

Tabla de Contenido

1. Introduction	7
Paso 1 - Introduction	8
Paso 2 - Printer compatibility	8
Paso 3 - Herramientas incluidas para el montaje del Cerramiento	9
Paso 4 - Additional tools	9
Paso 5 - Labels guide	10
Paso 6 - Usa las etiquetas como referencia	10
Paso 7 - Ver imágenes de alta resolución	11
Paso 8 - Reward yourself	11
Paso 9 - Cómo terminar con éxito el montaje	12
Paso 10 - Upgrade your parts	13
Paso 11 - Optional parts	14
Paso 12 - Add-ons	14
Paso 13 - ¡Estamos aquí para atenderte!	15
2. Assembling the Enclosure	16
Paso 1 - Herramientas necesarias para este capítulo	17
Paso 2 - Base & feet: parts preparation	17
Paso 3 - Preparing the foot-brackets	18
Paso 4 - Colocando las almohadillas antivibratorias	18
Paso 5 - Attaching the foot-brackets	19
Paso 6 - Mounting the foot-brackets	19
Paso 7 - Anti-slip dampers: parts preparation	20
Paso 8 - Preparando los amortiguadores antideslizantes	20
Paso 9 - Montando los amortiguadores antideslizantes	21
Paso 10 - Profiles: parts preparation	21
Paso 11 - Installing the profiles	22
Paso 12 - Top panel: parts preparation	22
Paso 13 - Fire Suppression System (add-on): parts preparation	23
Paso 14 - Preparing the Fire suppression system tube (add-on)	23
Paso 15 - Attaching the Fire suppression system tube (add-on)	24
Paso 16 - Securing the Fire suppression system tube (add-on): right side	24
Paso 17 - Securing the Fire suppression system tube (add-on): left side	25
Paso 18 - Instalando el panel superior	25
Paso 19 - Preparing the top window panel	26
Paso 20 - Mounting the top window panel	26
Paso 21 - MINI Back panel: parts preparation	27
Paso 22 - Installing the back panel	27
Paso 23 - Advanced filtration system (add-on): parts preparation	28
Paso 24 - Assembling the filtration: parts preparation (add-on)	28
Paso 25 - Assembling the filtration (add-on)	29
Paso 26 - Assembling the filtration (add-on)	29
Paso 27 - Assembling the filtration (add-on)	30
Paso 28 - Installing the blower (add-on)	30
Paso 29 - Inserting the HEPA filter (add-on)	31
Paso 30 - Inserting the HEPA filter (add-on)	31
Paso 31 - Installing the filtration (add-on)	32
Paso 32 - Side panels: parts preparation	32
Paso 33 - Installing the side panel	33
Paso 34 - Asa de transporte (opcional): preparación de las piezas	33
Paso 35 - Instalando el asa de transporte (opcional)	34

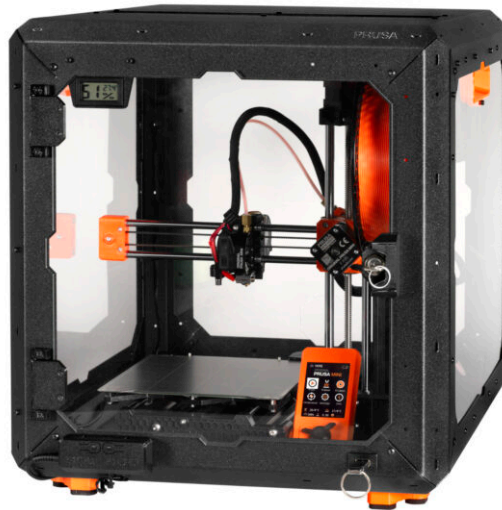
Paso 36 - Mounting the transport handle (optional)	34
Paso 37 - White LED strip (add-on): parts preparation	35
Paso 38 - Assembling the LED strip (add-on)	36
Paso 39 - Assembling the LED strip (add-on)	36
Paso 40 - Mounting the LED strip (add-on)	37
Paso 41 - LED cable: parts preparation (add-on)	37
Paso 42 - Guiding the LED cable (add-on)	38
Paso 43 - Guiding the filtration cable: parts preparation (add-on)	38
Paso 44 - Guiding the add-on cables: filtration cable (add-on)	39
Paso 45 - Cable USB: preparación de las piezas	39
Paso 46 - Insertando el cable USB	40
Paso 47 - PSU: parts preparation (add-on)	40
Paso 48 - Guiding the PSU cable (add-on)	41
Paso 49 - Releasing the front foot (add-on)	41
Paso 50 - Securing the PSU cable (add-on)	42
Paso 51 - Printer PSU preparing	42
Paso 52 - Inserting the printer PSU cable	43
Paso 53 - Securing the printer PSU cable	43
Paso 54 - Basic Board: parts preparation (add-on)	44
Paso 55 - Installing the Basic Board (add-on)	44
Paso 56 - Installing the Basic Board (add-on)	45
Paso 57 - Assembling the Basic Board (add-on)	45
Paso 58 - Mounting the Basic Board (add-on)	46
Paso 59 - Connecting the Basic Board (add-on)	46
Paso 60 - PSU holder clarification (optional)	47
Paso 61 - PSU holder: parts preparation (optional)	48
Paso 62 - PSU holder nut preparation (optional)	48
Paso 63 - PSU holder preparation (optional)	49
Paso 64 - Attaching the PSU holder (optional)	49
Paso 65 - Securing the PSUs (optional)	50
Paso 66 - Bisagras de la puerta: preparación de las piezas	50
Paso 67 - Assembling the hinges	51
Paso 68 - Mounting the hinges	51
Paso 69 - Mechanical lock (add-on): parts preparation	52
Paso 70 - Assembling the lock insert (add-on): parts preparation	52
Paso 71 - Assembling the lock housing (add-on)	53
Paso 72 - Securing the lock housing (add-on)	53
Paso 73 - Assembling the lock mechanism (add-on): parts preparation	54
Paso 74 - Assembling the lock mechanism (add-on)	54
Paso 75 - Securing the lock mechanism (add-on)	55
Paso 76 - Installing the door panel (add-on): parts preparation	55
Paso 77 - Installing the door panel (add-on)	56
Paso 78 - Door assembly: parts preparation	56
Paso 79 - Installing the door panel	57
Paso 80 - Montando el asa de la puerta	57
Paso 81 - Haribo time!	58
Paso 82 - Good job!	58
3. Installing the printer	59
Paso 1 - Herramientas necesarias para este capítulo	60
Paso 2 - Configurando la impresora	60
Paso 3 - Removing the input PTFE tube (optional)	61
Paso 4 - Retirando el sensor de filamento (opcional)	61
Paso 5 - Input PTFE tube: parts preparation (optional)	62
Paso 6 - Insertar el tubo de PTFE	62

Paso 7 - Instalación del sensor de filamento (opcional)	63
Paso 8 - Preparando la impresora	63
Paso 9 - Instalando la impresora	64
Paso 10 - Connecting the PSUs: parts preparation (add-on)	64
Paso 11 - Connecting the PSUs (add-on)	65
Paso 12 - Conectando los cables	65
Paso 13 - Ajustando la posición de la impresora	66
Paso 14 - Termómetro: preparación de las piezas	66
Paso 15 - Ensamblando el termómetro	67
Paso 16 - Portabobinas: preparación de las piezas	67
Paso 17 - Instalando el soporte de bobina	68
Paso 18 - Montaje del brazo lateral	68
Paso 19 - Pegando la etiqueta	69
Paso 20 - Momento Haribo!	69
Paso 21 - Eso es todo	70
Sistema de filtración avanzado (complemento)	71
Paso 1 - Herramientas necesarias para este capítulo	72
Paso 2 - Additional tools	72
Paso 3 - Optional parts	73
Paso 4 - Desmontaje del brazo lateral	73
Paso 5 - Disconnecting the cables	74
Paso 6 - Uninstalling the printer	75
Paso 7 - Advanced filtration system: parts preparation	75
Paso 8 - Montaje de la filtración: preparación de las piezas	76
Paso 9 - Assembling the filtration	76
Paso 10 - Assembling the filtration	77
Paso 11 - Assembling the filtration	77
Paso 12 - Installing the blower	78
Paso 13 - Inserting the HEPA filter	78
Paso 14 - Inserting the HEPA filter	79
Paso 15 - Installing the filtration	79
Paso 16 - Guiado del cable de la filtración: preparación de las piezas	80
Paso 17 - Guiding the add-on cables: filtration cable	80
Paso 18 - Fuente de alimentación: preparación de las piezas	81
Paso 19 - Releasing the rear foot	81
Paso 20 - Guiding the PSU cable	82
Paso 21 - Securing the rear foot	82
Paso 22 - Releasing the front foot	83
Paso 23 - Securing the PSU cable	83
Paso 24 - Basic Board: parts preparation	84
Paso 25 - Installing the Basic Board	84
Paso 26 - Installing the Basic Board	85
Paso 27 - Mounting the Basic Board	85
Paso 28 - Connecting the Basic Board	86
Paso 29 - PSU holder clarification (optional)	86
Paso 30 - PSU holder: parts preparation (optional)	87
Paso 31 - PSU holder nut preparation (optional)	87
Paso 32 - PSU holder preparation (optional)	88
Paso 33 - Attaching the PSU holder (optional)	88
Paso 34 - Securing the PSUs (optional)	89
Paso 35 - Installing the printer	89
Paso 36 - Adjusting printer position	90
Paso 37 - Connecting the cables	90
Paso 38 - Montaje del brazo lateral	91

Paso 39 - Connecting the cables	91
Paso 40 - Connecting the PSUs: parts preparation	92
Paso 41 - Connecting the PSUs	92
Paso 42 - That's it	93
White LED strip (add-on)	94
Paso 1 - Herramientas necesarias para este capítulo	95
Paso 2 - Additional tools	95
Paso 3 - Optional parts	96
Paso 4 - Desmontaje del brazo lateral	96
Paso 5 - Disconnecting the cables	97
Paso 6 - Uninstalling the printer	98
Paso 7 - Delta PSU: parts preparation	98
Paso 8 - Releasing the rear foot	99
Paso 9 - Guiding the PSU cable	99
Paso 10 - Securing the rear foot	100
Paso 11 - Releasing the front foot	100
Paso 12 - Securing the PSU cable	101
Paso 13 - Tira LED blanca: preparación de las piezas	101
Paso 14 - Assembling the LED strip	102
Paso 15 - Assembling the LED strip	102
Paso 16 - Montaje de la tira LED	103
Paso 17 - LED cable: parts preparation	103
Paso 18 - Guiding the LED cable	104
Paso 19 - Basic Board: parts preparation	104
Paso 20 - Installing the Basic Board	105
Paso 21 - Installing the Basic Board	105
Paso 22 - Mounting the Basic Board	106
Paso 23 - Connecting the Basic Board	106
Paso 24 - PSU holder clarification (optional)	107
Paso 25 - PSU holder: parts preparation (optional)	107
Paso 26 - PSU holder nut preparation (optional)	108
Paso 27 - PSU holder preparation (optional)	108
Paso 28 - Attaching the PSU holder (optional)	109
Paso 29 - Securing the PSUs (optional)	109
Paso 30 - Installing the printer	110
Paso 31 - Adjusting printer position	110
Paso 32 - Connecting the cables	111
Paso 33 - Montaje del brazo lateral	111
Paso 34 - That's it	112
Sistema de Extinción de Incendios (complemento)	113
Paso 1 - Herramientas necesarias para este capítulo	114
Paso 2 - Desmontaje del brazo lateral	114
Paso 3 - Disconnecting the cables	115
Paso 4 - Uninstalling the printer	116
Paso 5 - Fire suppression system: parts preparation	116
Paso 6 - Mounting the P-clamp	117
Paso 7 - Mounting the P-clamp	117
Paso 8 - Instalando el sistema automático de supresión	118
Paso 9 - Asegurando el sistema automático de supresión	118
Paso 10 - Installing the printer	119
Paso 11 - Adjusting printer position	119
Paso 12 - Connecting the cables	120
Paso 13 - Montaje del brazo lateral	120
Paso 14 - Connecting the cables	121

Paso 15 - That's it	121
Mechanical lock (add-on)	122
Paso 1 - Introduction	123
Paso 2 - Herramientas necesarias para este capítulo	123
Paso 3 - Additional tools	124
Paso 4 - Desmontaje del asa de la puerta	124
Paso 5 - Mechanical lock: parts preparation	125
Paso 6 - Montaje de la carcasa de la cerradura	125
Paso 7 - Securing the lock housing	126
Paso 8 - Montando el mecanismo de cierre: preparación de las piezas	126
Paso 9 - Montaje del mecanismo de cierre	127
Paso 10 - Securing the lock mechanism	127
Paso 11 - Good job!	128
Registro de cambios del Manual del kit de MINI Enclosure	129

1. Introduction



PASO 1 Introduction



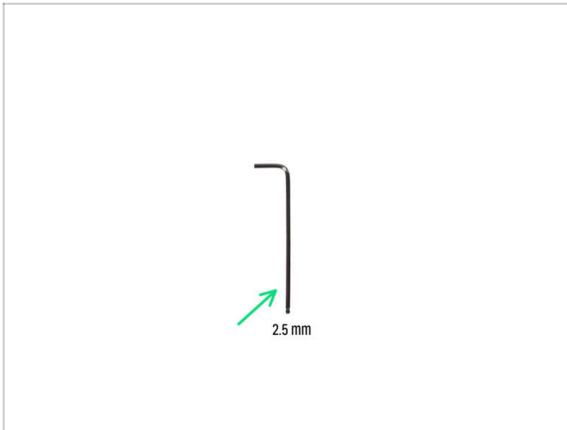
- ◆ Welcome to the assembly instructions for the **Original Prusa MINI Enclosure**.
- ⓘ In this chapter, you will learn all the important information needed for the assembly. Please read carefully.
- ⚠ **Aviso importante:** el paquete contiene perfiles de chapa que tienen bordes afilados. Manipula las piezas con mucho cuidado.
- ⚠ **Si los niños participan en el montaje, supervísalos siempre para evitar lesiones.**

PASO 2 Printer compatibility



- ⓘ The MINI Enclosure assembly manual is specifically intended for these devices:
 - ◆ Original Prusa MINI+
 - ◆ Original Prusa MINI

PASO 3 Herramientas incluidas para el montaje del Cerramiento



- **The kit includes:**
- 2.5mm Allen key

PASO 4 Additional tools



① Tools that are not included but can make assembly easier, especially when installing add-ons.

● **Additional tools:**

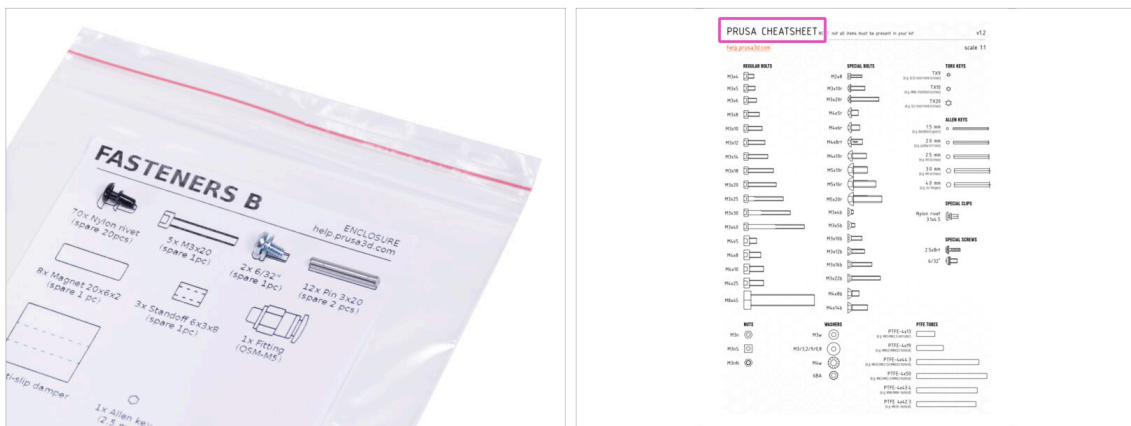
- Side cutters for cutting zip ties and side panels cutouts
- Pliers for securing the E-clip washer

PASO 5 Labels guide



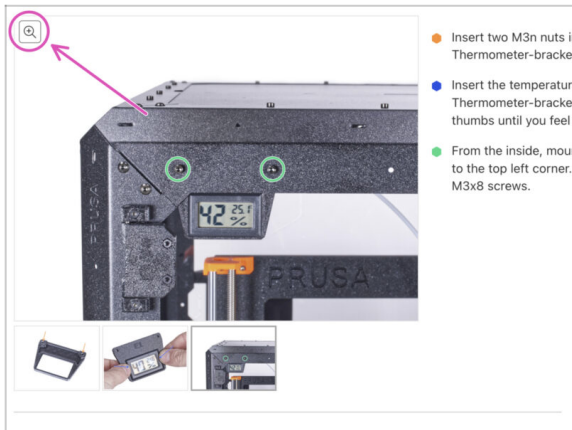
- Todas las cajas y bolsas incluyendo las piezas para el montaje están etiquetadas.
- Las bolsas de FASTENERS A y FASTENERS B incluyen un recambio extra de cada pieza contenida en la bolsa. La cantidad de piezas de repuesto está siempre escrita en la etiqueta debajo de la pieza individual. Esta cantidad está incluida en el número total de cada tipo de pieza.
- ❗ La cantidad de recambio de remaches de nylon puede variar ligeramente, pero nunca inferior a la indicada en la etiqueta.

PASO 6 Usa las etiquetas como referencia



- Los tornillos de las etiquetas tienen una escala de 1:1 y pueden utilizarse para identificar las piezas :-)
- ❗ Los números entre paréntesis debajo de la imagen del tornillo indican el número de piezas adicionales añadidas al paquete SPARE.
- Para los tornillos y tuercas más comunes puedes usar la carta adjunta, que contiene la Prusa Cheatsheet al otro lado.
- ❗ Puedes descargarla desde nuestra web help.prusa3d.com/cheatsheet. Imprimela al 100%, no la reescales, si lo haces no funcionará.

PASO 7 Ver imágenes de alta resolución



i Cuando utilices el manual en la web manual.prusa3d.com, puedes ver las imágenes originales en mayor resolución para mejor claridad.

Simplemente coloca el cursor sobre la imagen y haga clic en el botón Lupa ("Ver original") en la esquina superior izquierda.

PASO 8 Reward yourself



Por la experiencia de construir impresoras Original Prusa, sabemos que los ositos Haribo son una parte integral e importante de cada kit. Aunque ahora no se trata enteramente de construir una impresora, hemos pensado en tu seguridad y hemos añadido una cierta cantidad de ositos de gominola a tu kit también.

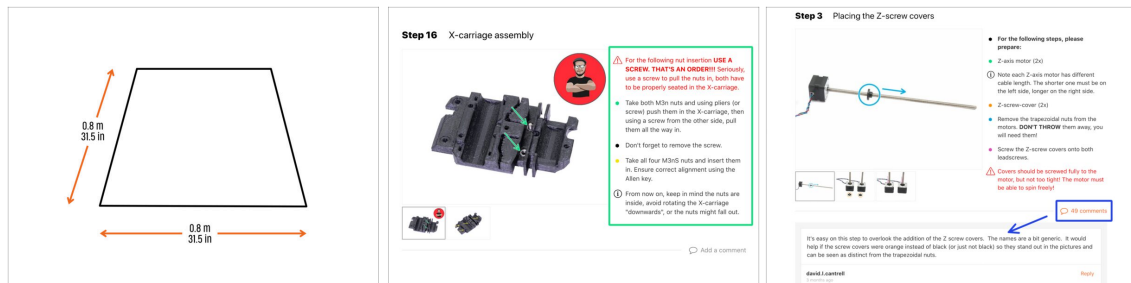
⚠ ¡No te comas toda la bolsa nada más empezar el montaje! Es MUY IMPORTANTE distribuir correctamente la cantidad durante el montaje. Probamos todo tipo de combinaciones de cantidades. Finalmente, llegamos a un resultado exitoso.

Abre el paquete y coloca los ositos de gominola según la imagen. **¡No comas nada ahora!** Espera siempre las instrucciones.

i **Tu paquete podría contener menos osos.** En tal caso, ¡corre inmediatamente a la tienda de dulces más cercana! **¡¡¡La dosis exacta es absolutamente crítica!!!**

Comete el primer osito de gominola para aumentar tu energía. De verdad, ¡sólo uno!

PASO 9 Cómo terminar con éxito el montaje



Para trabajar con comodidad, se recomienda **preparar un banco de trabajo limpio con un espacio de al menos 0.8 m x 0.8 m (31.5 in x 31.5 in)**. Con acceso desde dos lados o más.



Recomendamos una **luz brillante sobre su banco de trabajo**. Algunas piezas del interior del cerramiento son oscuras y una luz inadecuada podría dificultar el procedimiento.



Siempre lee primero todas las instrucciones del paso actual. Esto te ayudará a comprender lo que debes hacer. **¡No cortes ni recortes a menos que se te indique!**



¡No sigas solo imágenes! No es suficiente, las instrucciones escritas son tan breves como pueden ser. Léelas.



Lee los comentarios de los otros usuarios. Son una gran fuente de ideas. Los leemos también y basándonos en sus comentarios mejoramos el manual y todo el montaje.

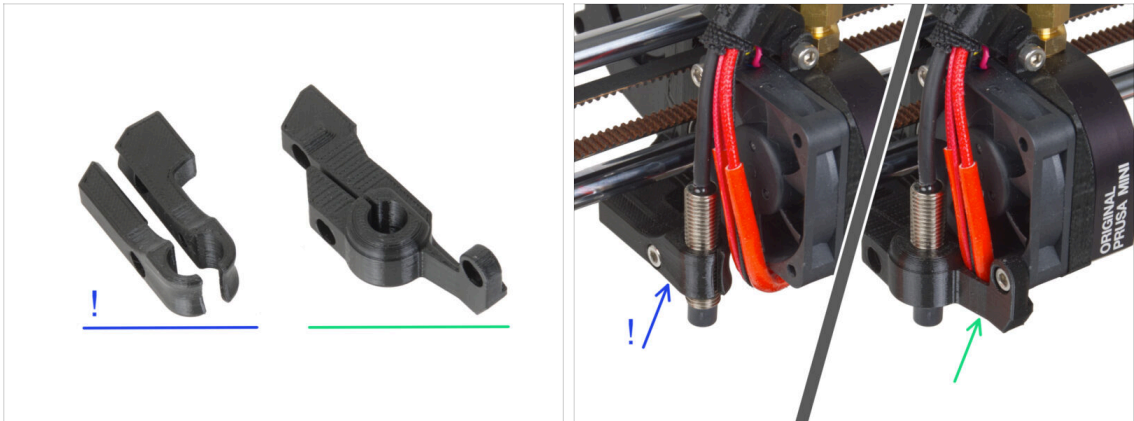


Ejerce una fuerza razonable. Las piezas impresas son resistentes, pero no irrompibles. Si no encaja, comprueba tus pasos dos veces.



Lo más importante: disfruta de la construcción, diviértete. Cooperar con sus hijos, amigos o socios. Sin embargo, no nos hacemos responsables de posibles peleas ;)

PASO 10 Upgrade your parts



- ❗ Certain parts of your printer may be more susceptible to the higher temperatures that can occur inside the enclosure during printing. We recommend upgrading these parts to more durable ones:
- 🔵 **Old MINI-minda-holder:** on the first Original Prusa MINI units. Assembled from two parts. If you have this version, **it is recommended to upgrade to the new one**, which is available for download on [Printables](#).

⬛ Instructions for replacing the part can be found in the [separate guide](#).

⚠️ **The replacement changes the height of the SuperPINDA/M.I.N.D.A. sensor! Don't forget to recalibrate the first layer after replacing these parts.**
 - 🟢 **New MINI-minda-holder:** sturdy part, attached to the fan case. If you have this part, you do not need to upgrade it.
- ⚠️ **Print out all required parts before proceeding with the instructions.**

PASO 11 Optional parts



- Hemos diseñado mejoras que no se incluyen por defecto en el kit, pero puede imprimirlas y añadirlas a la caja durante el montaje. Las fijaciones ya están incluidas en el kit.

 **Imprime las piezas antes de empezar el montaje.**

- Para ver la lista completa de las piezas, visita nuestra colección en [Printables.com](https://www.printables.com).

PASO 12 Add-ons

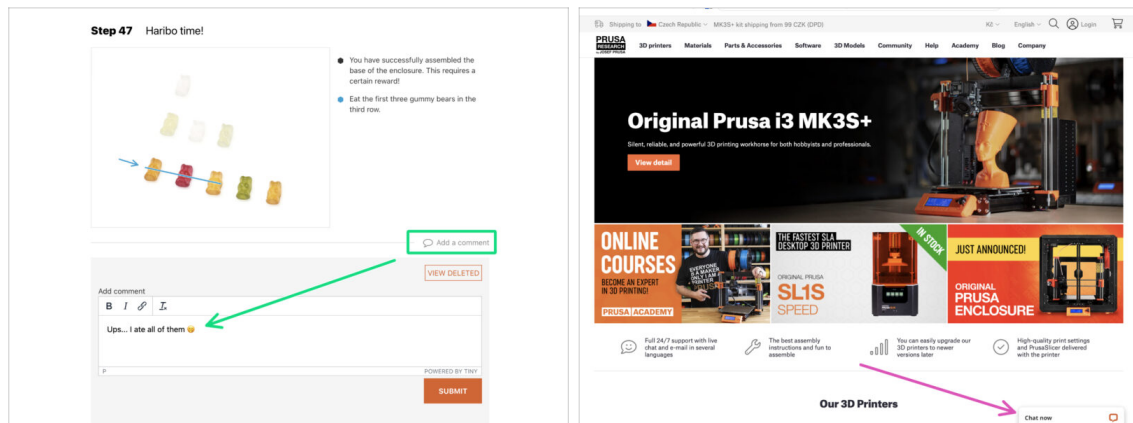


-  Have you purchased any add-ons along with the MINI Enclosure? Instructions for installing them are included in the manual, and you will be informed in advance for each add-on.

- At the beginning of the instructions for each add-on, you will be reminded of the add-on symbol.

-  If you don't have any add-ons, you can skip the steps related to add-ons and proceed with the other necessary instructions.

PASO 13 ¡Estamos aquí para atenderte!

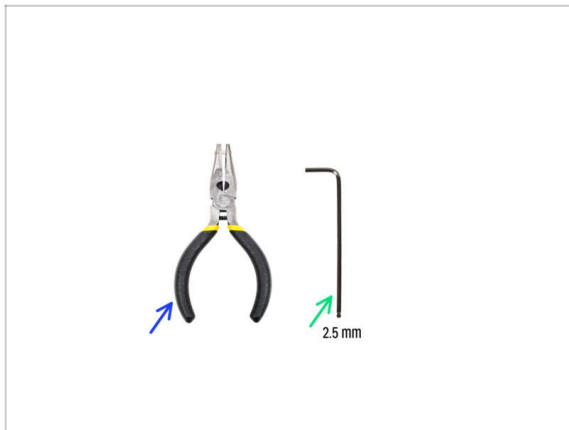


- ¿Perdido en las instrucciones, te falta algún tornillo o se ha roto alguna pieza?
¡Háznoslo saber
- Puedes contactar con nosotros empleando los siguientes medios:
 - Empleando los comentarios de cada paso.
 - Usa nuestro chat 24/7 en prusa3d.com
 - Escribenos un correo a info@prusa3d.com
- So, ready? Let's move to the next chapter **2. Assembling the Enclosure.**

2. Assembling the Enclosure

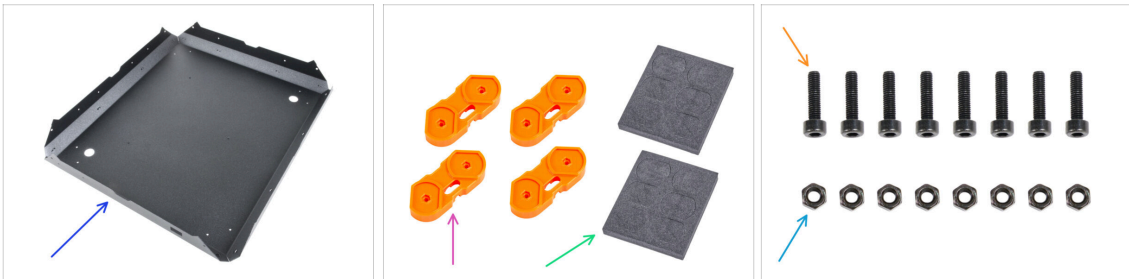


PASO 1 Herramientas necesarias para este capítulo



- Para este capítulo, prepara por favor:
- Needle-nose pliers *for mechanical lock add-on only*
- 2.5mm Allen key

PASO 2 Base & feet: parts preparation



- Para los siguientes pasos, por favor prepara:
- MINI Bottom panel (1x)
 - ⚠ **Handle metal sheet very carefully! The metal sheet have sharp edges.**
- Feet bracket (4x)
- Foam block or foam pad set (2x)
- M3x12 screw (8x)
- M3n nut (8x)

PASO 3 Preparing the foot-brackets



➡ Into each foot-bracket, insert two M3n nuts.

⚠ **Do not flip the part over. The nuts may fall off the part.**

PASO 4 Colocando las almohadillas antivibratorias



➡ Gently push 8 pads out of the blocks.

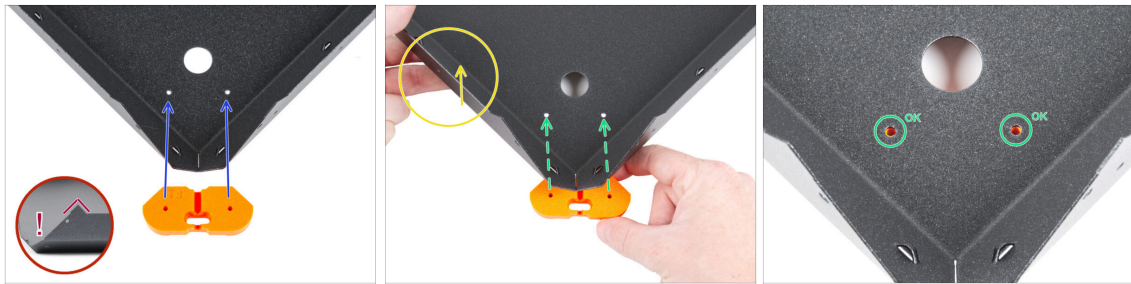
ⓘ Keep the remaining four pads as a spare.

➡ Peel the protective film from all pads. Be careful, there is glue (adhesive) applied on the pad.

⚠ **Take the foot-bracket and check both M3 nuts are in place before you glue the anti-vibration pads.**

➡ Glue the anti-vibration pad into each same-shape pocket in the foot-brackets. Always apply pressure to the pad to ensure proper adhesion.

PASO 5 Attaching the foot-brackets



⚠ Take the MINI Bottom panel and ensure its correct orientation. **The sharp bends of the sheet metal must point upwards.**

⬛ We recommend using a soft, clean pad when working with sheet metal parts to protect both the part and your workbench.

⬢ Take the foot-bracket and align it with the two holes in the MINI Bottom panel as shown.

⚠ **Ensure the same part orientation as seen in the picture.**

⬢ Slightly lift the MINI Bottom panel.

⬢ Slide the foot-bracket under the MINI Bottom panel until the holes in the base align with the holes in the foot-bracket.

⚠ **Do not move with the assembly.**

PASO 6 Mounting the foot-brackets



⚠ **Do not move with the assembly.**

⬛ Again, check the holes in both parts are lined up.

⬢ Insert two M3x12 screw into the holes.

⬢ Fully tighten both screws.

⬢ Proceed the same with all foot-brackets.

PASO 7 Anti-slip dampers: parts preparation



● Para los siguientes pasos, por favor prepara:

● Anti-slip damper (3x)

● Damper-insert (3x)

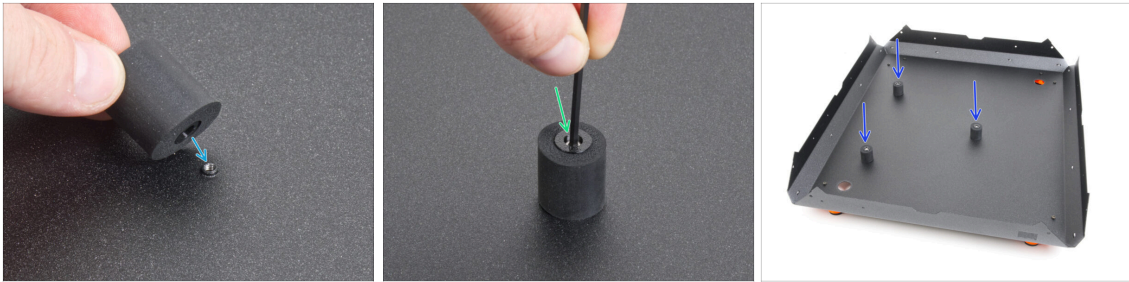
● M3x20 screw (3x)

PASO 8 Preparando los amortiguadores antideslizantes



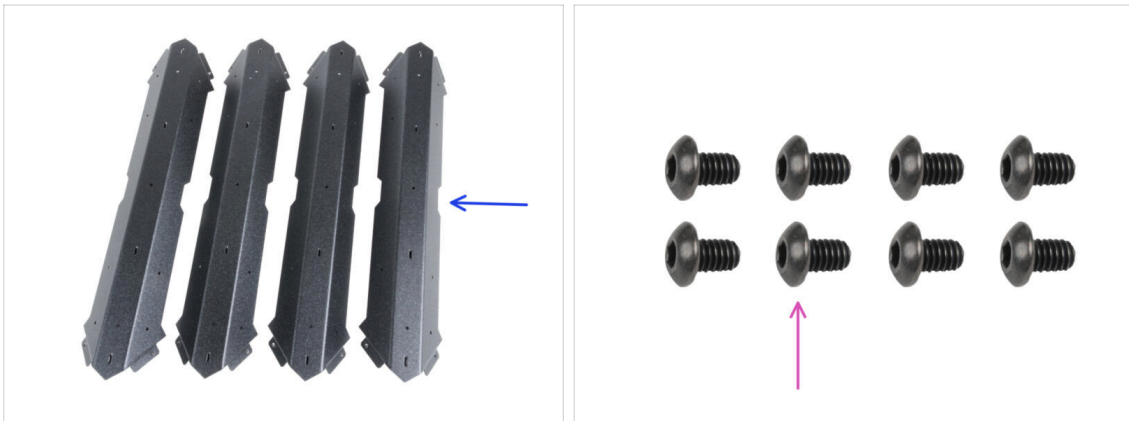
- Empuja el inserto del damper en el damper antideslizante. No importa el lado, el amortiguador antideslizante es simétrico.
- Turn the assembly on its feet and orient the MINI Bottom panel with the rectangular cutout facing to the front.
- ① Recuerda que este recorte marcará la parte frontal de la caja durante el montaje.
- Locate three threaded holes on the left side of the bottom panel. We will use them in the next step.

PASO 9 Montando los amortiguadores antideslizantes



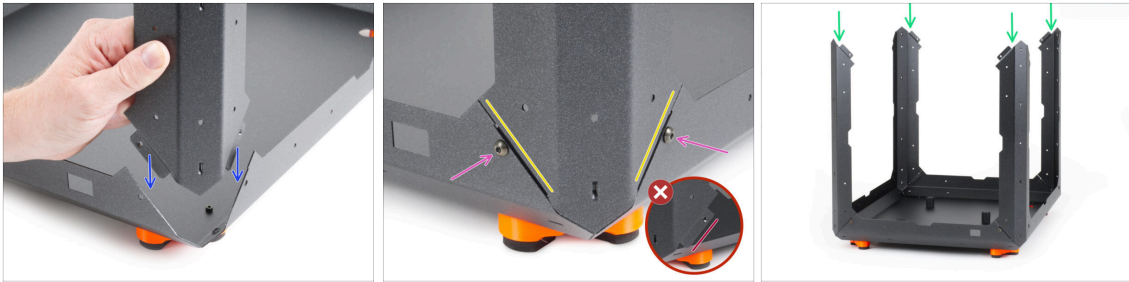
- Coloca el amortiguador antideslizante en el agujero roscado.
- Introduce el tornillo M3x20 en el amortiguador antideslizante y apriétalo.
- Procede de la misma manera con otros amortiguadores antideslizantes.

PASO 10 Profiles: parts preparation



- Para los siguientes pasos, por favor prepara:
- MINI Profile (4x)
 - M4x5r screw (8x)

PASO 11 Installing the profiles



- Attach the MINI Profile to one of the MINI Bottom panel corner.
- The bent perforations of the profile must fit into the inside of the base.
- Make sure the profile fits perfectly into the base.
- ⚠ **No perforations in the profile may protrude outwards.**
- Join both parts together with two M4x5r screws. Tighten gently but firmly.
- Use the same procedure for all profiles.

PASO 12 Top panel: parts preparation



- Para los siguientes pasos, por favor prepara:
- ⚠ **Handle metal sheet very carefully! The metal sheet have sharp edges.**
- MINI Top panel (1x)
- MINI Top window panel (1x)
- Nylon rivet (6x)
- M4x5r screw (8x)

PASO 13 Fire Suppression System (add-on): parts preparation



i NOTE: The following instructions are only for those who have purchased this optional add-on with the MINI Enclosure. If you have not purchased this add-on, please proceed to step **Installing the top panel**.

● Para los siguientes pasos, por favor prepara:

● Tubo del Sistema de Extinción de Incendios (1x) *tipo: Sistema T033E BlazeCut T Series Fire Suppression 1 con un manómetro*

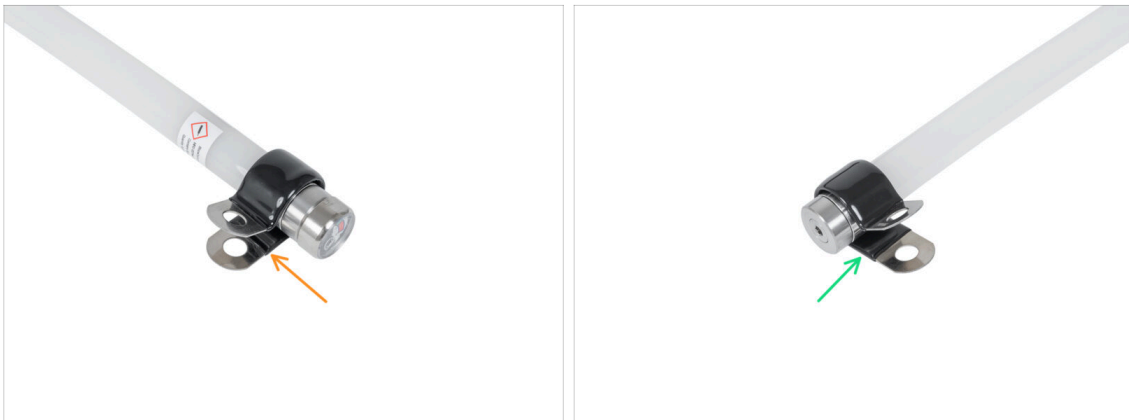
! Manipula el tubo con cuidado para evitar daños.

● Fire suppression brackets (2x)

● Thumb nut M3 (2x)

● M3x12 screw (2x)

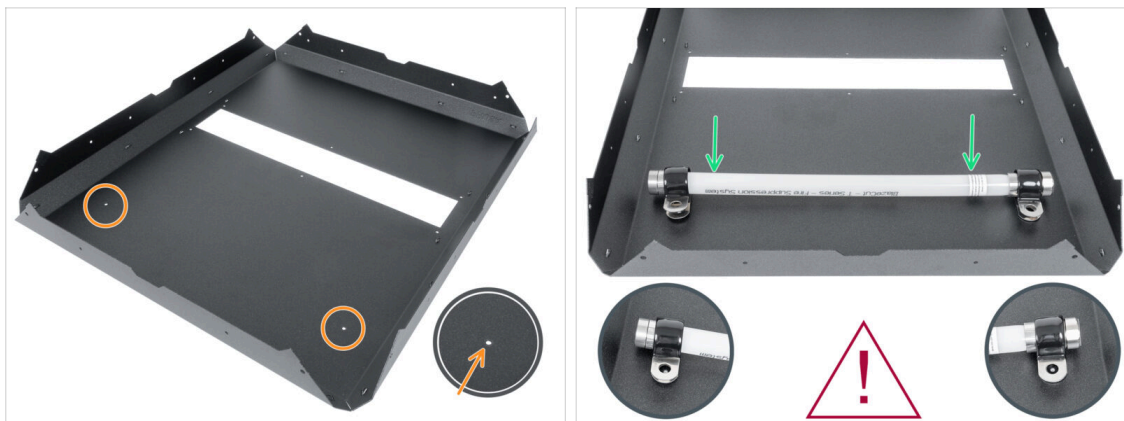
PASO 14 Preparing the Fire suppression system tube (add-on)



● Attach the fire suppression bracket to one end of the tube. **Pay attention to the direction.**

● Attach the fire suppression bracket to the second end of the tube. **Make sure it is in the same direction as the first one.**

PASO 15 Attaching the Fire suppression system tube (add-on)



🟡 Locate two holes in the MINI Top panel.

⚠️ **Handle the tube carefully to avoid damage.**

🟢 Attach the prepared Fire suppression and align the bracket with the holes in the MINI Top panel. **Mind the orientation of the Fire suppression in the picture.**

PASO 16 Securing the Fire suppression system tube (add-on): right side



⬛ From the outside of the MINI Top panel:

🟡 Insert the M3x12 screw through the hole.

⬛ From the inside:

🟢 Secure the screw with the M3 thumb nut.

PASO 17 Securing the Fire suppression system tube (add-on): left side



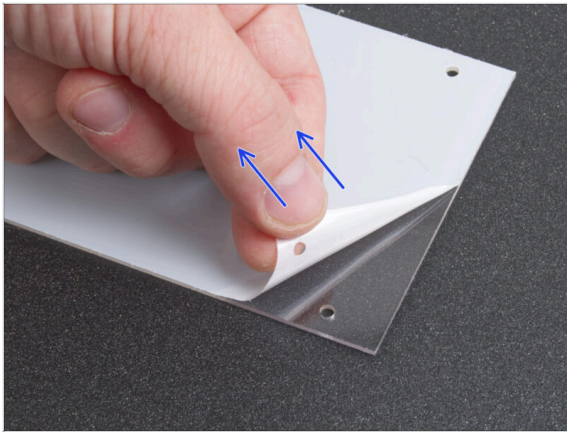
- On the other side:
- From the outside of the MINI Top panel:
- Insert the M3x12 screw through the hole.
- From the inside:
- Secure the screw with the M3 thumb nut.
- Well done! The Fire suppression add-on is installed.

PASO 18 Instalando el panel superior



- Carefully place the MINI Top panel on the profiles, ensuring it is supported by all profiles.
- ⚠ **Ensure the correct orientation! The PRUSA logo and the rectangular cutout must face the same direction.**
- Check each support to ensure that the MINI Top panel is properly bearing down on it.
- Secure each profile with the MINI Top panel using two M4x5r screws.

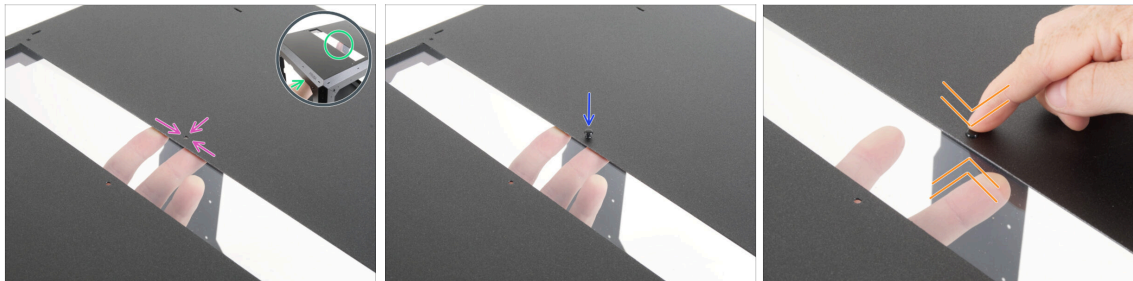
PASO 19 Preparing the top window panel



- Carefully peel off the protective layers from both sides of the MINI Top window panel.

⚠ **Be careful; the panel is very susceptible to scratches.**

PASO 20 Mounting the top window panel



In this step, you will learn how to secure the panels with the nylon rivets. Remember this method, as you will use it throughout the assembly.

- From the inside, carefully place the MINI Top window panel over the rectangular opening in the MINI Top panel.
- Align the holes of both parts.
- Insert the nylon rivet through the holes of both parts.
- Push on the nylon rivet to secure the window panel in the frame. When pressing on the nylon rivet, apply light pressure on the opposite side, specifically on the MINI Top window panel around the rivet.
- Repeat this procedure for the remaining holes in the opening.

PASO 21 MINI Back panel: parts preparation



● Para los siguientes pasos, por favor prepara:

● MINI Back panel (1x) *with the octagonal cutout*

● Nylon rivet (8x)

❗ If you are going to install the **Advanced filtration system** optional add-on, you will only need 6pcs.

PASO 22 Installing the back panel



● Turn the Enclosure sideways so that the rear side (without the PRUSA logo) is facing you.

● Peel off the protective layers from both sides of the MINI Back panel.

⚠ **Be careful; the panel is very susceptible to scratches.**

● From the inside, carefully place the MINI Back panel to the rear Enclosure "frame".

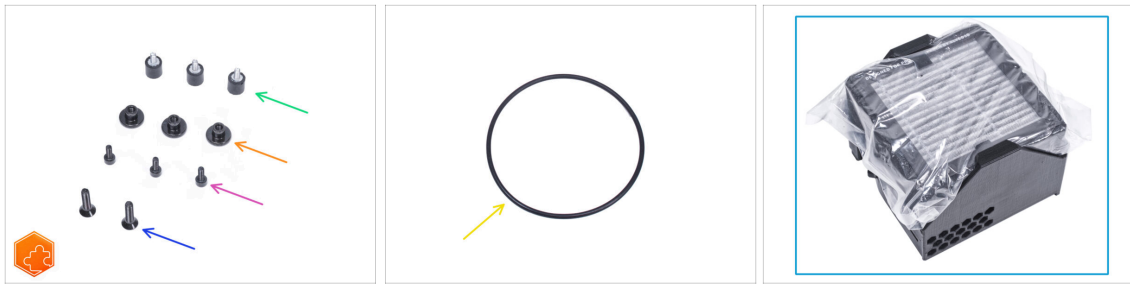
⚠ **Mind the correct orientation of the panel. The octagonal cutout must be at the bottom.**

● Align the holes of the panel and the Enclosure "frame" and secure it with one nylon rivet near the top right corner. When pressing on the nylon rivet, apply light pressure on the opposite side, specifically on the MINI Back panel around the rivet.

● In this way, secure the panel around the entire perimeter.

● **If you are going to install the Advanced filtration system** optional add-on, leave the marked holes empty.

PASO 23 Advanced filtration system (add-on): parts preparation



NOTE: The following instructions are only for those who have purchased this optional add-on with the MINI Enclosure. If you have not purchased this add-on, please proceed to step [Side panels: parts preparation](#)



For the following steps, please prepare:

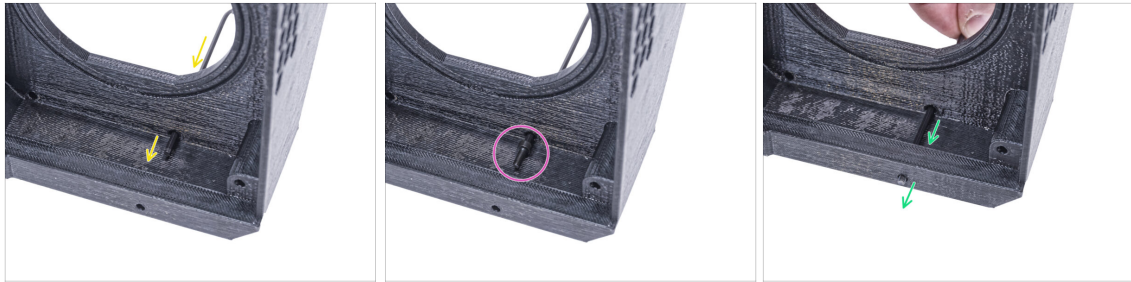
- Damper (3x)
- Thumb nut M3 (3x)
- M3x8 screw (3x)
- Tornillo avellanado M4x16b (2x)
- Blower o-ring (1x)
- Filtration pack (1x)

PASO 24 Assembling the filtration: parts preparation (add-on)



- Extrae el filtro del paquete de filtración y **divide el paquete en estas partes individuales:**
- Ventilador Alta Presión (1x)
- HEPA filter (1x)
- Filter-Bracket (1x)

PASO 25 Assembling the filtration (add-on)



- Coloca el Filter-Bracket como en la imagen y empuja la llave Allen a través del agujero como puede ver.
- Coloca el tornillo M3x8 en la punta de la llave Allen.
- Con la llave Allen, introduce el tornillo hasta el final en el orificio frontal del soporte. El tornillo debe sobresalir parcialmente.

PASO 26 Assembling the filtration (add-on)



- Tighten the damper on the screw.
- Repite el mismo procedimiento para instalar el segundo amortiguador.

PASO 27 Assembling the filtration (add-on)



- ✦ Using the Allen key, push the M3x8 screw through the protrusion on the other side of the Filter-Bracket.
- ⚠ Leave the marked hole empty.
- ✦ Tighten the damper on the screw.

PASO 28 Installing the blower (add-on)



- ✦ Coloca la junta tórica del Ventilador en el Filter-Bracket.
- ✦ Inserte el Ventilador de Alta Presión en el Filter-Bracket que el soplador del ventilador esté orientado hacia los agujeros hexagonales de la pieza impresa.
- ✦ Une ambas partes con dos tornillos avellanados M4x16b.

PASO 29 Inserting the HEPA filter (add-on)



- Abre la bolsa del filtro y retira el filtro HEPA.

⚠ Manipula el filtro con precaución. Si la superficie HEPA (la superficie plisada blanca) está dañada, el filtro perderá su eficacia. Protégete las manos cuando retires el filtro usado y mételo en una bolsa de plástico. Un filtro saturado no es reciclable.

PASO 30 Inserting the HEPA filter (add-on)



- Orienta el conjunto de filtración según la imagen. Asegúrate de que los dos soportes están orientados hacia ti y que el cable apunta hacia la izquierda.

⚠ Asegúrate de que el filtro HEPA ya está extraído de la bolsa.

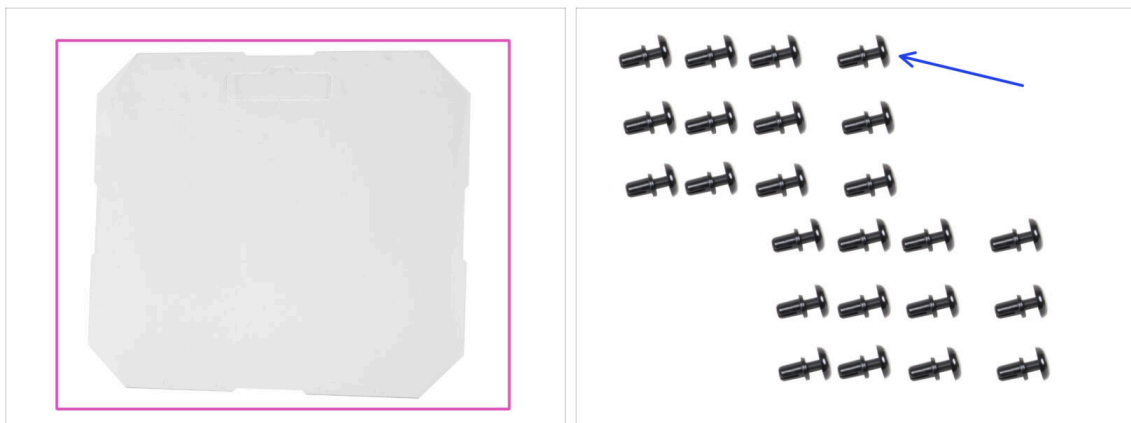
- Desde la izquierda, empuja el filtro HEPA hasta el final en el Filter-Bracket. Ten en cuenta la orientación del filtro.

PASO 31 Installing the filtration (add-on)



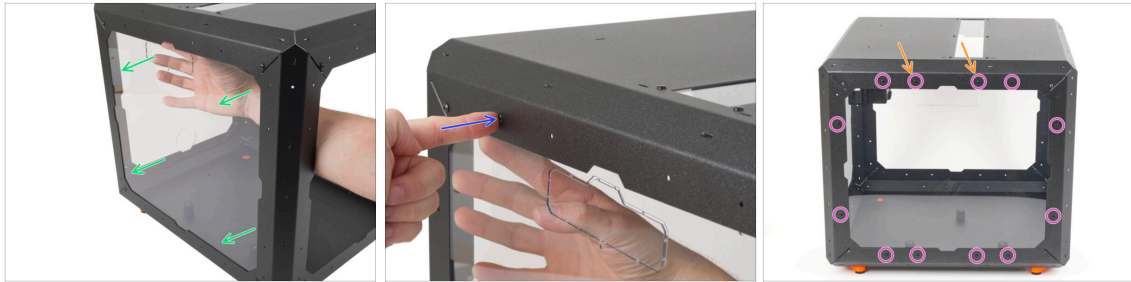
- From the inside, attach the filtration to the rear side of the Enclosure "frame" so that all three screws go through the holes.
- Secure all three damper screws by tightening three thumb nuts.
- Leave the filtration fan cable free for now. We will plug it later on.

PASO 32 Side panels: parts preparation



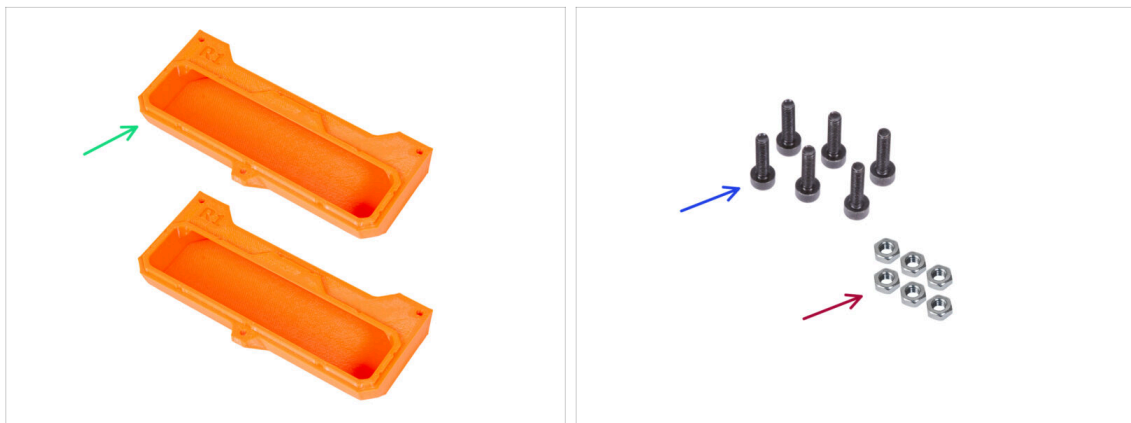
- **Para los siguientes pasos, por favor prepara:**
- MINI Side panel (2x)
- Nylon rivet (24x)

PASO 33 Installing the side panel



- Peel off the protective layers from both sides of the MINI Side panel.
- ⚠ **Be careful; the panel is very susceptible to scratches.**
- From the inside, carefully place the MINI Side panel to the left side of the Enclosure.
- Align the holes of the panel and the Enclosure and secure it with one nylon rivet near the top right corner.
- In this way, secure the panel around the entire perimeter.
- **If you are going to install the optional Transport handles, leave the marked holes empty.**

PASO 34 Asa de transporte (opcional): preparación de las piezas

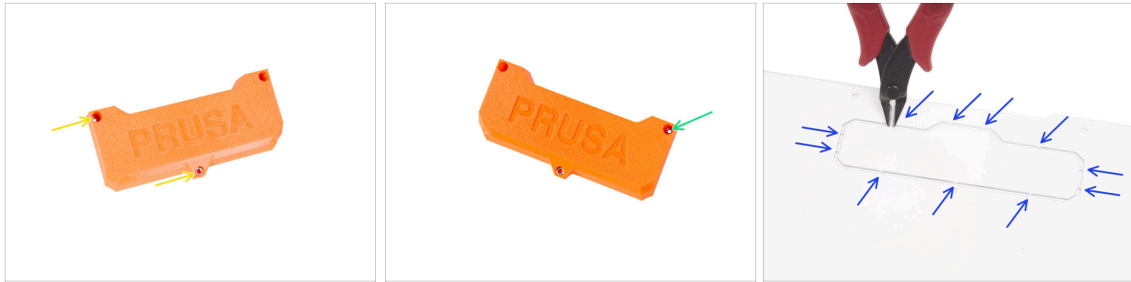


📌 Some of the following steps are marked as optional. If you do not need to install the handles at this time, skip to **White LED strip (add-on): parts preparation**

● **Para los siguientes pasos, por favor prepara:**

- Transport-handle (2x) *esta parte no está incluida en el paquete, tendrás que imprimirla.*
- M3n nut (6x)
- M3x12 screw (6x)

PASO 35 Instalando el asa de transporte (opcional)



-  Insert two M3n nuts into each Transport-handle.
-  Insert the M3n nut from the other side into each Transport-handle.
-  Using side cutters, CAREFULLY cut off all supports of each handle cutout on both side panels and remove it.

PASO 36 Mounting the transport handle (optional)



-  Make sure that no nylon rivets are inserted in the two holes above the handle hole.
-  Desde el interior, coloca el asa de transporte en el recorte de la misma forma.
 -  If the insertion is difficult, try cleaning the spikes formed after cutting the cutout along the entire opening.
-  Fíjalo con tres tornillos M3x12.
-  Repite este procedimiento para el segundo asa de transporte.

PASO 37 White LED strip (add-on): parts preparation



NOTE: The following instructions are only for those who have purchased this optional add-on with the **MINI Enclosure**. If you have not purchased this add-on, please proceed to step [Door hinges: parts preparation](#)



NOTE: If you have installed the **Advanced filtration system** without the White LED Strip, proceed to step [Guiding the filtration cables: parts preparation \(add-on\)](#)



Para los siguientes pasos, por favor prepara:



LED Stick Board (1x)

WARNING: Make sure to protect the electronics against electrostatic discharge (ESD). Always unpack the electronics right before you need them!



LED diffuser (1x)



Soporte Barra LED (3x)

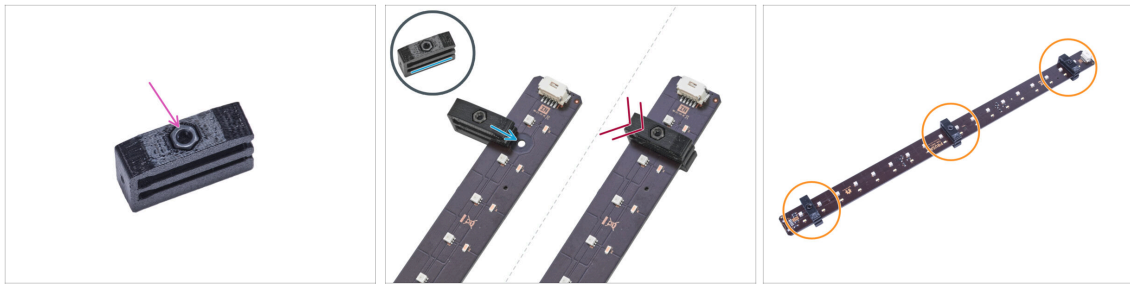


M3x18 screw (3x)



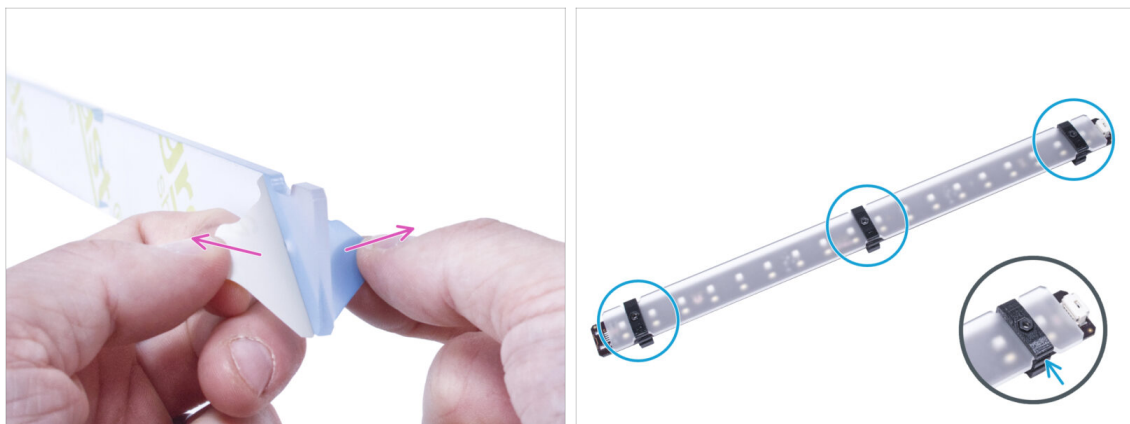
M3n nut (3x)

PASO 38 Assembling the LED strip (add-on)



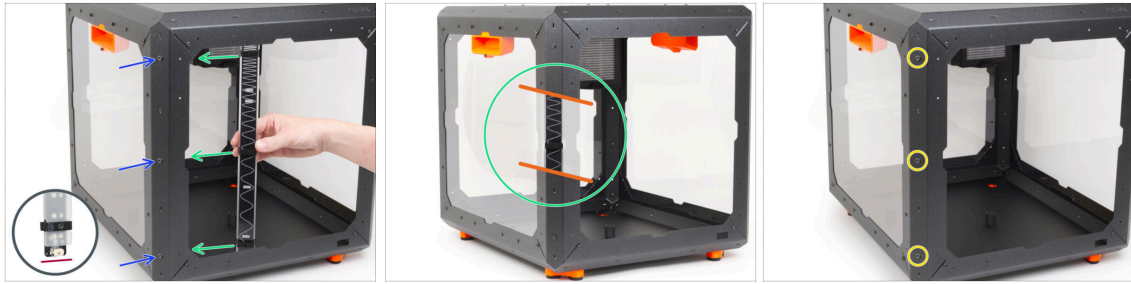
- ◆ Inserta la tuerca M3n en cada Soporte de la Tira LED.
 - ⚠ **La tuerca debe estar completamente incrustada en la pieza impresa y a ras de la superficie de la misma. Si la tuerca no ha sido incrustada lo suficiente, puede causar problemas en el montaje del cerramiento.**
- ◆ Desliza la ranura inferior del soporte de la tira LED en la placa de la tira LED y alinea el soporte contra el primer agujero de la placa de la tira LED más cercano al conector de la tira (blanco).
 - ⚠ **¡Evite deslizar el soporte sobre los chips y los diodos! Se pueden dañar fatalmente.**
- ◆ Empuja el soporte de la tira LED hasta el final en la placa de la tira LED.
- ◆ Realiza este procedimiento en los tres Soporte de Barra LED.

PASO 39 Assembling the LED strip (add-on)



- ◆ Retira las láminas de protección de ambos lados del difusor LED.
- ◆ Empuja el difusor del LED en los soportes de la barra del LED. Utiliza la ranura superior.
 - (i) La orientación del difusor LED no importa. La pieza es simétrica.

PASO 40 Mounting the LED strip (add-on)



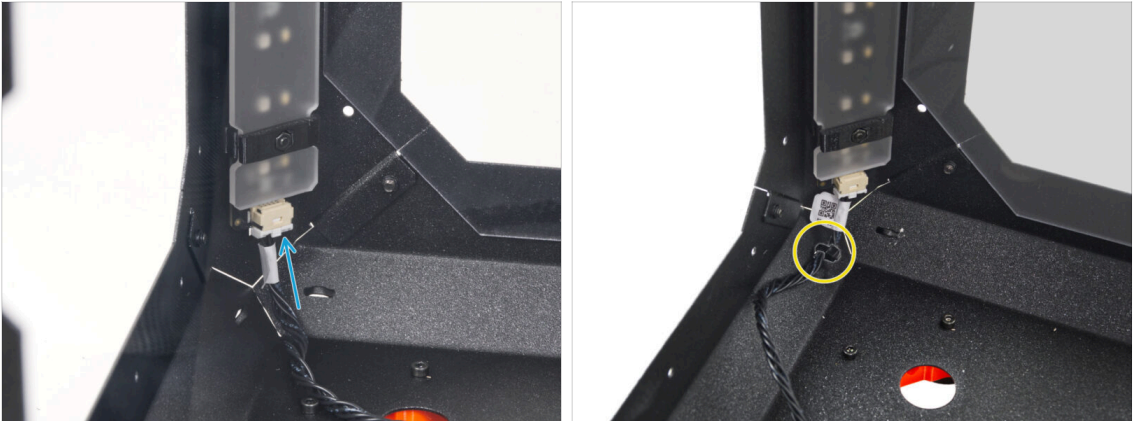
- Desde el exterior, introduce tres tornillos M3x18 a través de los agujeros desde la izquierda en el perfil de soporte izquierdo.
- From the inside of the enclosure, attach the LED strip assembly so that the LED stick brackets are aligned precisely with the screws. Attach the back side (the side without the diffuser).
- ⚠ **Make sure, the LED connector is facing down.**
- Once the LED strip is aligned, attach it by tightening all three inserted M3x18 screws. Tighten them firmly but gently.

PASO 41 LED cable: parts preparation (add-on)



- **Para los siguientes pasos, por favor prepara:**
- LED cable (1x)
- Zip tie (1x)

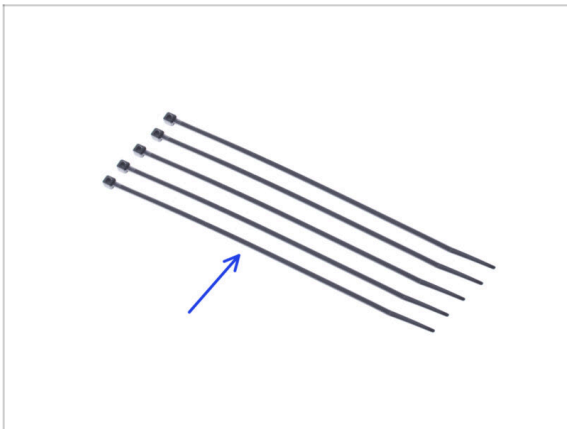
PASO 42 Guiding the LED cable (add-on)



- Conecta el cable de los LEDs al conector situado en la parte inferior de la tira de LEDs.
- Guide the zip tie through the perforation in the front left profile and secure the LED cable using the zip tie.

⚠ **¡No aprietes demasiado la abrazadera, puedes dañar los cables!**

PASO 43 Guiding the filtration cable: parts preparation (add-on)



The following steps are intended for the Advanced Filtration System only. If you don't have this add-on, skip to [Delta PSU: parts preparation \(add-on\)](#)

- **Para los siguientes pasos, por favor prepara:**
- Zip tie (5x)

PASO 44 Guiding the add-on cables: filtration cable (add-on)



If you have only the White LED Strip add-on, skip this step.

- Guide the zip tie through the perforation in the top panel near the filtration.
- Using this zip tie, secure the filtration cable. **Do not overtighten the zip tie**, as it may cause fatal damage to the cable.
- In the same way, secure the cable to the four perforations in the left rear profile. **Do not overtighten the zip ties**, as it may cause fatal damage to the cable.
- Leave the rest of the cable free for now.

PASO 45 Cable USB: preparación de las piezas



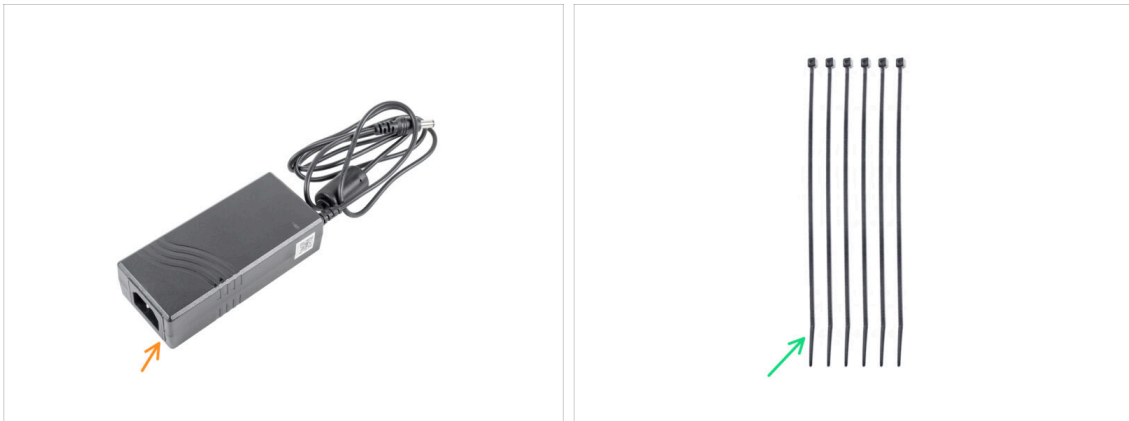
- Para los siguientes pasos, por favor prepara:
- USB extension cable (1x)
- Zip tie (2x)

PASO 46 Insertando el cable USB



- Push the USB cable from the outside in through the rectangular hole in the bottom panel.
- Ensure the USB symbol on the connector is facing upwards.
- Press the connector fully into the hole with your thumbs. You should feel a slight click.
- Guide the cable along the right side of the Enclosure.
- Secure it with two zip ties. **Do not overtighten the zip ties.**

PASO 47 PSU: parts preparation (add-on)



The following steps of guiding the add-ons cables apply to both the **White LED Strip** and **Advanced Filtration System** add-ons.



From October 2024 you may receive two different manufacturers of the PSU, the pictures may be different but **the assembly process is the same.**



Para los siguientes pasos, por favor prepara:

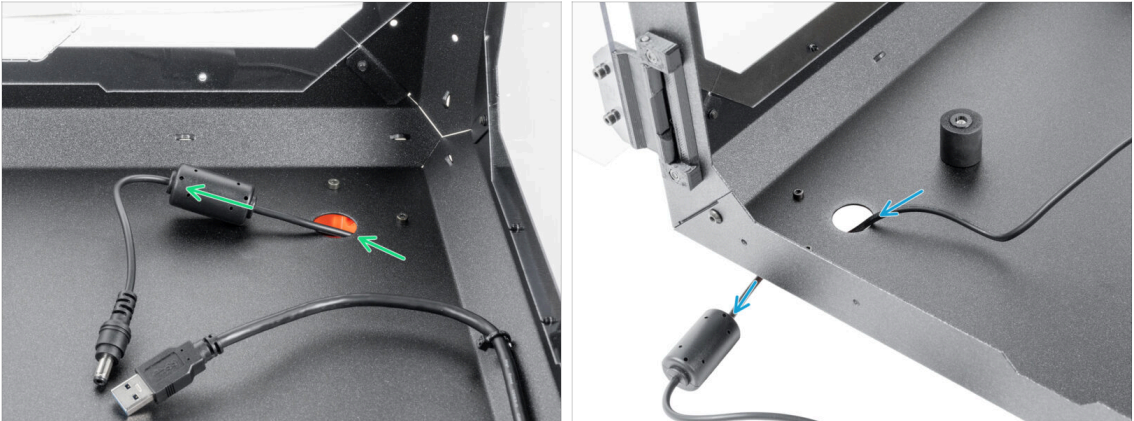


PSU (1x)



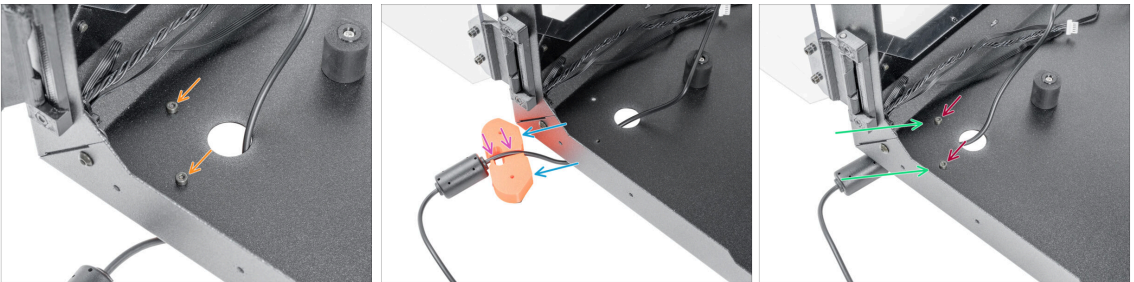
Zip tie (6x)

PASO 48 Guiding the PSU cable (add-on)



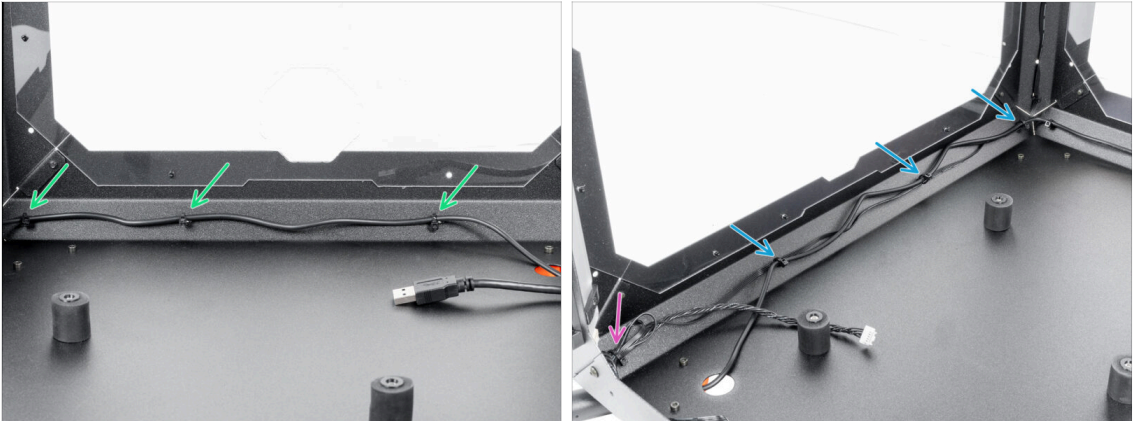
-  Exercise caution when handling anything inside the enclosure. There are sharp metal plates, so avoid injury.
-  Insert the PSU cable with the ferrite core through the circular hole at the rear of the Enclosure.
-  The ferrite core is smaller than the hole, slowly push it through the hole.
-  Guide the PSU cable with the connector through the front circle hole out of the Enclosure.

PASO 49 Releasing the front foot (add-on)



-  Release and remove both M3x12 screws.
-  Reposition the foot as shown. Push the PSU cable into the cable channel.
-  Push the PSU cable into the cable channel.
-  Close the foot back to its original position and align the holes.
-  Secure the foot by inserting back the M3x12 screws and tighten them firmly.

PASO 50 Securing the PSU cable (add-on)



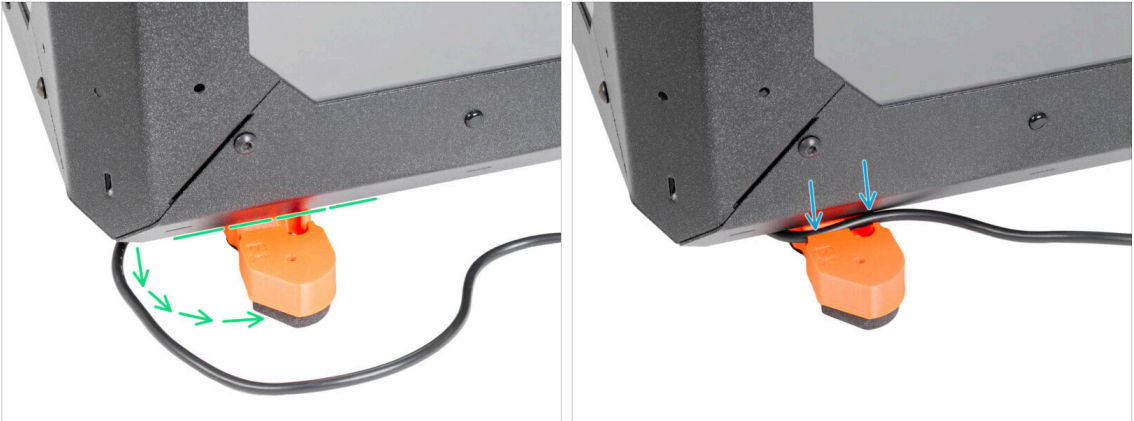
-  Exercise caution when handling anything inside the enclosure. There are sharp metal plates, so avoid injury.
-  Guide the cable along the rear side of the Enclosure and secure it using three zip ties through the perforations. **Do not overtighten the zip ties, you can damage the cable.**
 -  Guide the PSU cable along with the FAN cable on the left side of the Enclosure and secure it with the three zip-ties. **Do not overtighten the zip ties, you can damage the cables.**
 -  If you have installed the Advanced Filtration System, guide the filtration cable together with the PSU cable. Secure it with one extra zip tie in the left corner. **Do not overtighten the zip tie, you can damage the cables.**

PASO 51 Printer PSU preparing



-  Push the printer PSU cable through the circle hole in the rear of the Enclosure.
-  Slightly loosen the left screw behind the circle hole.
-  Release and remove the right screw.

PASO 52 Inserting the printer PSU cable



- Reposition the foot as shown in the picture. The cable channel must be accessible.
- Push the PSU cable into the cable channel.
- ① Tip: You can use the 2.5 mm Allen key to make it easier to squeeze the cable into the channel. But gently!

PASO 53 Securing the printer PSU cable



- Close the foot back to its original position and align the holes in the foot and Enclosure.
- ① Tip: You can inspect the position through the Top window panel.
- After aligning the hole, secure the foot by inserting back the M3x12 screw.
- Fully tighten the left screw.

PASO 54 Basic Board: parts preparation (add-on)



The following steps apply to both the **White LED Strip** and **Advanced Filtration System** add-ons.

● **Para los siguientes pasos, por favor prepara:**

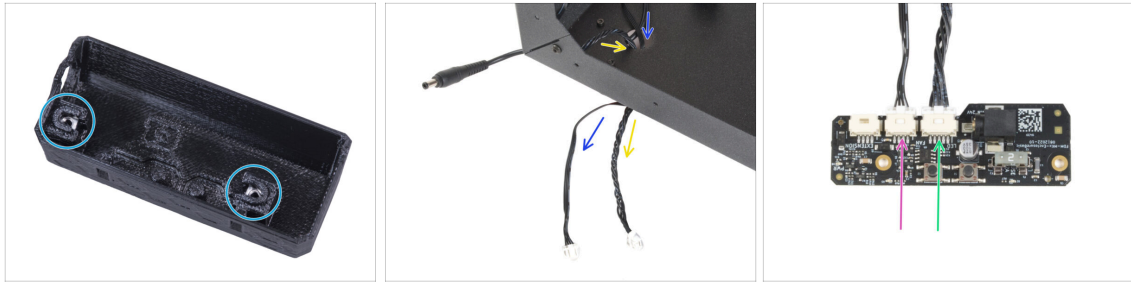
- Cubierta Placa Básica (1x)
- Basic board (1x)
- M3x12 screw (2x)
- Arandela de seguridad dentada M3w (2x)
- M3nS nut (2x)

PASO 55 Installing the Basic Board (add-on)



- Monta la tuerca M3nS en el tornillo M3x12. Fijala en unas roscas en la punta del tornillo.
- Empuja el tornillo con la tuerca hasta el final en el agujero de la misma forma dentro de la Cubierta de la Placa Básica.
- Retira el tornillo de la tuerca.

PASO 56 Installing the Basic Board (add-on)



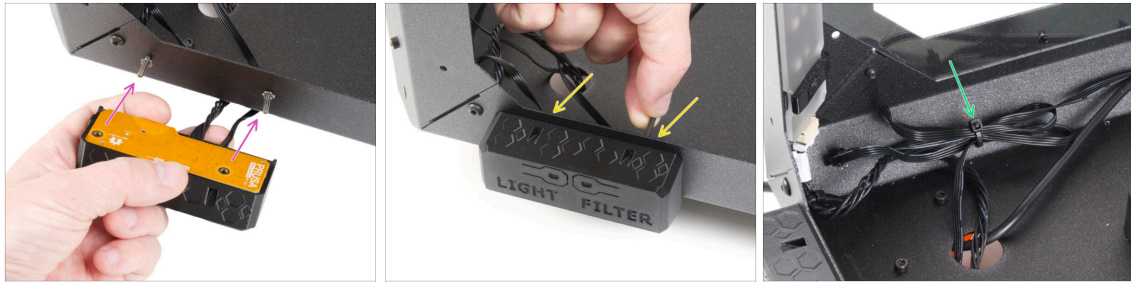
- Usa el mismo procedimiento para ambos huecos de la Cubierta de la Placa Básica.
- Guide the LED cable through the hole in the bottom panel out of the Enclosure.
- Guide the filtration cable through the hole in the bottom panel out of the Enclosure.
- Connect the filtration cable to the Basic Board slot labeled FAN.
- Connect the LED cable to the Basic Board slot labeled LED.

PASO 57 Assembling the Basic Board (add-on)



- From the inside the Enclosure, insert two M3x12 screw through the front profile.
- Coloca dos arandelas dentadas M3w en los tornillos.
- Place the Basic Board into the Basic Board Cover and align the holes on both parts.

PASO 58 Mounting the Basic Board (add-on)



- Take the Basic Board assembly and align the holes with the screws in the profile.
- Attach the Basic Board assembly to the screws and tighten the screws from the inside.
- It is recommended to make a loop with the excess cable and secure it with a zip tie. This way, the cable will not get in the way.

PASO 59 Connecting the Basic Board (add-on)



- Connect the external PSU cable to the basic board from the left side.

PASO 60 PSU holder clarification (optional)



These steps are only for LED strip and Advanced filtration system owners only. The smaller PSU space is for those with additional PSU. Otherwise, skip to **Door hinges: parts preparation**



PSU holder is not included in the package, you will need to print it out from [Printables.com](https://www.printables.com)



Before starting printing, check what type of PSU you have!



XP PSU: This PSU is larger than the Delta PSU. You will need the:

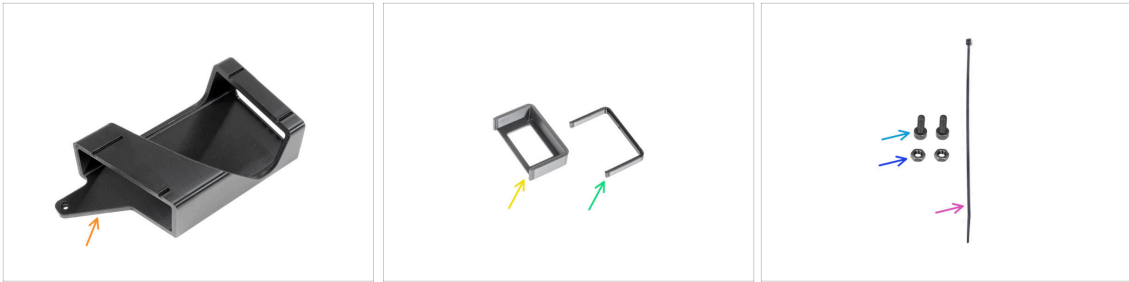
- **Current-PSU-holder-XP.stl**
- **Add-on PSU-holder-A-XP.stl**
- **Add-on PSU-holder-B-XP.stl**



Delta PSU: This PSU is smaller than the XP PSU. You will need the:

- **Current-PSU-holder.stl**
- **Add-on PSU-holder-A.stl.**
- **Add-on PSU-holder-B.stl**

PASO 61 PSU holder: parts preparation (optional)



These steps are only for LED strip and Advanced filtration system owners only. The smaller PSU space is for those with additional Delta PSU. Otherwise, skip to **Door hinges: parts preparation**



Para los siguientes pasos, por favor prepara:



PSU-holder (1x) *this part is not included in the package, you will need to print it out from [Printables.com](https://www.printables.com)*



Add-on PSU-holder-A (1x) *this part is not included in the package, you will need to print it out from [Printables.com](https://www.printables.com)*



Add-on PSU-holder-B (1x) *this part is not included in the package, you will need to print it out from [Printables.com](https://www.printables.com)*



M3x8 screw (2x)

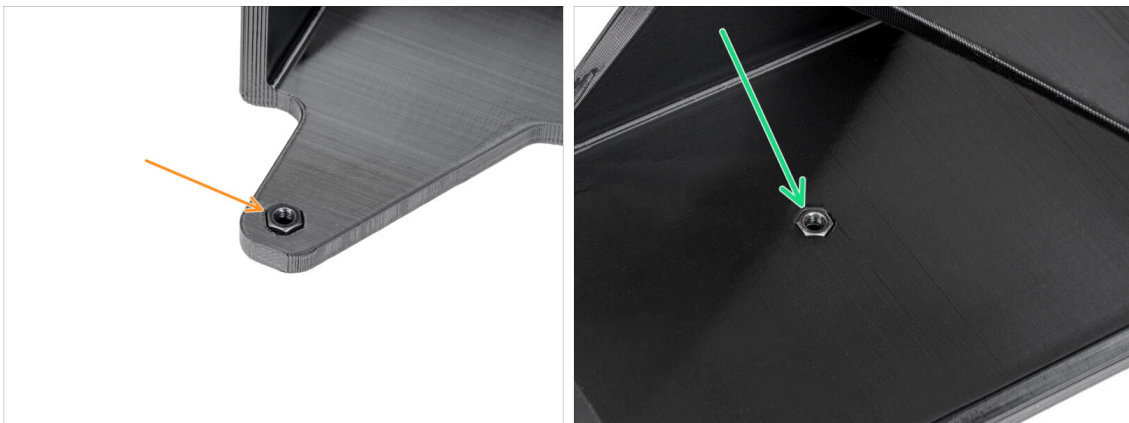


M3n nut (2x)



Zip-tie (1x)

PASO 62 PSU holder nut preparation (optional)



Insert the M3n nut into the PSU-holder.



Insert the M3n nut into the PSU-holder.

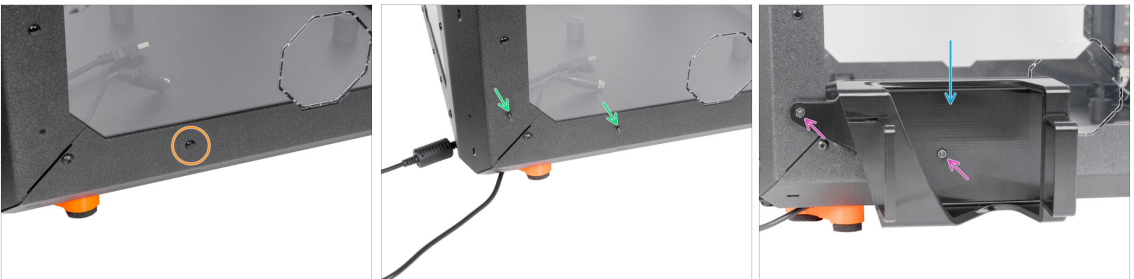
PASO 63 PSU holder preparation (optional)



❗ These steps are only for LED strip and Advanced filtration system owners only. The smaller PSU space is for those with additional Delta PSU.

- ➡ Attach the Add-on PSU-holder-A to the rails on the PSU-holder.
- ➡ Attach the Add-on PSU-holder-B to the rails on the PSU-holder.

PASO 64 Attaching the PSU holder (optional)



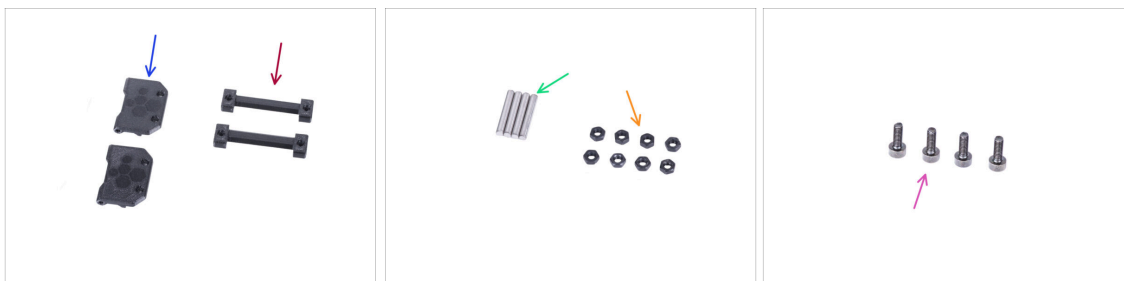
- ➡ Remove the nylon rivet on the left bottom corner.
- ❗ Hint: use a pliers from inside the enclosure to push the nylon rivet out
- ➡ From the inside of the enclosure, insert two M3x8 screws through the cut-outs.
- ➡ Attach the PSU-holder on the screws.
- ➡ Secure the screws from the inside.

PASO 65 Securing the PSUs (optional)



-  Insert the printer PSU into the PSU-holder.
-  Insert the add-on PSU into the PSU-holder.
-  Secure the cables together with a zip-tie.

PASO 66 Bisagras de la puerta: preparación de las piezas



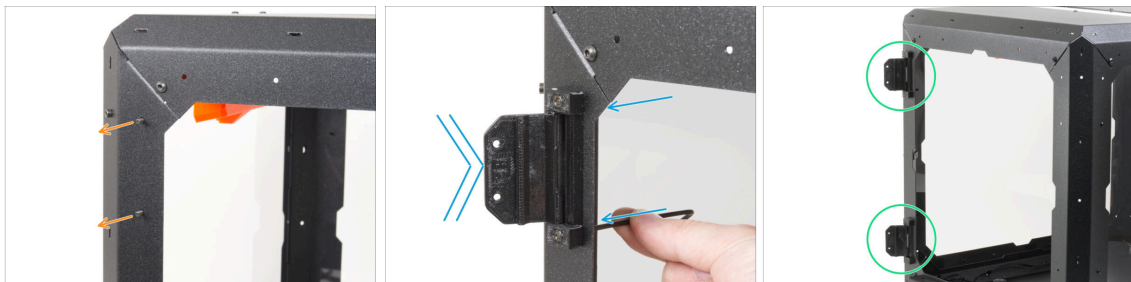
-  **Para los siguientes pasos, por favor prepara:**
-  Door-hinge (2x)
-  Enclosure hinge (2x)
-  Pin 3x20 (4x)
-  M3n nut (8x)
-  M3x8 screw (4x)

PASO 67 Assembling the hinges



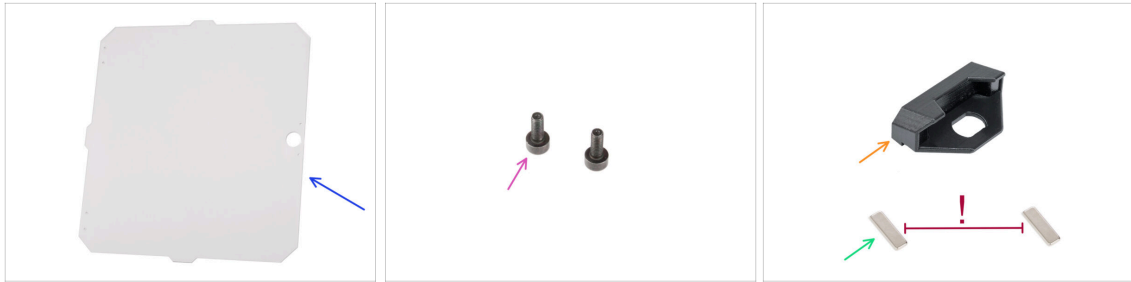
- Coloca la bisagra del cerramiento en la bisagra de la puerta. Mira la orientación correcta de ambas piezas.
- ⚠ **Fíjate bien en la orientación de ambas piezas. Su desmontaje inverso es imposible.**
- Introduce el pin por ambos lados de la bisagra.
- Empuja dos clavijas hasta el fondo de la bisagra contra una superficie dura (por ejemplo, una mesa de taller). El extremo del pasador debe estar alineado con la superficie de la pieza impresa.
- Insert four M3n nuts into the hinge assembly.
- Repeat the same for the second hinge.

PASO 68 Mounting the hinges



- ① In the following instructions, we will install the hinges on the left side. However, it is optional which side you install the hinges on. The procedure is identical and does not affect the later installation of the door.
- Gira el cerramiento de modo que la parte frontal quede frente a ti.
- Locate two holes on the top of the left support. **From the inside**, insert two M3x8 screws.
- Attach the hinge on the screws and tighten the screws. **Mind the correct orientation of the hinge.**
- Use the same procedure to mount the upper door-hinge.

PASO 69 Mechanical lock (add-on): parts preparation



- If you do not need to install the Lock at this time, skip to **Door assembly: parts preparation**
- **Para los siguientes pasos, por favor prepara:**
 - MINI Door panel (1x)
 - M3x8 screw (2x)
 - MINI Enclosure Door Handle (1x)
 - Magnet 20x6x2 (2x)
- ⚠ **Keep the magnets apart in a sufficient distance. They can break each other!**

PASO 70 Assembling the lock insert (add-on): parts preparation



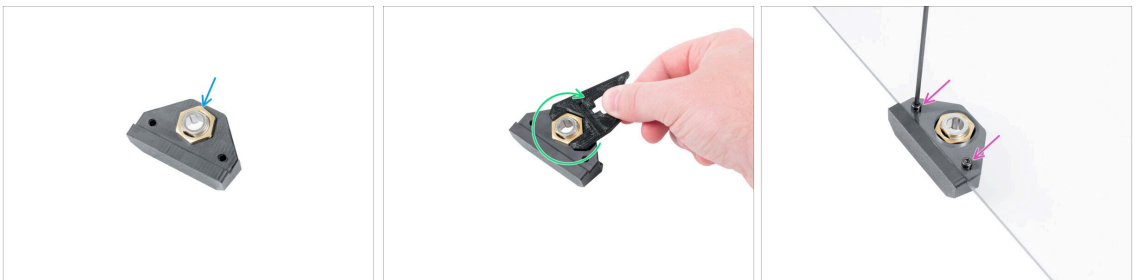
- **Para los siguientes pasos, por favor prepara:**
 - Tuerca de la carcasa de la cerradura (1x)
 - Lock housing (1x)
 - Lock wrench (1x)

PASO 71 Assembling the lock housing (add-on)



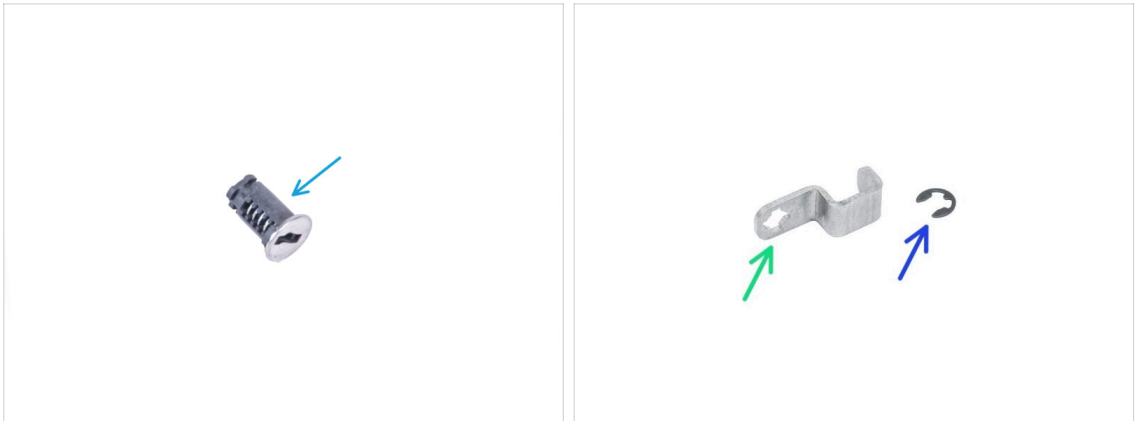
- Insert two magnets all the way into two pockets in the door handle.
 - ⓘ The polarity of the magnets doesn't matter.
- Turn the door handle.
- Insert the lock housing into the same shape opening in the door handle.

PASO 72 Securing the lock housing (add-on)



- From the opposite side:
 - Insert the nut onto the lock housing.
 - Asegura el alojamiento de la cerradura apretando la tuerca del alojamiento de la cerradura. Utiliza la llave para facilitar el apriete.
 - Attach the door handle on the door panel and secure it with two M3x8 screws.

PASO 73 Assembling the lock mechanism (add-on): parts preparation



■ Para los siguientes pasos, por favor prepara:

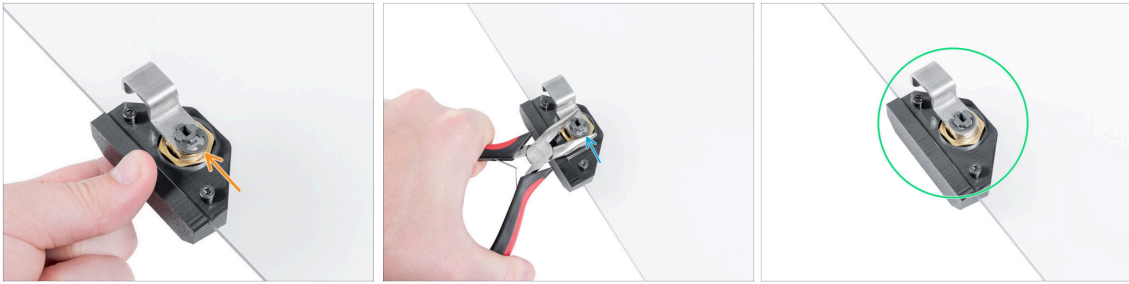
- Lock (1x)
- Palanca de la cerradura (1x)
- E-clip washer (1x)

PASO 74 Assembling the lock mechanism (add-on)



- Insert the Lock into the lock mount.
- Hold the Lock in the Lock mount with your hand and turn the door panel.
- Attach the Mechanical Lock Lever to the Lock.

PASO 75 Securing the lock mechanism (add-on)



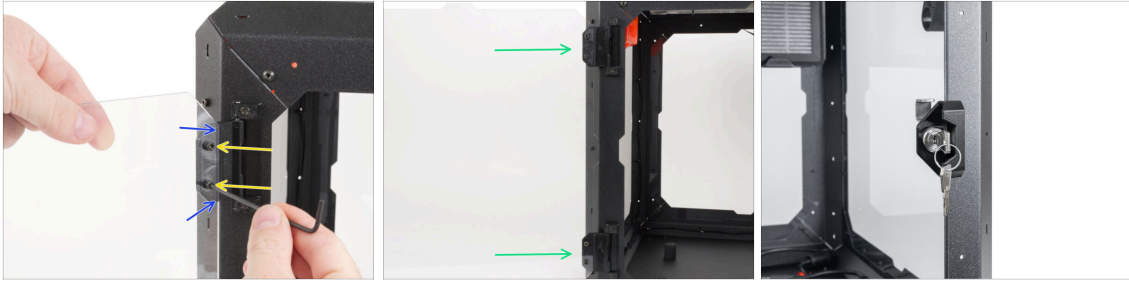
- 🟠 Place E-clip washer on the Mechanical Lock Lever against the lock.
- 🟢 Attach the Lock wrench on the lock and the washer. Using Needle-nose pliers, push the E-clip washer on the lock to secure the lock mechanism.
- 🟢 The Mechanical Lock is ready. Compare the picture with your Mechanical Lock.

PASO 76 Installing the door panel (add-on): parts preparation



- ⬛ **Para los siguientes pasos, por favor prepara:**
- 🟠 M3x8 screw (4x)

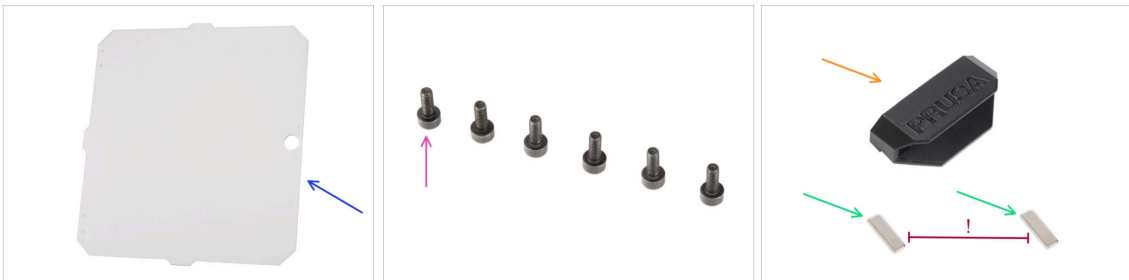
PASO 77 Installing the door panel (add-on)



⚠ Do not overtighten the screws in the door panel! The panel could crack.

- 🔵 Take the door panel assembly and place it on the open hinges on the left side of the enclosure.
- 🟡 Secure the door assembly by tightening two M3x8 screws to the top hinge.
 - 📌 **i** Observa el detalle para ilustrar mejor cómo se fija el panel de la puerta a la bisagra.
- 🟢 Repeat the same for the bottom hinge.
- ⬛ Well done!

PASO 78 Door assembly: parts preparation

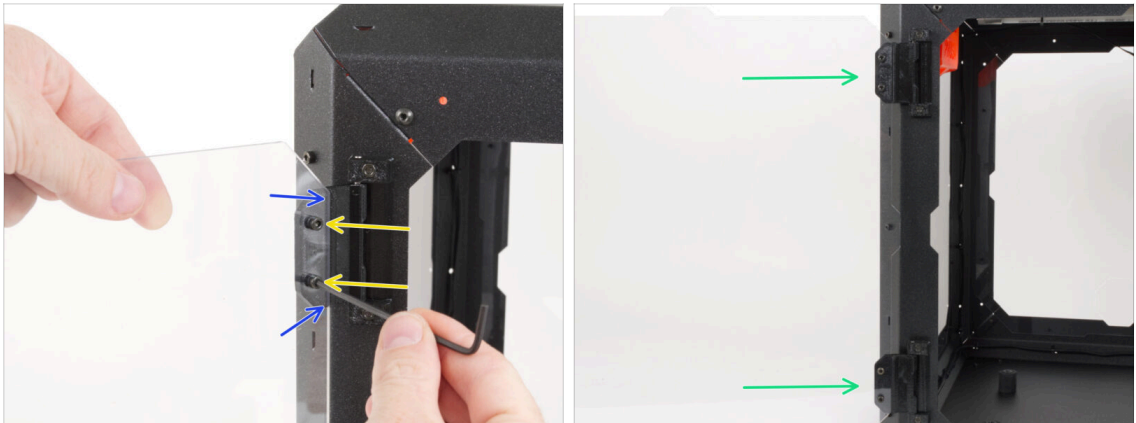


⬛ **Para los siguientes pasos, por favor prepara:**

- 🔵 MINI Door panel (1x)
- 🟡 M3x8 screw (6x)
- 🟠 MINI Enclosure Door Handle (1x)
- 🟢 Magnet 20x6x2 (2x)

⚠ Keep the magnets apart in a sufficient distance. They can break each other!

PASO 79 Installing the door panel



 **Do not overtighten the screws in the door panel! The panel could crack.**

-  Take the door panel assembly and place it on the open hinges on the left side of the enclosure.
-  Secure the door assembly by tightening two M3x8 screws to the top hinge.
 -  **i** Observa el detalle para ilustrar mejor cómo se fija el panel de la puerta a la bisagra.
-  Repeat the same for the bottom hinge.

PASO 80 Montando el asa de la puerta



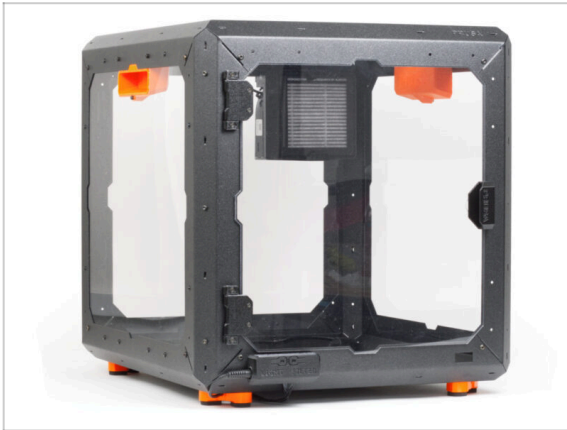
-  Insert two magnets all the way into two pockets in the door handle.
 -  **i** The polarity of the magnets doesn't matter.
-  Attach the door handle on the door panel **from the outside**.
-  Secure it with two M3x8 screws
 -  **Do not overtighten the screws in the door panel! The panel could crack.**
-  Close the door to ensure the handle is mounted correctly.

PASO 81 Haribo time!



- ◆ That was easy, wasn't it? Reward yourself and replenish your energy for the next chapter.
- ◆ Eat the second row of the gummy bears. Leave the others!

PASO 82 Good job!

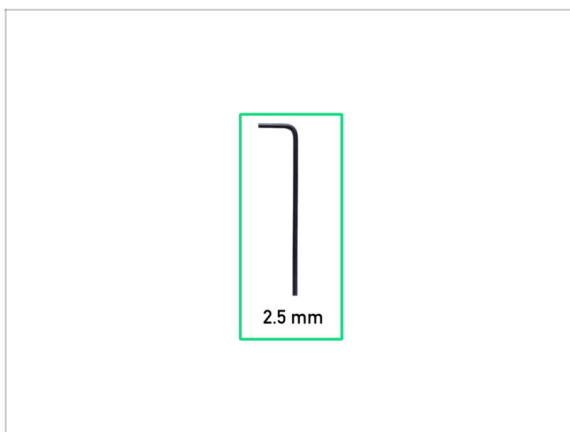


- ◆ Perfect! You just successfully assembled the Original Prusa MINI Enclosure.
- ◆ Now it's time to put the printer inside. Let's move to chapter 3. **Installing the printer.**

3. Installing the printer



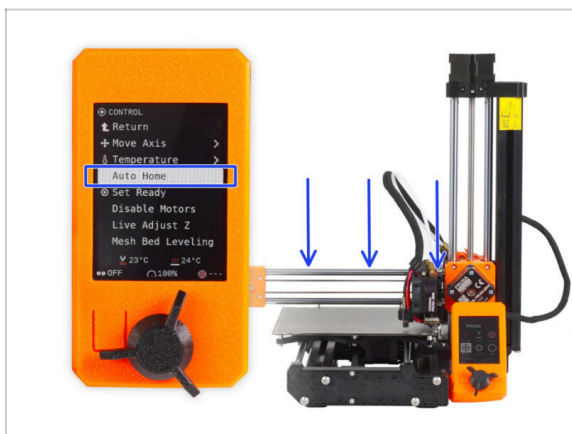
PASO 1 Herramientas necesarias para este capítulo



● Para este capítulo, prepara por favor:

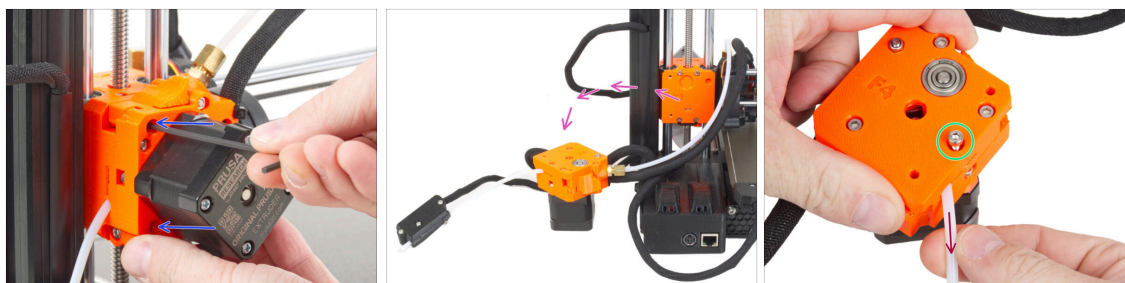
● 2.5mm Allen key

PASO 2 Configurando la impresora



- Conecta la impresora y enciéndela.
- Completely unload the filament from the printer.
- To make handling the printer easier, lower the Z-axis to its lowest possible point.
 - Firmware 4.4.0 o superior: usando el dial del LCD navega a *Control* -> *Auto Home*.
 - Hasta el firmware 4.3.4: usando el dial del LCD navega a *Calibración* -> *Auto Home*.
- ❗ **Where can you find the firmware version?** On the printer screen, navigate from the main screen to *Info* -> *Version info*.
- ⚠ **Asegúrate de que la impresora se ha enfriado a temperatura ambiente..**
Comprueba la temperatura en la pantalla de la impresora.
- Apaga la impresora y desconéctala de la toma de corriente.

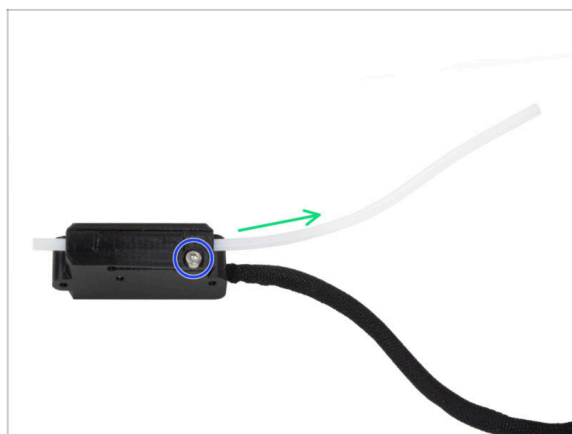
PASO 3 Removing the input PTFE tube (optional)



 The following steps will show how to replace the original input PTFE tube with a longer tube. Replacing the input PTFE tube for a longer one is optional, but recommended for easier filament insertion. If you don't want to replace the PTFE, skip to [USB cable: parts preparation](#).

-  Hold the extruder with one hand.
 -  Using your second hand, release two screws securing the extruder to the Z-carriage.
 -  Carefully take the extruder off the printer and place it next to it.
 -  Loosen the screw on the plastic part of the extruder. The screw does not need to be removed, just a few turns are sufficient.
 -  Pull out the input PTFE tube from the extruder.
-  Si resulta difícil extraerlo, utiliza unos alicates para tirar de él.

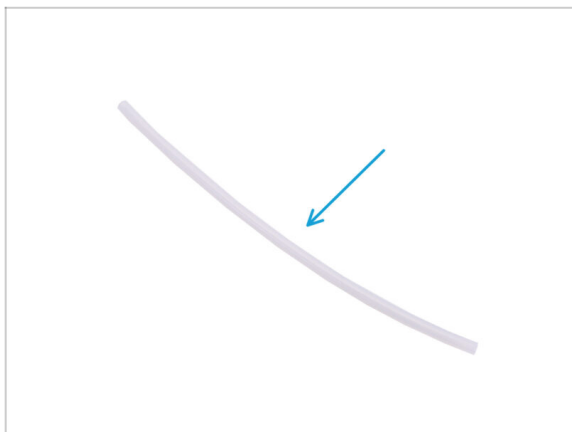
PASO 4 Retirando el sensor de filamento (opcional)



 **This step is intended for printers with the filament sensor.** If your printer does not have the filament sensor, skip this step.

-  Slightly loosen the top screw on the filament sensor.
 -  Pull out the longer PTFE tube.
-  Si resulta difícil extraerlo, utiliza unos alicates para tirar de él.

PASO 5 Input PTFE tube: parts preparation (optional)



● Para los siguientes pasos, por favor prepara:

● PTFE tube 4x2.5x360 mm (1x)

PASO 6 Insertar el tubo de PTFE



● Se recomienda marcar la distancia de 2,5 cm (0,98 pulgadas) desde el extremo del tubo de PTFE antes de la inserción en la extrusora. Ambos extremos son simétricos.

● Localiza el orificio para el tubo de PTFE en el costado del ensamblaje del extrusor e inserta el extremo marcado del tubo hasta el final del extrusor. Comprueba la inserción correcta de acuerdo con la marca en el tubo.

⚠ You can use pliers for insertion. However, **ensure a piece of filament is inserted in the PTFE tube to prevent deformation.**

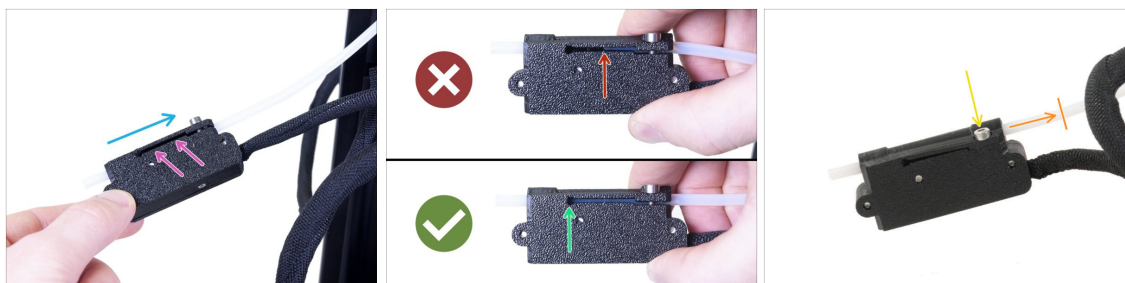
● Check that the PTFE tube is bent in the correct direction (see the detail).

● Secure the tube by tightening the M3x12 screw.

● Attach the extruder back to the Z-carriage.

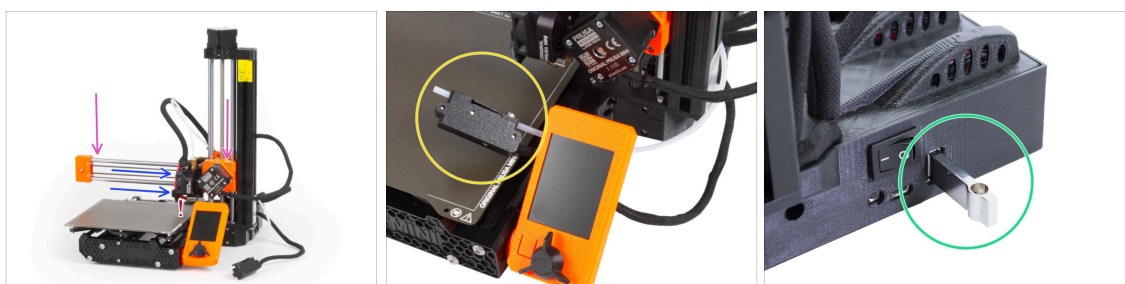
● Sujeta el extrusor con una mano y, con la segunda, asegúralo apretando los dos tornillos M3x25. Apriétalos firmemente.

PASO 7 Instalación del sensor de filamento (opcional)



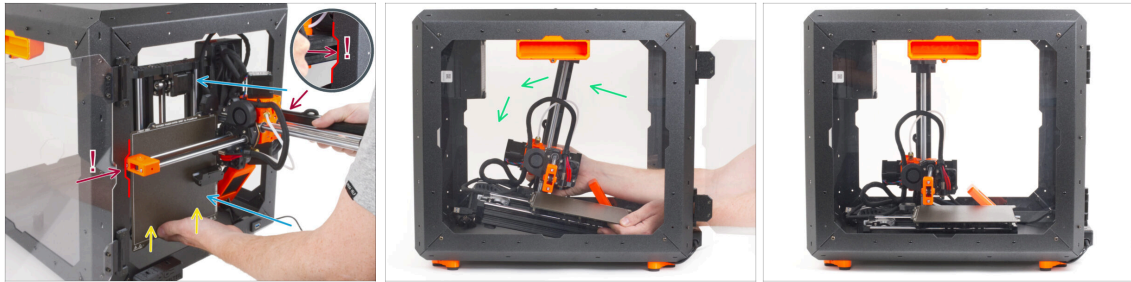
- Desliza el sensor de filamento en el tubo de PTFE. Mira la imagen para la orientación correcta del sensor.
- Verifica posición del tubo de PTFE a través de la ranura:
 - **Instalación incorrecta.** El sensor de filamento no está completamente insertado en el tubo de Teflón. El sensor de filamento no funcionará correctamente.
 - **Instalación correcta.** El sensor de filamento está empujado completamente sobre el tubo de PTFE.
- Ahora, aprieta el tornillo suavemente para asegurarte de que el sensor no se desliza del tubo de PTFE.
- Utiliza un trozo de filamento y deslízalo por el sensor de filamento para asegurar el correcto funcionamiento del tubo. En caso de resistencia, afloja ligeramente el tornillo.

PASO 8 Preparando la impresora



- In the following steps, we will insert the printer into the enclosure. **Before that, we need to check the following:**
 - Z-axis is in the **lower position**.
 - ⚠ **Ensure that the nozzle does not touch the printing surface!**
 - Ensure the print head is in the **rightmost position**.
 - If you have the filament sensor, you can temporarily hook it to the LCD. This will prevent it from getting in the way during insertion.
 - Retira la unidad USB de la impresora.

PASO 9 Instalando la impresora



- Carefully insert the printer inside the enclosure with its base facing forward. **When doing so, be EXTRA CAREFUL to:**
 - ⚠ **Ensure the X-end and aluminum Z-axis profile pass through the right and left cutouts of the front opening. Use EXTRA CAUTION to avoid damaging the printer or enclosure.**
 - **Hold the heatbed with your left hand to prevent it from sliding down and getting damaged on the bottom plate.**
 - **During insertion, carefully watch all sides of the printer to ensure nothing is in the way (e.g., cables, motors, etc.).**
- Carefully place the printer on its feet. We will adjust the exact position later on.
 - ⚠ **Ensure that no parts of the printer touch the side panels to avoid scratches.**

PASO 10 Connecting the PSUs: parts preparation (add-on)



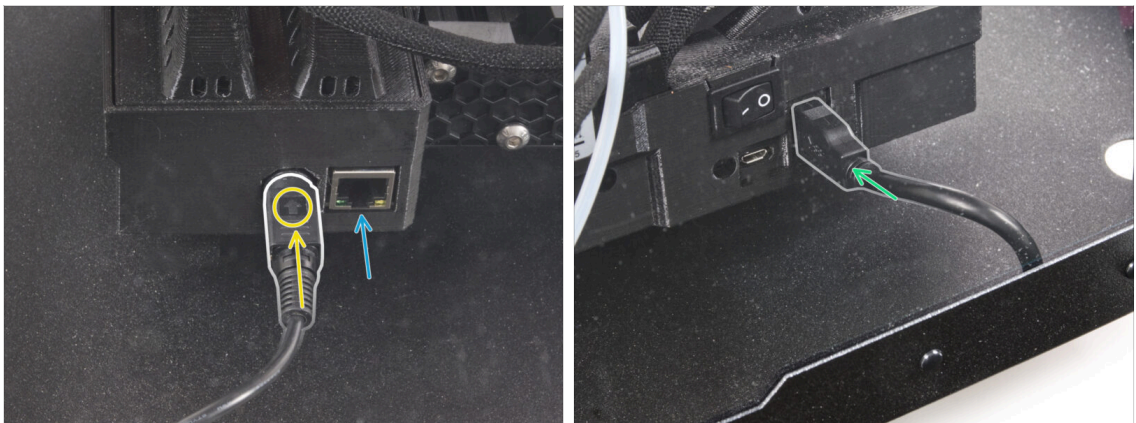
- Para los siguientes pasos, por favor prepara:
- Distribuidor alimentación (1x)

PASO 11 Connecting the PSUs (add-on)



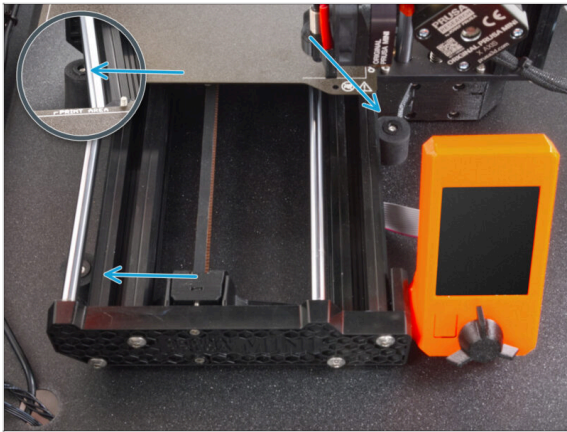
- Connect the plug ends to the PSUs.
- Connect the second end of the power cord Y-splitter to the power cable.

PASO 12 Conectando los cables



- From the back of the printer, connect the PSU power cable. See the correct orientation of the cable.
- ① If the space is difficult to access, move the printer closer to the front, **avoiding scratches on the panels.**
- If necessary, connect an ethernet cable, which is optional.
- Connect the USB extension cable from the right side of the printer.

PASO 13 Ajustando la posición de la impresora



- Rearrange position of the printer like in the picture. The **printer must be placed between all three anti-slip dampers.**

PASO 14 Termómetro: preparación de las piezas



- **Para los siguientes pasos, por favor prepara:**
- Temperature sensor (1x)
- Thermometer-bracket (1x)
- M3x8 screw (2x)
- M3n nut (2x)

PASO 15 Ensamblando el termómetro



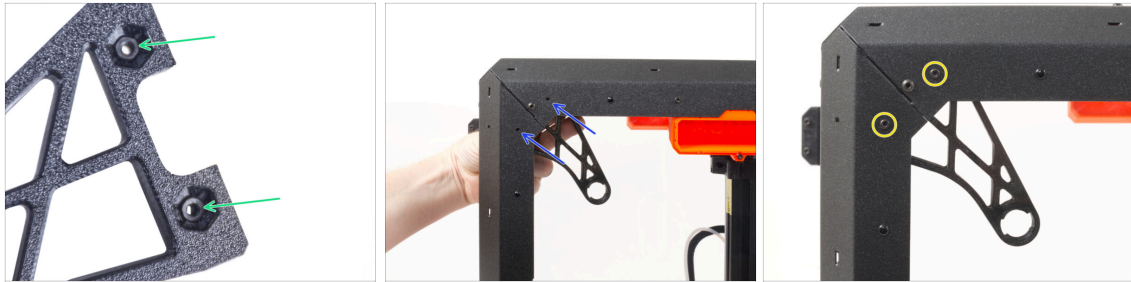
- Inserta dos tuercas M3n en el Thermometer-bracket.
- Extrae la lengüeta de plástico del sensor de temperatura.
- Inserta el sensor de temperatura en la pieza Thermometer-bracket. Presiona con los pulgares hasta que sientas un ligero "clic". **Evita presionar la pantalla, puedes dañarla.**
- Desde el interior, monta el termómetro en la esquina superior izquierda. Fíjalo con dos tornillos M3x8.

PASO 16 Portabobinas: preparación de las piezas



- Para los siguientes pasos, por favor prepara:
- Spool-holder-r (1x)
- Side arm (1x)
- M3x12 screw (2x)
- M3n nut (2x)

PASO 17 Instalando el soporte de bobina



- Inserta completamente dos tuercas M3n en los agujeros de la pieza Spool-holder-r.
- From the inside, align the holes of the Spool-holder-r with the corner on the right side of the enclosure. Ensure the orientation is correct.
- Secure the Spool-holder-r with two M3x12 screws.

PASO 18 Montaje del brazo lateral



- Inserta el brazo lateral en la pieza Spool-holder-r y gira en sentido contrario de las agujas del reloj para bloquearla.

PASO 19 Pegando la etiqueta



- And the very last thing, stick the silver label including the serial number on the rear side of the Enclosure.
- Locate the silver label with the serial number in your package.
- Place it on near the right bottom corner.

PASO 20 Momento Haribo!



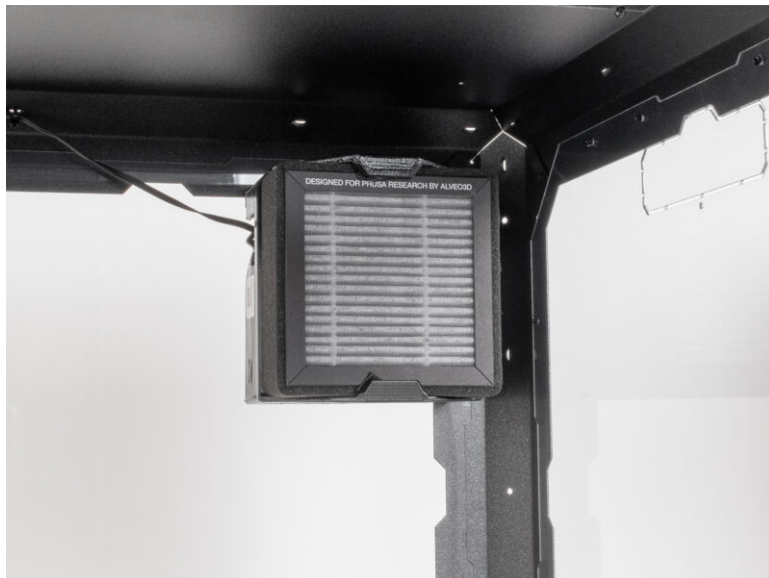
- You have successfully installed the printer into the enclosure. This requires a certain reward!
- Eat the remaining gummy bears from the third row.

PASO 21 Eso es todo

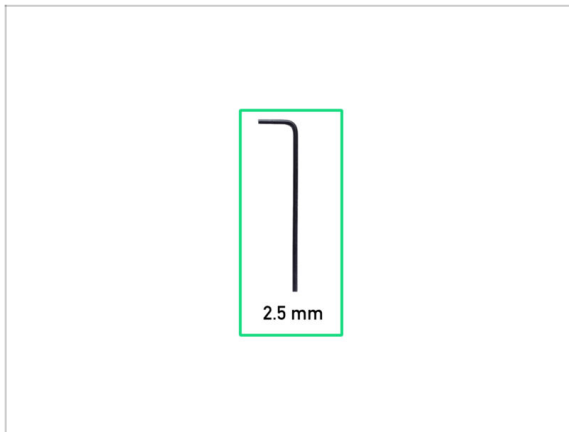


- ◆ That's all! Great job. You have successfully assembled the Original Prusa MINI Enclosure. Now, let's try it out.
- ◆ On the right side of the printer, turn the power switch ON.
- ◆ You can now hang the filament spool on the spool holder and load the filament into the printer and start printing.

Sistema de filtración avanzado (complemento)



PASO 1 Herramientas necesarias para este capítulo



● Para este capítulo, prepara por favor:

● 2.5mm Allen key

PASO 2 Additional tools

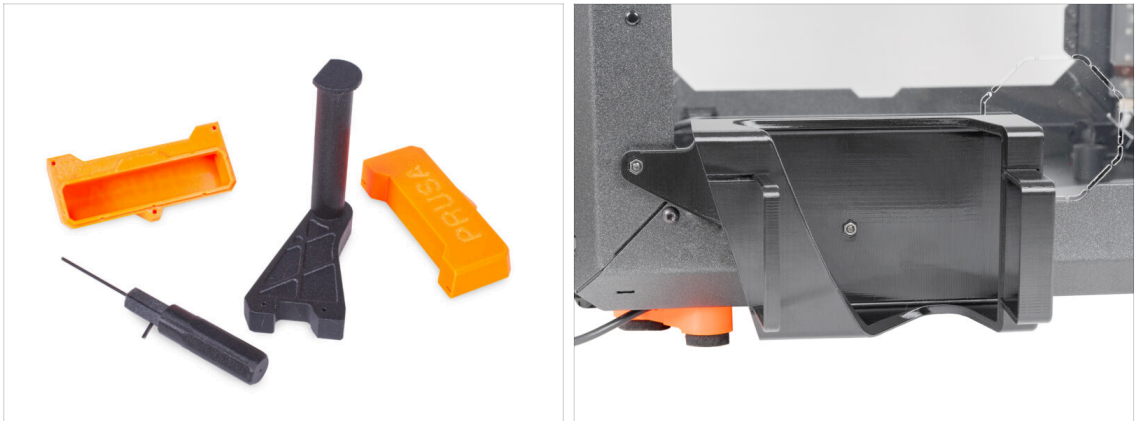


ⓘ Tools that are not included but can make assembly easier, especially when installing add-ons.

● Additional tools:

● Side cutters *for cutting zip ties and removing the nylon rivets*

PASO 3 Optional parts



- Hemos diseñado mejoras que no se incluyen por defecto en el kit, pero puede imprimirlas y añadirlas a la caja durante el montaje. Las fijaciones ya están incluidas en el kit.

⚠ **Imprime las piezas antes de empezar el montaje.**

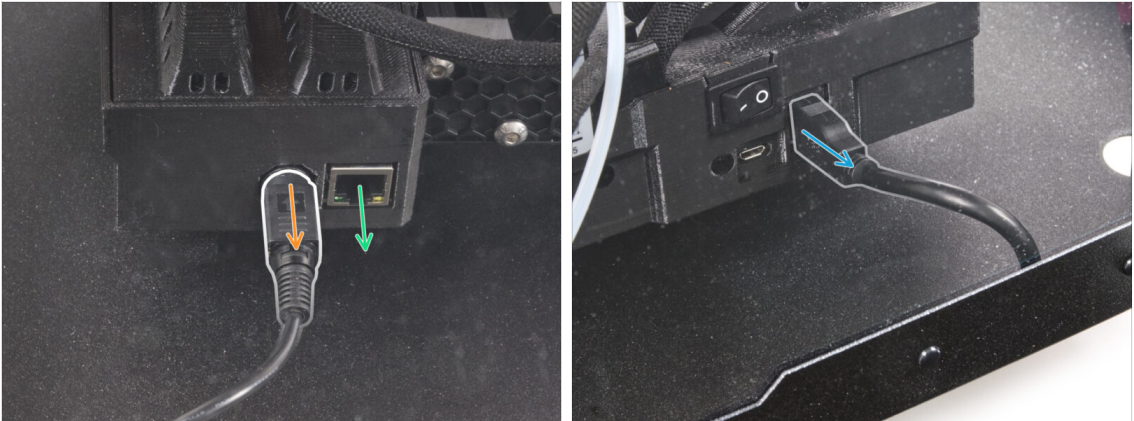
- To see the full list of the parts, please visit our collection at [Printables.com](https://www.printables.com).

PASO 4 Desmontaje del brazo lateral



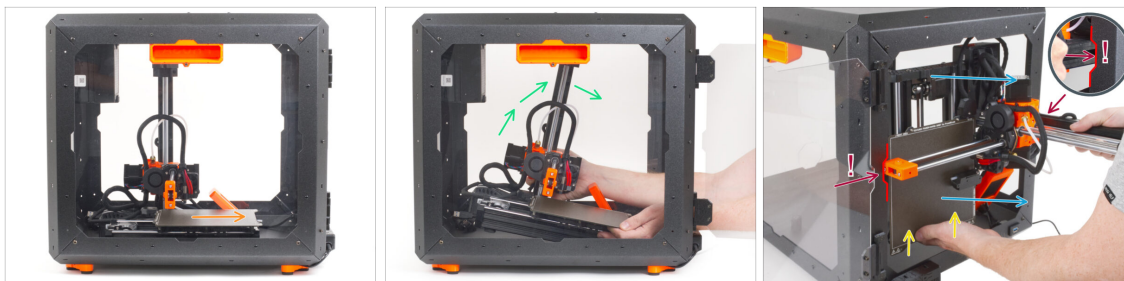
- Grasp the Spool-holder-r and turn clockwise to unlock it and remove it from the MINI Enclosure.

PASO 5 Disconnecting the cables



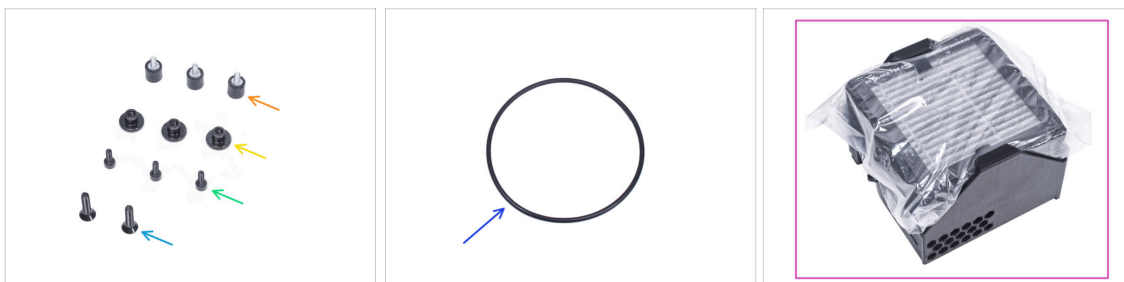
- Pull the power cord handle towards you to release and disconnect the power cord from the back of the printer.
- ① If the space is difficult to access, move the printer closer to the front, **avoiding scratches on the panels**.
- If necessary, disconnect an ethernet cable.
- Disconnect the USB extension cable from the right side of the printer.

PASO 6 Uninstalling the printer



- From the front side of the MINI Enclosure:
- Move the heatbed towards you.
- Carefully take the printer.
- Carefully pull the printer out of the MINI Enclosure with the base facing backwards.
Be EXTRA CAREFUL when doing this:
 - ⚠ **Ensure the X-end and aluminum Z-axis profile pass through the right and left cutouts of the front opening. Use EXTRA CAUTION to avoid damaging the printer or enclosure.**
 - Hold the heatbed with your left hand to prevent it from sliding down and getting damaged on the bottom plate.
 - During pulling out the printer, look carefully at all sides of the printer to ensure that nothing is in the way (e.g., cables, motors, etc.).
 - ⚠ **Ensure that no parts of the printer touch the side panels to avoid scratches.**
- Put the printer aside.

PASO 7 Advanced filtration system: parts preparation



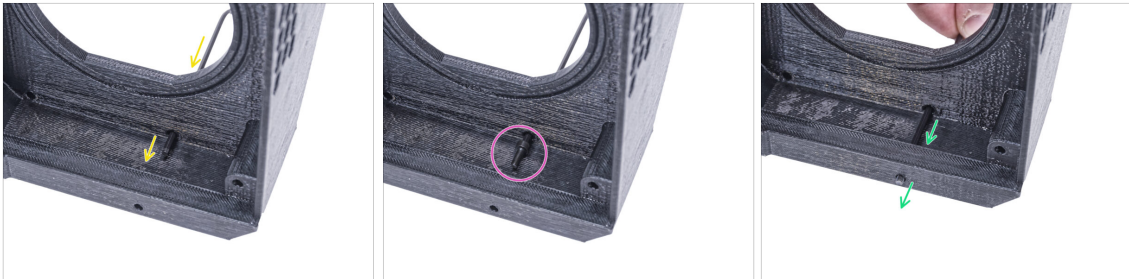
- For the following steps, please prepare:
- Damper (3x)
- Thumb nut M3 (3x)
- M3x8 screw (3x)
- Tornillo avellanado M4x16b (2x)
- Blower o-ring (1x)
- Filtration pack (1x)

PASO 8 Montaje de la filtración: preparación de las piezas



- ✿ Extrae el filtro del paquete de filtración y **divide el paquete en estas partes individuales:**
- ⬢ Ventilador Alta Presión (1x)
- ⬢ HEPA filter (1x)
- ⬢ Filter-Bracket (1x)

PASO 9 Assembling the filtration



- ⬢ Coloca el Filter-Bracket como en la imagen y empuja la llave Allen a través del agujero como puede ver.
- ✿ Coloca el tornillo M3x8 en la punta de la llave Allen.
- ⬢ Con la llave Allen, introduce el tornillo hasta el final en el orificio frontal del soporte. El tornillo debe sobresalir parcialmente.

PASO 10 Assembling the filtration



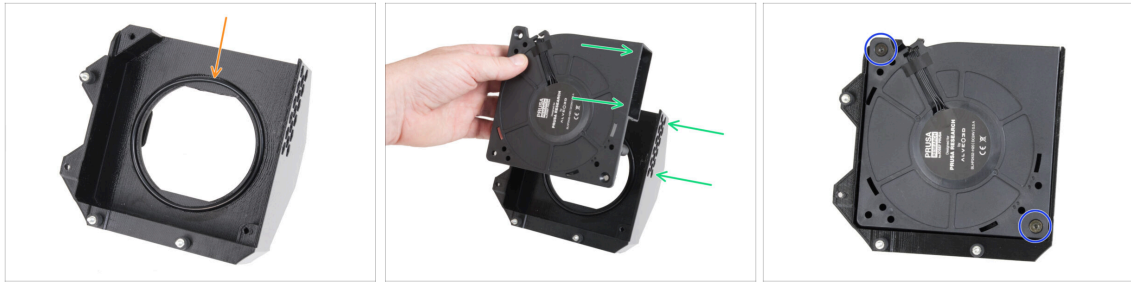
- Tighten the damper on the screw.
- Repite el mismo procedimiento para instalar el segundo amortiguador.

PASO 11 Assembling the filtration



- Using the Allen key, push the M3x8 screw through the protrusion on the other side of the Filter-Bracket.
- ⚠ Leave the marked hole empty.
- Tighten the damper on the screw.

PASO 12 Installing the blower



- Coloca la junta tórica del Ventilador en el Filter-Bracket.
- Inserte el Ventilador de Alta Presión en el Filter-Bracket que el soplador del ventilador esté orientado hacia los agujeros hexagonales de la pieza impresa.
- Une ambas partes con dos tornillos avellanados M4x16b.

PASO 13 Inserting the HEPA filter



- Abre la bolsa del filtro y retira el filtro HEPA.
- ⚠ **Manipula el filtro con precaución.** Si la superficie HEPA (la superficie plisada blanca) está dañada, el filtro perderá su eficacia. Protéjete las manos cuando retires el filtro usado y mételo en una bolsa de plástico. Un filtro saturado no es reciclable.

PASO 14 Inserting the HEPA filter



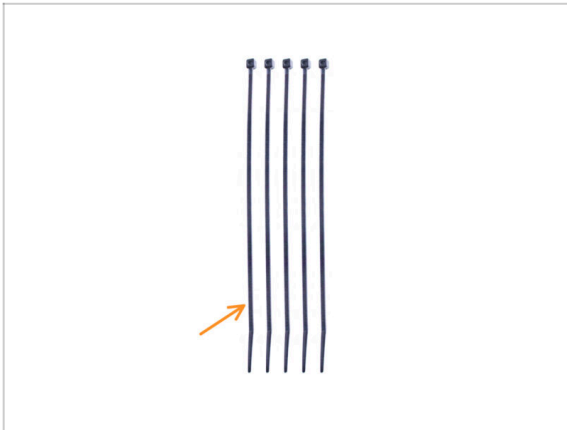
- ❖ Oriente el conjunto de filtración según la imagen. Asegúrate de que los dos soportes están orientados hacia ti y que el cable apunta hacia la izquierda.
- ⚠ **Asegúrate de que el filtro HEPA ya está extraído de la bolsa.**
- ❖ Desde la izquierda, empuja el filtro HEPA hasta el final en el Filter-Bracket. Ten en cuenta la orientación del filtro.

PASO 15 Installing the filtration



- ❖ From the inside, remove the nylon rivet on the left upper corner.
 - ⓘ Hint: use a Side cutters from inside the enclosure to push the nylon rivet out
- ❖ From the inside, attach the filtration to the rear side of the Enclosure "frame" so that all three screws go through the holes.
- ❖ Secure all three damper screws by tightening three thumb nuts.

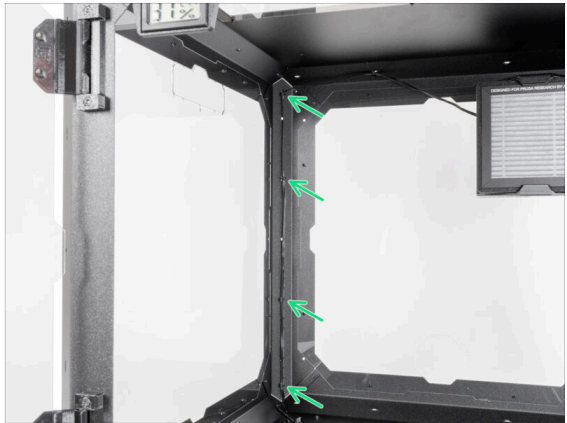
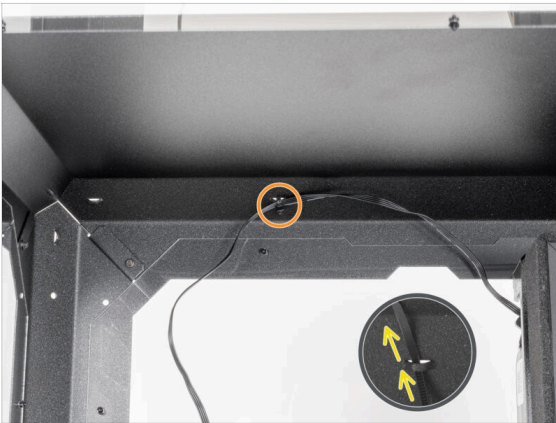
PASO 16 Guiado del cable de la filtración: preparación de las piezas



● Para los siguientes pasos, por favor prepara:

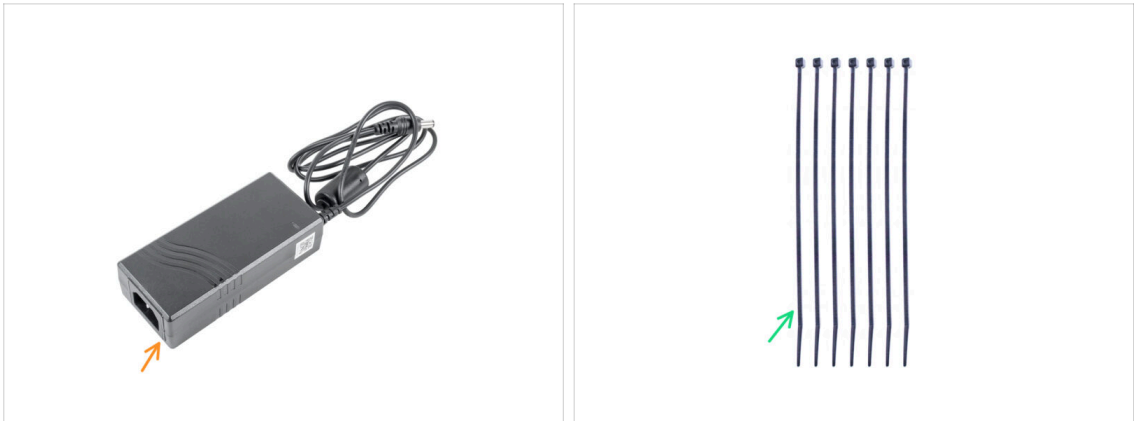
● Zip tie (5x)

PASO 17 Guiding the add-on cables: filtration cable



- Guide the zip tie through the perforation in the top panel near the filtration.
- Using this zip tie, secure the filtration cable. **Do not overtighten the zip tie**, as it may cause fatal damage to the cable.
- In the same way, secure the cable to the four perforations in the left rear profile. **Do not overtighten the zip ties**, as it may cause fatal damage to the cable.
- Leave the rest of the cable free for now.

PASO 18 Fuente de alimentación: preparación de las piezas

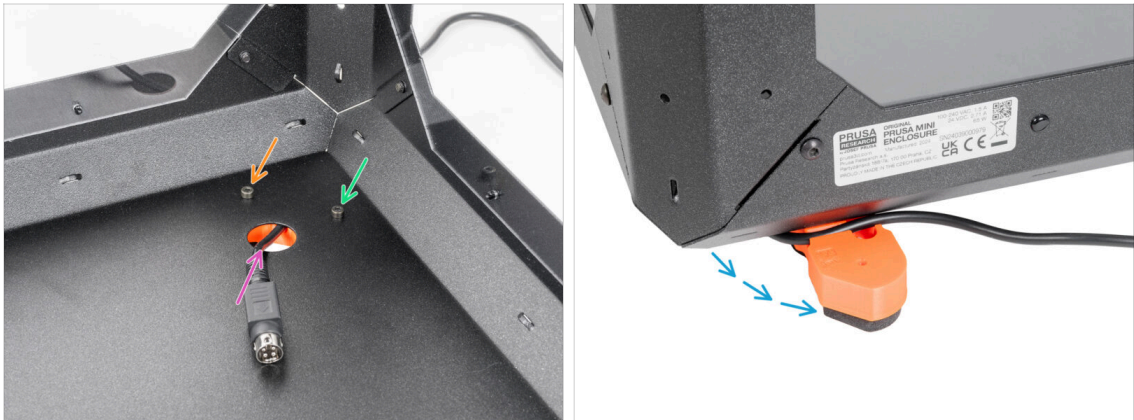


❶ From October 2024 you may receive two different manufacturers of the PSU, the pictures may be different but **the assembly process is the same**.

■ Para los siguientes pasos, por favor prepara:

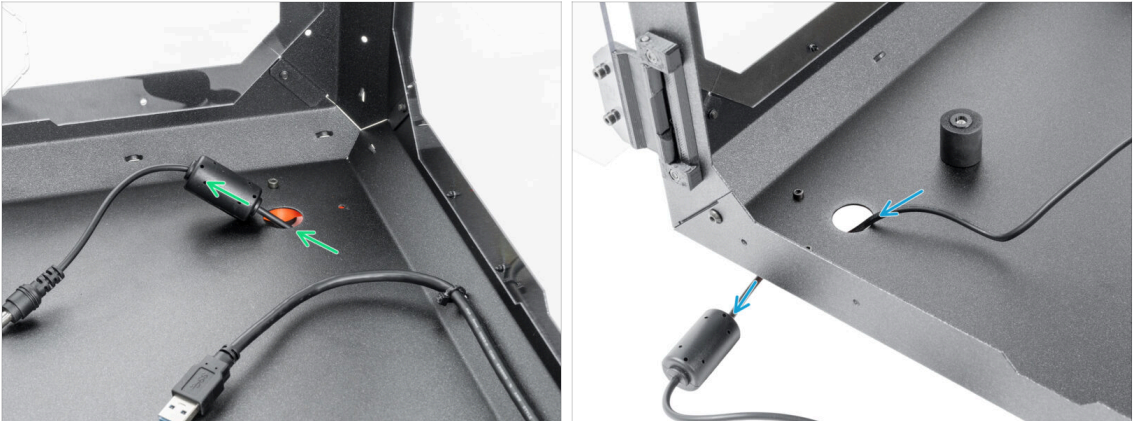
- PSU (1x)
- Zip tie (7x)

PASO 19 Releasing the rear foot



- Slightly loosen the left screw behind the circle hole.
- Release and remove the right screw. **Don't throw the screw away!**
- Remove the printer PSU cable from the rear hole.
- Reposition the foot as shown in the picture. **Keep the cable in the cable channel.**

PASO 20 Guiding the PSU cable



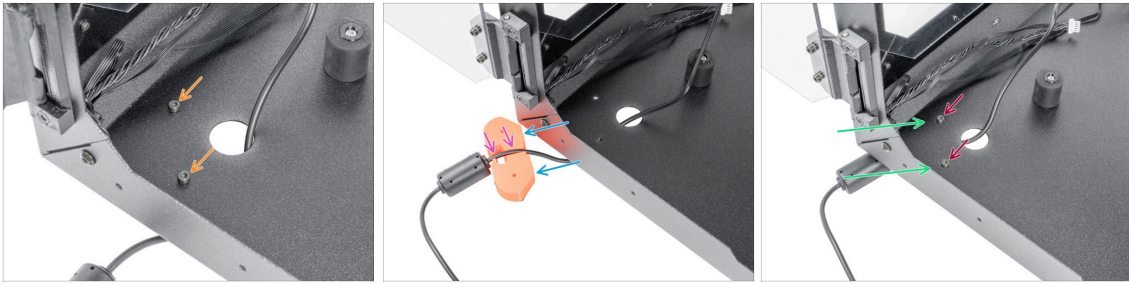
- ⚠ Exercise caution when handling anything inside the enclosure. There are sharp metal plates, so avoid injury.
- Insert the PSU cable with the ferrite core through the circular hole at the rear of the Enclosure.
- ℹ The ferrite core is smaller than the hole, slowly push it through the hole.
- Guide the PSU cable with the connector through the front circle hole out of the Enclosure.

PASO 21 Securing the rear foot



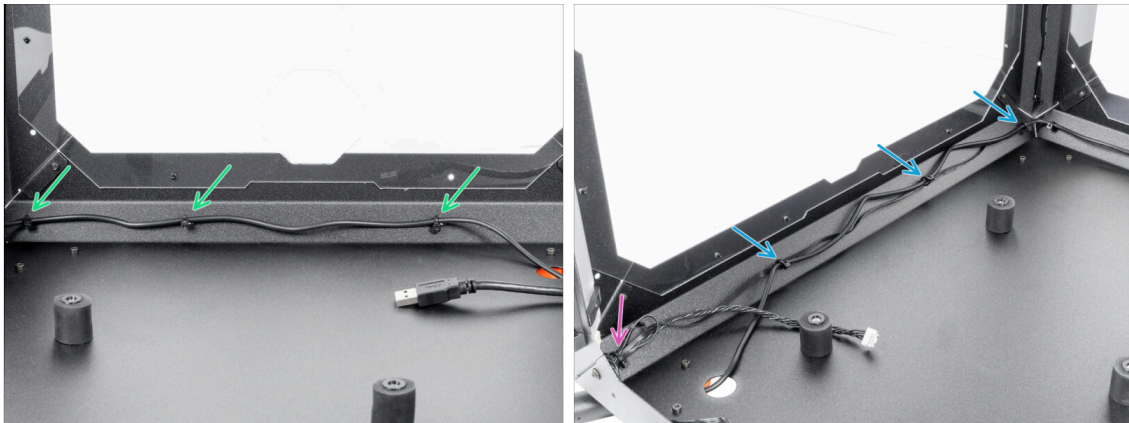
- Insert the printer PSU cable back through the rear hole.
- Close the foot back to its original position and align the holes in the foot and Enclosure.
- ℹ Tip: You can inspect the position through the Top window panel.
- After aligning the hole, secure the foot by inserting back the M3x12 screw.
- Fully tighten the left screw.

PASO 22 Releasing the front foot



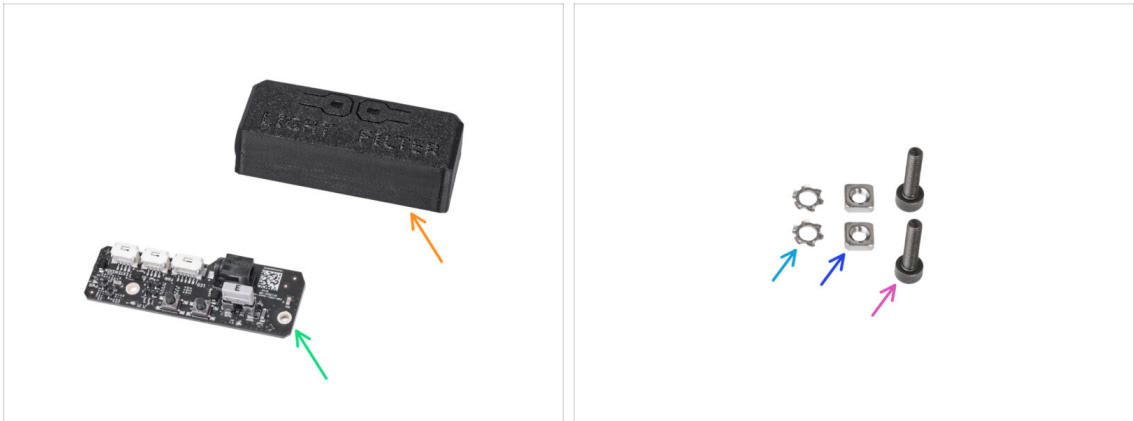
- Release and remove both M3x12 screws.
- Reposition the foot as shown. Push the PSU cable into the cable channel.
- Push the PSU cable into the cable channel.
- Close the foot back to its original position and align the holes.
- Secure the foot by inserting back the M3x12 screws and tighten them firmly.

PASO 23 Securing the PSU cable



- ⚠ Exercise caution when handling anything inside the enclosure. There are sharp metal plates, so avoid injury.
- Guide the cable along the rear side of the Enclosure and secure it using three zip ties through the perforations. **Do not overtighten the zip ties, you can damage the cable.**
- Guide the PSU cable along with the FAN cable on the left side of the Enclosure and secure it with the three zip-ties. **Do not overtighten the zip ties, you can damage the cables.**
- If you have installed the Advanced Filtration System, guide the filtration cable together with the PSU cable. Secure it with one extra zip tie in the left corner. **Do not overtighten the zip tie, you can damage the cables.**

PASO 24 Basic Board: parts preparation



● Para los siguientes pasos, por favor prepara:

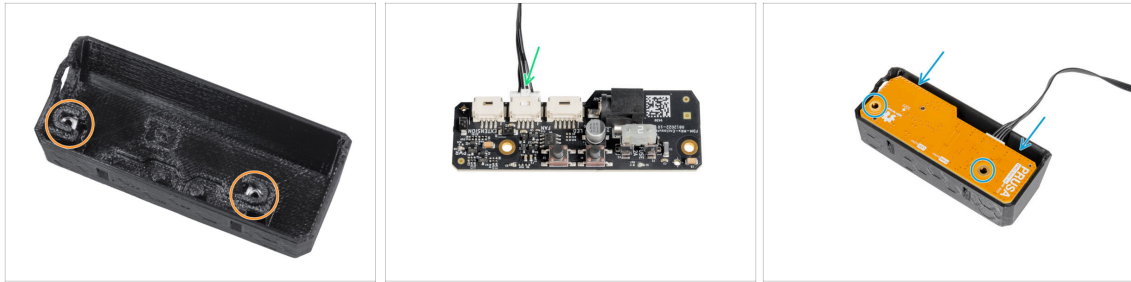
- Cubierta Placa Básica (1x)
- Basic board (1x)
- Arandela de seguridad dentada M3w (2x)
- M3nS nut (2x)
- M3x12 screw (2x)

PASO 25 Installing the Basic Board



- Monta la tuerca M3nS en el tornillo M3x12. Fijala en unas roscas en la punta del tornillo.
- Empuja el tornillo con la tuerca hasta el final en el agujero de la misma forma dentro de la Cubierta de la Placa Básica.
- Retira el tornillo de la tuerca.

PASO 26 Installing the Basic Board



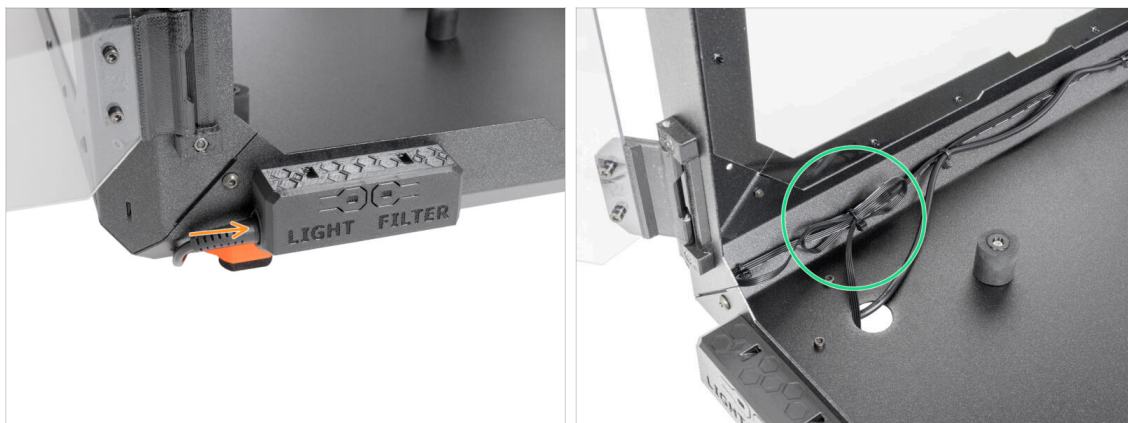
- ✚ Usa el mismo procedimiento para ambos huecos de la Cubierta de la Placa Básica.
- ⓘ If you already have an **LED strip panel** installed, leave the LED cable in the Basic board slot labeled LED.
- ✚ Connect the filtration cable to the Basic Board slot labeled FAN.
- ✚ Place the Basic Board into the Basic Board Cover and align the holes on both parts.

PASO 27 Mounting the Basic Board



- ✚ From the inside the Enclosure, insert two M3x12 screw through the front profile.
- ✚ Coloca dos arandelas dentadas M3w en los tornillos.
- ✚ Take the Basic Board assembly and align the holes with the screws in the profile.
- ✚ Attach the Basic Board assembly to the screws and tighten the screws from the inside.

PASO 28 Connecting the Basic Board



- 🟡 Connect the external PSU cable to the basic board from the left side.
- 🟢 It is recommended to make a loop with the excess cable and secure it with a zip tie. This way, the cable will not get in the way. **Do not overtighten the zip ties, you can damage the cable.**

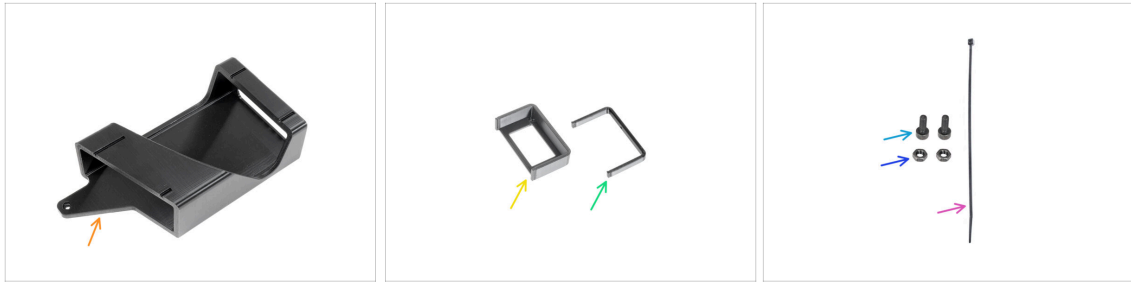
PASO 29 PSU holder clarification (optional)



📌 These steps are only for LED strip and Advanced filtration system owners only. The smaller PSU space is for those with additional PSU. Otherwise, skip to **Door hinges: parts preparation**

- 🟡 PSU holder is not included in the package, you will need to print it out from [Printables.com](https://www.printables.com)
- ⚠️ **Before starting printing, check what type of PSU you have!**
- 🟡 XP PSU: This PSU is larger than the Delta PSU. You will need the **Current-PSU-holder-XP, Add-on PSU-holder-A-XP and Add-on PSU-holder-B-XP.**
- 🟢 Delta PSU: This PSU is smaller than the XP PSU. You will need the **Current-PSU-holder, Add-on PSU-holder-A and Add-on PSU-holder-B.**

PASO 30 PSU holder: parts preparation (optional)

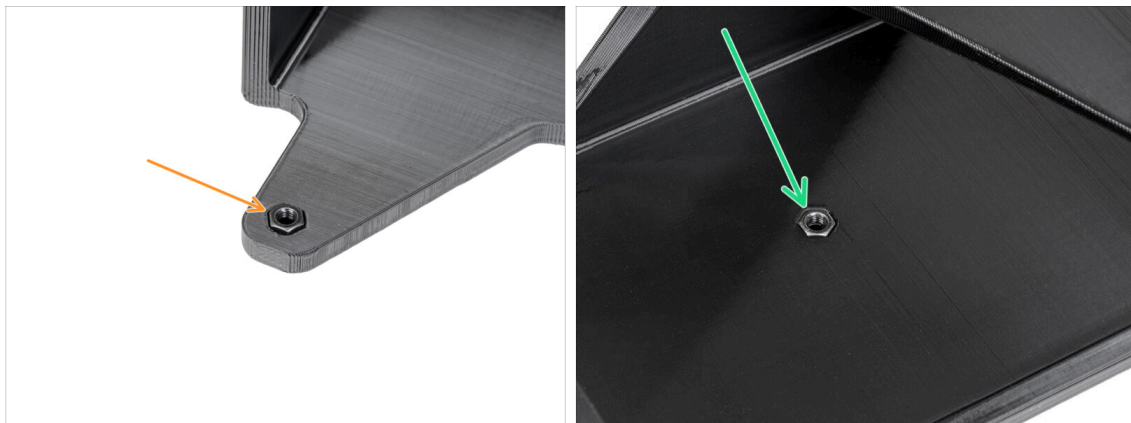


i These steps are only for LED strip and Advanced filtration system owners only. The smaller PSU space is for those with additional Delta PSU. Otherwise, skip to **Installing the printer**

Para los siguientes pasos, por favor prepara:

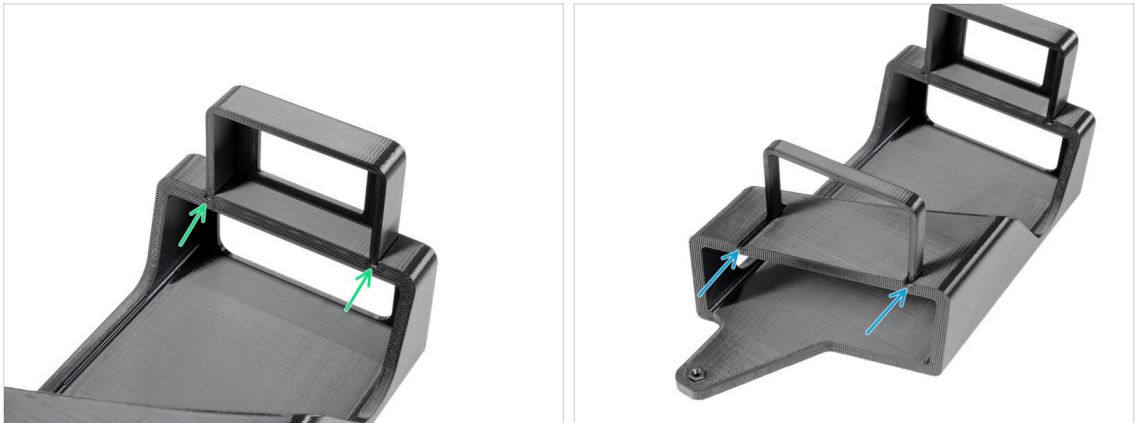
- PSU-holder (1x) *this part is not included in the package, you will need to print it out from [Printables.com](https://www.printables.com)*
- Add-on PSU-holder-A (1x) *this part is not included in the package, you will need to print it out from [Printables.com](https://www.printables.com)*
- Add-on PSU-holder-B (1x) *this part is not included in the package, you will need to print it out from [Printables.com](https://www.printables.com)*
- M3x8 screw (2x)
- M3n nut (2x)
- Zip-tie (1x)

PASO 31 PSU holder nut preparation (optional)



- Insert the M3n nut into the PSU-holder.
- Insert the M3n nut into the PSU-holder.

PASO 32 PSU holder preparation (optional)



❗ These steps are only for LED strip and Advanced filtration system owners only. The smaller PSU space is for those with additional Delta PSU.

- ➡ Attach the Add-on PSU-holder-A to the rails on the PSU-holder.
- ➡ Attach the Add-on PSU-holder-B to the rails on the PSU-holder.

PASO 33 Attaching the PSU holder (optional)



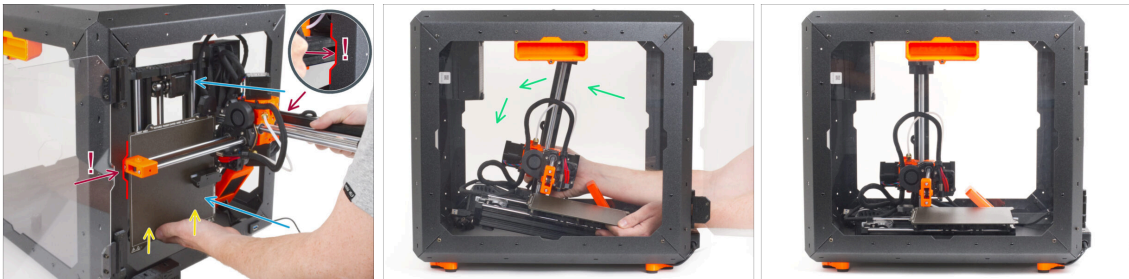
- ➡ Remove the nylon rivet on the left bottom corner.
- ❗ Hint: use a pliers from inside the enclosure to push the nylon rivet out
- ➡ From the inside of the enclosure, insert two M3x8 screws through the cut-outs.
- ➡ Attach the PSU-holder on the screws.
- ➡ Secure the screws from the inside.

PASO 34 Securing the PSUs (optional)



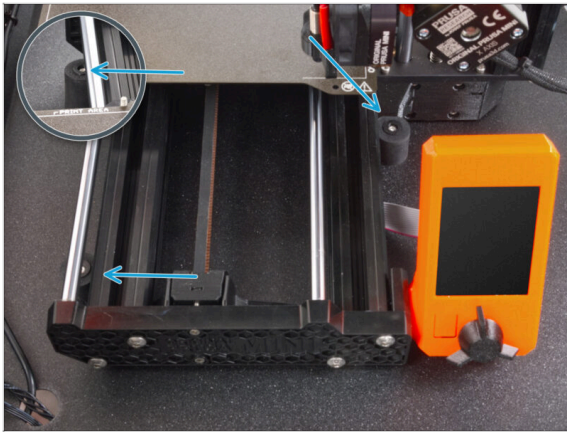
- Insert the printer PSU into the PSU-holder.
- Insert the add-on PSU into the PSU-holder.
- Secure the cables together with a zip-tie.

PASO 35 Installing the printer



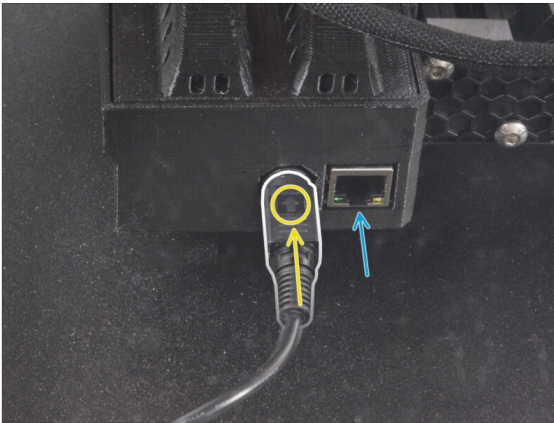
- Carefully insert the printer inside the enclosure with its base facing forward. **When doing so, be EXTRA CAREFUL to:**
 - ⚠ Ensure the X-end and aluminum Z-axis profile pass through the right and left cutouts of the front opening. Use EXTRA CAUTION to avoid damaging the printer or enclosure.**
 - 🟡 Hold the heatbed with your left hand to prevent it from sliding down and getting damaged on the bottom plate.**
 - ⬛ During insertion, carefully watch all sides of the printer to ensure nothing is in the way (e.g., cables, motors, etc.).**
- Carefully place the printer on its feet. We will adjust the exact position later on.
 - ⚠ Ensure that no parts of the printer touch the side panels to avoid scratches.**

PASO 36 Adjusting printer position



- Rearrange position of the printer like in the picture. The **printer must be placed between all three anti-slip dampers**.

PASO 37 Connecting the cables



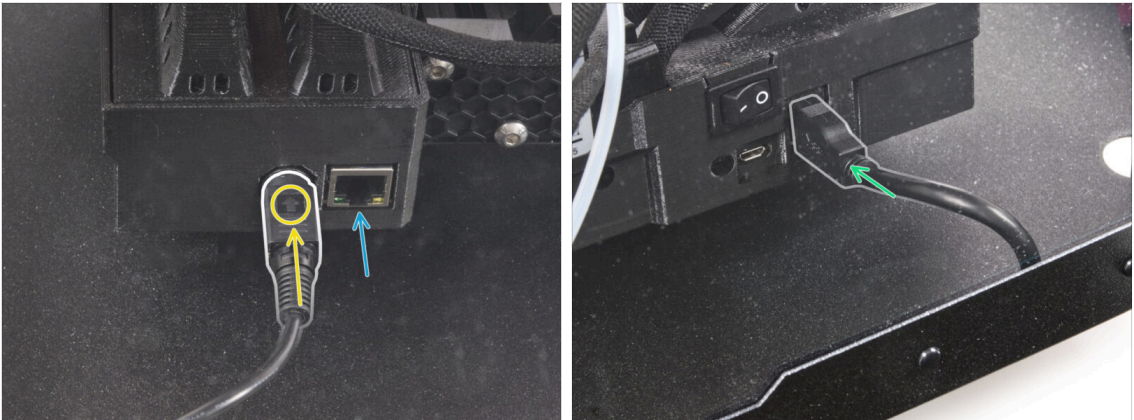
- From the back of the printer, connect the PSU power cable. See the correct orientation of the cable.
- ① If the space is difficult to access, move the printer closer to the front, **avoiding scratches on the panels**.
- If necessary, connect an ethernet cable, which is optional.
- Connect the USB extension cable from the right side of the printer.

PASO 38 Montaje del brazo lateral



- Inserta el brazo lateral en la pieza Spool-holder-r y gira en sentido contrario de las agujas del reloj para bloquearla.

PASO 39 Connecting the cables



- From the back of the printer, connect the PSU power cable. See the correct orientation of the cable.
- i** If the space is difficult to access, move the printer closer to the front, **avoiding scratches on the panels**.
- If necessary, connect an ethernet cable, which is optional.
- Connect the USB extension cable from the right side of the printer.

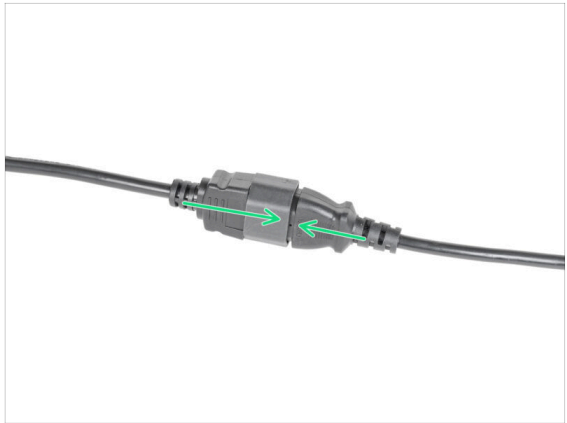
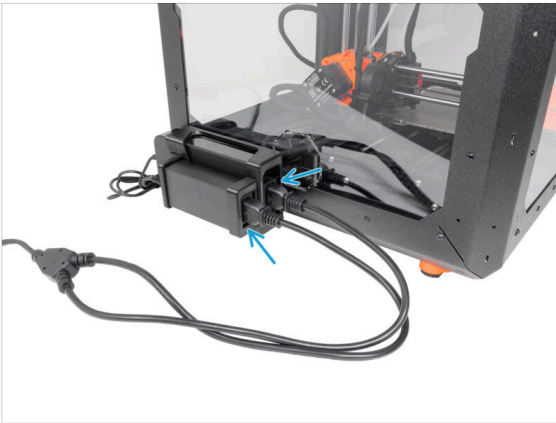
PASO 40 Connecting the PSUs: parts preparation



● Para los siguientes pasos, por favor prepara:

◆ Distribuidor alimentación (1x)

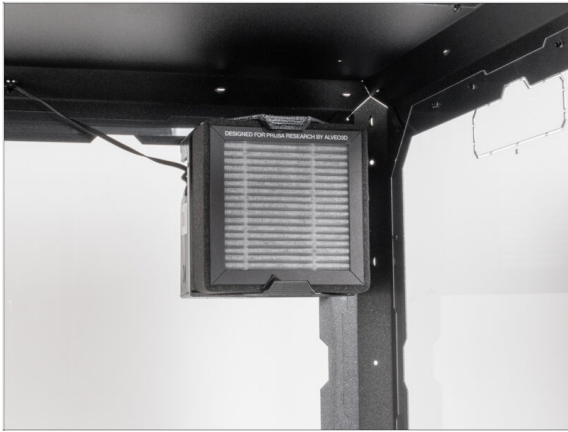
PASO 41 Connecting the PSUs



● Connect the plug ends to the PSUs.

◆ Connect the second end of the power cord Y-splitter to the power cable.

PASO 42 That's it

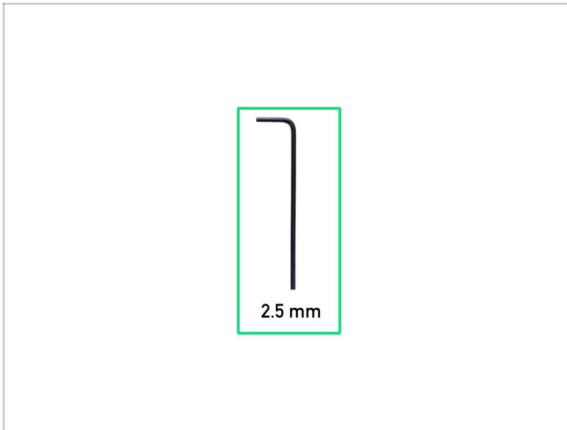


- ◆ That's it! Well done. You have successfully installed the Advanced filtration system in your Original Prusa MINI Enclosure. Now let's put it to the test.
- ◆ On the Basic board cover, press the *FILTER* button.

White LED strip (add-on)



PASO 1 Herramientas necesarias para este capítulo



● Para este capítulo, prepara por favor:

● 2.5mm Allen key

PASO 2 Additional tools



ⓘ Tools that are not included but can make assembly easier, especially when installing add-ons.

● Additional tools:

● Side cutters *for cutting zip ties and removing the nylon rivets*

PASO 3 Optional parts



- Hemos diseñado mejoras que no se incluyen por defecto en el kit, pero puede imprimirlas y añadirlas a la caja durante el montaje. Las fijaciones ya están incluidas en el kit.

⚠ **Imprime las piezas antes de empezar el montaje.**

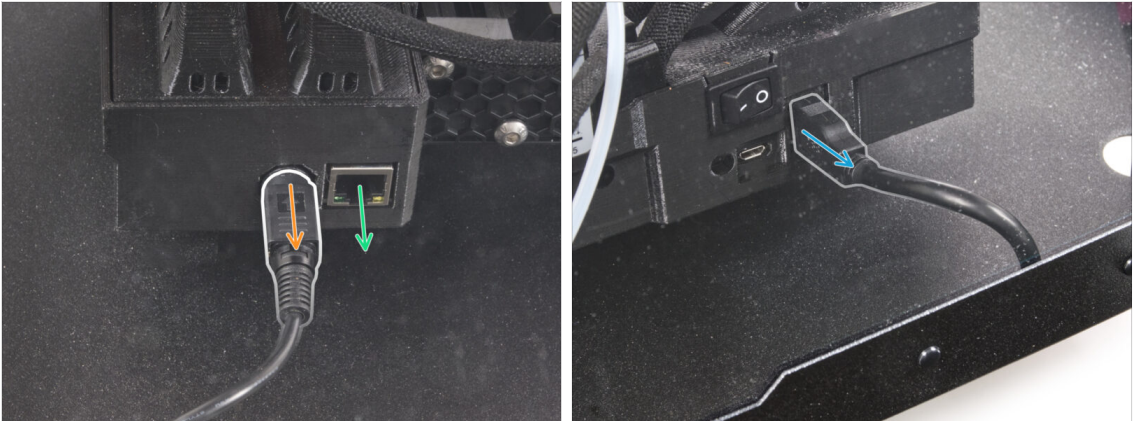
- To see the full list of the parts, please visit our collection at [Printables.com](https://www.printables.com).

PASO 4 Desmontaje del brazo lateral



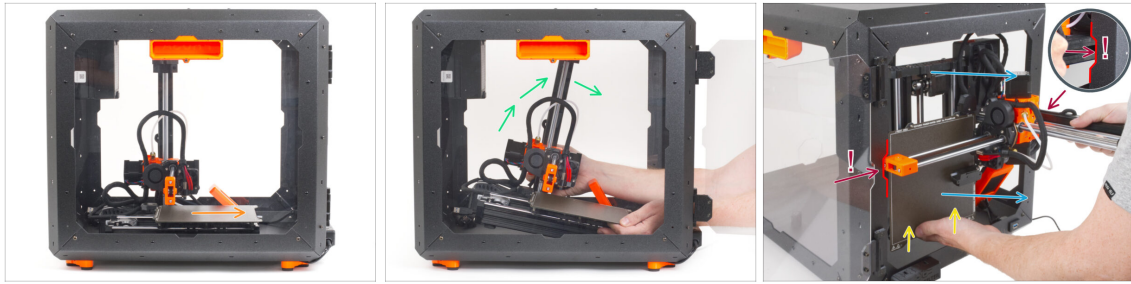
- Grasp the Spool-holder-r and turn clockwise to unlock it and remove it from the MINI Enclosure.

PASO 5 Disconnecting the cables



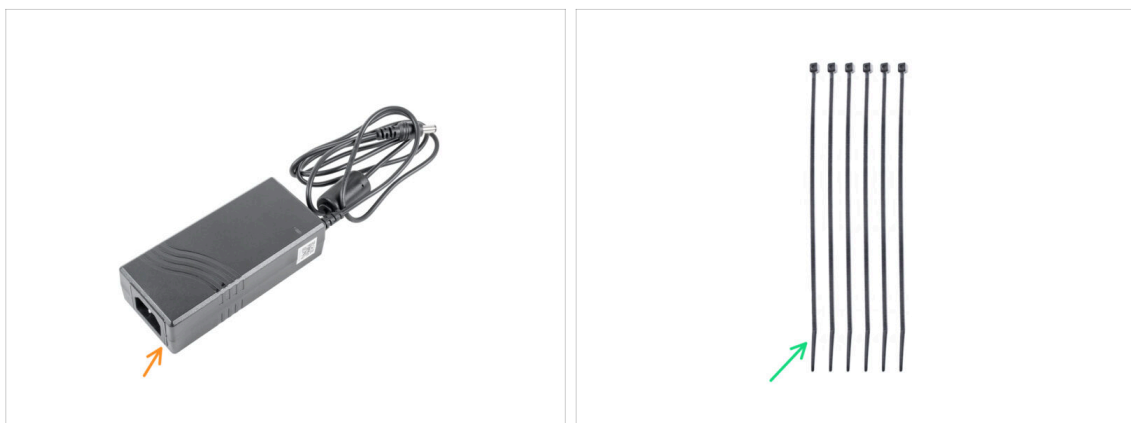
- Pull the power cord handle towards you to release and disconnect the power cord from the back of the printer.
- ① If the space is difficult to access, move the printer closer to the front, **avoiding scratches on the panels**.
- If necessary, disconnect an ethernet cable.
- Disconnect the USB extension cable from the right side of the printer.

PASO 6 Uninstalling the printer



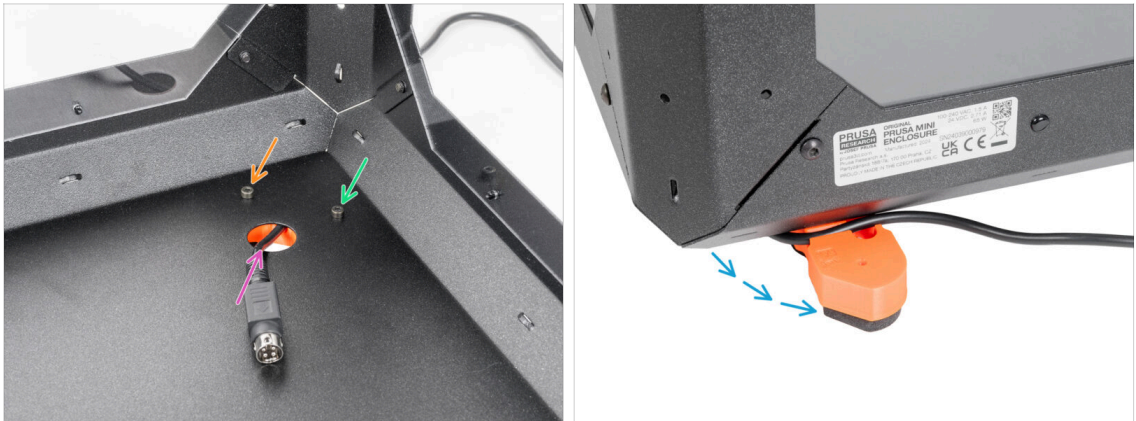
- From the front side of the MINI Enclosure:
- Move the heatbed towards you.
- Carefully take the printer.
- Carefully pull the printer out of the MINI Enclosure with the base facing backwards.
Be EXTRA CAREFUL when doing this:
 - ⚠ **Ensure the X-end and aluminum Z-axis profile pass through the right and left cutouts of the front opening. Use EXTRA CAUTION to avoid damaging the printer or enclosure.**
 - **Hold the heatbed with your left hand to prevent it from sliding down and getting damaged on the bottom plate.**
 - **During pulling out the printer, look carefully at all sides of the printer to ensure that nothing is in the way (e.g., cables, motors, etc.).**
 - ⚠ **Ensure that no parts of the printer touch the side panels to avoid scratches.**
- Put the printer aside.

PASO 7 Delta PSU: parts preparation



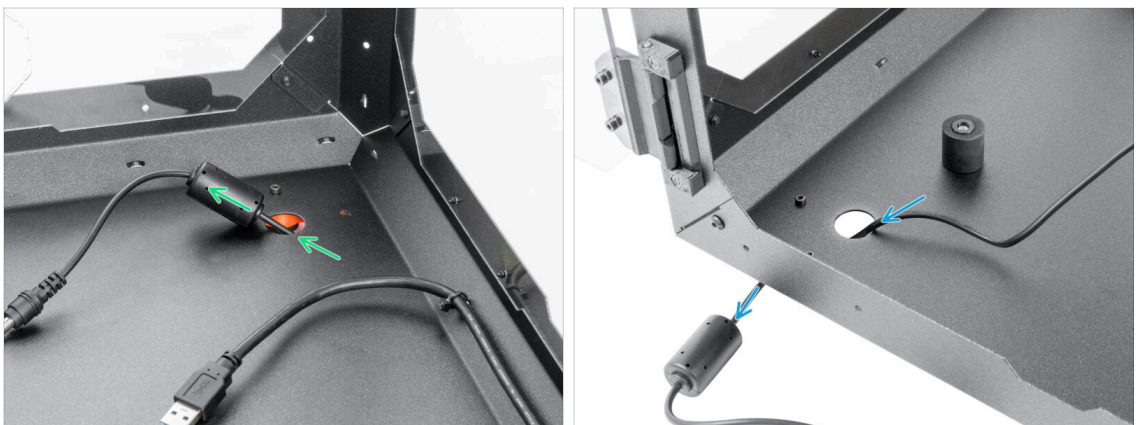
- ① From October 2024 you may receive two different manufacturers of the PSU, the pictures may be different but **the assembly process is the same.**
- **Para los siguientes pasos, por favor prepara:**
 - PSU (1x)
 - Zip tie (6x)

PASO 8 Releasing the rear foot



- 🟠 Slightly loosen the left screw behind the circle hole.
- 🟢 Release and remove the right screw. **Don't throw the screw away!**
- 🟡 Remove the printer PSU cable from the rear hole.
- 🟡 Reposition the foot as shown in the picture. **Keep the cable in the cable channel.**

PASO 9 Guiding the PSU cable



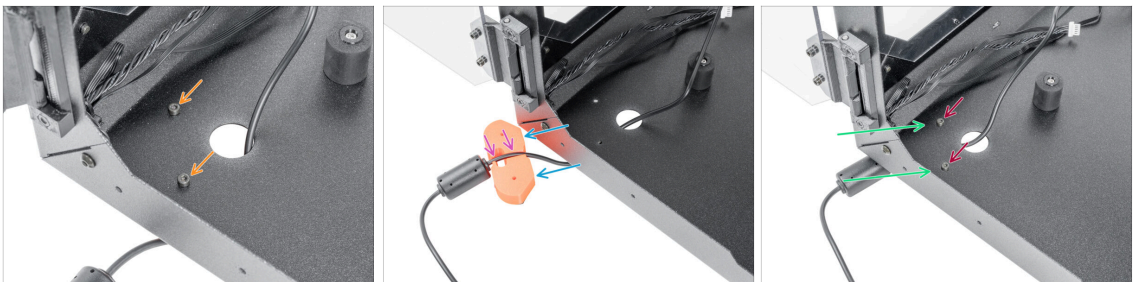
- ⚠️ Exercise caution when handling anything inside the enclosure. There are sharp metal plates, so avoid injury.
- 🟢 Insert the PSU cable with the ferrite core through the circular hole at the rear of the Enclosure.
 - 📄 The ferrite core is smaller than the hole, slowly push it through the hole.
- 🟡 Guide the PSU cable with the connector through the front circle hole out of the Enclosure.

PASO 10 Securing the rear foot



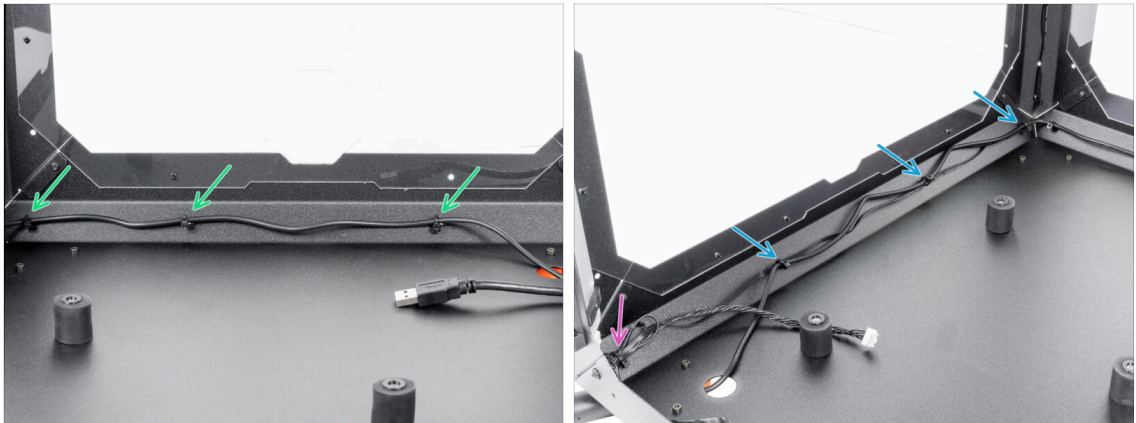
- ✿ Insert the printer PSU cable back through the rear hole.
- ✿ Close the foot back to its original position and align the holes in the foot and Enclosure.
- ❗ Tip: You can inspect the position through the Top window panel.
- ✿ After aligning the hole, secure the foot by inserting back the M3x12 screw.
- ✿ Fully tighten the left screw.

PASO 11 Releasing the front foot



- ✿ Release and remove both M3x12 screws.
- ✿ Reposition the foot as shown. Push the PSU cable into the cable channel.
- ✿ Push the PSU cable into the cable channel.
- ✿ Close the foot back to its original position and align the holes.
- ✿ Secure the foot by inserting back the M3x12 screws and tighten them firmly.

PASO 12 Securing the PSU cable



-  Exercise caution when handling anything inside the enclosure. There are sharp metal plates, so avoid injury.
-  Guide the cable along the rear side of the Enclosure and secure it using three zip ties through the perforations. **Do not overtighten the zip ties, you can damage the cable.**
 -  Guide the PSU cable along with the FAN cable on the left side of the Enclosure and secure it with the three zip-ties. **Do not overtighten the zip ties, you can damage the cables.**
 -  If you have installed the Advanced Filtration System, guide the filtration cable together with the PSU cable. Secure it with one extra zip tie in the left corner. **Do not overtighten the zip tie, you can damage the cables.**

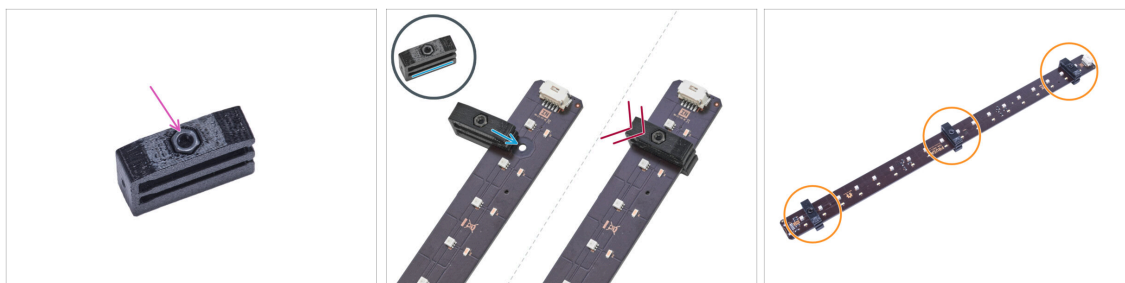
PASO 13 Tira LED blanca: preparación de las piezas



 Para los siguientes pasos, por favor prepara:

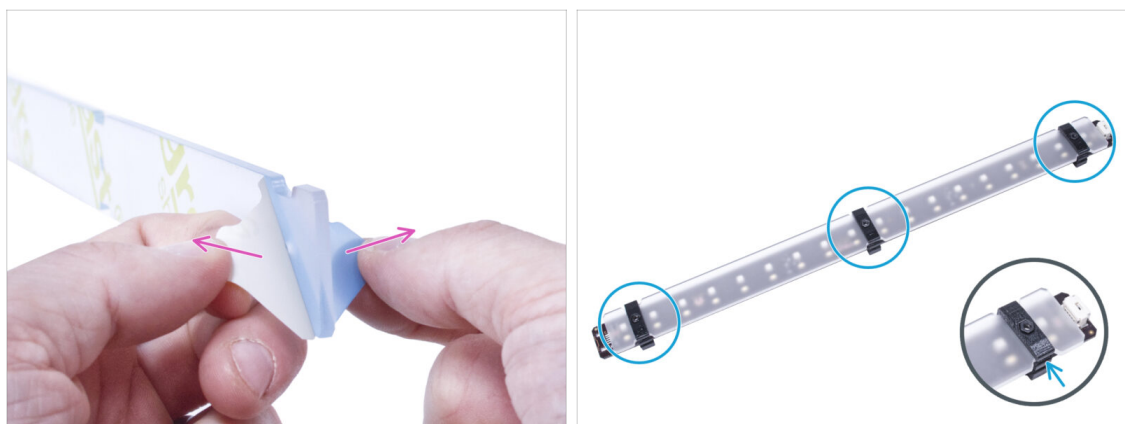
-  LED Stick Board (1x)
WARNING: Make sure to protect the electronics against electrostatic discharge (ESD). Always unpack the electronics right before you need them!
-  LED diffuser (1x)
-  Soporte Barra LED (3x)
-  M3x18 screw (3x)
-  M3n nut (3x)

PASO 14 Assembling the LED strip



- ◆ Inserta la tuerca M3n en cada Soporte de la Tira LED.
 - ⚠ **La tuerca debe estar completamente incrustada en la pieza impresa y a ras de la superficie de la misma. Si la tuerca no ha sido incrustada lo suficiente, puede causar problemas en el montaje del cerramiento.**
- ◆ Desliza la ranura inferior del soporte de la tira LED en la placa de la tira LED y alinea el soporte contra el primer agujero de la placa de la tira LED más cercano al conector de la tira (blanco).
 - ⚠ **¡Evite deslizar el soporte sobre los chips y los diodos! Se pueden dañar fatalmente.**
- ◆ Empuja el soporte de la tira LED hasta el final en la placa de la tira LED.
- ◆ Realiza este procedimiento en los tres Soporte de Barra LED.

PASO 15 Assembling the LED strip



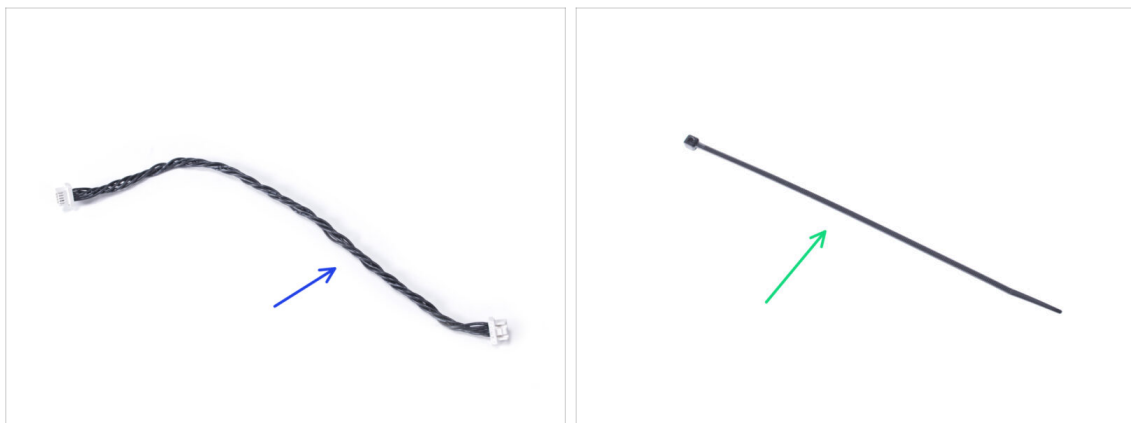
- ◆ Retira las láminas de protección de ambos lados del difusor LED.
- ◆ Empuja el difusor del LED en los soportes de la barra del LED. Utiliza la ranura superior.
 - (i) La orientación del difusor LED no importa. La pieza es simétrica.

PASO 16 Montaje de la tira LED



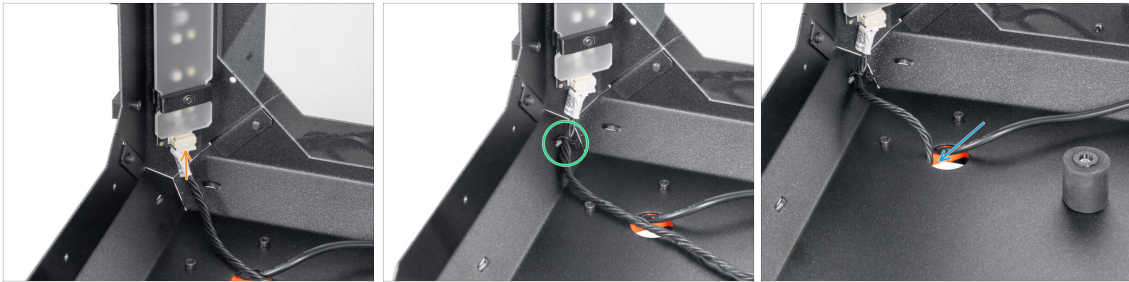
- i From now on, we will demonstrate LED mounting on the printer without the door panel for better visibility. **Please note, do not remove the door panel from your printer.** The printer in the pictures will be shown without door panel for improved visualization for the customers.
- From the inside of the enclosure, attach the LED strip assembly so that the LED stick brackets are aligned precisely with the screws. Attach the back side (the side without the diffuser).
- ⚠ Make sure, the LED connector is facing down.
- Secure the LED panel from the outside of the frame with three M3x18 screws. **Tighten them firmly but gently.**

PASO 17 LED cable: parts preparation



- **Para los siguientes pasos, por favor prepara:**
- LED cable (1x)
- Zip tie (1x)

PASO 18 Guiding the LED cable



- Conecta el cable de los LEDs al conector situado en la parte inferior de la tira de LEDs.
- Guide the zip tie through the perforation in the front left profile and secure the LED cable using the zip tie. **Do not overtighten the zip-tie.**
- Guide the LED cable through the hole in the bottom panel out of the MINI Enclosure.

PASO 19 Basic Board: parts preparation



- **Para los siguientes pasos, por favor prepara:**
- Cubierta Placa Básica (1x)
- Basic board (1x)
- Arandela de seguridad dentada M3w (2x)
- M3nS nut (2x)
- M3x12 screw (2x)

PASO 20 Installing the Basic Board



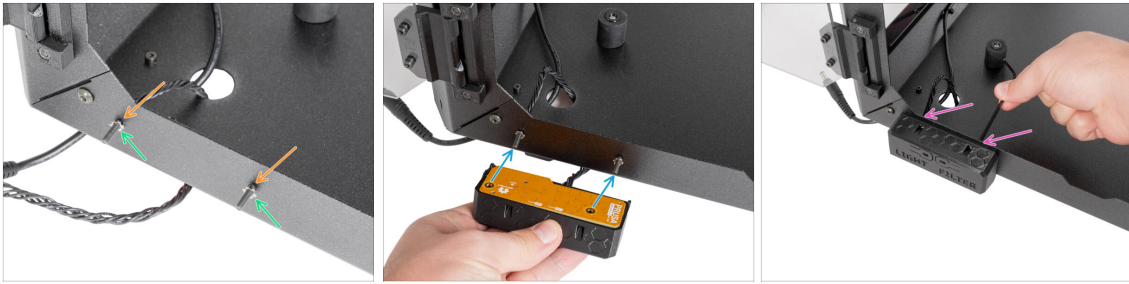
- Monta la tuerca M3nS en el tornillo M3x12. Fijala en unas roscas en la punta del tornillo.
- Empuja el tornillo con la tuerca hasta el final en el agujero de la misma forma dentro de la Cubierta de la Placa Básica.
- Retira el tornillo de la tuerca.

PASO 21 Installing the Basic Board



- Usa el mismo procedimiento para ambos huecos de la Cubierta de la Placa Básica.
- ① If you already have an **Advanced filtration system** installed, leave the filtration cable in the Basic board slot labeled FAN.
- Connect the LED cable to the Basic Board slot labeled LED.
- Place the Basic Board into the Basic Board Cover and align the holes on both parts.

PASO 22 Mounting the Basic Board



- From the inside the Enclosure, insert two M3x12 screw through the front profile.
- Coloca dos arandelas dentadas M3w en los tornillos.
- Take the Basic Board assembly and align the holes with the screws in the profile.
- Attach the Basic Board assembly to the screws and tighten the screws from the inside.

PASO 23 Connecting the Basic Board



- Connect the external PSU cable to the basic board from the left side.

PASO 24 PSU holder clarification (optional)



These steps are only for LED strip and Advanced filtration system owners only. The smaller PSU space is for those with additional PSU. Otherwise, skip to **Door hinges: parts preparation**



PSU holder is not included in the package, you will need to print it out from [Printables.com](https://www.printables.com)



Before starting printing, check what type of PSU you have!

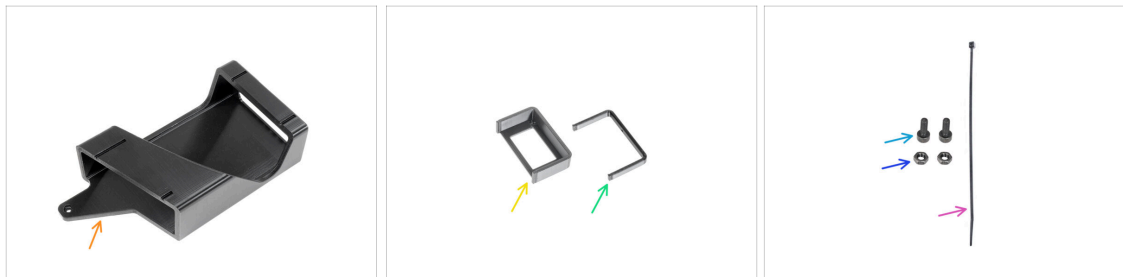


XP PSU: This PSU is larger than the Delta PSU. You will need the **PSU-holder-XP**.



Delta PSU: This PSU is smaller than the XP PSU. You will need the **PSU-holder-Delta**.

PASO 25 PSU holder: parts preparation (optional)



These steps are only for LED strip and Advanced filtration system owners only. The smaller PSU space is for those with additional Delta PSU. Otherwise, skip to **Installing the printer**



Para los siguientes pasos, por favor prepara:



PSU-holder (1x) *this part is not included in the package, you will need to print it out from [Printables.com](https://www.printables.com)*



Add-on PSU-holder-A (1x) *this part is not included in the package, you will need to print it out from [Printables.com](https://www.printables.com)*



Add-on PSU-holder-B (1x) *this part is not included in the package, you will need to print it out from [Printables.com](https://www.printables.com)*



M3x8 screw (2x)

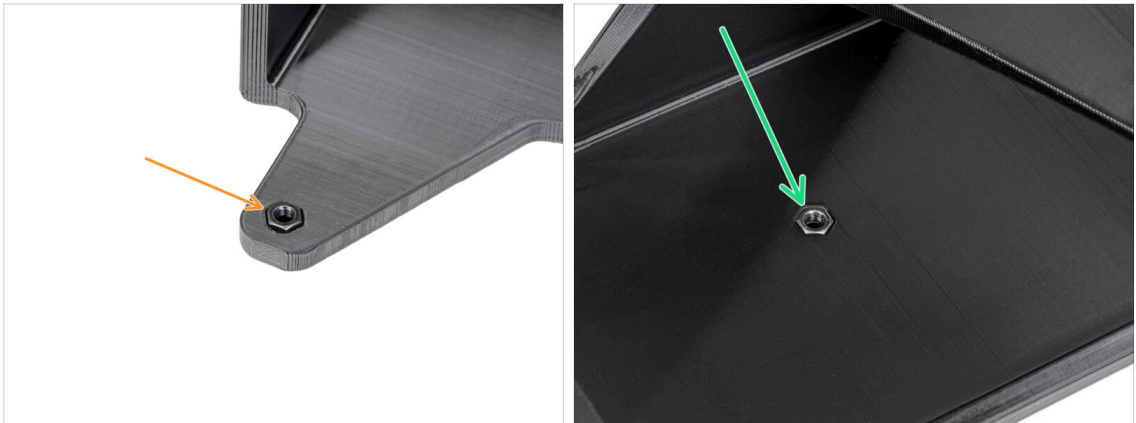


M3n nut (2x)



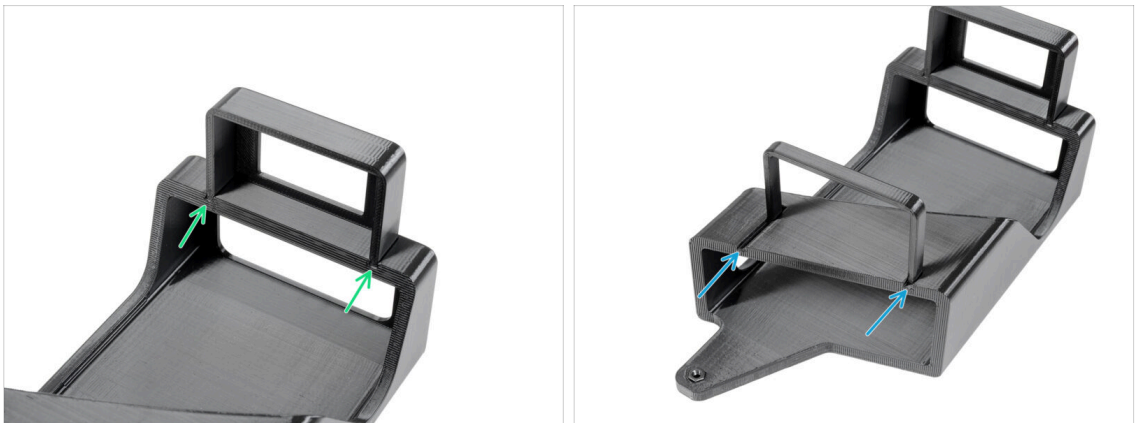
Zip-tie (1x)

PASO 26 PSU holder nut preparation (optional)



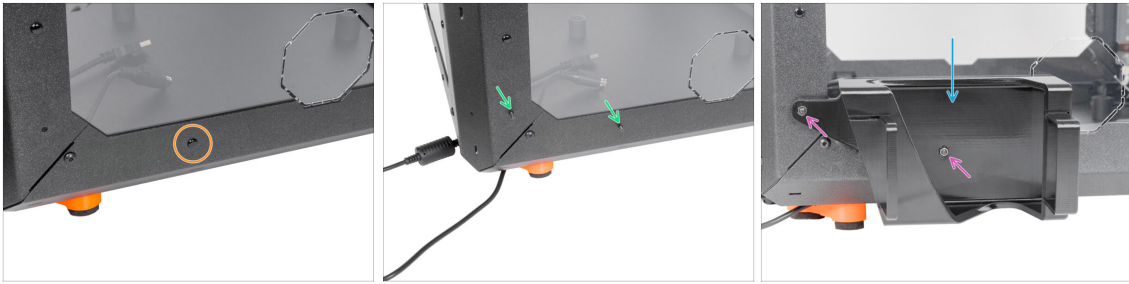
- 🟠 Insert the M3n nut into the PSU-holder.
- 🟢 Insert the M3n nut into the PSU-holder.

PASO 27 PSU holder preparation (optional)



- 📌 These steps are only for LED strip and Advanced filtration system owners only. The smaller PSU space is for those with additional Delta PSU.
- 🟢 Attach the Add-on PSU-holder-A to the rails on the PSU-holder.
- 🟢 Attach the Add-on PSU-holder-B to the rails on the PSU-holder.

PASO 28 Attaching the PSU holder (optional)



- Remove the nylon rivet on the left bottom corner.

i Hint: use a Side cutters from inside the enclosure to push the nylon rivet out

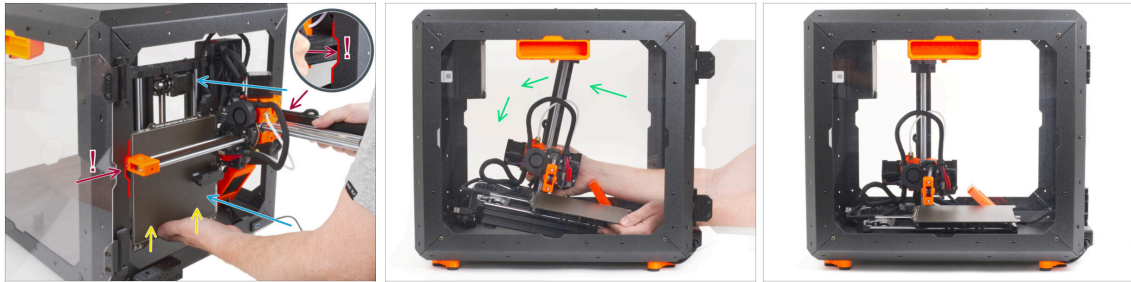
- From the inside of the enclosure, insert two M3x8 screws through the cut-outs.
- Attach the PSU-holder on the screws.
- Secure the screws from the inside.

PASO 29 Securing the PSUs (optional)



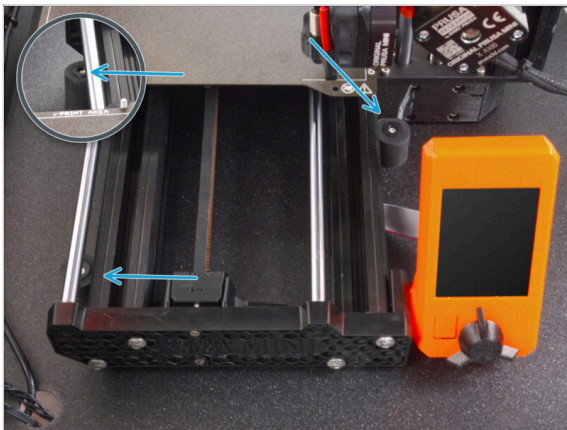
- Insert the printer PSU into the PSU-holder.
- Insert the add-on PSU into the PSU-holder.
- Secure the cables together with a zip-tie.

PASO 30 Installing the printer



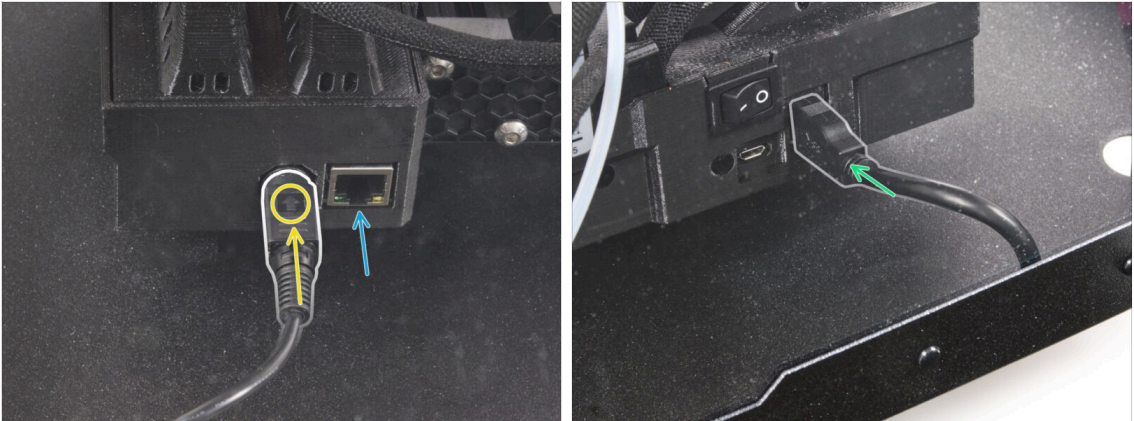
- Carefully insert the printer inside the enclosure with its base facing forward. **When doing so, be EXTRA CAREFUL to:**
 - ⚠ **Ensure the X-end and aluminum Z-axis profile pass through the right and left cutouts of the front opening. Use EXTRA CAUTION to avoid damaging the printer or enclosure.**
 - **Hold the heatbed with your left hand to prevent it from sliding down and getting damaged on the bottom plate.**
 - **During insertion, carefully watch all sides of the printer to ensure nothing is in the way (e.g., cables, motors, etc.).**
- Carefully place the printer on its feet. We will adjust the exact position later on.
 - ⚠ **Ensure that no parts of the printer touch the side panels to avoid scratches.**

PASO 31 Adjusting printer position



- Rearrange position of the printer like in the picture. The **printer must be placed between all three anti-slip dampers.**

PASO 32 Connecting the cables



- From the back of the printer, connect the PSU power cable. See the correct orientation of the cable.
- ❗ If the space is difficult to access, move the printer closer to the front, **avoiding scratches on the panels**.
- If necessary, connect an ethernet cable, which is optional.
- Connect the USB extension cable from the right side of the printer.

PASO 33 Montaje del brazo lateral



- Inserta el brazo lateral en la pieza Spool-holder-r y gira en sentido contrario de las agujas del reloj para bloquearla.

PASO 34 That's it

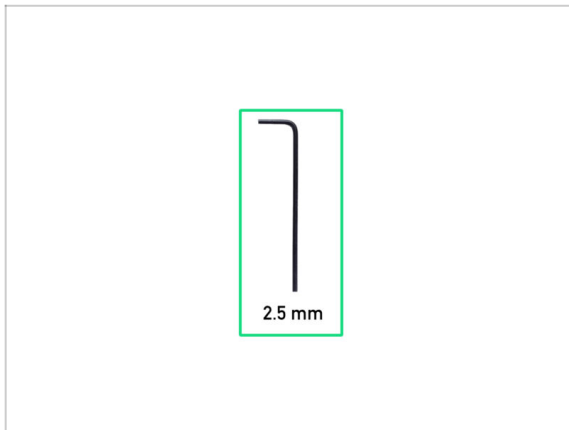


- ◆ That's it! Well done. You have successfully installed the LED panel in your Original Prusa MINI Enclosure. Now let's put it to the test.
- ◆ On the Basic board cover, press the *LIGHT* button.

Sistema de Extinción de Incendios (complemento)



PASO 1 Herramientas necesarias para este capítulo



● Para este capítulo, prepara por favor:

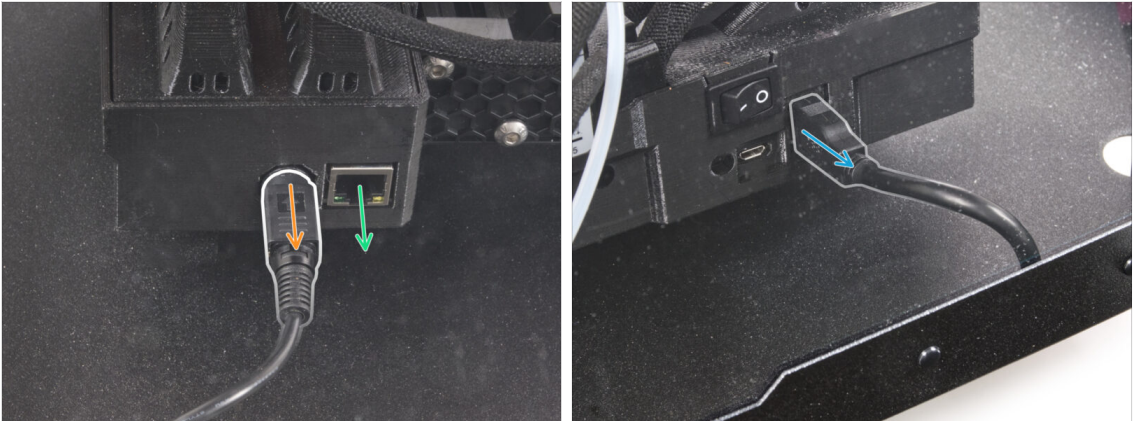
● 2.5mm Allen key

PASO 2 Desmontaje del brazo lateral



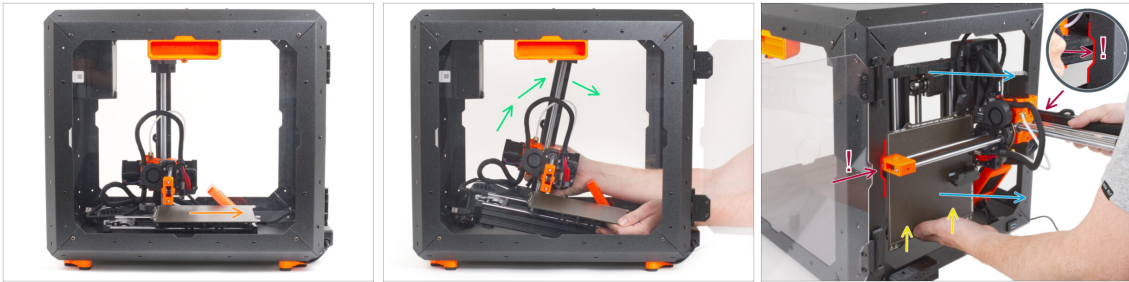
● Grasp the Spool-holder-r and turn clockwise to unlock it and remove it from the MINI Enclosure.

PASO 3 Disconnecting the cables



- Pull the power cord handle towards you to release and disconnect the power cord from the back of the printer.
- ① If the space is difficult to access, move the printer closer to the front, **avoiding scratches on the panels**.
- If necessary, disconnect an ethernet cable.
- Disconnect the USB extension cable from the right side of the printer.

PASO 4 Uninstalling the printer



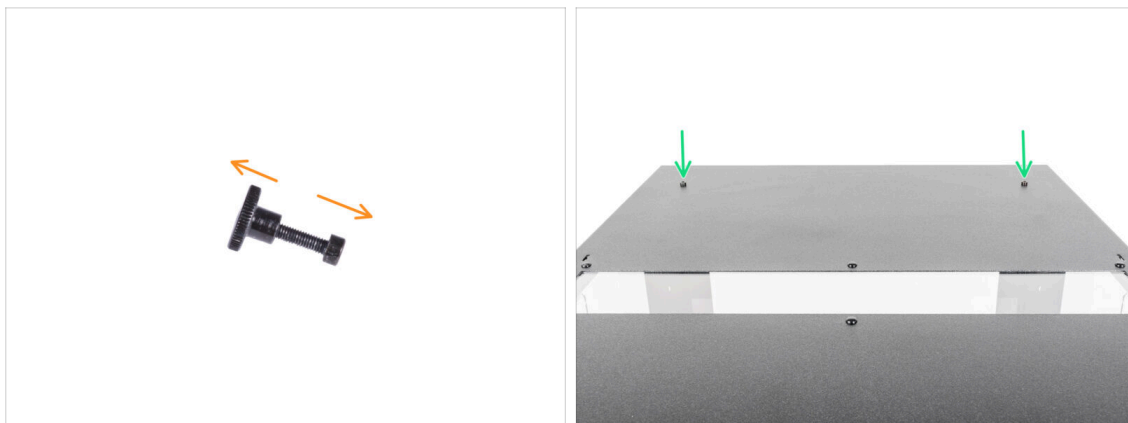
- From the front side of the MINI Enclosure:
- Move the heatbed towards you.
- Carefully take the printer.
- Carefully pull the printer out of the MINI Enclosure with the base facing backwards. **Be EXTRA CAREFUL when doing this:**
 - ⚠ **Ensure the X-end and aluminum Z-axis profile pass through the right and left cutouts of the front opening. Use EXTRA CAUTION to avoid damaging the printer or enclosure.**
 - Hold the heatbed with your left hand to prevent it from sliding down and getting damaged on the bottom plate.
 - During pulling out the printer, look carefully at all sides of the printer to ensure that nothing is in the way (e.g., cables, motors, etc.).
 - ⚠ **Ensure that no parts of the printer touch the side panels to avoid scratches.**
- Put the printer aside.

PASO 5 Fire suppression system: parts preparation



- Para los siguientes pasos, por favor prepara:
- P-clamp (2x)
- Conjunto de tuerca M3 (2x) *la tuerca con el tornillo M3x12*
- Tubo del Sistema de Extinción de Incendios (1x) *tipo: Sistema T033E BlazeCut T Series Fire Suppression 1 con un manómetro*
- ⚠ **Manipula el tubo con cuidado para evitar daños.**

PASO 6 Mounting the P-clamp



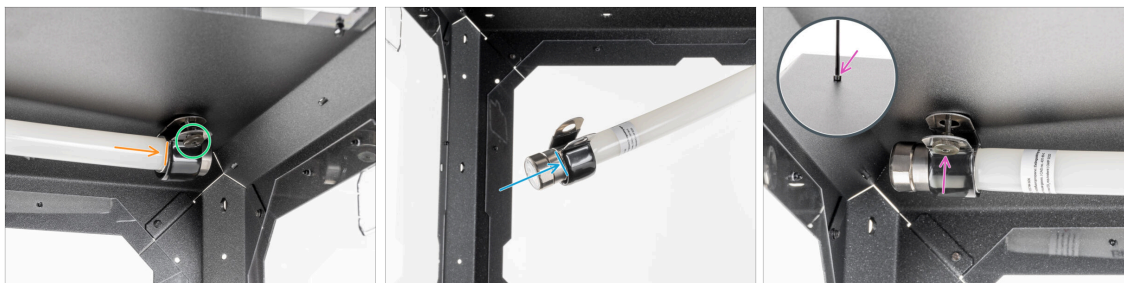
- Desatornilla los dos tornillos M3x12 de las tuercas.
- Locate two holes on the rear side of the top panel and insert the M3x12 screws into both holes.

PASO 7 Mounting the P-clamp



- Desde el interior, localiza los tornillos M3x12 insertados en el lado derecho del panel superior.
- Inserta la tuerca en la abrazadera en P. Observa la orientación correcta de ambas piezas.
- Fija la tuerca de la abrazadera en P al tornillo M3x12 del panel superior. Aprieta el tornillo utilizando la llave Allen de la parte superior con la otra mano. **¡No aprietes ahora el tornillo!** Unas vueltas son suficientes. Lo apretaremos más tarde.

PASO 8 Instalando el sistema automático de supresión



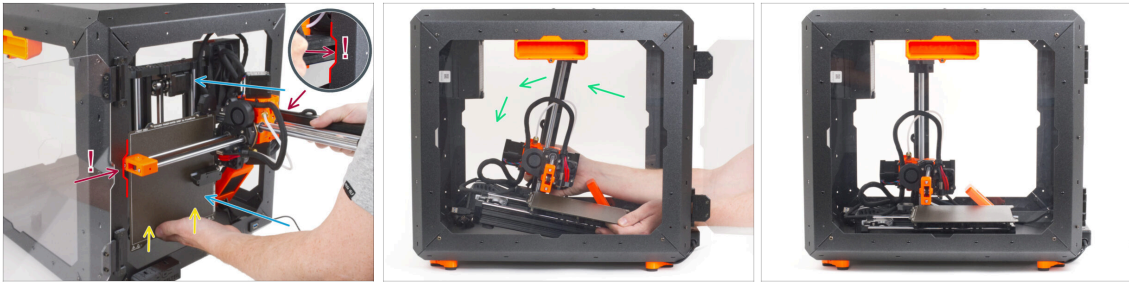
- Introduce el extremo metálico del tubo en la abrazadera en P.
- ① Si resulta difícil introducir el tubo en la abrazadera en P, afloja un poco la tuerca. **¡Pero ten cuidado de no dejar caer la abrazadera en P!**
- Asegúrate de que la tuerca es accesible desde la parte delantera.
- Desde el otro lado del tubo, desliza la segunda abrazadera en P sobre la parte metálica del tubo. Ten en cuenta la posición correcta de la abrazadera en P.
- Fija la tuerca de la abrazadera en P al tornillo M3x12 del panel superior. Aprieta el tornillo utilizando la llave Allen de la parte superior con la otra mano - unas vueltas son suficientes. Lo apretaremos más tarde.

PASO 9 Asegurando el sistema automático de supresión



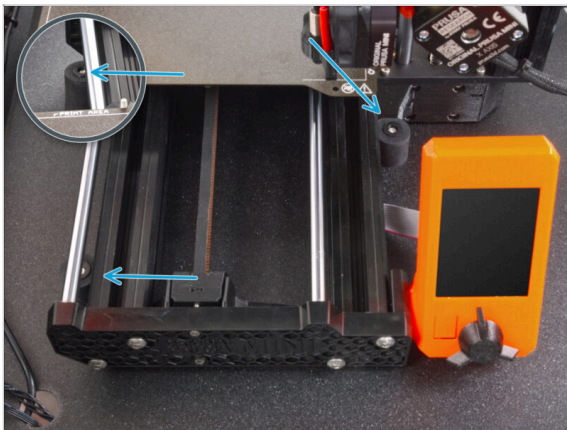
- Alinea el tubo en las abrazaderas en P. Debe sobresalir un trozo igual de sección de tubo por cada lado.
- Aprieta completamente las abrazaderas en P.

PASO 10 Installing the printer



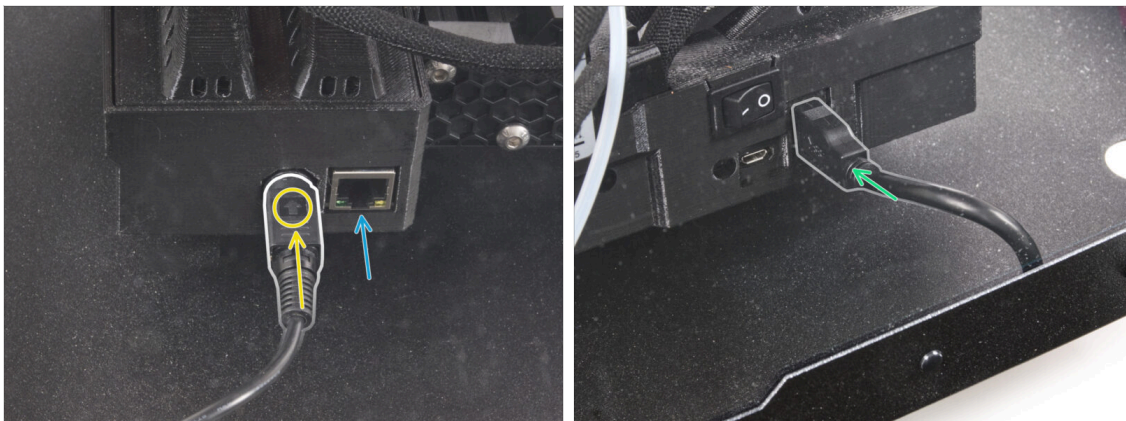
- Carefully insert the printer inside the enclosure with its base facing forward. **When doing so, be EXTRA CAREFUL to:**
 - ⚠ **Ensure the X-end and aluminum Z-axis profile pass through the right and left cutouts of the front opening. Use EXTRA CAUTION to avoid damaging the printer or enclosure.**
 - **Hold the heatbed with your left hand to prevent it from sliding down and getting damaged on the bottom plate.**
 - **During insertion, carefully watch all sides of the printer to ensure nothing is in the way (e.g., cables, motors, etc.).**
- Carefully place the printer on its feet. We will adjust the exact position later on.
 - ⚠ **Ensure that no parts of the printer touch the side panels to avoid scratches.**

PASO 11 Adjusting printer position



- Rearrange position of the printer like in the picture. The **printer must be placed between all three anti-slip dampers.**

PASO 12 Connecting the cables



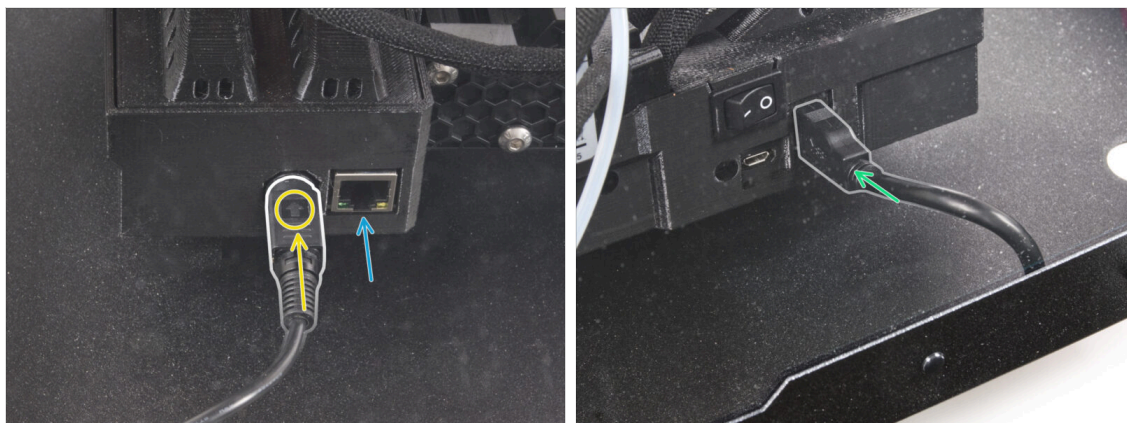
- From the back of the printer, connect the PSU power cable. See the correct orientation of the cable.
- ❗ If the space is difficult to access, move the printer closer to the front, **avoiding scratches on the panels**.
- If necessary, connect an ethernet cable, which is optional.
- Connect the USB extension cable from the right side of the printer.

PASO 13 Montaje del brazo lateral



- Inserta el brazo lateral en la pieza Spool-holder-r y gira en sentido contrario de las agujas del reloj para bloquearla.

PASO 14 Connecting the cables



- ✦ From the back of the printer, connect the PSU power cable. See the correct orientation of the cable.
- ❗ If the space is difficult to access, move the printer closer to the front, **avoiding scratches on the panels**.
- ✦ If necessary, connect an ethernet cable, which is optional.
- ✦ Connect the USB extension cable from the right side of the printer.

PASO 15 That's it



- ✦ That's it! Well done. You have successfully installed the Fire Suppression System in your Original Prusa MINI Enclosure.

Mechanical lock (add-on)



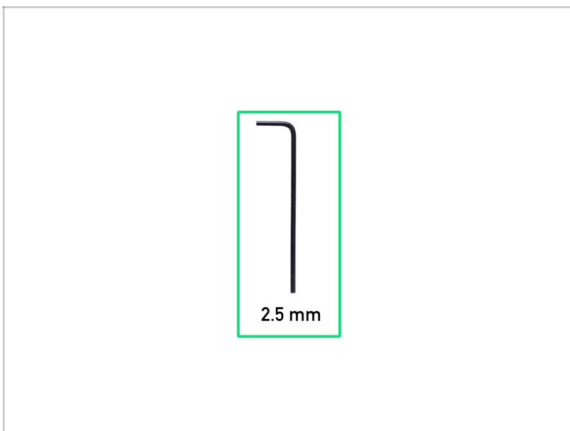
PASO 1 Introduction



■ This guide will take you through the installation of the **Mechanical lock** on the **Original Prusa MINI Enclosure**.

ⓘ Los elementos de fijación suministrados contienen piezas de repuesto adicionales.

PASO 2 Herramientas necesarias para este capítulo



■ Para este capítulo, prepara por favor:

■ 2.5mm Allen key

PASO 3 Additional tools

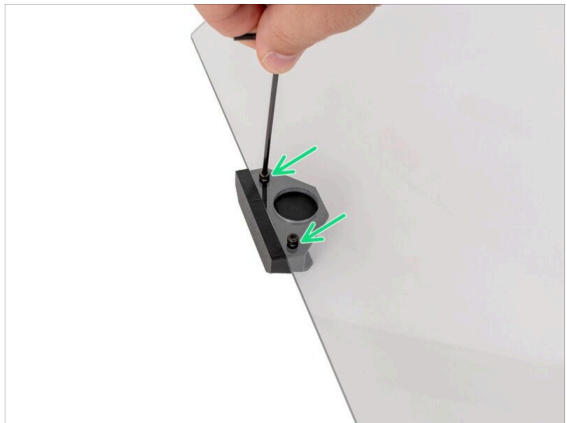
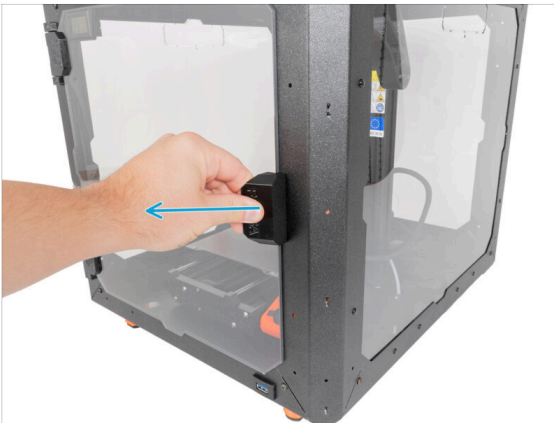


i Tools that are not included but can make assembly easier, especially when installing add-ons.

Additional tools:

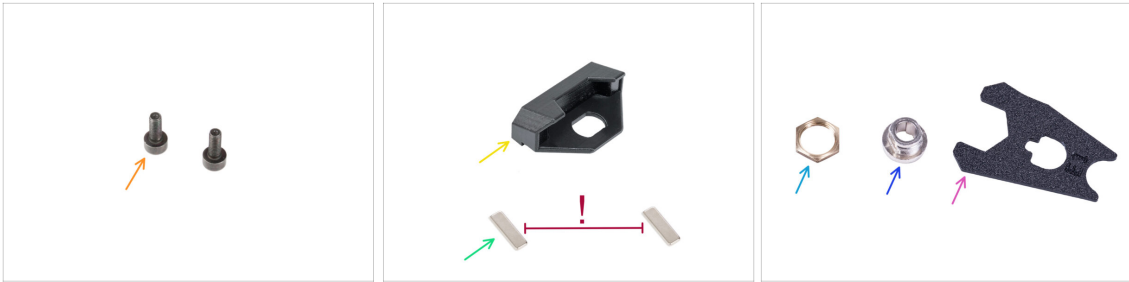
Needle-nose pliers for securing the E-clip washer

PASO 4 Desmontaje del asa de la puerta



- Open the door.
- On the door panel, remove two M3x8 screws securing the door-handle and remove it from the panel. **Don't throw the screws away!**
- Nice, we are ready to assembly the mechanical lock.

PASO 5 Mechanical lock: parts preparation



● Para los siguientes pasos, por favor prepara:

● M3x8 screw (2x) *removed in the previous step*

● MINI Enclosure Door Handle (1x)

● Magnet 20x6x2 (2x)

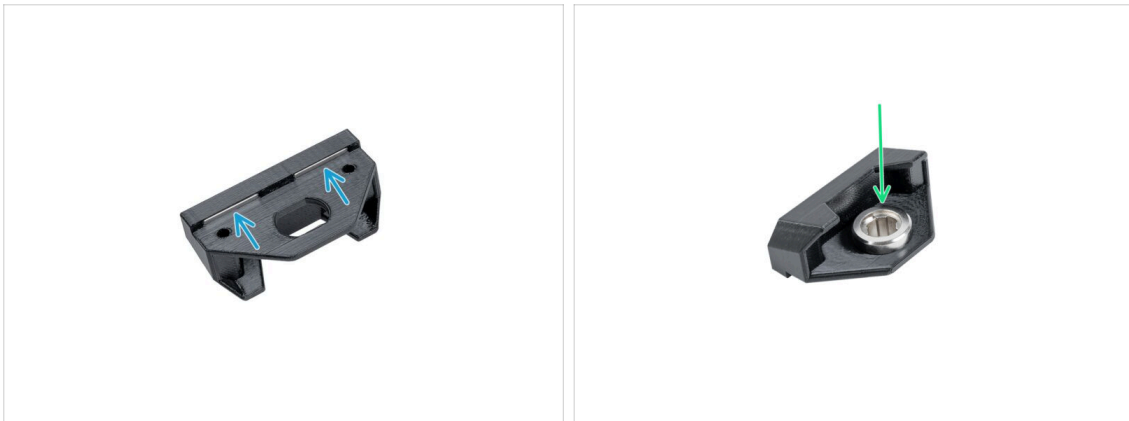
⚠ **Keep the magnets apart in a sufficient distance. They can break each other!**

● Tuerca de la carcasa de la cerradura (1x)

● Lock housing (1x)

● Lock wrench (1x)

PASO 6 Montaje de la carcasa de la cerradura



● Insert two magnets all the way into two pockets in the door handle.

ⓘ The polarity of the magnets doesn't matter.

● Turn the door handle.

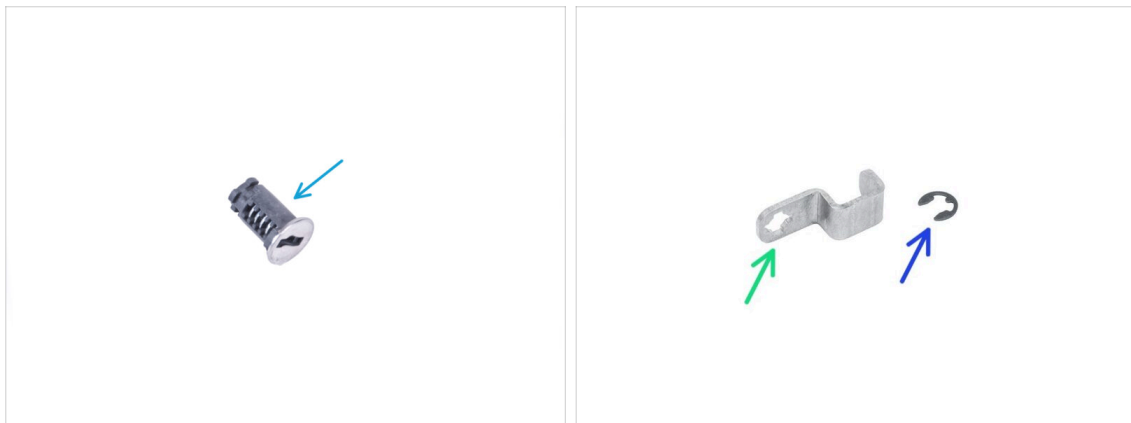
● Insert the lock housing into the same shape opening in the door handle.

PASO 7 Securing the lock housing



- From the opposite side:
- Insert the nut onto the lock housing.
- Asegura el alojamiento de la cerradura apretando la tuerca del alojamiento de la cerradura. Utiliza la llave para facilitar el apriete.
- Attach the door handle on the door panel and secure it with two M3x8 screws.

PASO 8 Montando el mecanismo de cierre: preparación de las piezas



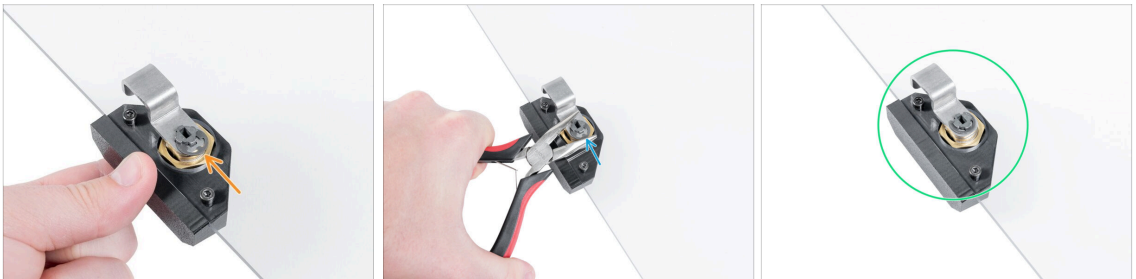
- Para los siguientes pasos, por favor prepara:
- Lock (1x)
- Palanca de la cerradura (1x)
- E-clip washer (1x)

PASO 9 Montaje del mecanismo de cierre



- ✚ Insert the Lock into the lock mount.
- ⬛ Hold the Lock in the Lock mount with your hand and turn the door panel.
- ✚ Attach the mechanical Lock Lever to the Lock as shown in the picture. The lock lever must face upwards.

PASO 10 Securing the lock mechanism



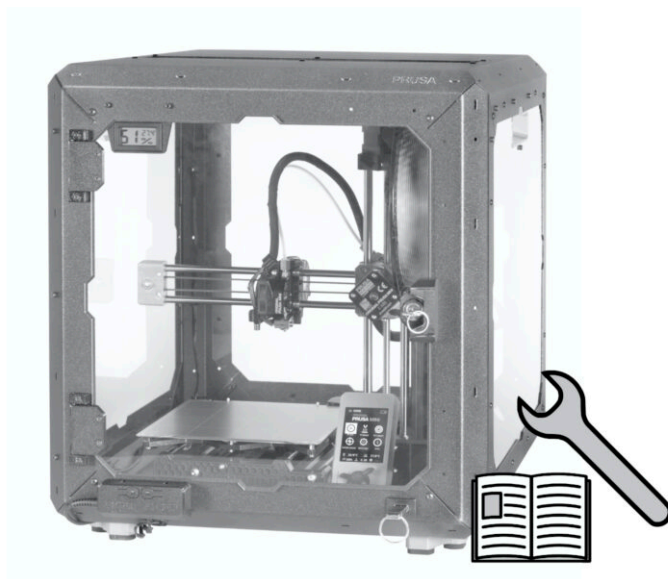
- ✚ Place E-clip washer on the Mechanical Lock Lever against the lock.
- ⬛ Using Needle-nose pliers, push the E-clip washer on the lock to secure the lock mechanism.
- ✚ The Mechanical Lock is ready. Compare the picture with your Mechanical Lock.

PASO 11 Good job!



- Perfect! You just successfully assembled the Mechanical lock on your Original Prusa MINI Enclosure. Let's try it out!

Registro de cambios del Manual del kit de MINI Enclosure



This image shows a full page of blank, lined paper. It features approximately 20 evenly spaced horizontal grey lines across the entire width of the page, providing a guide for handwriting or typing. The background is a clean, solid white color.

This image shows a full page of blank, lined paper. It features approximately 20 evenly spaced horizontal grey lines across the entire width of the page, providing a guide for handwriting or typing. The background is a clean, solid white color.

[illegible]

