slide rails. Pull the belts beyond the length of the aluminum extrusion after threading and then into the slide rails using the tweezers.

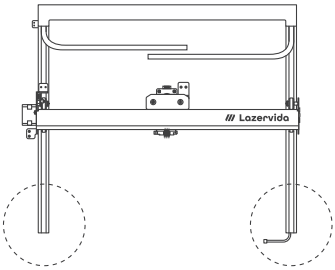
Good Job!

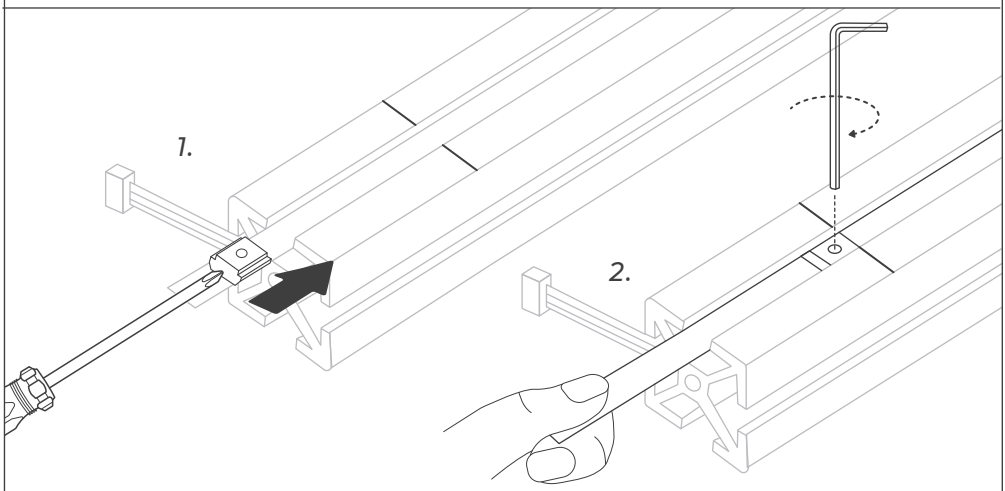


Preparation List

Fasteners	2mm Hex key	Phillips screwdriver
x2		

3





1. Insert the belt and fasteners into the aluminum extrusions (the fasteners are on the belt).
2. Use the 2mm hex key to loosen the set screw on the fastener a little bit > Stuff the fasteners into the aluminum extrusion and tighten the belt > Push the fasteners to the marked line (use a screwdriver to assist when pushing) > Pull the belt and fasten the fasteners with a hex key.

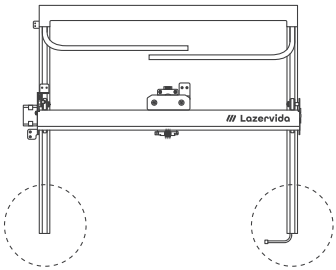
Preparation List

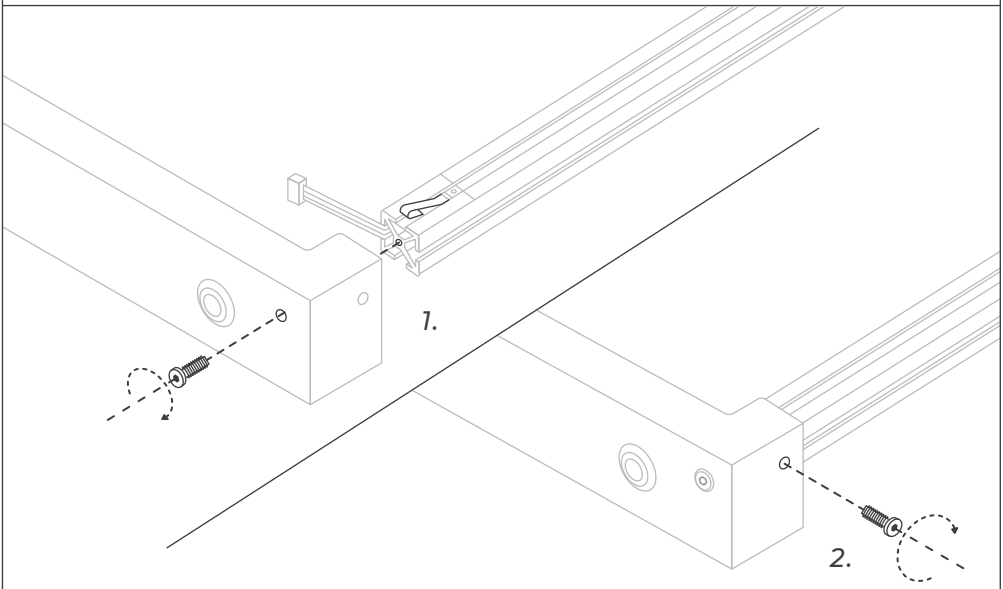
Hex socket cap screws  X4

4mm Hex key 

Front panel

4



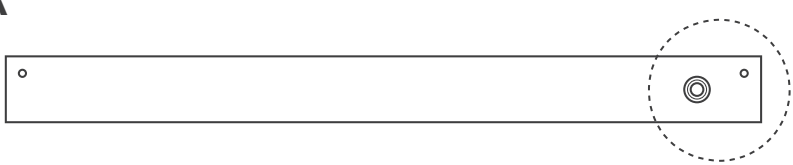


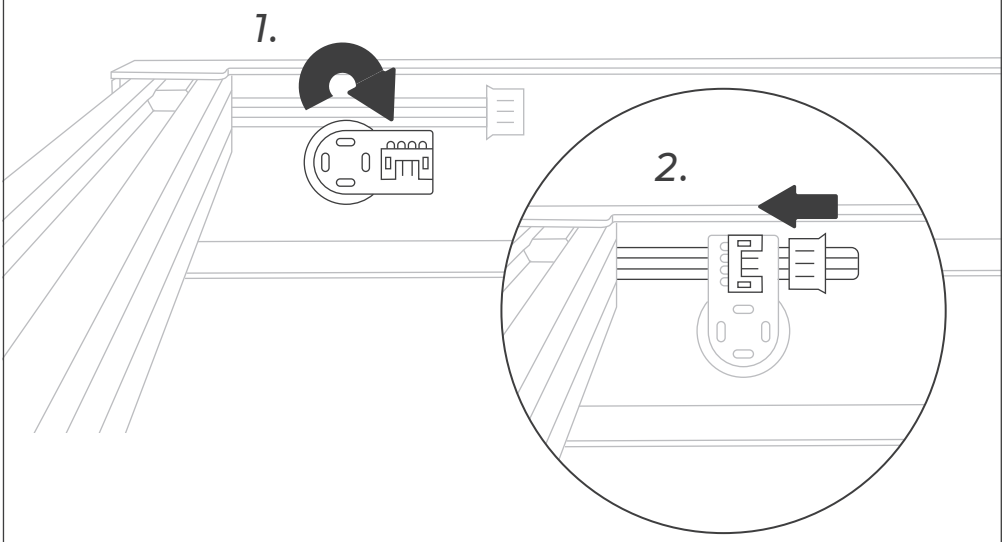
First, fold the belt of the aluminum extrusion on the right and hide it in the aluminum extrusion, and then fasten the front panel (two large socket screws on each side, four in total).

Preparation List

Tweezers

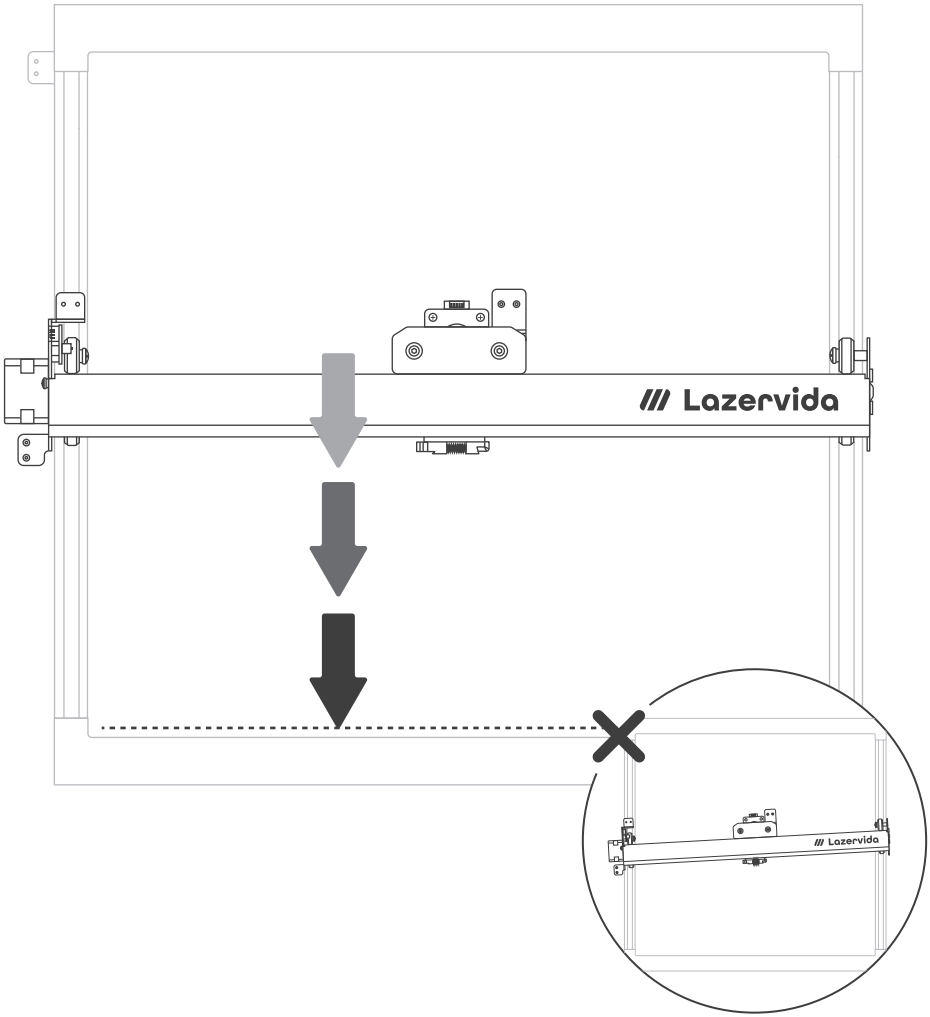
5-A





1. Turn the circuit board of the power button 90 degrees clockwise, then pass the 4Pin wire on the aluminum extrusion to the back of it.
2. After that, turn the small circuit board back to its original position and insert it into the 4Pin socket (Tweezers can be used to assist in cable trimming) >

5-B



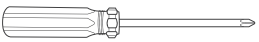
Push the X-axis guide rail's both sides to the front panel. Adjust the guide rail's level to ensure the machine moves smoothly.

Preparation List

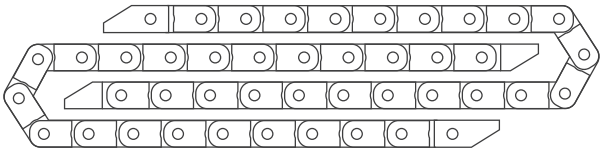
Phillips screws

x8

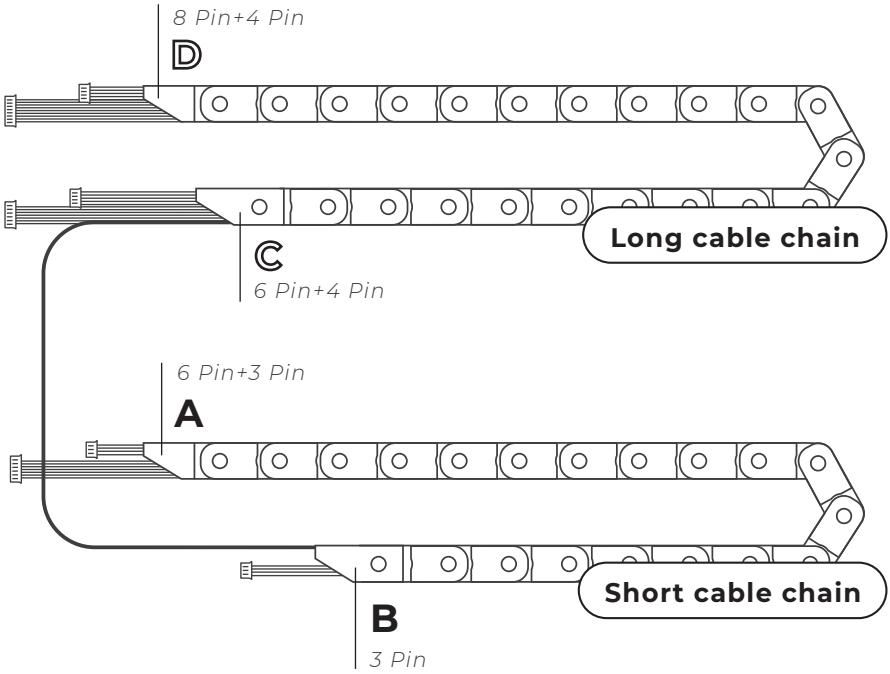
Phillips screwdriver



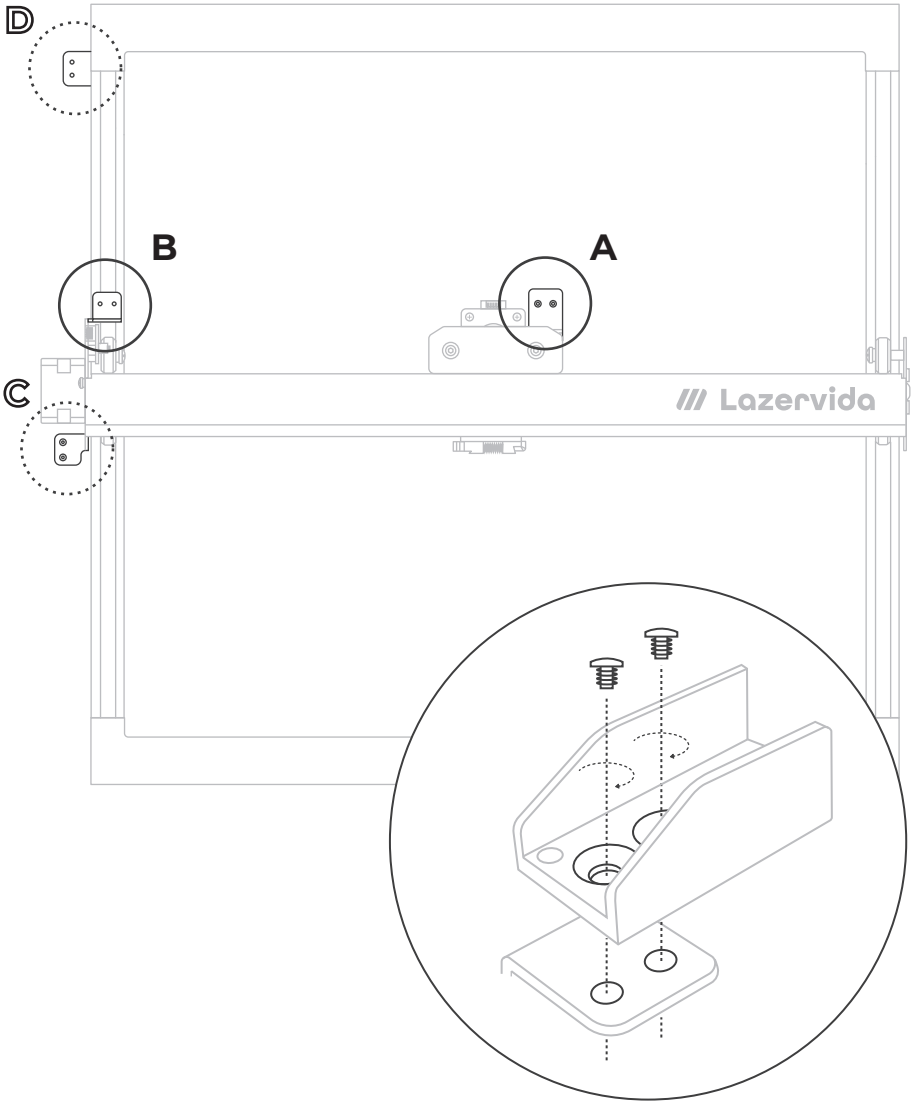
Cable chain



6

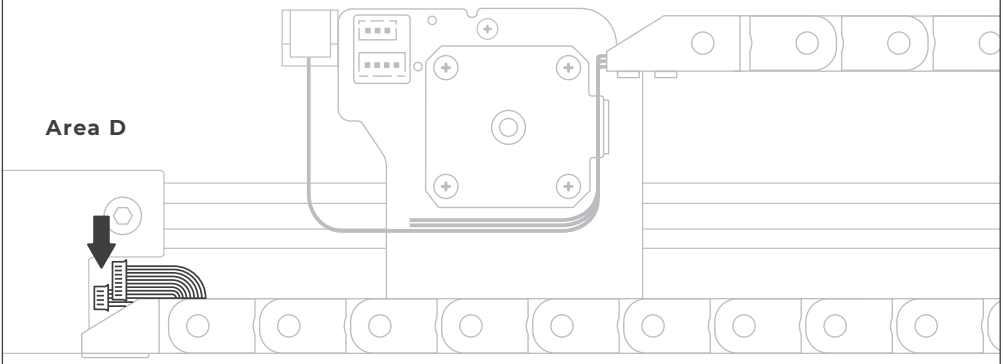


Take out the cable chains and 8 Philips screws. Fasten the cable chains in sequence according to the marked positions in the diagram.



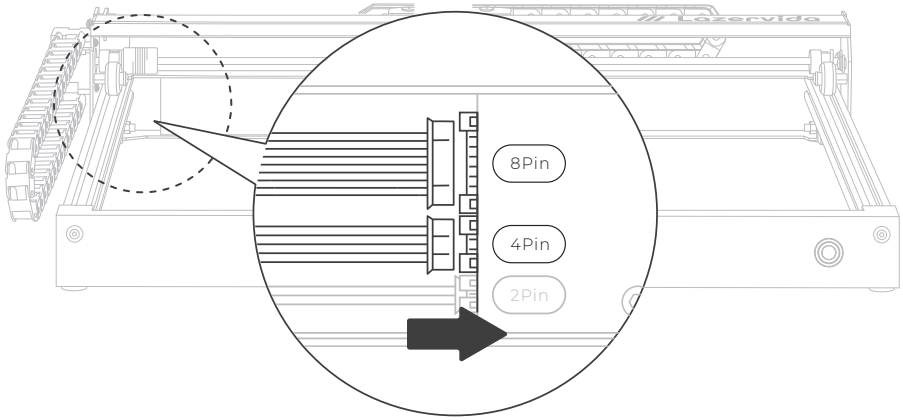
Please place the cable chain according to the diagram and fasten it in **sequence.**

7-A



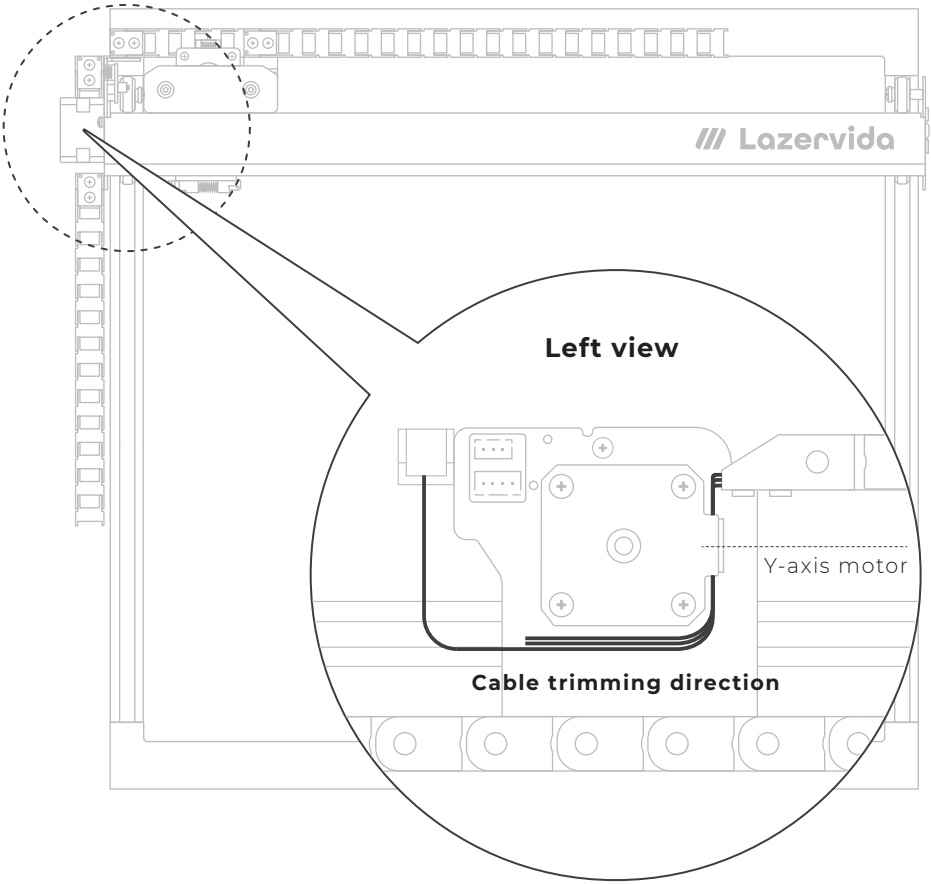
Undo the touch fasteners and thread the cable connectors into the rear panel >

7-B



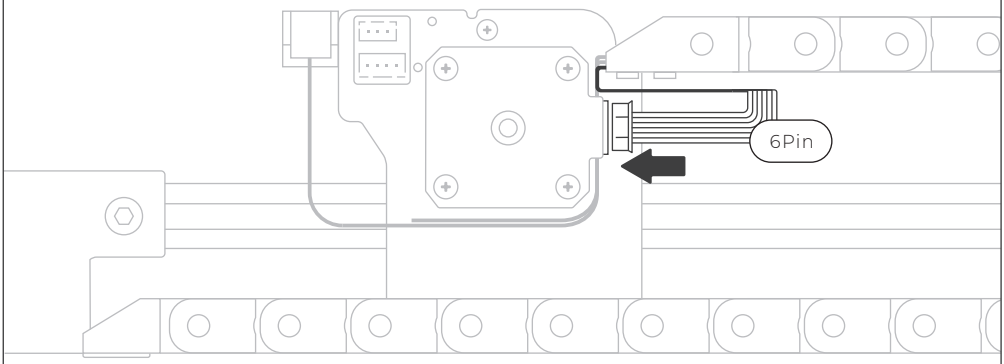
Connect the two (8Pin / 4Pin) cables to the motherboard.

8-A



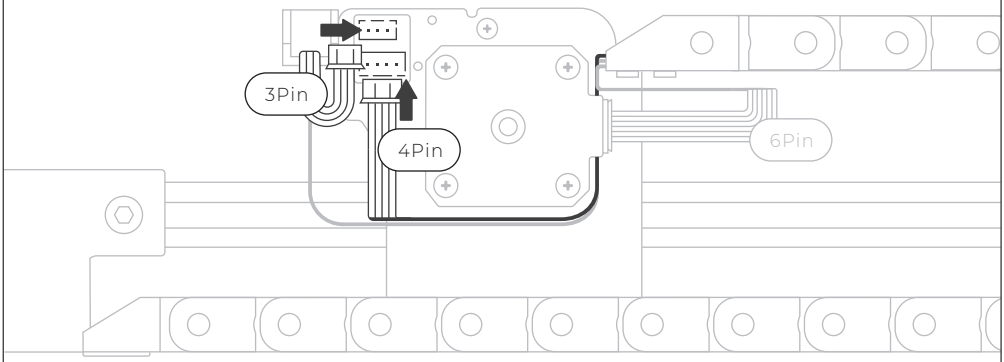
Look at the left view of the machine. Wind the three cables to the bottom of the Y-axis motor >

8-B



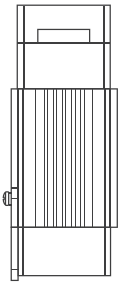
Insert the 6Pin cable into the socket of the Y-axis motor >

8-C



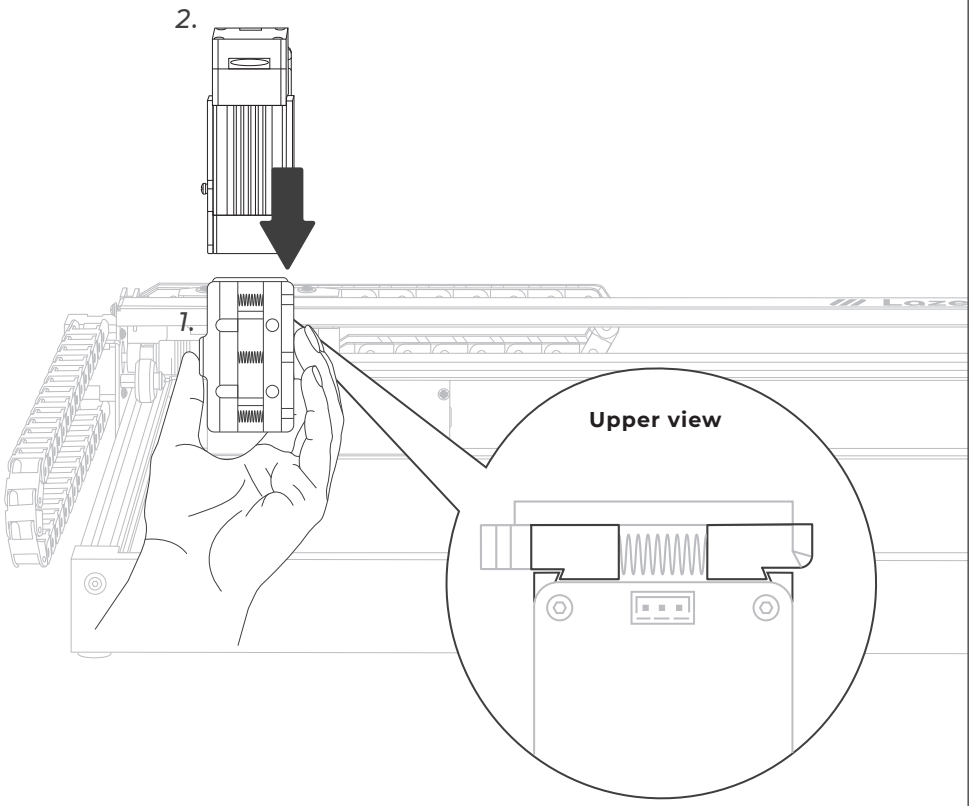
Insert the 3Pin / 4Pin cables into the small board respectively.

Preparation List



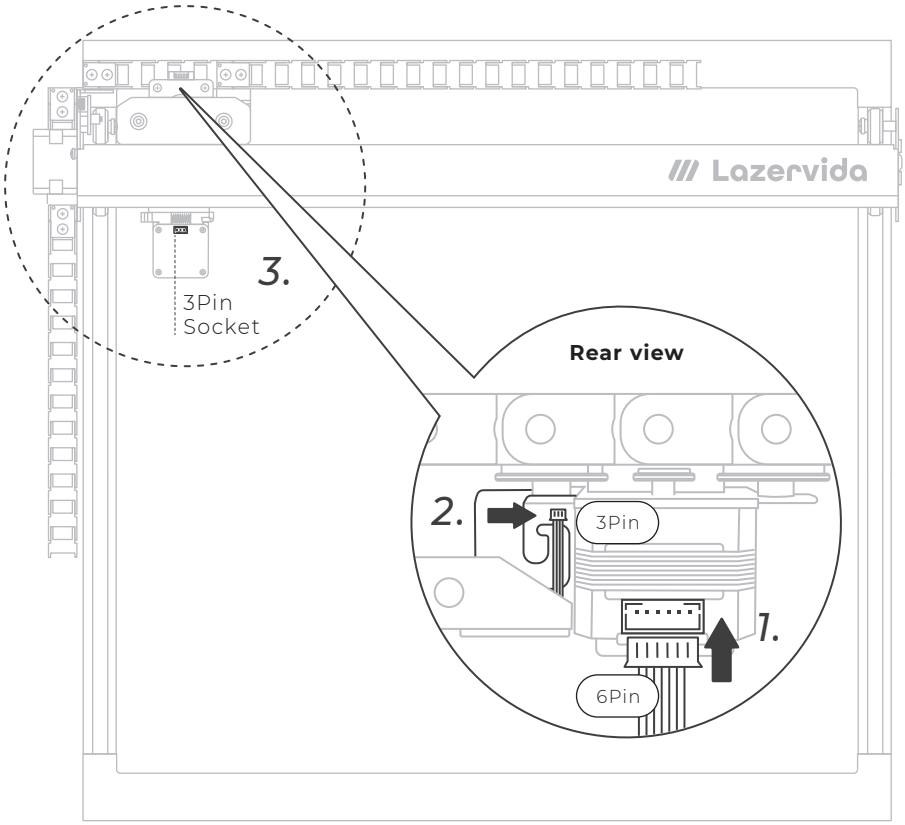
Laser head

9



Take out the laser head. Press the spring mount with both hands, and slide/insert the laser head into it.

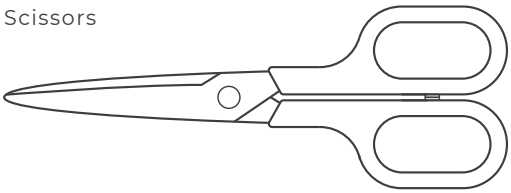
10



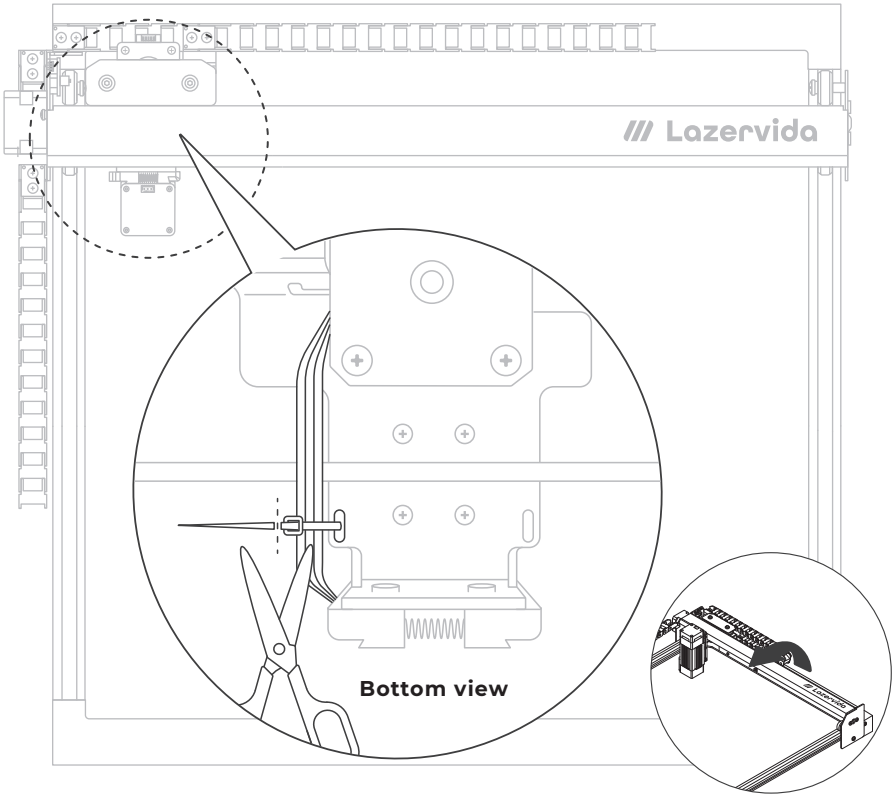
First, insert the 6Pin cable into the X-axis motor according to the diagram > then pass the 3Pin cable through the gap in the picture and plug it into the socket of the laser head.

Preparation List

Scissors



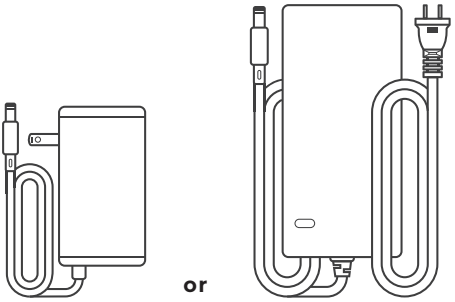
11



Push the front panel of the X-axis slide rail to the bottom, and then lift the rear panel. After standing the whole machine, insert the cable tie into the oblong hole under the laser head. Tighten the cable tie, then fix the laser head cable that has just been inserted. Cut off the excess with scissors ultimately.

Preparation List

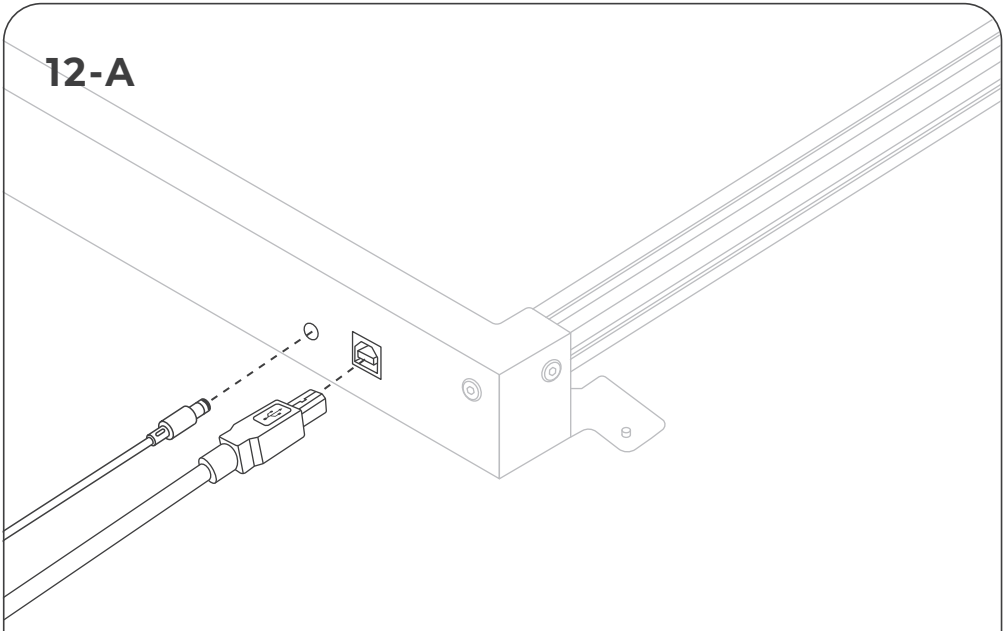
Power adaptor



or

USB cable

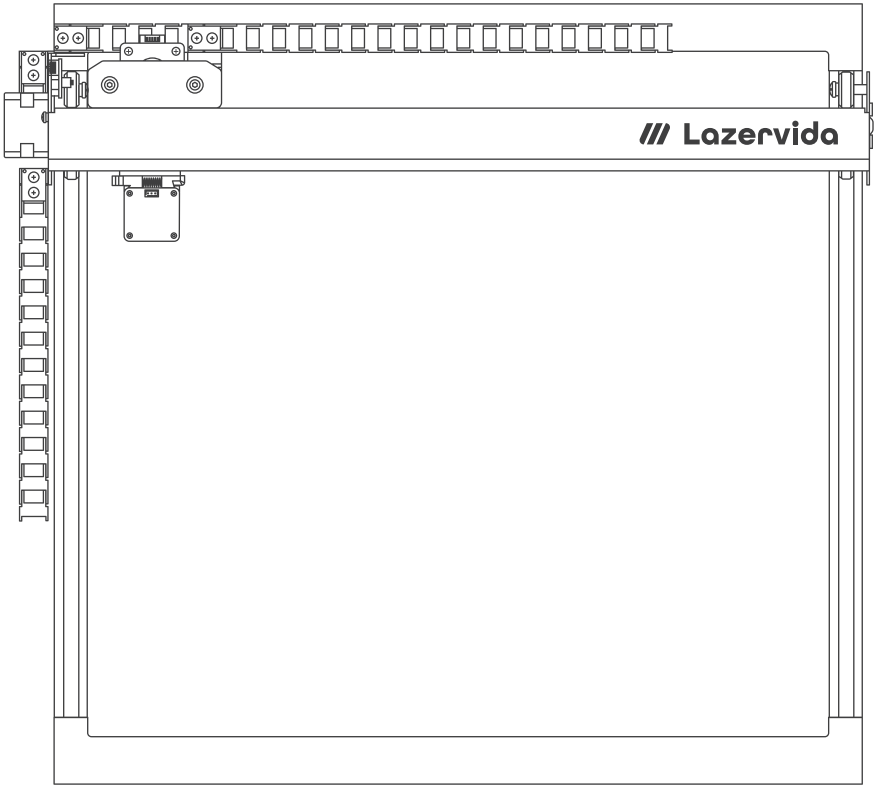
12-A



Connect the power adaptor to the socket and the USB cable to the computer >

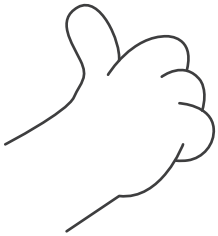
12-B

Homing Failed



Power on > The machine will automatically home to zero (back to the upper left corner) > If the home is successful, it means the installation is complete!

Congratulations!



12-C

Laser Software Tutorial - Swiftray

Software Tutorial

https://support.lazervida.com/hc/en-us/articles/5122403786127

Swiftray Download

https://lazervida.com/downloads

Please scan the QR code above to start your laser journey!

Warranty

During the production process, Lazervida will rigorously test the product to ensure the quality and reliability of the product before shipment. However, the product may not perform as expected in some cases. If there is any malfunction, please contact the customer service department to find out the main cause of the situation.

Before applying for technical service, please confirm that your product has been installed and used correctly according to the instructions of the user manual and help center.

Warranty period

1. The warranty is limited to the main part of the product (excluding consumables such as laser safety goggles, tweezers, screws, fasteners, wrenches,
   wood piece, user manual, outer box packaging).
2. Products must be purchased through an authorized Lazervida channel. The warranty rights are non-transferable.
3. Users need to provide the following information to exercise the warranty rights.
   a. Provide machine serial number.
   b. Invoice or relevant proof of purchase.
   c. Technical troubleshooting record with Lazervida support team.
4. During the warranty period, Lazervida provides the following services. Replacement of components will not affect or extend the warranty rights.
   a. Online customer service.
   b. Components provided (including freight) and assistance to help users replace by themselves through online customer service.

Warranty date starts from the date of shipment

The warranty period of the product starts from the date of shipment. The consumable items are not covered by the warranty. Please refer to the table below for the warranty period of each product :

Laser safety goggles	The warranty is not applicable under normal wear and tear of consumables.
Tweezers	The warranty is not applicable under normal wear and tear of consumables.
Screws	The warranty is not applicable under normal wear and tear of consumables.
fasteners	The warranty is not applicable under normal wear and tear of consumables.
Wrench	The warranty is not applicable under normal wear and tear of consumables.
Pulley	The warranty is not applicable under normal wear and tear of consumables.
Belt	The warranty is not applicable under normal wear and tear of consumables.
Wood piece	The warranty is not applicable under normal wear and tear of consumables.
User manual	The warranty is not applicable under normal wear and tear of consumables.
Outer box package	The warranty is not applicable under normal wear and tear of consumables.
USB cable	Form the date of shipment, a one-year free warranty is provided.
Power cable & Adapter	Form the date of shipment, a one-year free warranty is provided.
Laser head	Form the date of shipment, a one-year free warranty is provided.

Also, Warranty terms are exercised according to local regulations, as the following explanation:

As a Lazervida consumer, you benefit under certain conditions from additional warranties. Lazervida offers specific consumer warranty benefits which are in addition to, and not instead of, any legal warranties provided by your national consumer law. The duration and conditions related to the legal warranties are provided by respective local laws.

Service after warranty

1. Lazervida will continue to provide online technical support services
2. If Lazervida's components need to be replaced, users will be responsible for all shipping and components costs after the warranty date.

Disclaimer

Lazervida has done the best to provide correct information, so we will not be liable for damage to components or the product itself caused by errors or omissions by consumers, nor for damage not caused by the product itself.

Lazervida is not liable for the warranty in the following cases:

1. **Accident, abuse, flood, fire, earthquake, improper use (such as: use of dangerous materials that are not recommended by official and Lazervida professionals. If you have any doubts about the material you want to operate, please click on the dangerous material for further reference) or other damage caused by external causes.**
2. **Damage caused by operation of the product exceeded the permitted or expected range of application of Lazervida.**
3. **Products or components whose function or performance has not been authorized to be altered by Lazervida**
4. **Decorative damage, including but not limited to scratches, edge lines and plastic damage, which do not affect the function of the product or seriously affect the use of the product.**