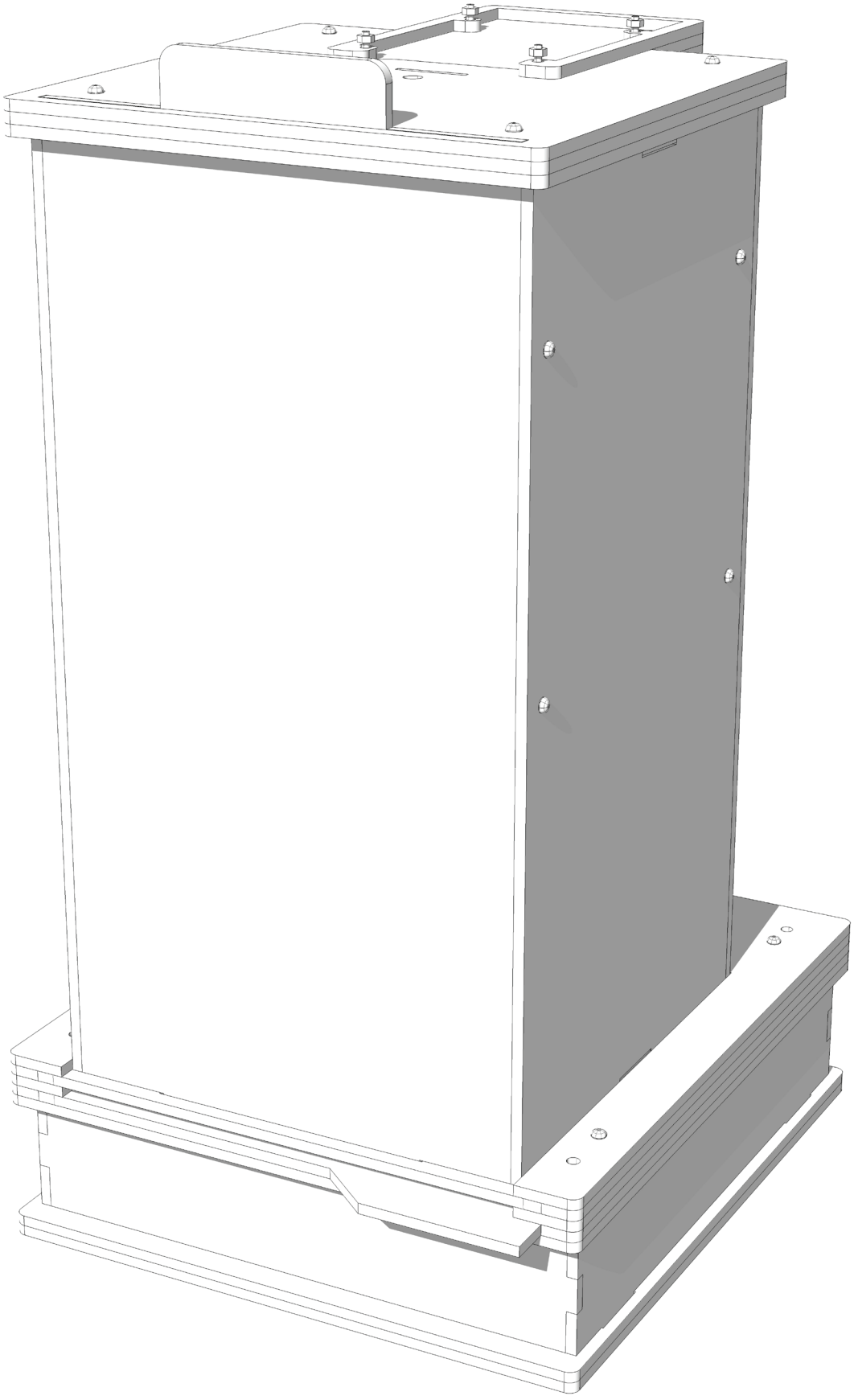
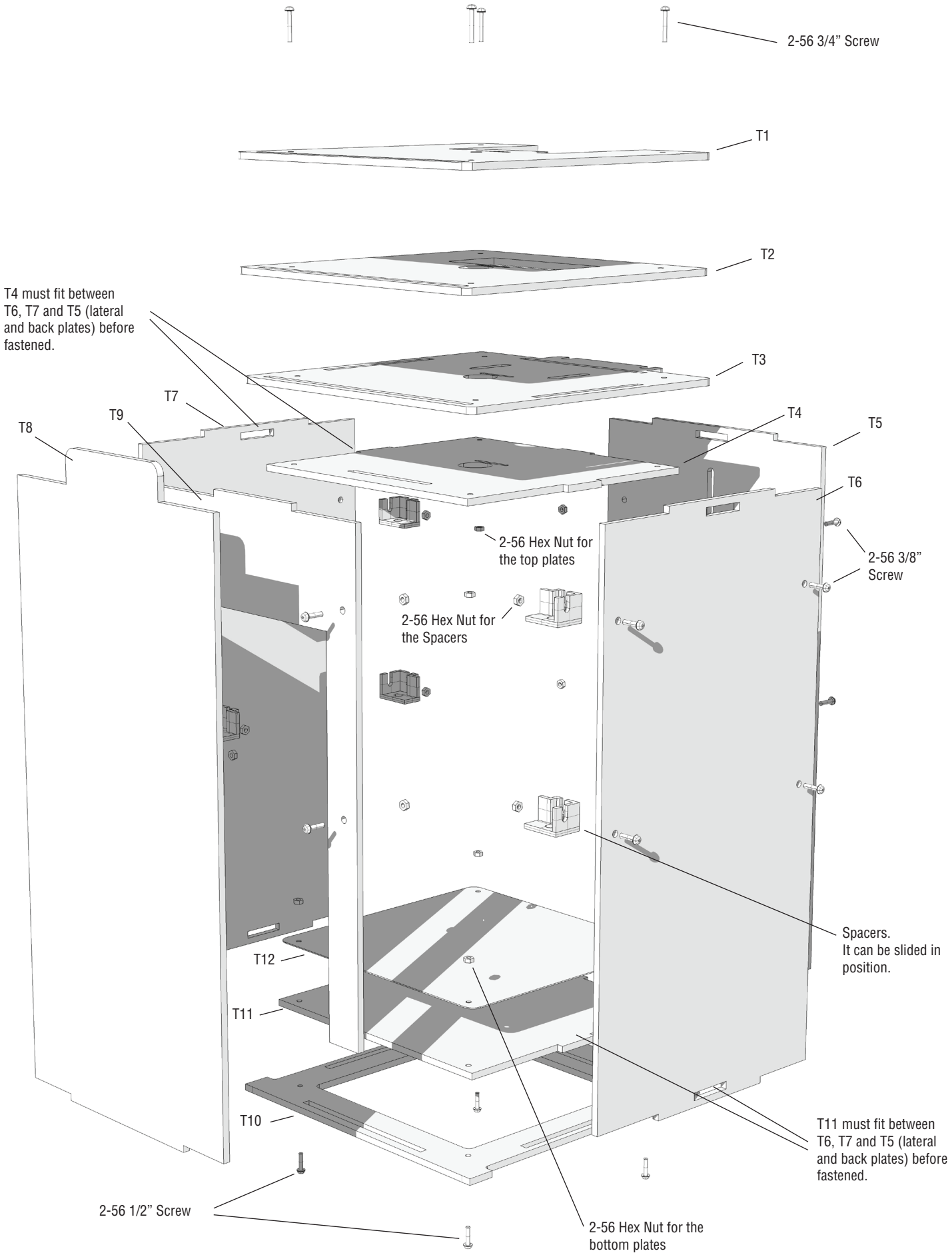


Fluorescens Time-Lapse Imaging Station

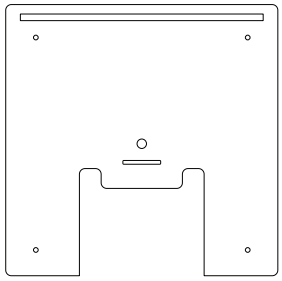
Assembly Instructions

Top Module Assembly



Top Module Parts 1:4

T1



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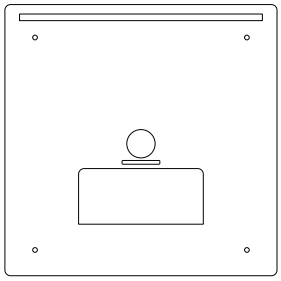

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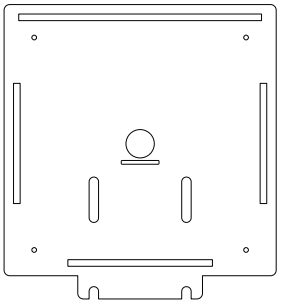

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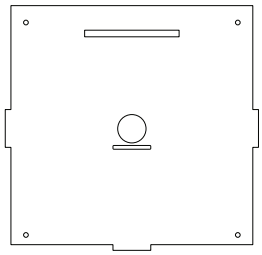

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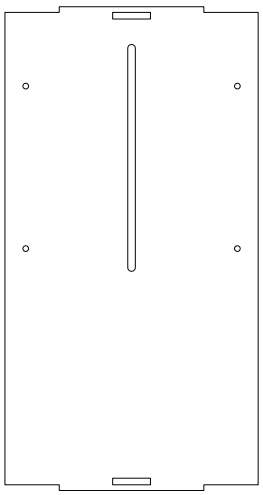

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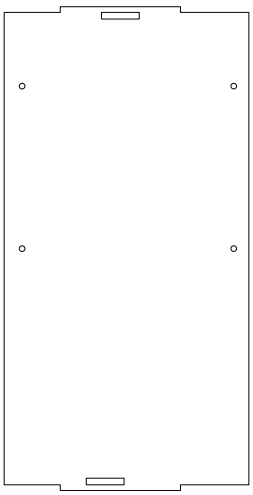

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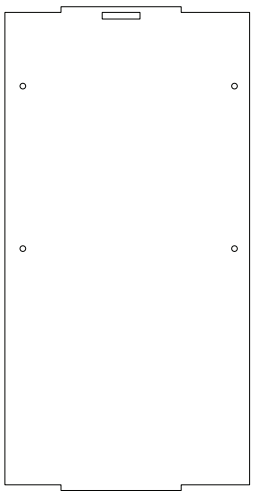
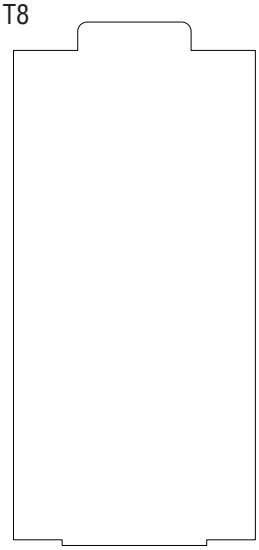
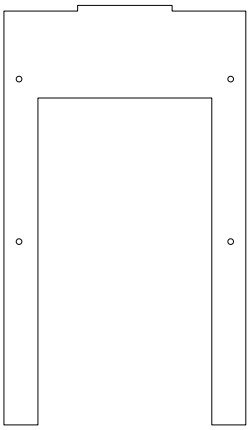


T8



T9



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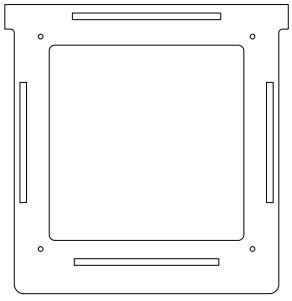

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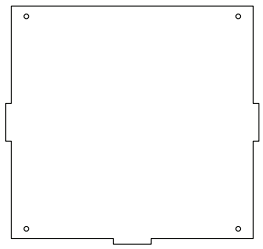

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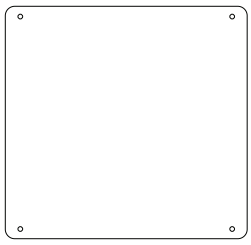
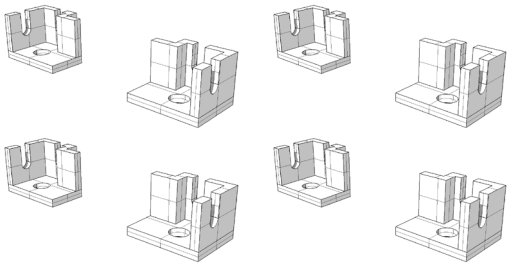
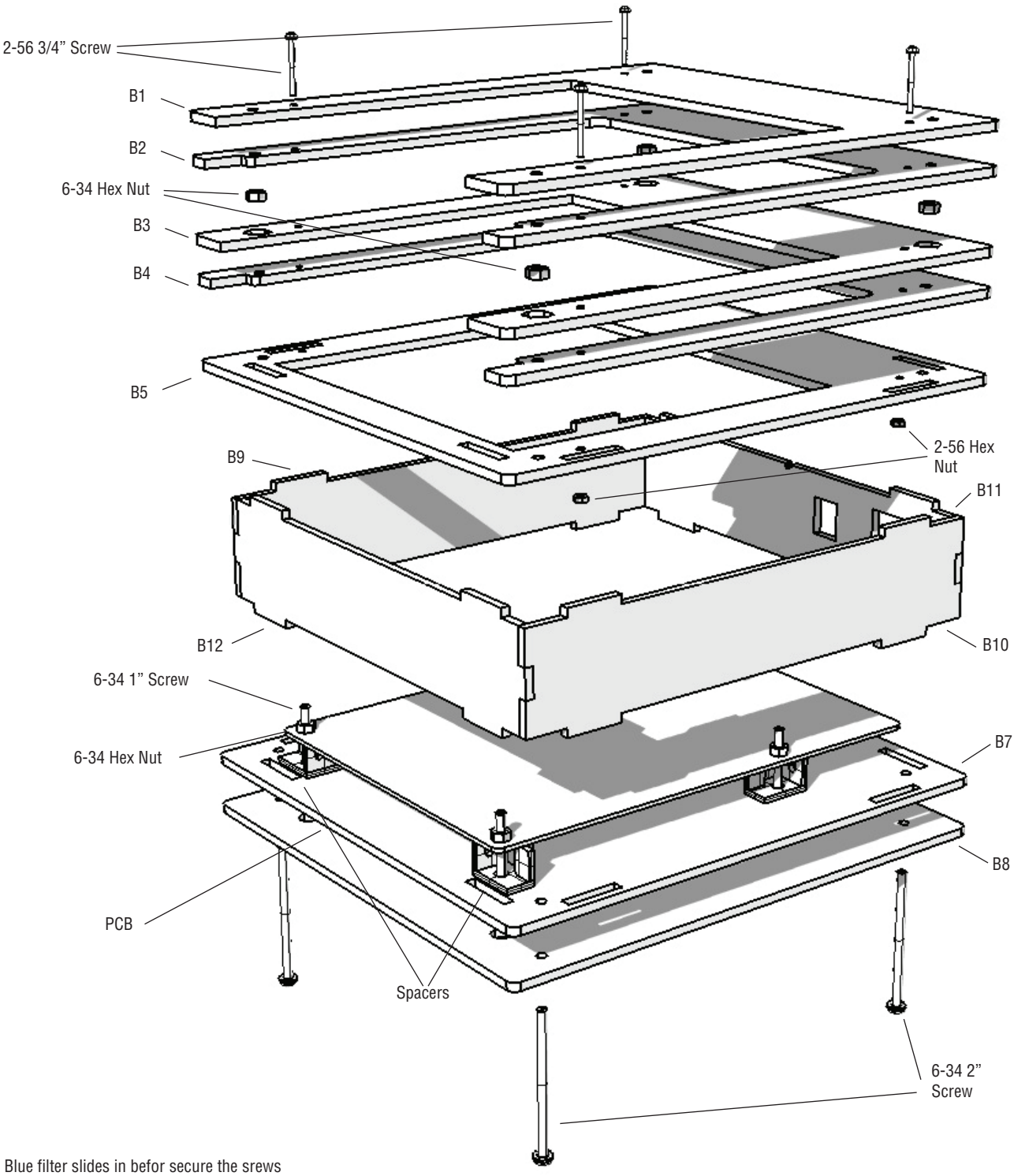


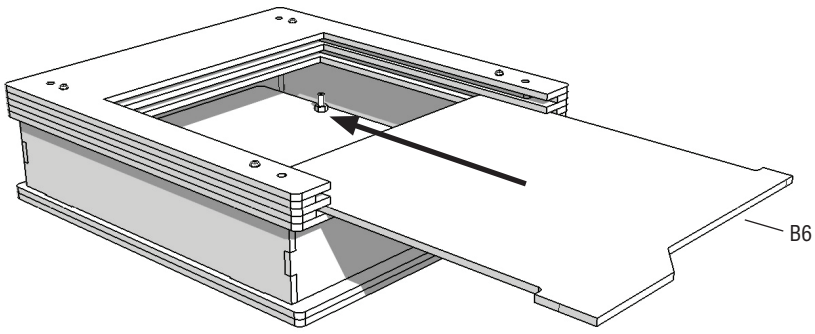
Spacers



Bottom Module Assembly

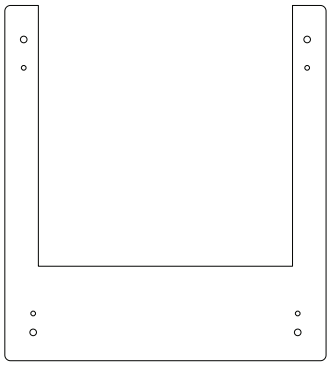


Blue filter slides in befor secure the srews

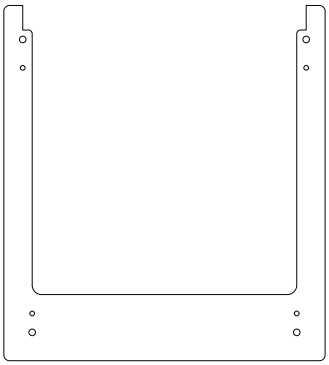


Bottom Module Parts 1:4

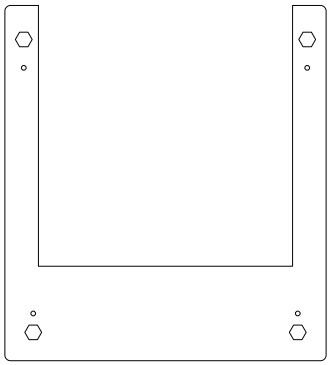
B1



B2



B3



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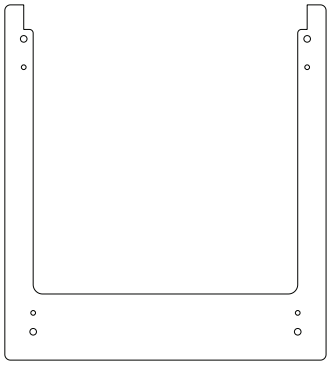

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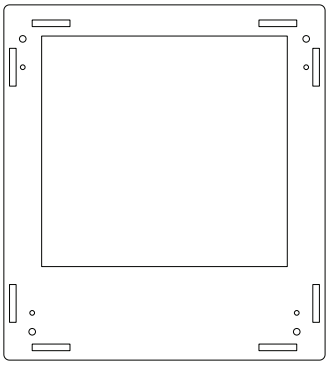

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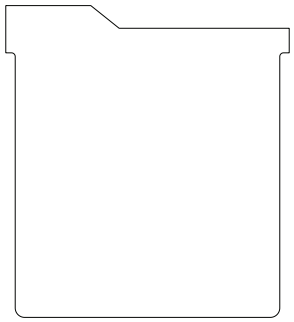
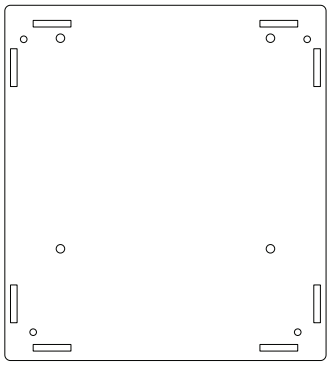


B7



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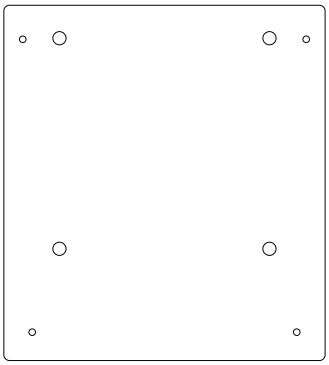
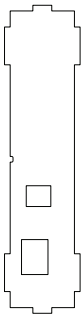


B9

B10

B11



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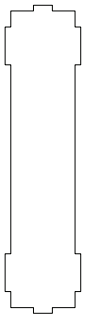
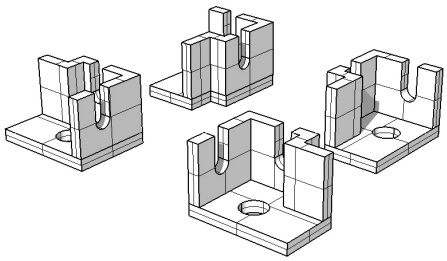
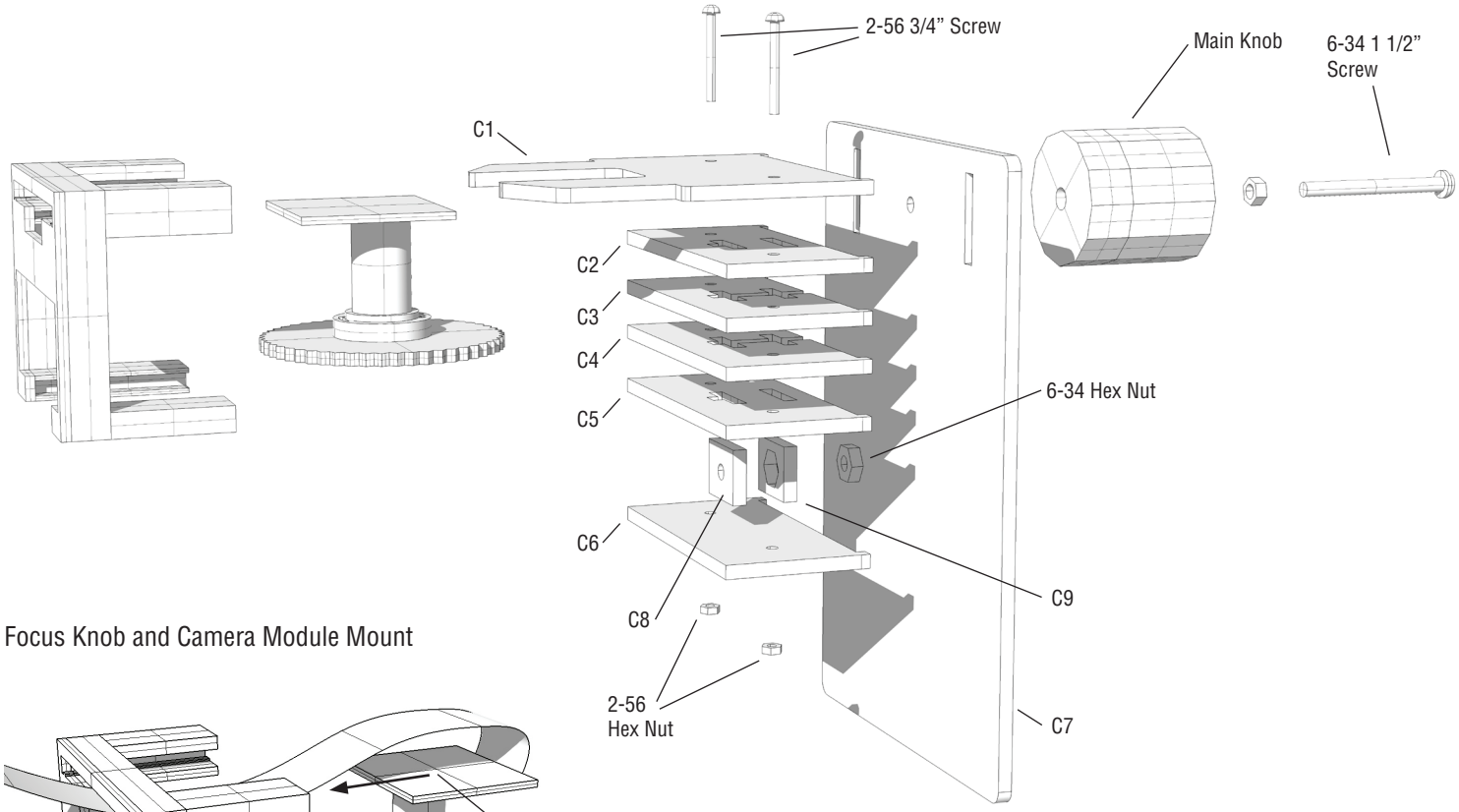


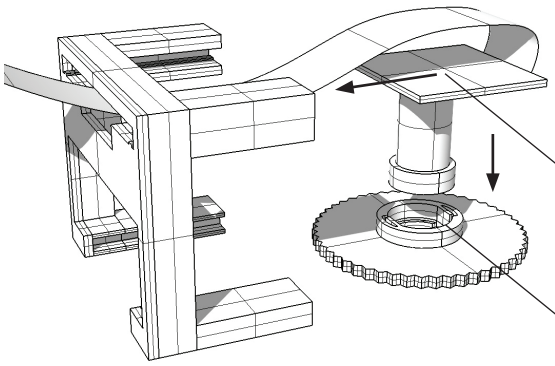
Spacers



Camera Bed Assembly



Focus Knob and Camera Module Mount



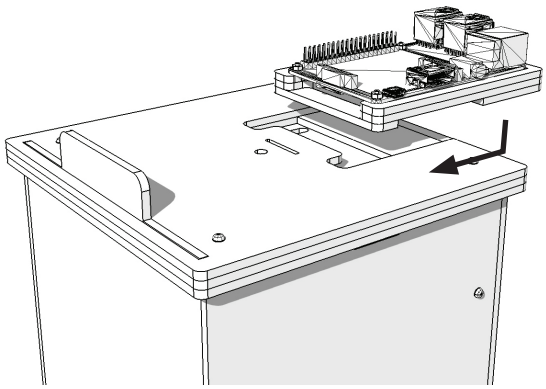
Bend the ribbon cable and slide through the front solth in the adaptor. Push the camera board in the sloths on the inside of the adator until it's secured.

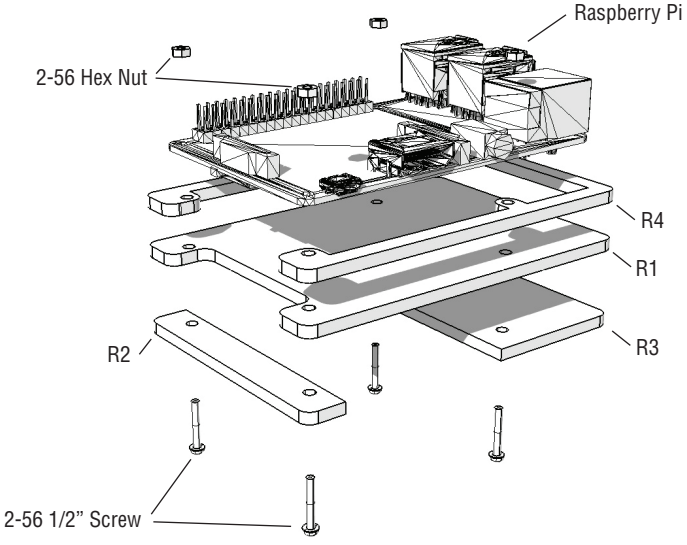
Place a dot of super glue (cyanoacrylate) on the inner surface of the knob. Then, push the camera in place and hold.

Raspberry Pi Adaptor Assembly

Mounting of the adaptor

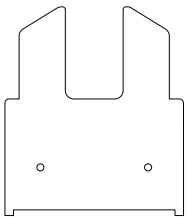
Place the adaptor on the sloth on the top module and slide it forward until it's firmly attached.



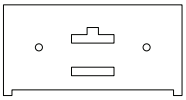


Camera Bed Parts 1:2

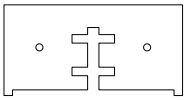
C1



C2



C3



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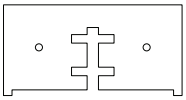

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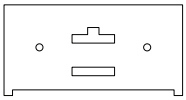
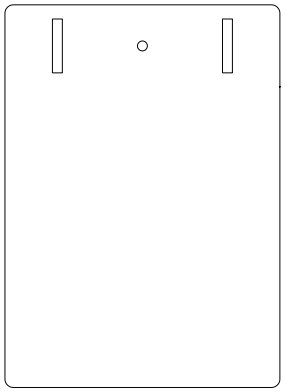


C6

C7

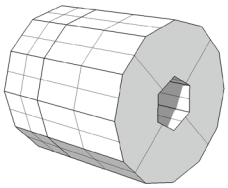


C8

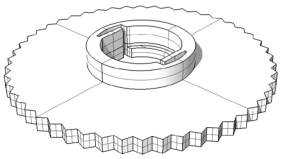
C9

C10

Main Knob

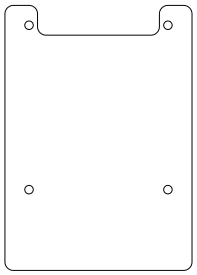


Focus Knob



Raspberry Pi Adaptor Parts 1:2

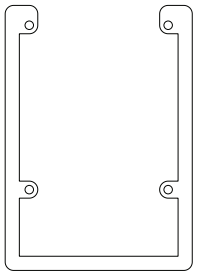
R1



R2

R3

R4



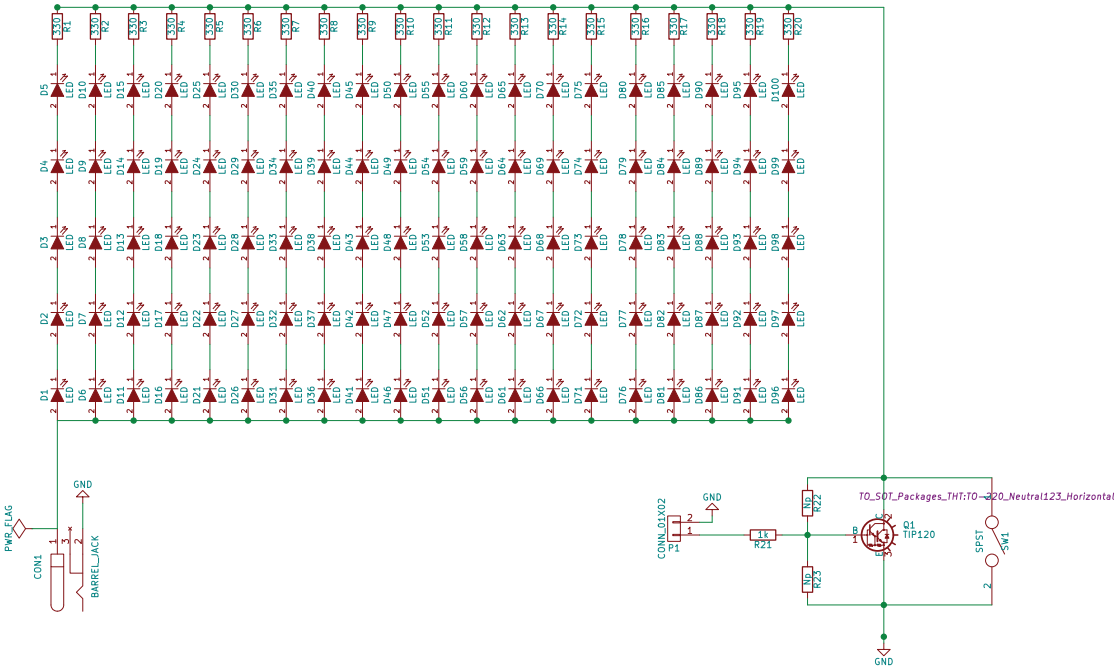
Bill of Materials

Fasteners	Cantidad
6-34 2"	4
6-34 1"	4
6-34 Hex Nut	9
2-56 3/4"	6
2-56 3/8"	20
2-56 Hex Nut	20

Elecronics	Cantidad
Resitors 330 Ohm	20
Resitors 1 Kohm	1
Blue Leds	100
TIP-122	1
5.5 mm Barrel Jack Connector	1
Rocker Switch SPST 18.5x14 mm cutout	1
Pins Header Connector Male	6
Pins Header Connector Fem	6
Electric Cable	1 Roll

PCB

Schematics



PCB Design