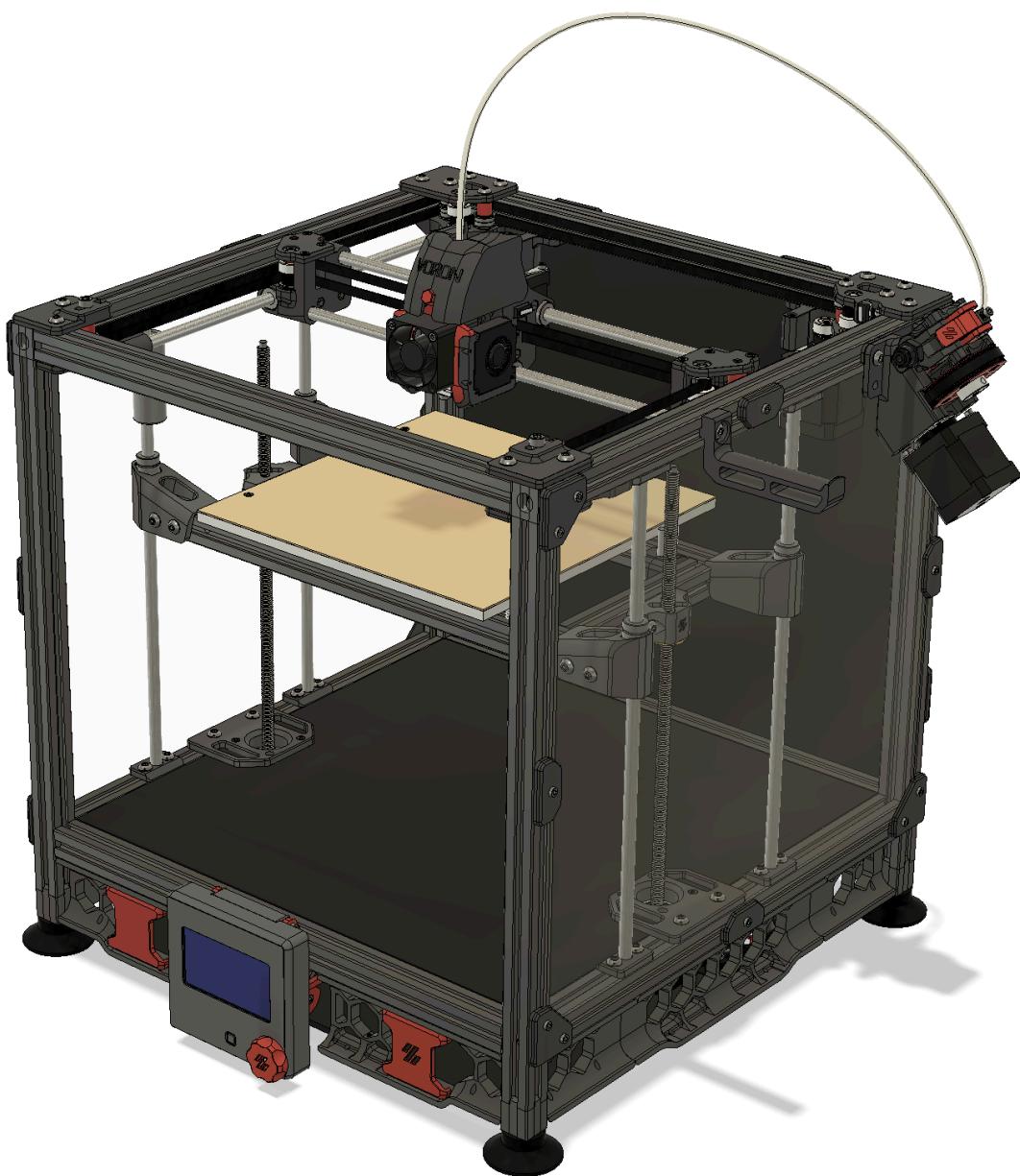




VORON1
v1.6

Assembly Manual



Manual Rev: B



Review the entire manual before beginning assembly

Use common sense when assembling the printer

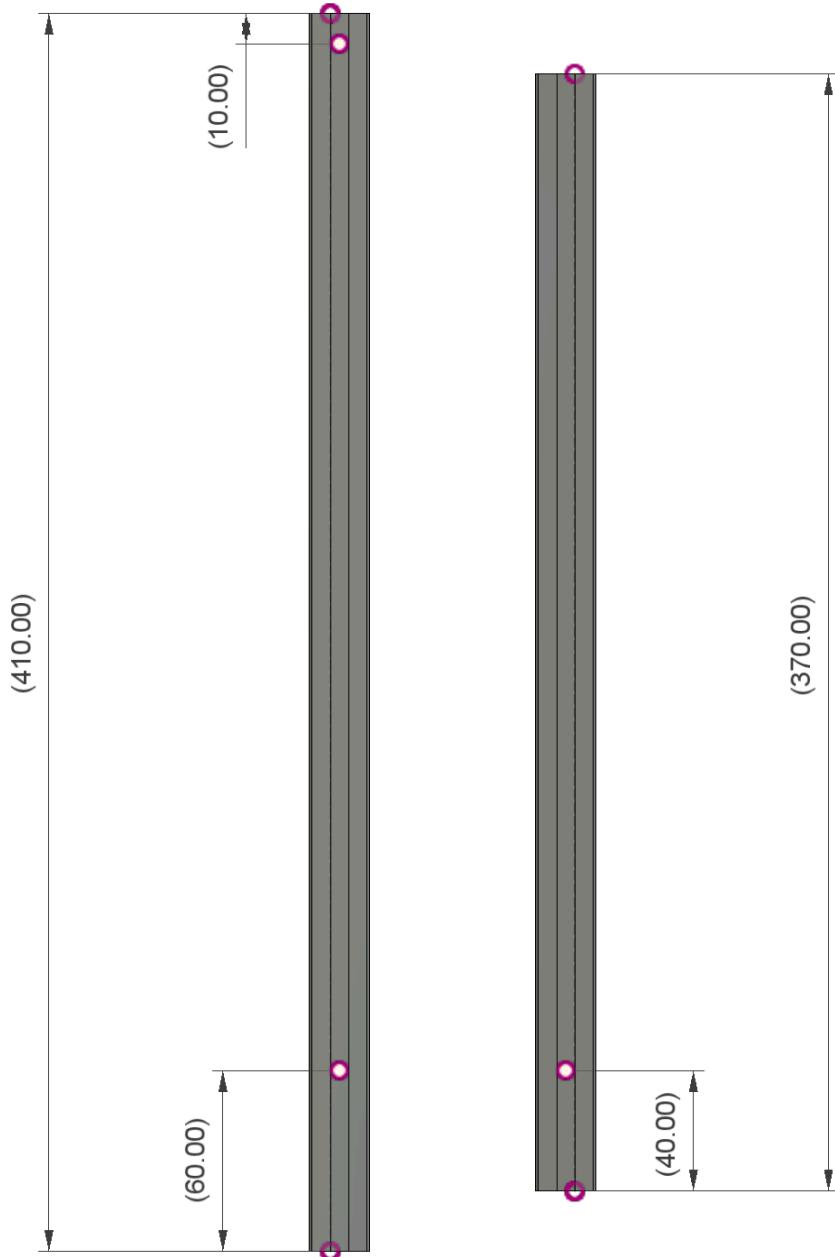
When in doubt, **ask questions**

... and good luck

Vertical Frame Extrusions

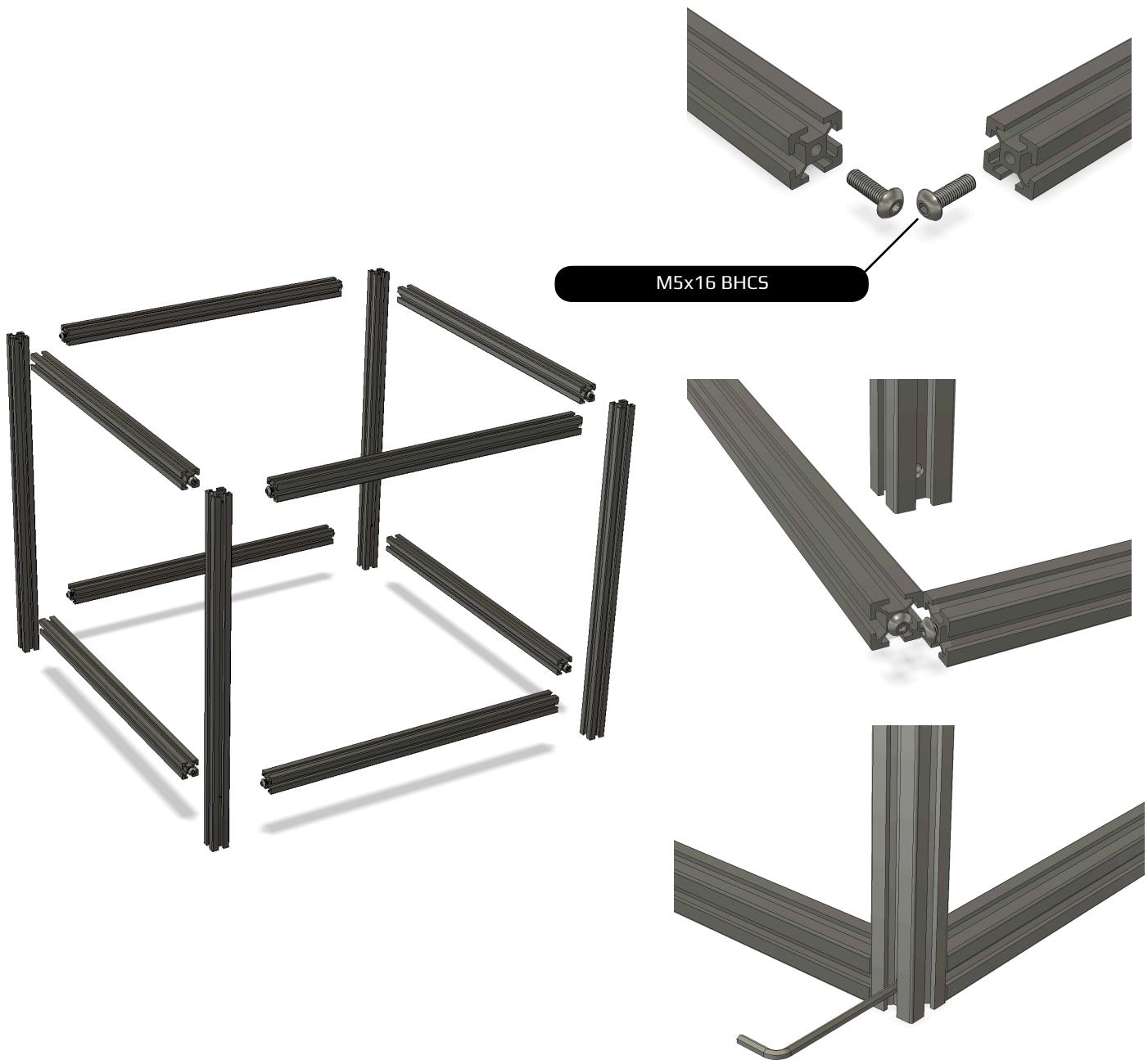
V1.6 Stock

V1.x Upgrade



Frame

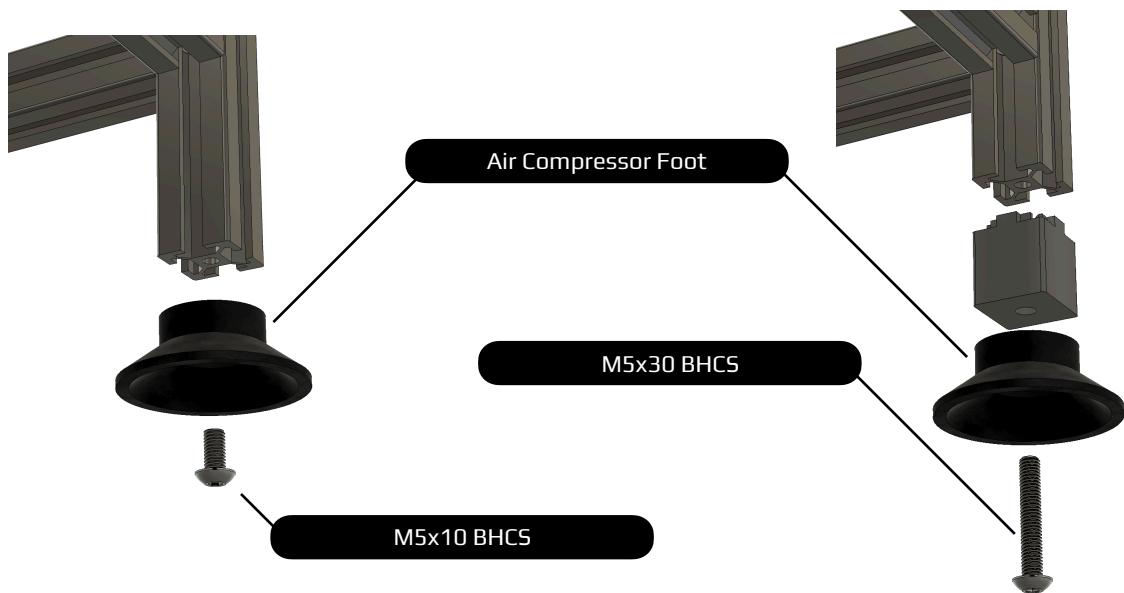
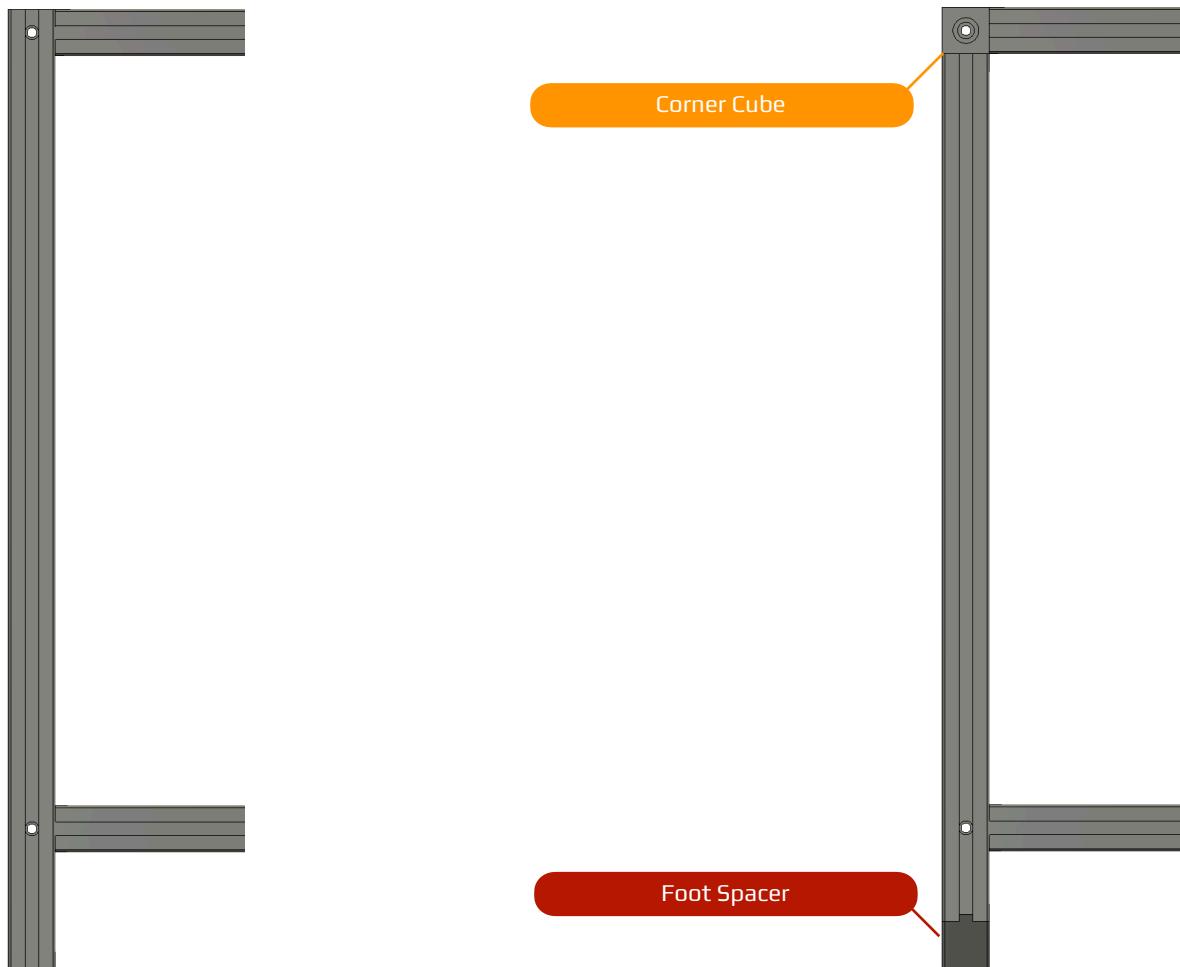
Blind Joint



Frame

V1.6 Stock

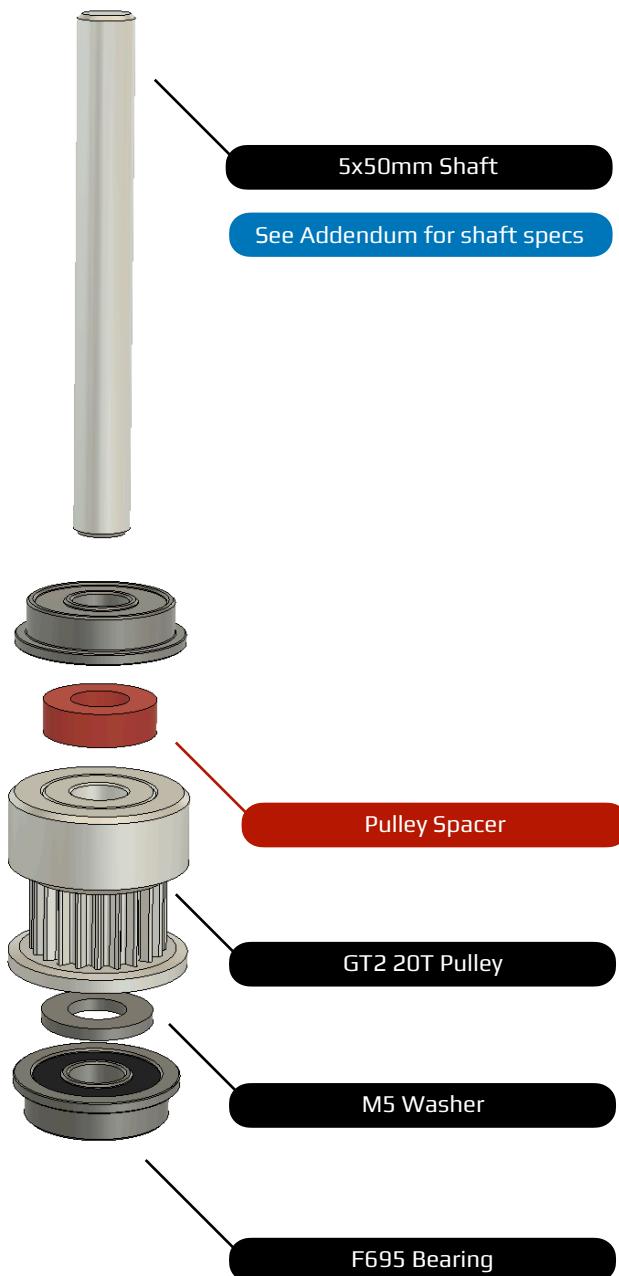
V1.x Upgrade





A / B Drive Units

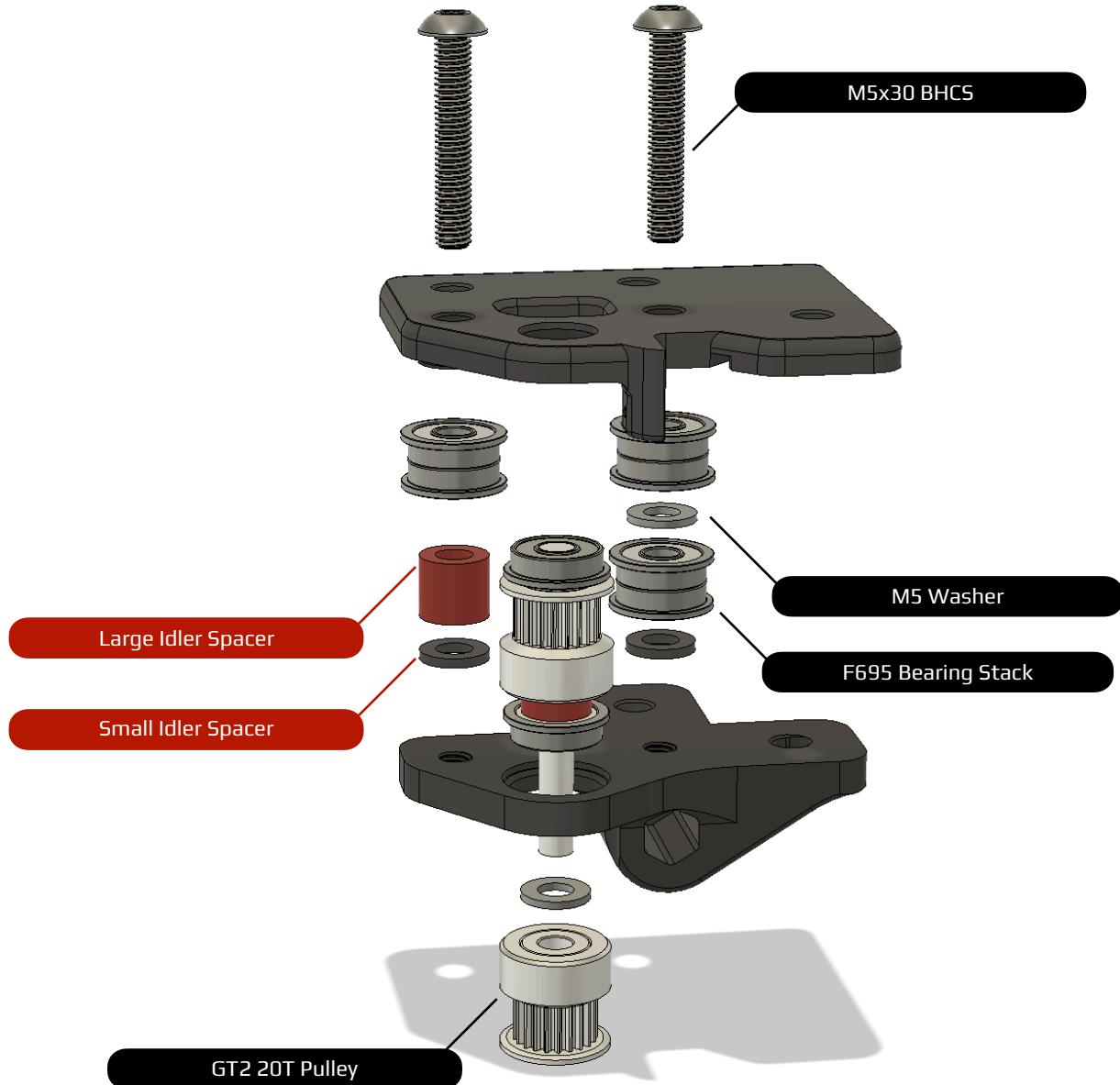
B Driveshaft



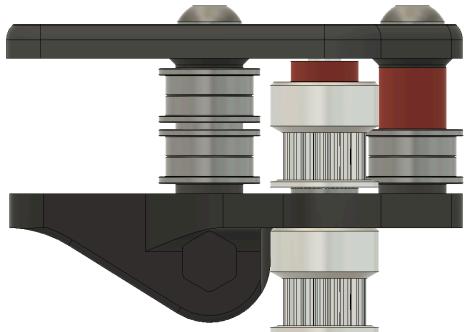
A Driveshaft



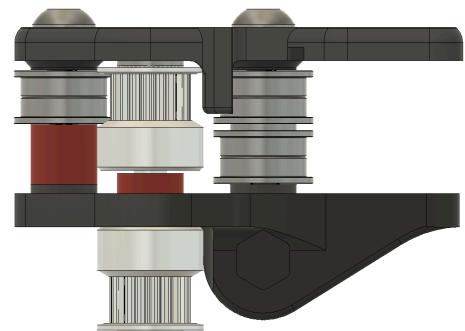
A / B Drive Units



B Drive Unit



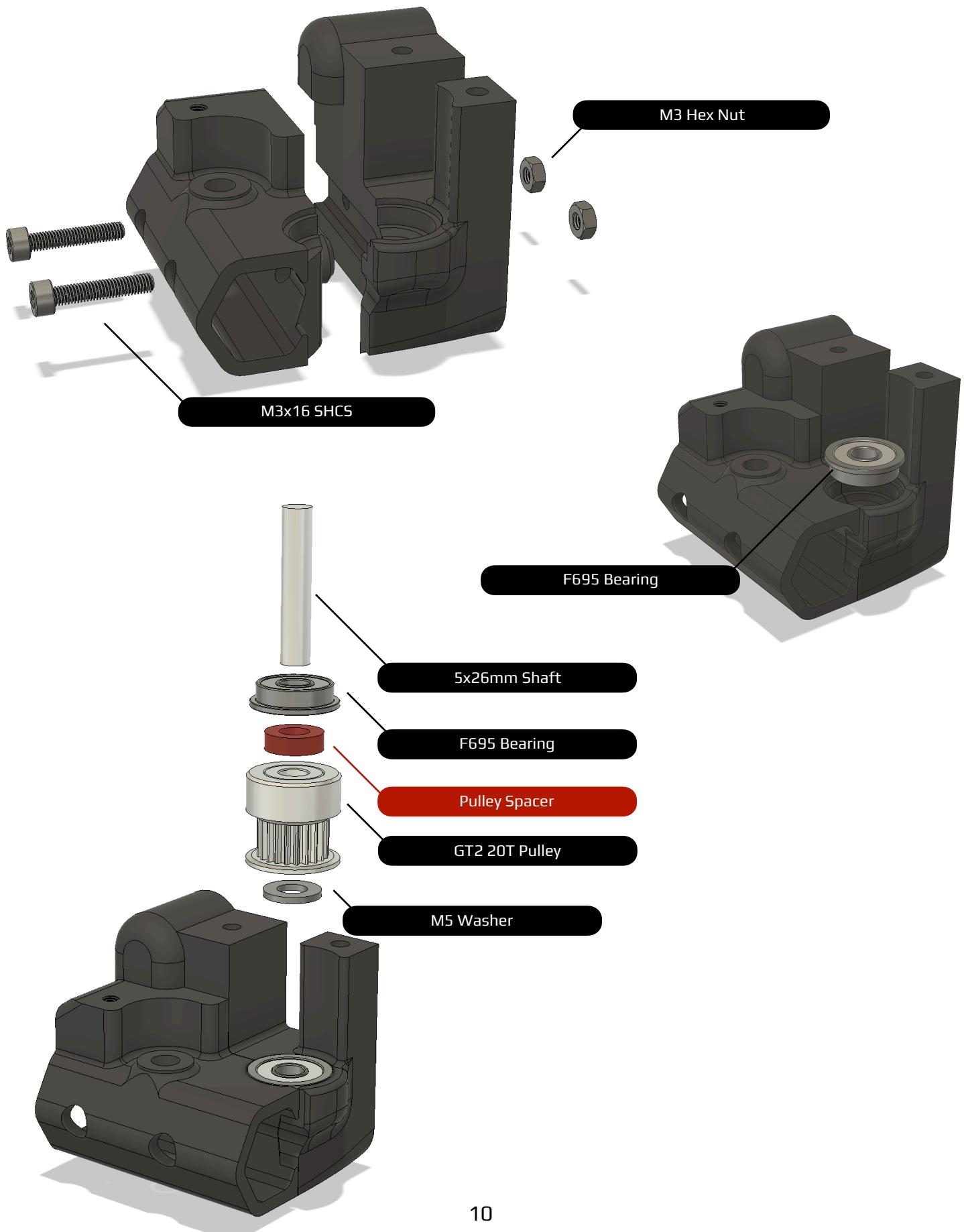
A Drive Unit



A / B Drive Units



XY Joints



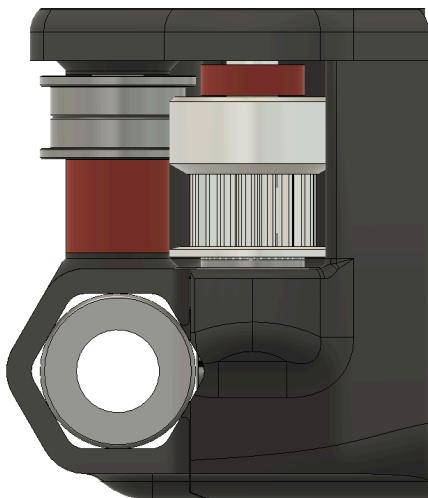
XY Joints



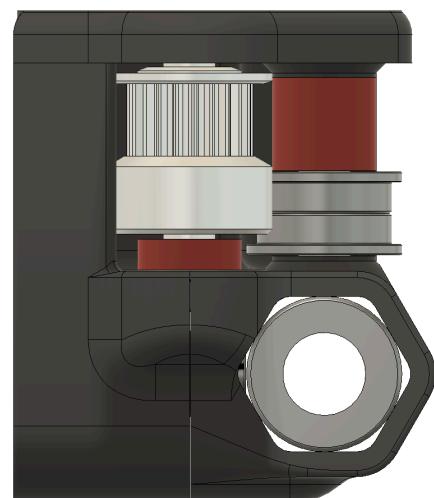
XY Joints



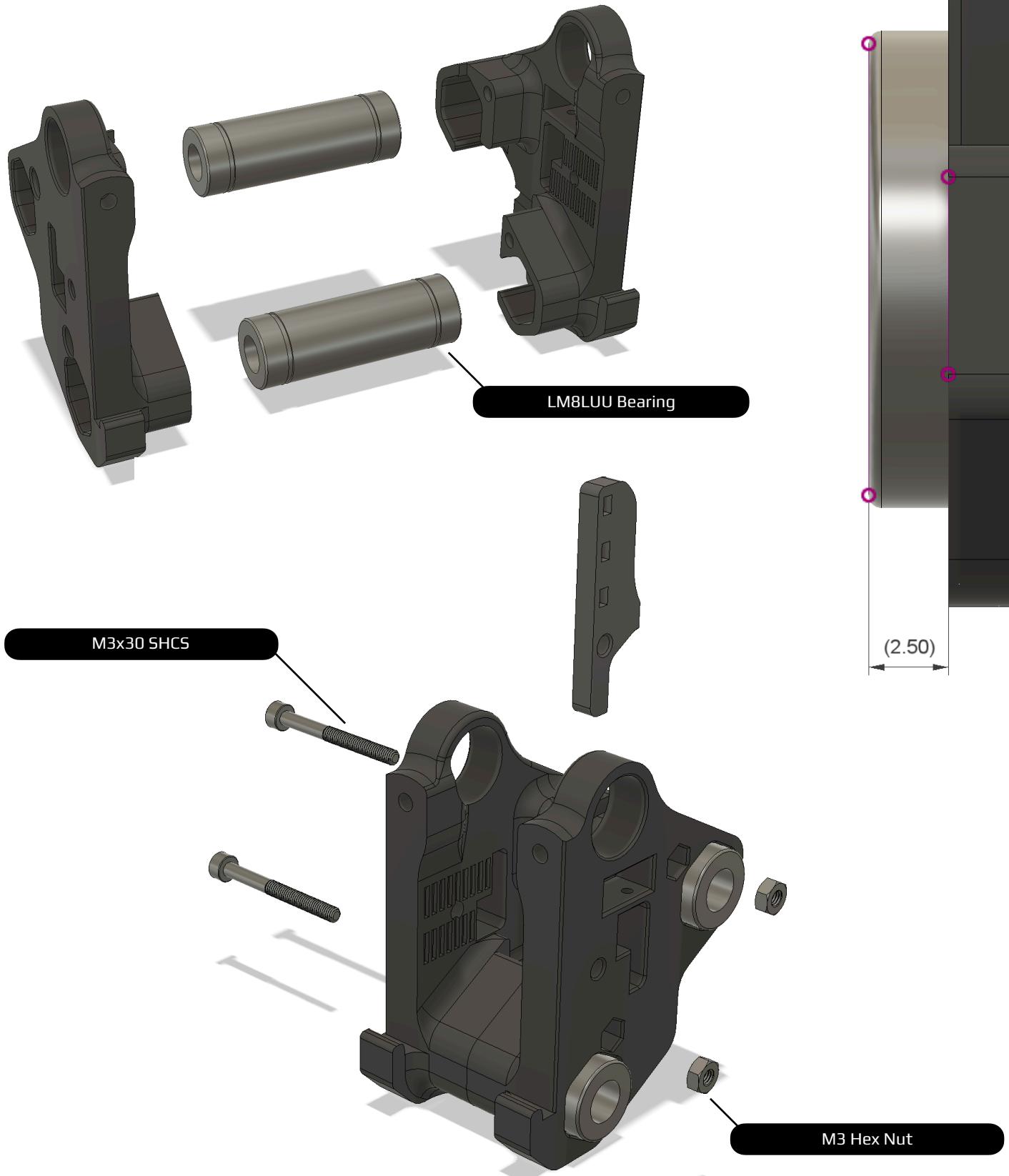
Left XY Joint



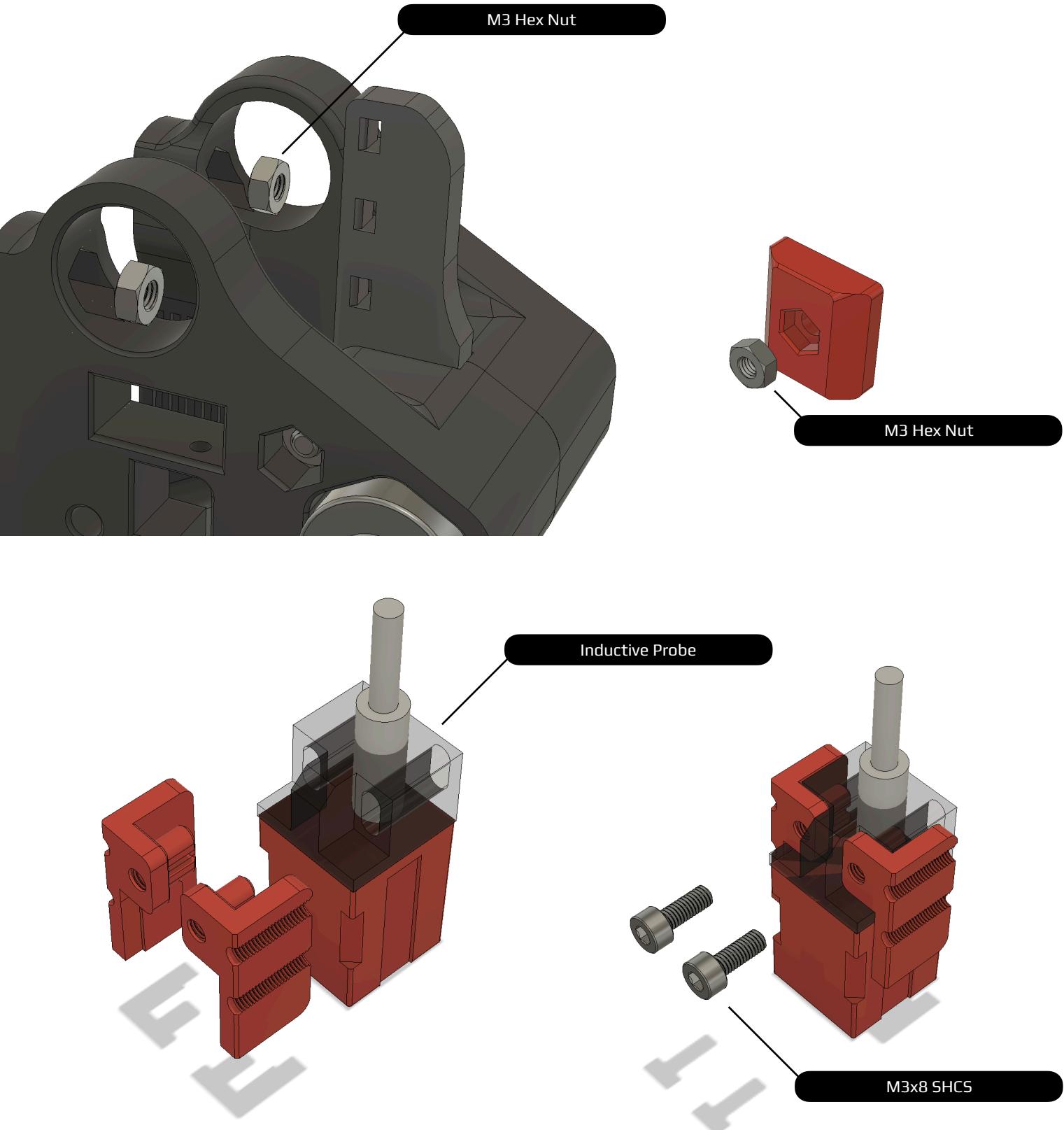
Right XY Joint



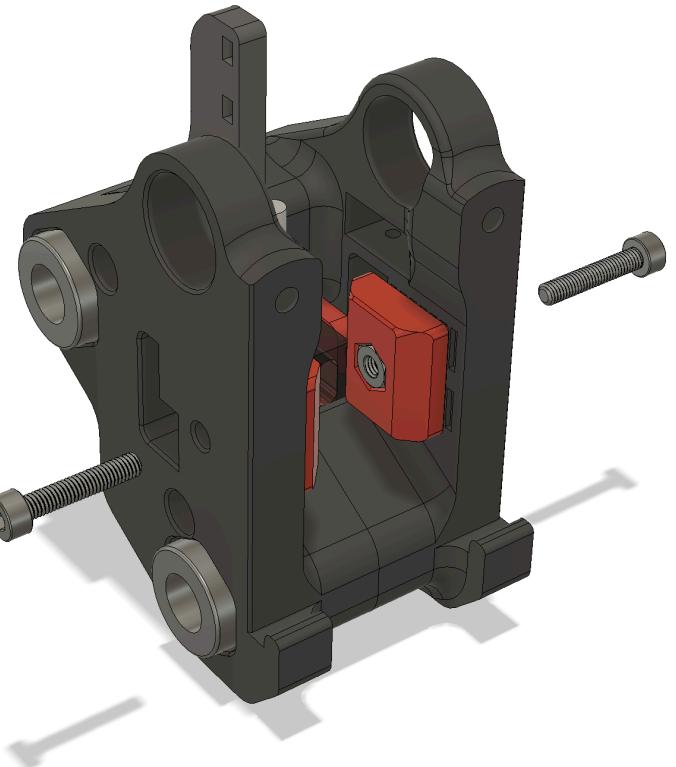
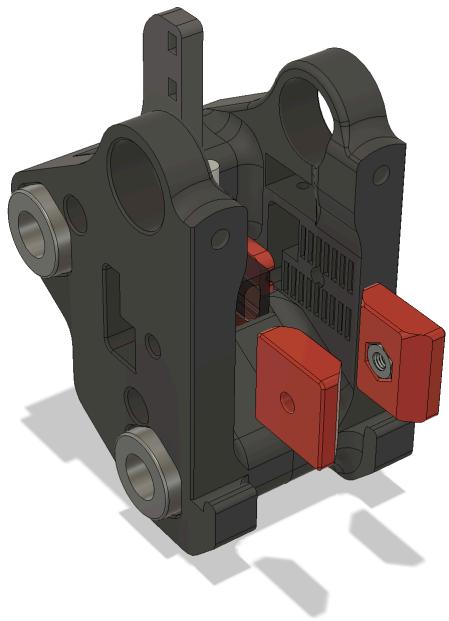
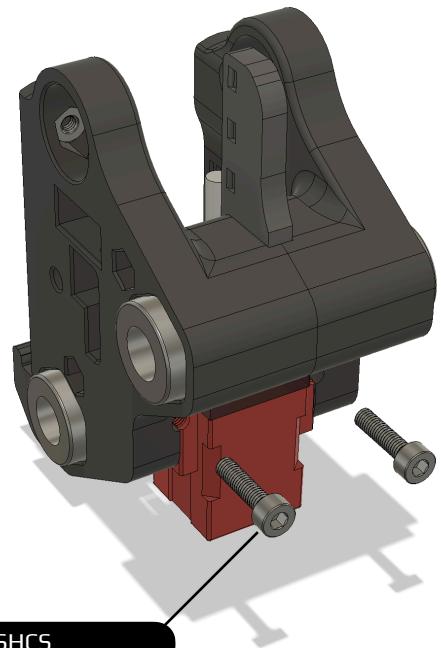
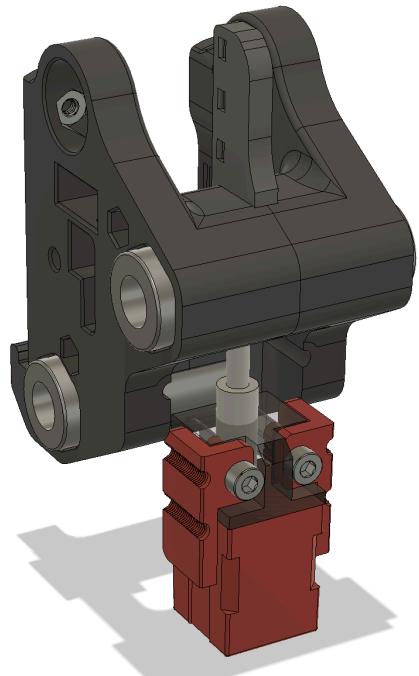
X Carriage



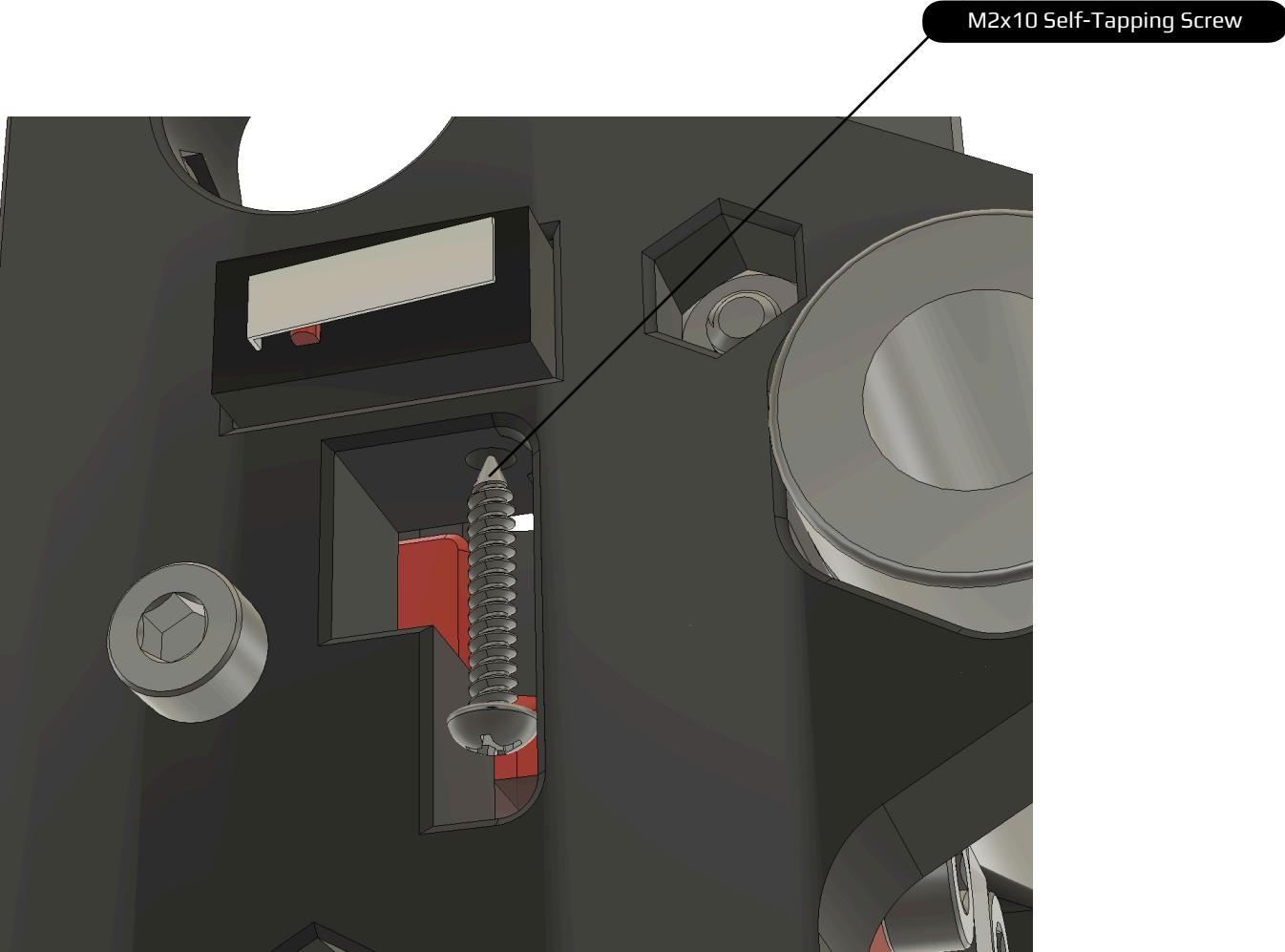
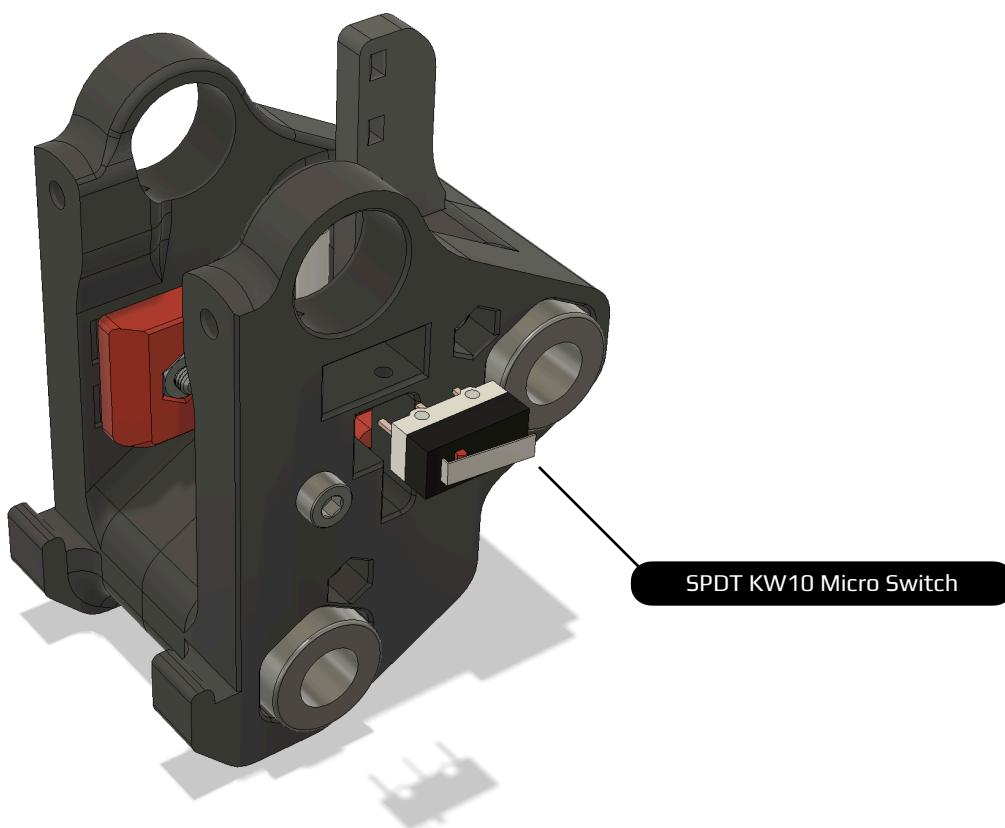
Y Rails



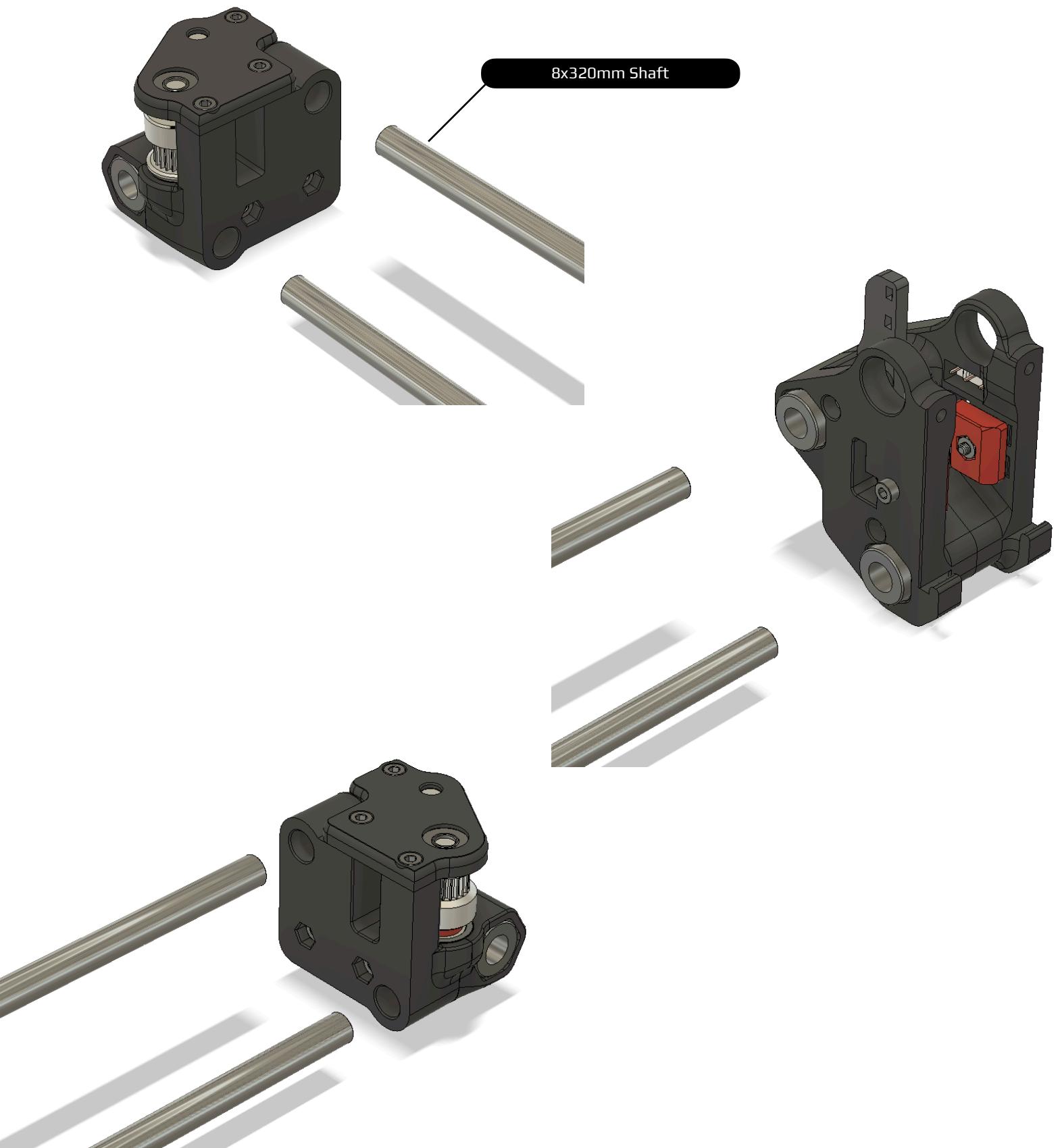
X Carriage



X Carriage



Gantry



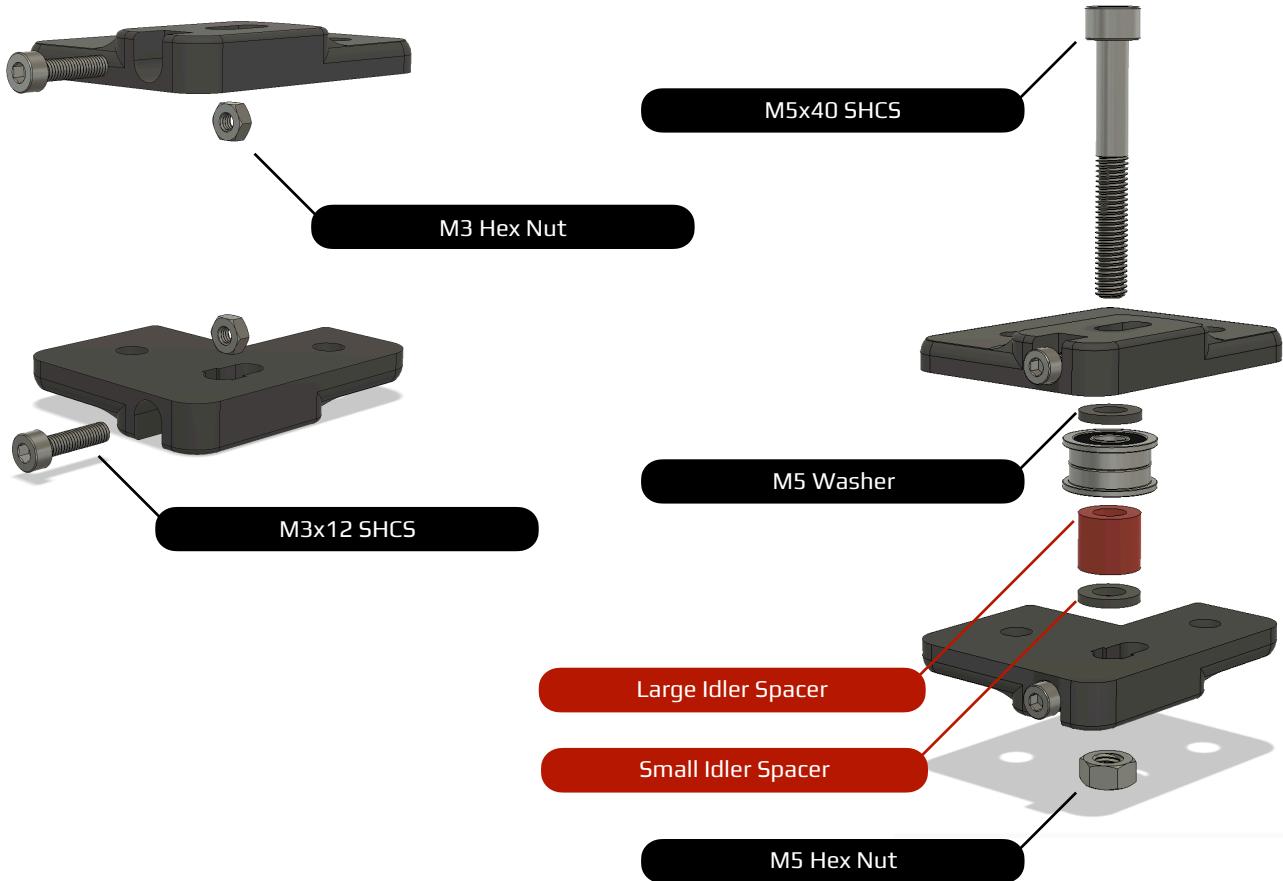
Gantry



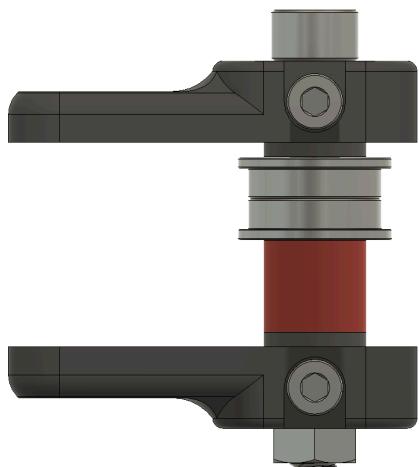
Gantry



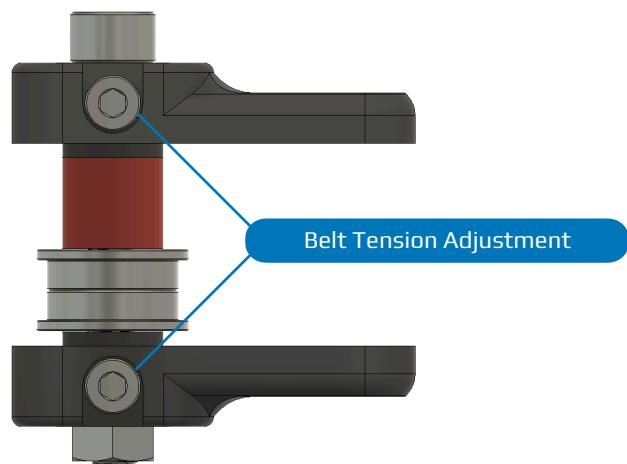
Front Idlers / Tensioners



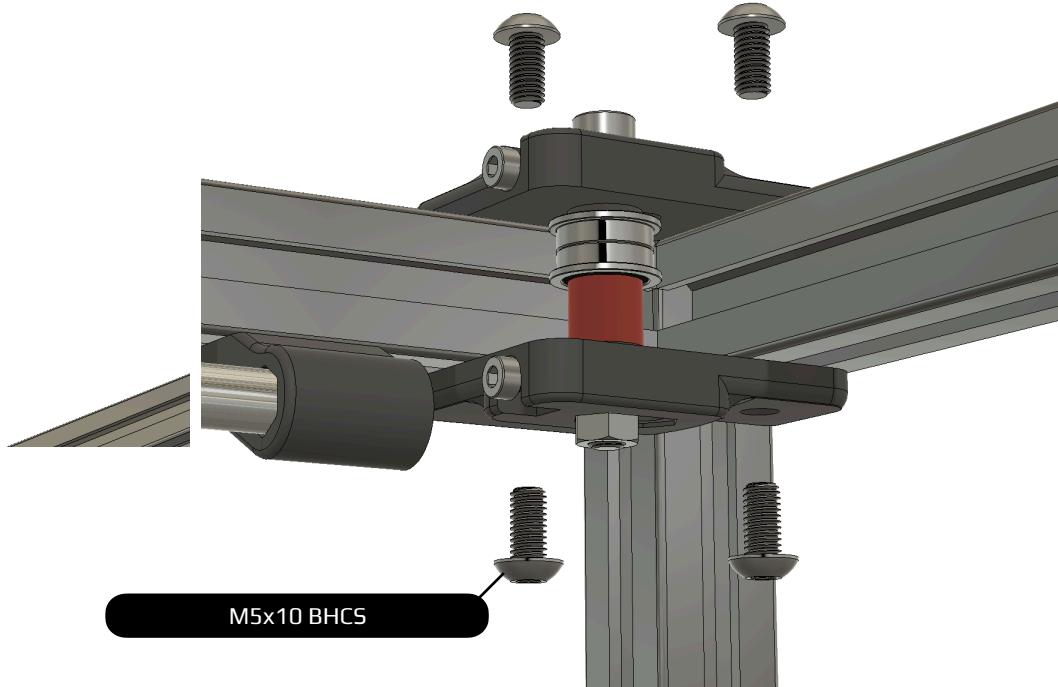
Right Idler



Left Idler

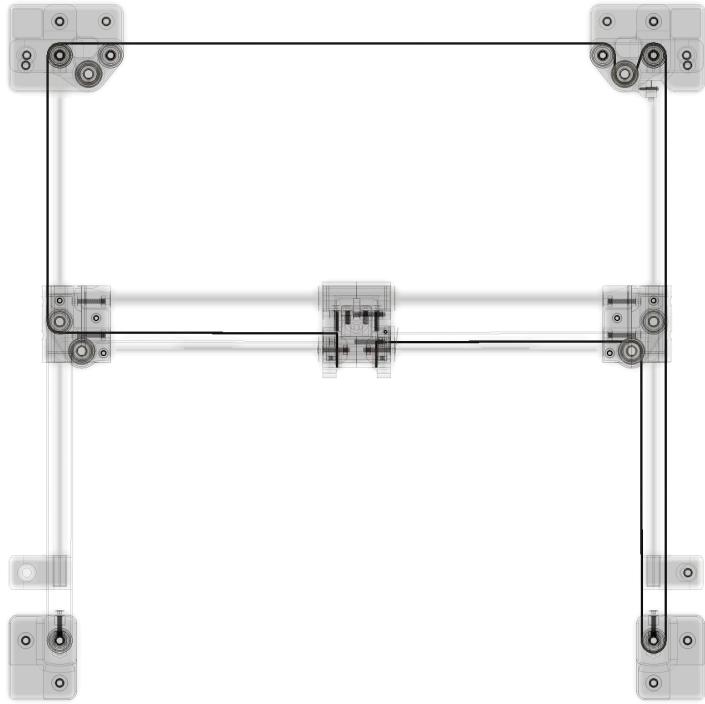


Front Idlers / Tensioners

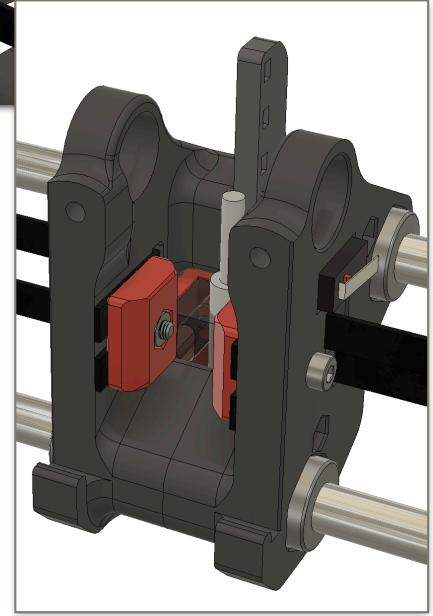
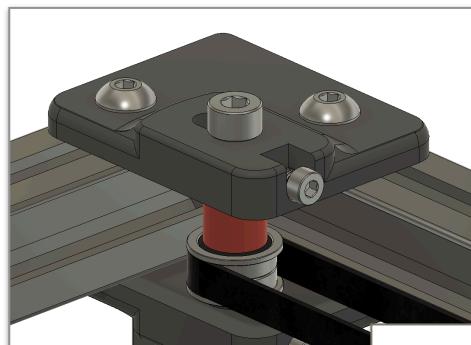
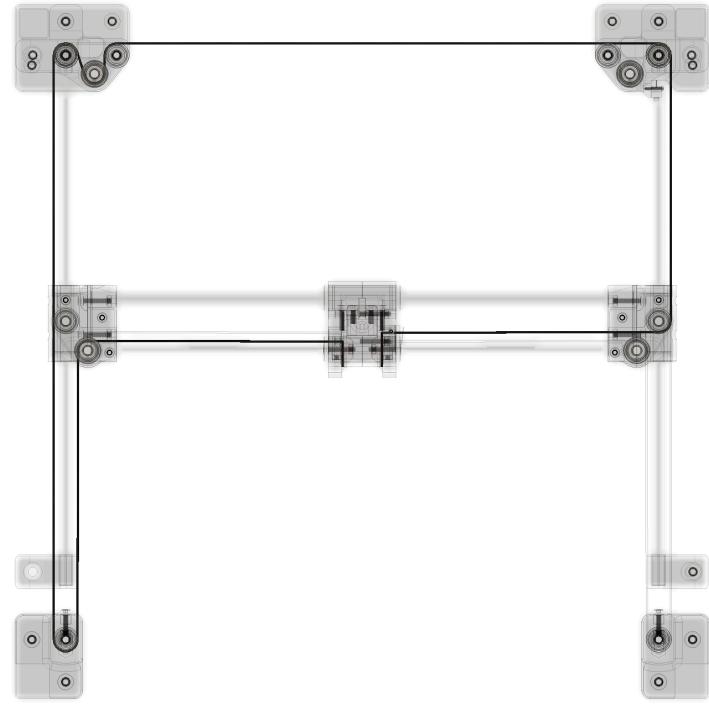


Belt Routing

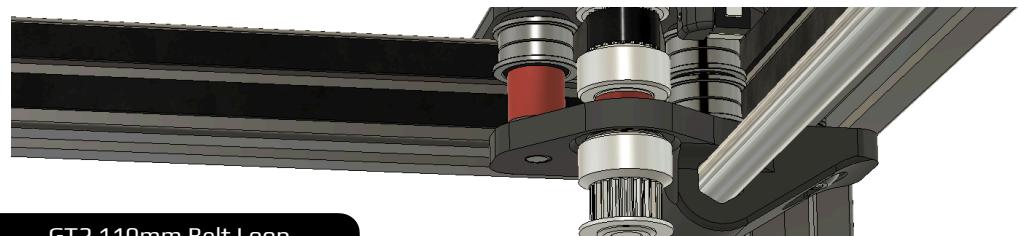
A Belt



B Belt

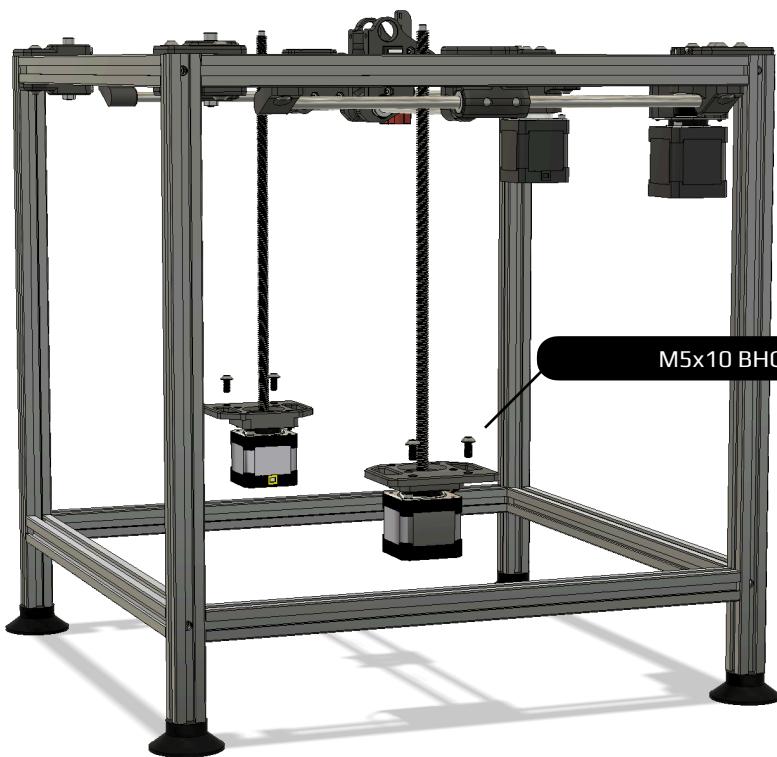
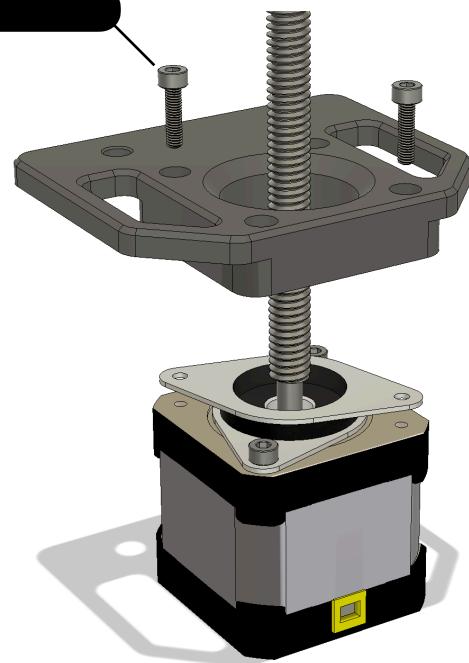
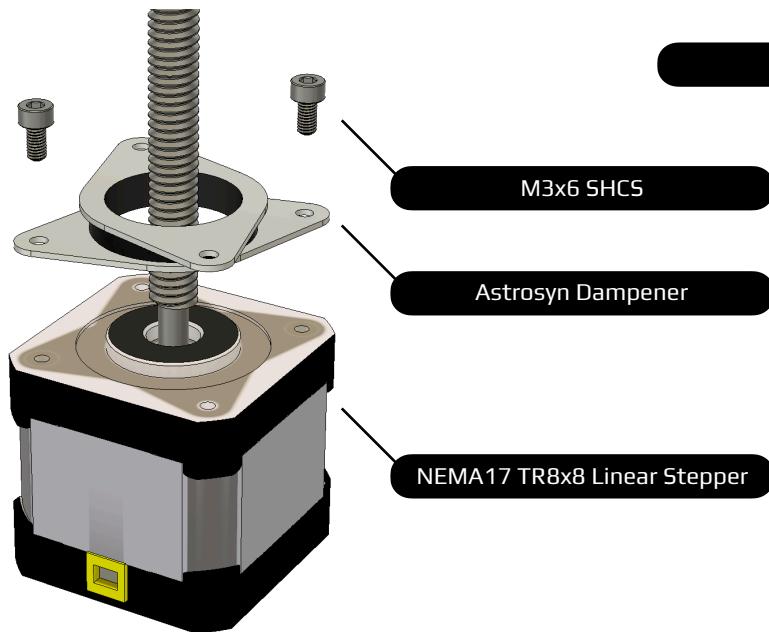


A/B Motors

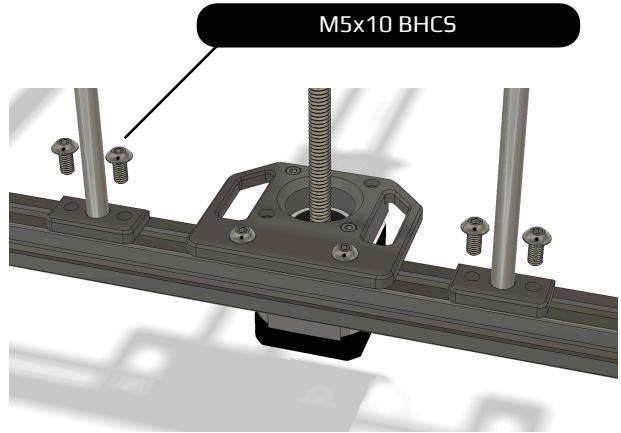
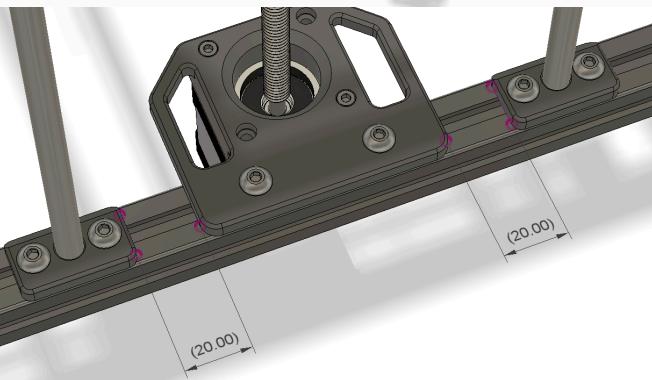
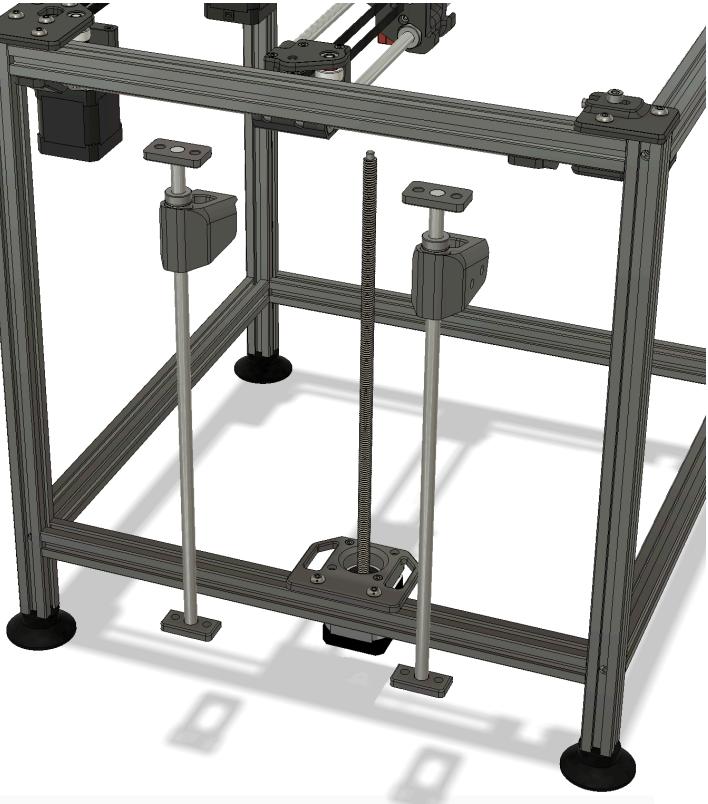




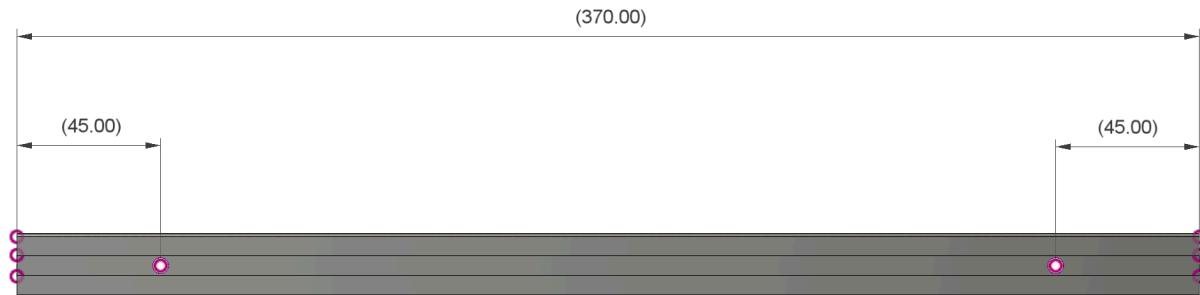
Z Lead Screws



Bed



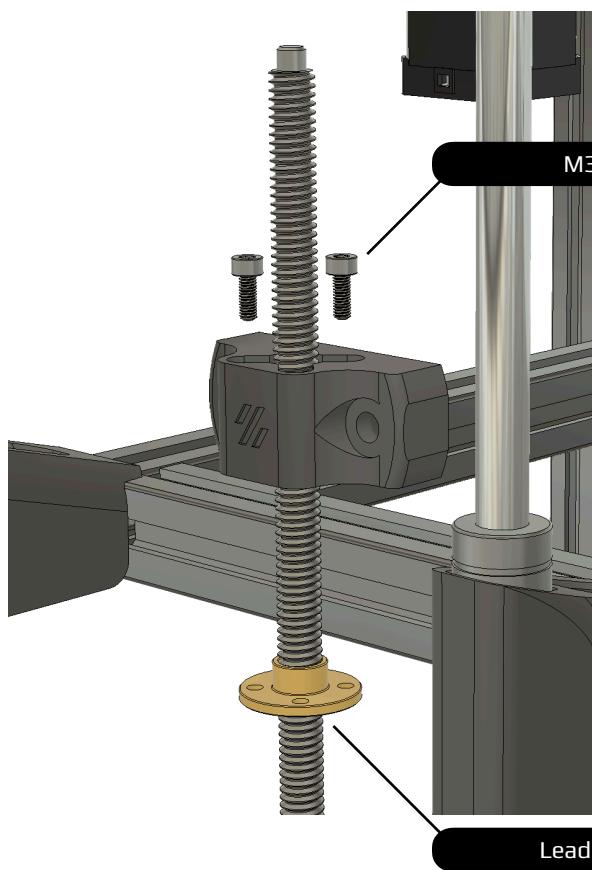
Bed



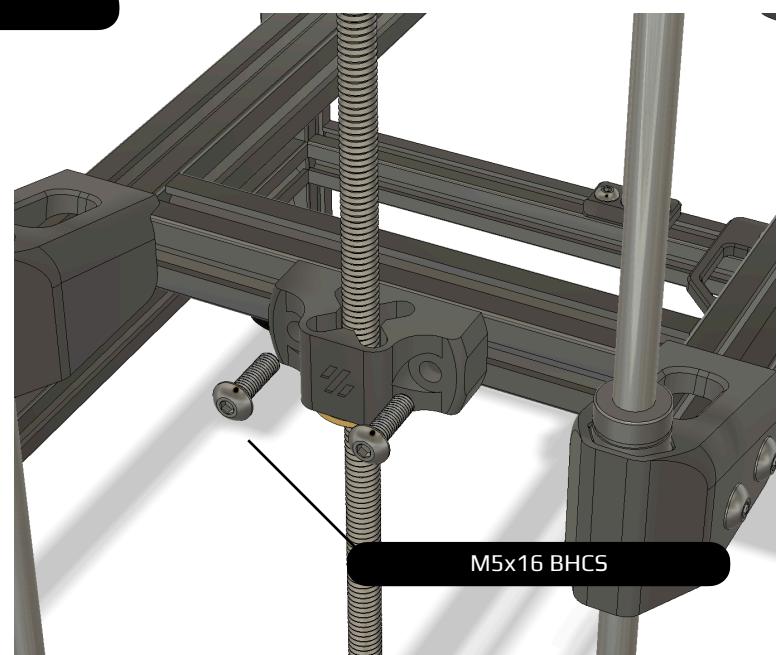
Bed



M5x10 BHCS

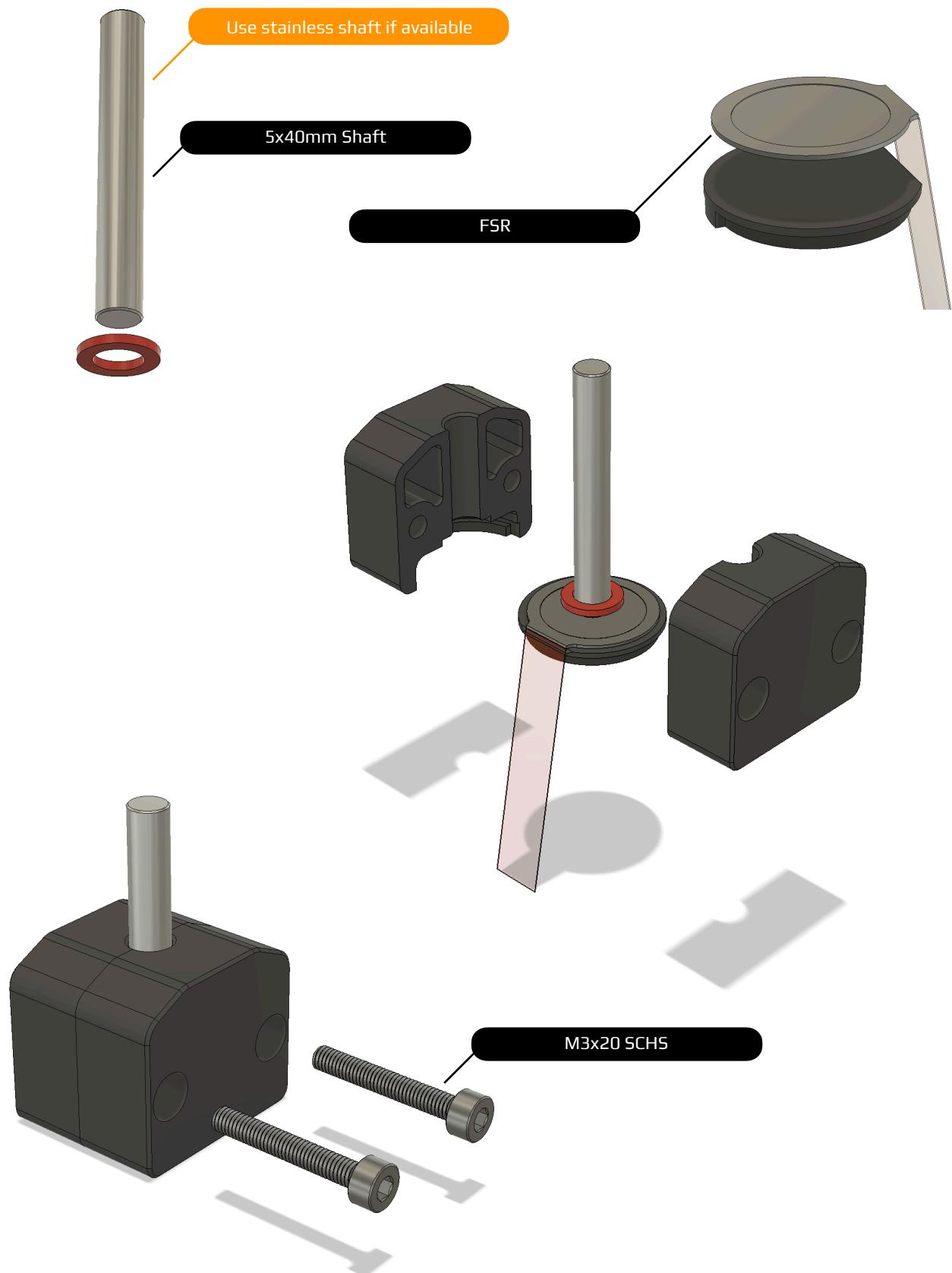


Lead Screw Nut

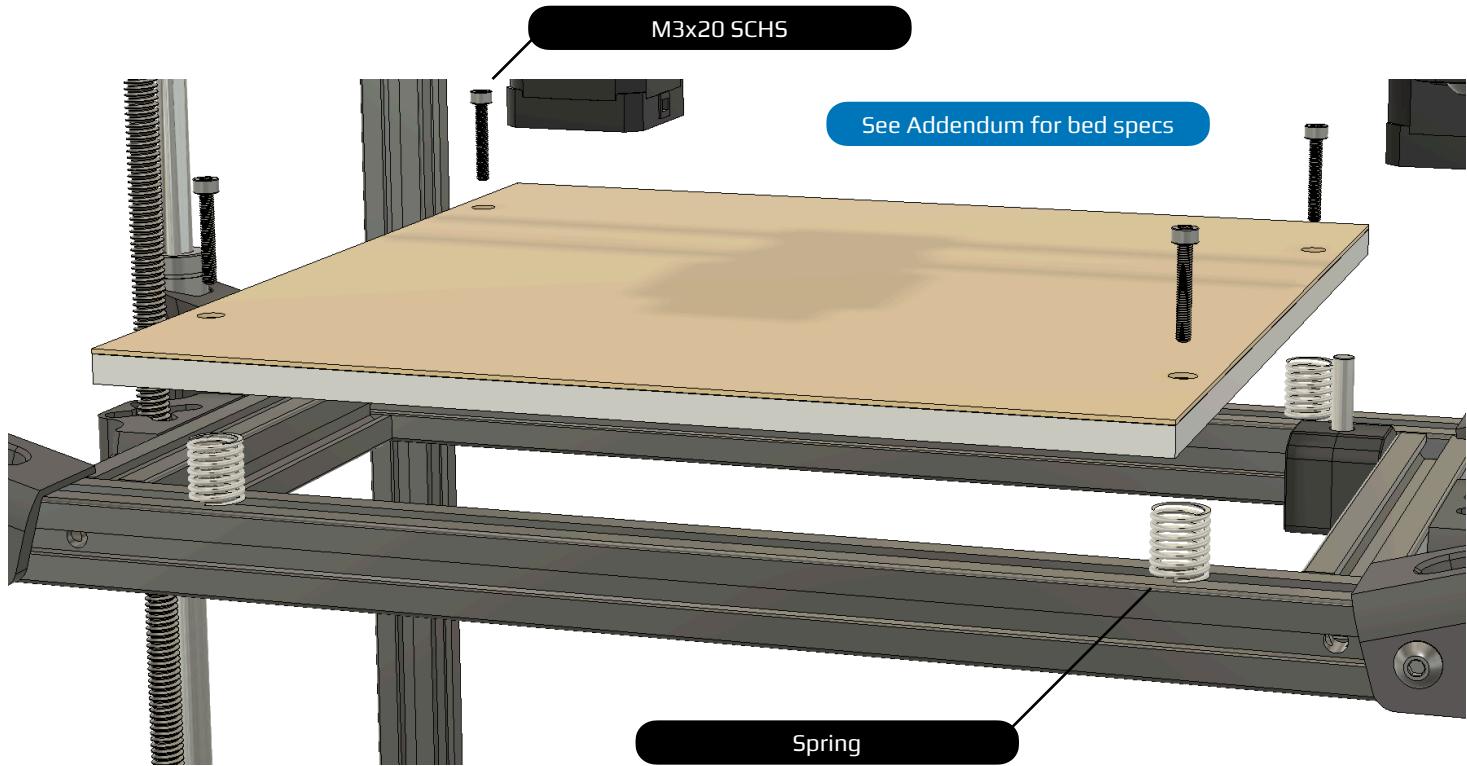
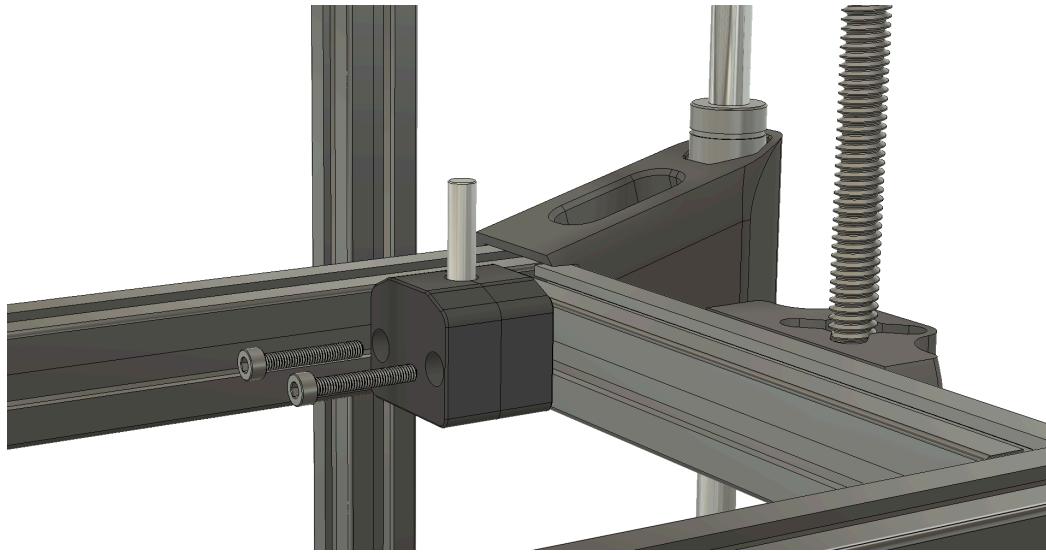


M5x16 BHCS

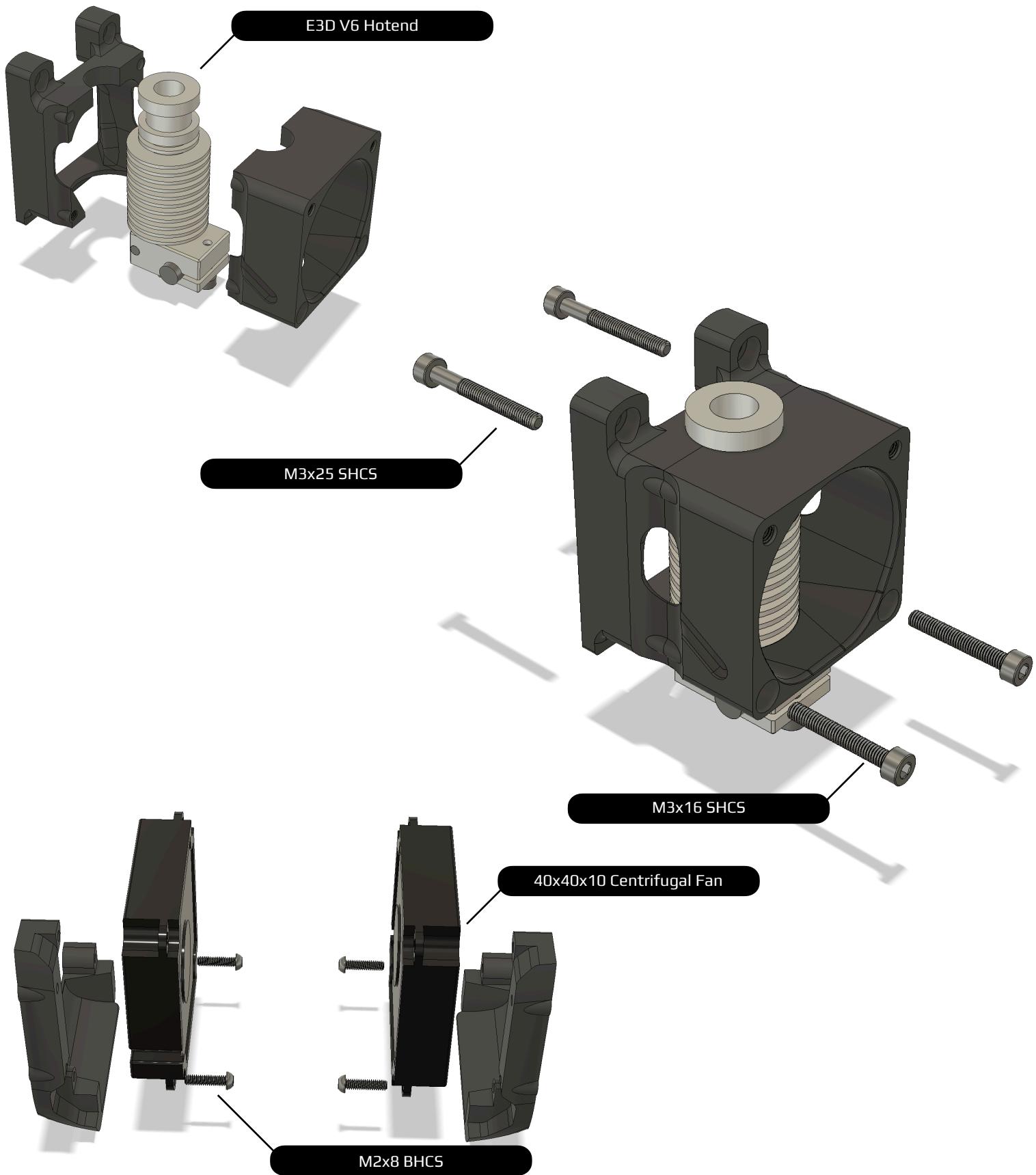
Tool Offset Switch



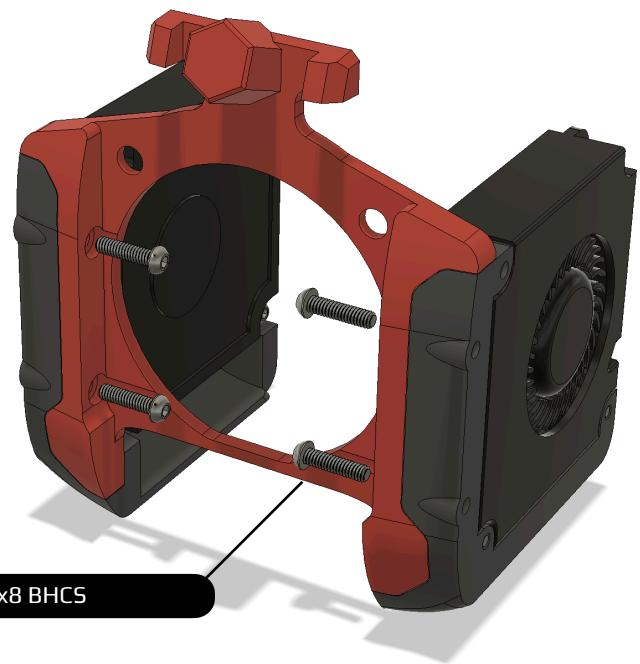
Bed



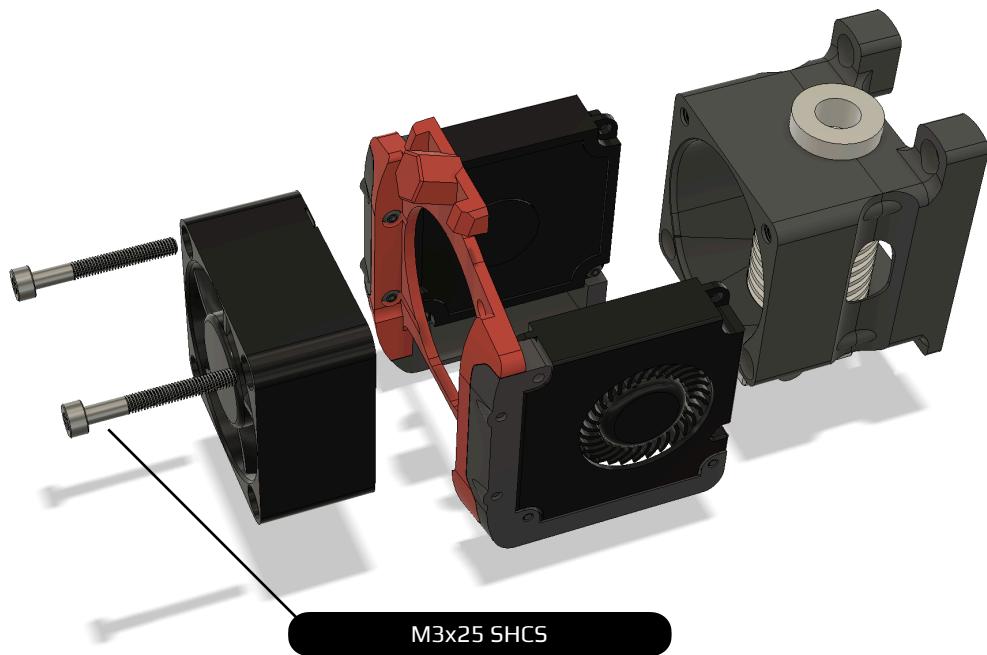
Toolhead



Toolhead

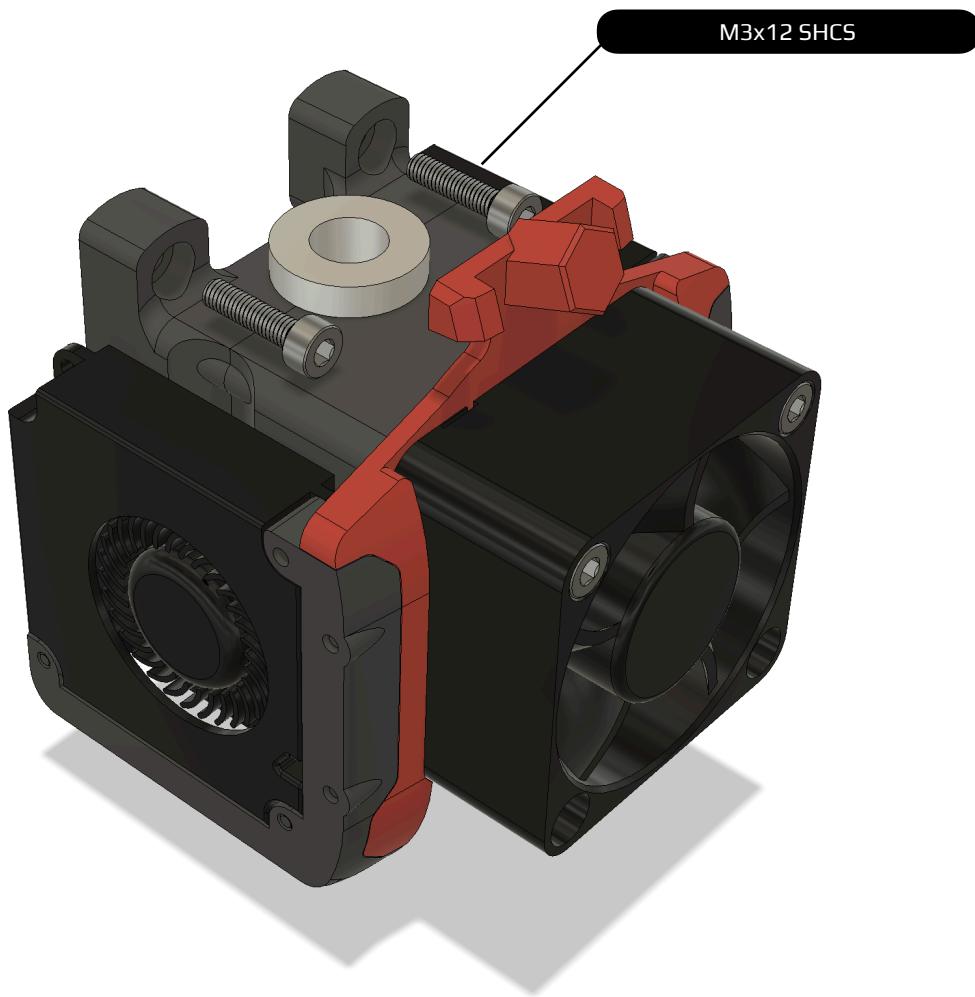


M2x8 BHCS

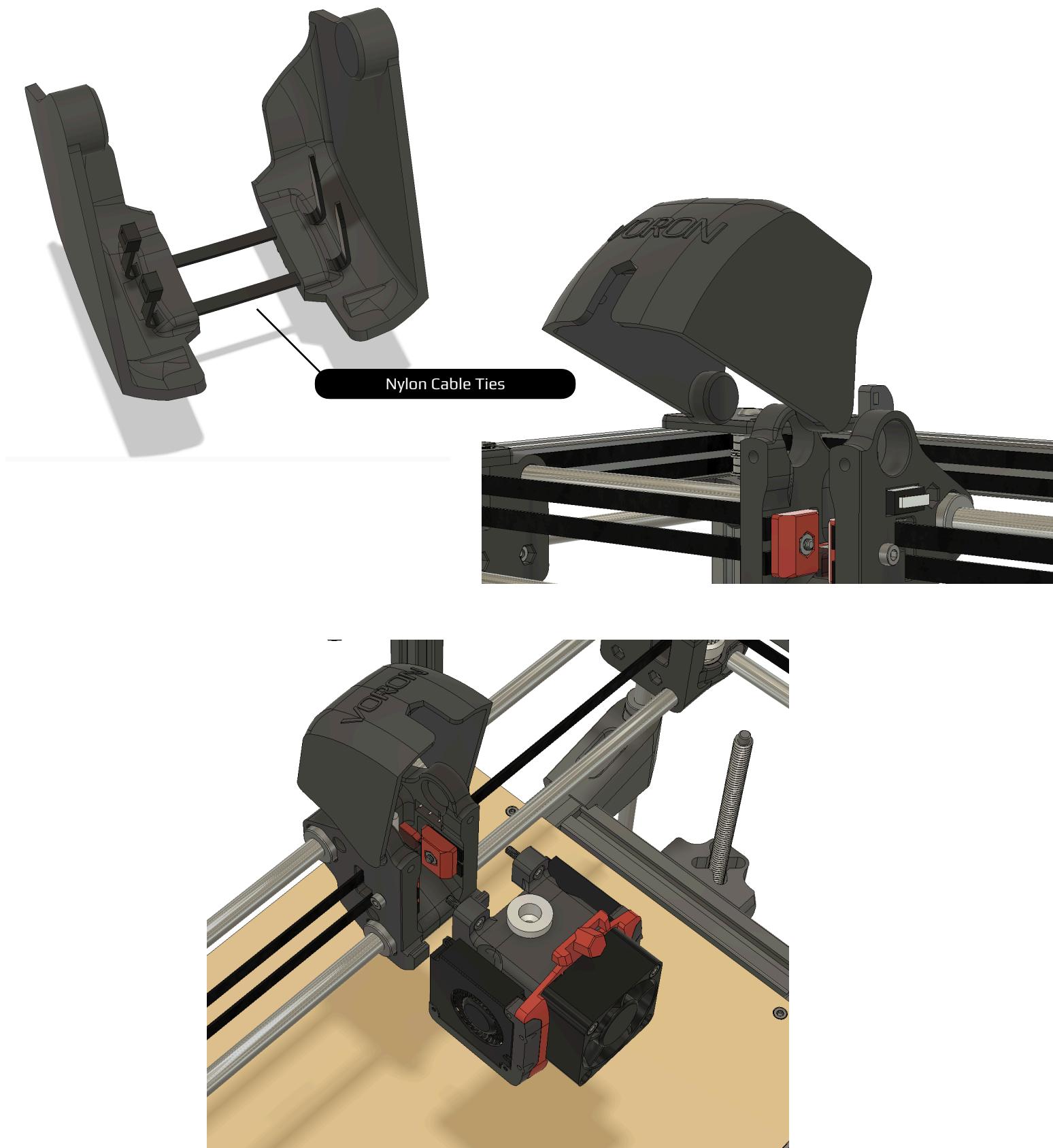


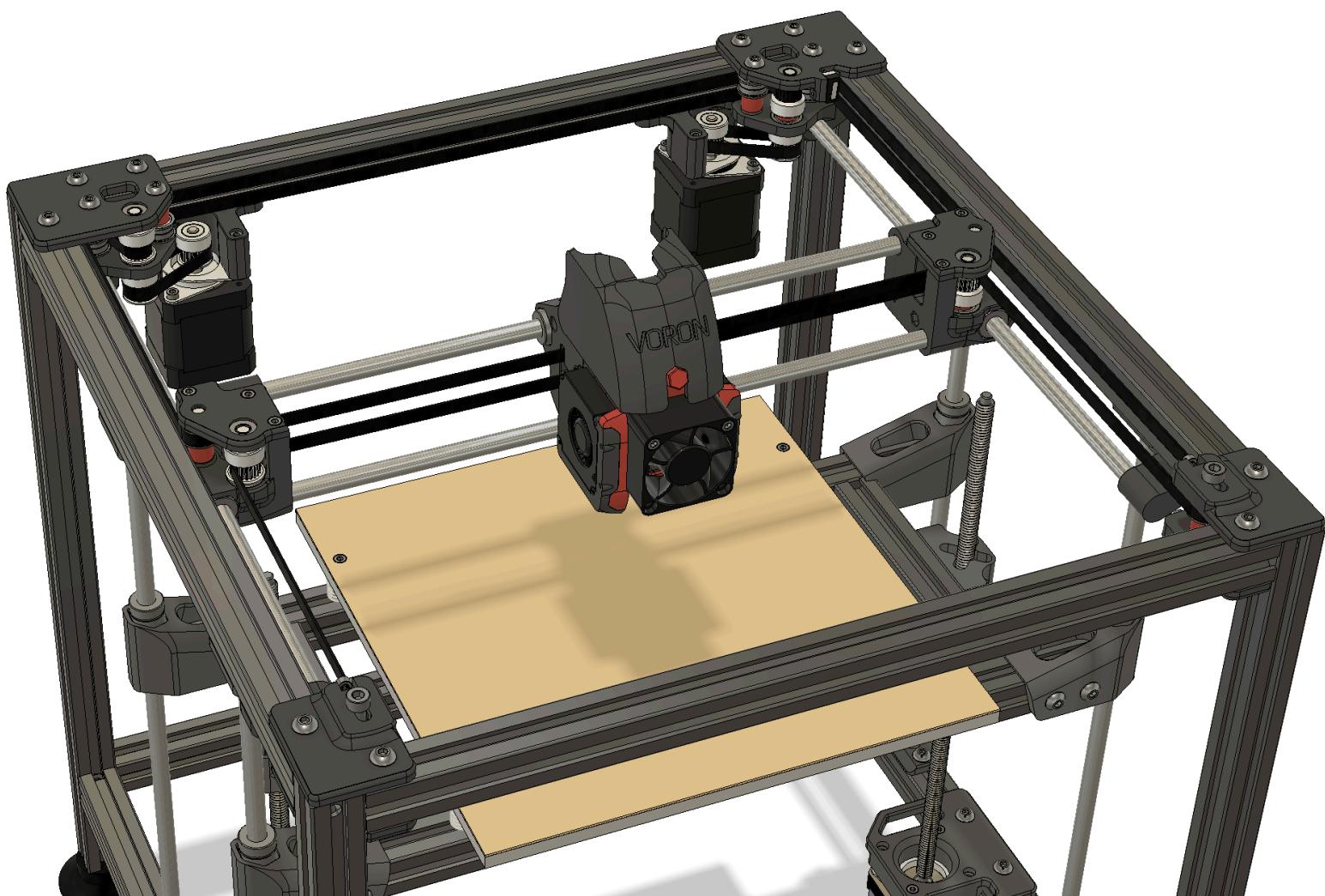
M3x25 SHCS

Toolhead

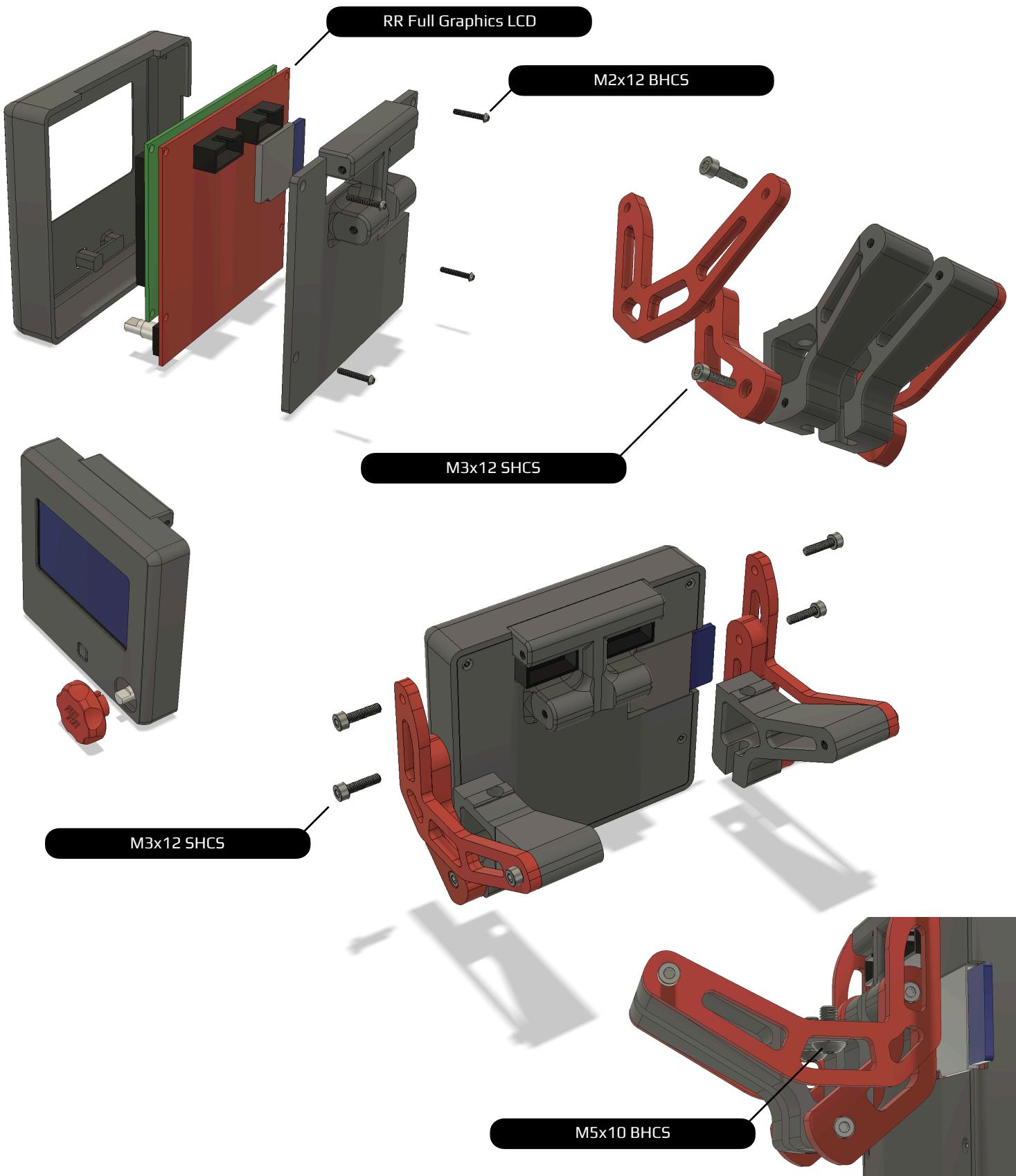


Toolhead Installation

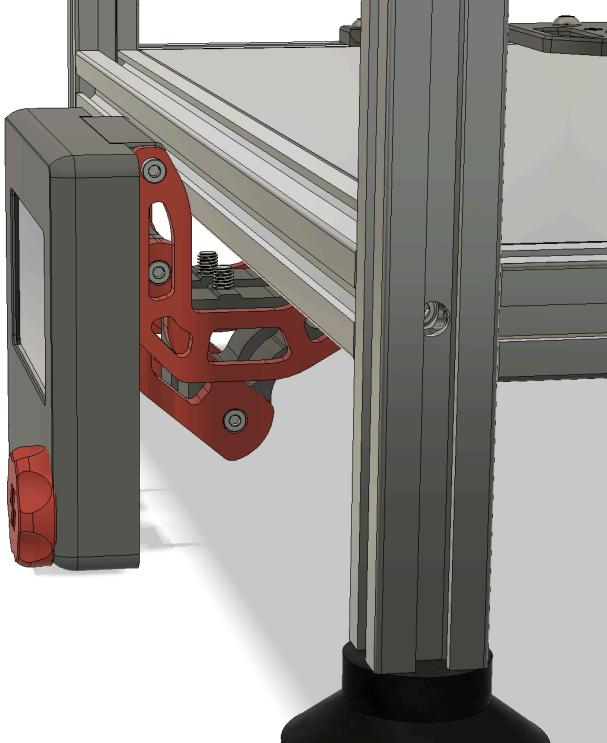
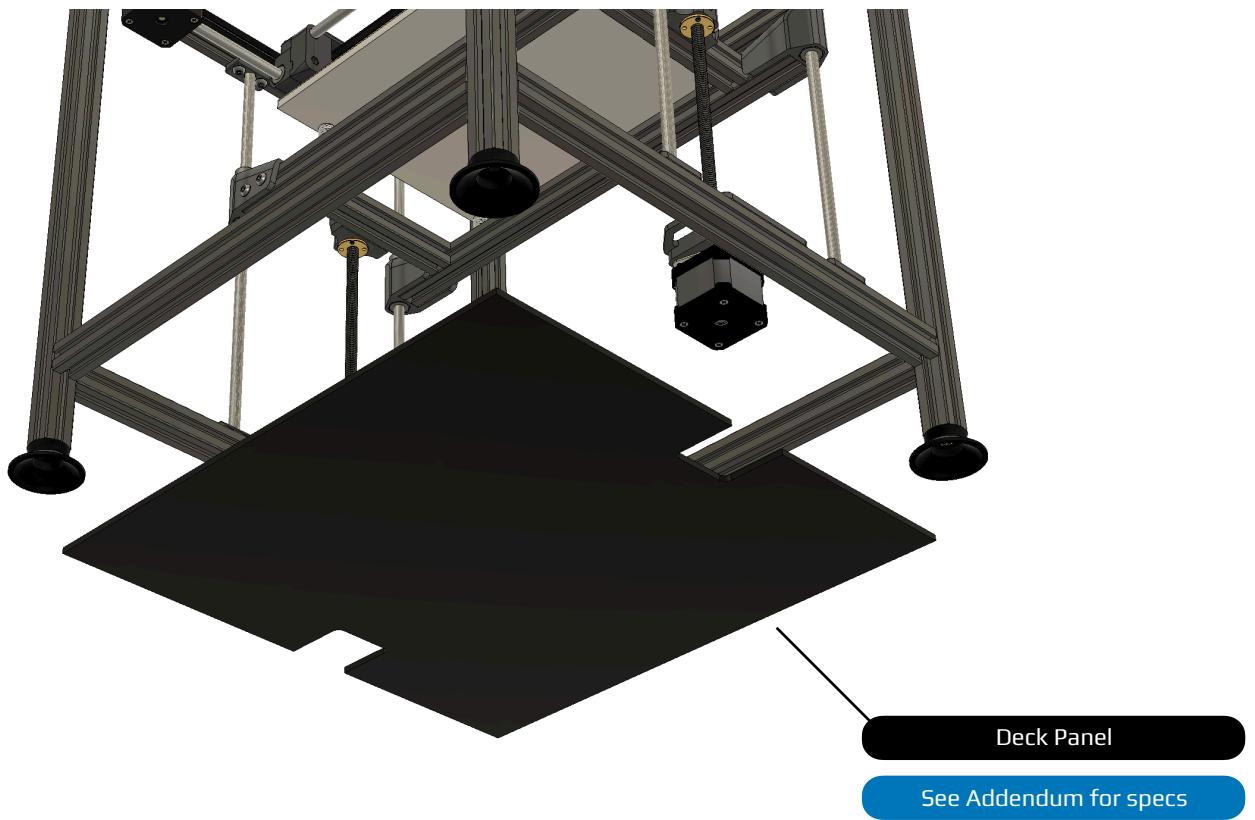




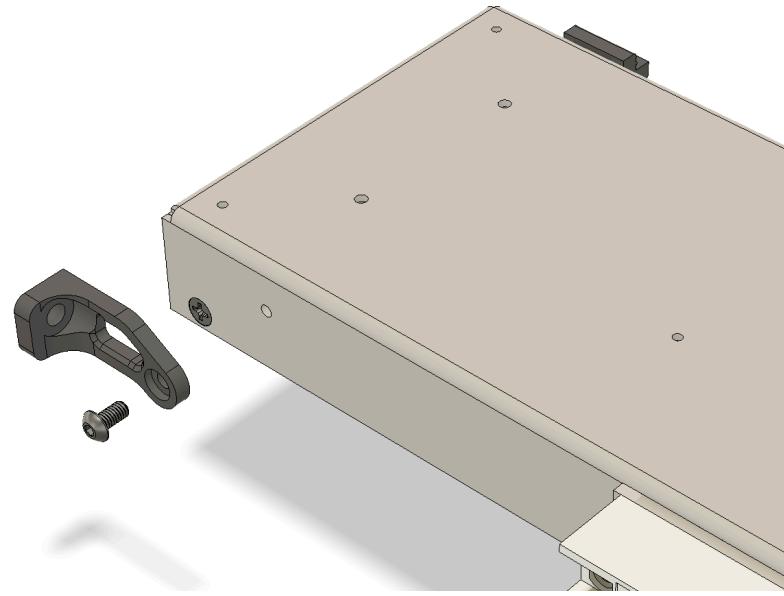
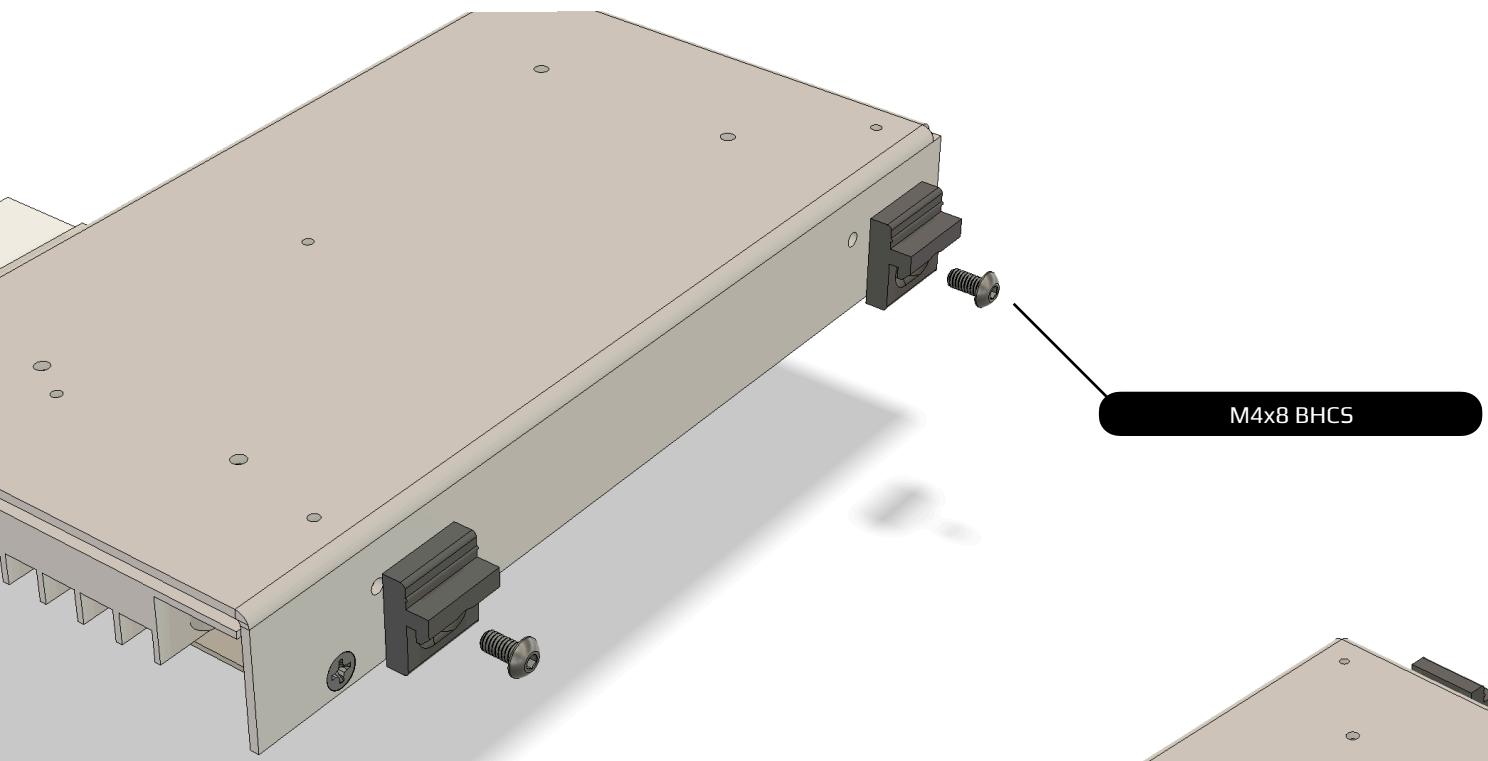
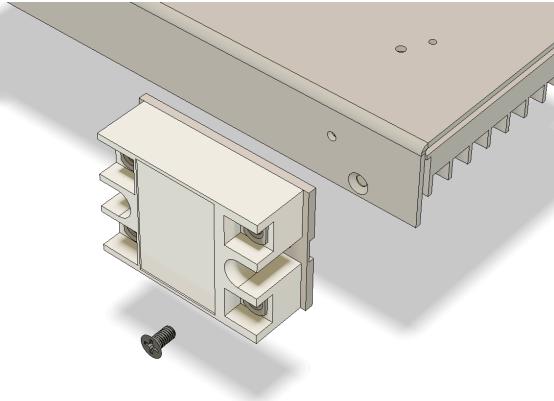
LCD Module



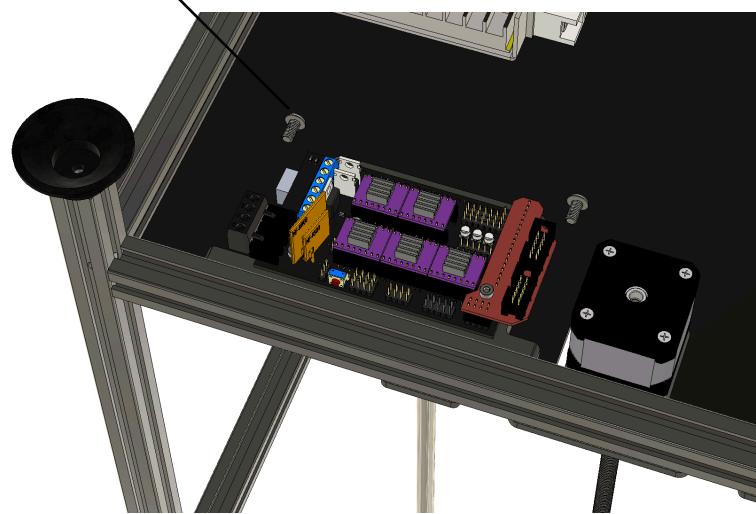
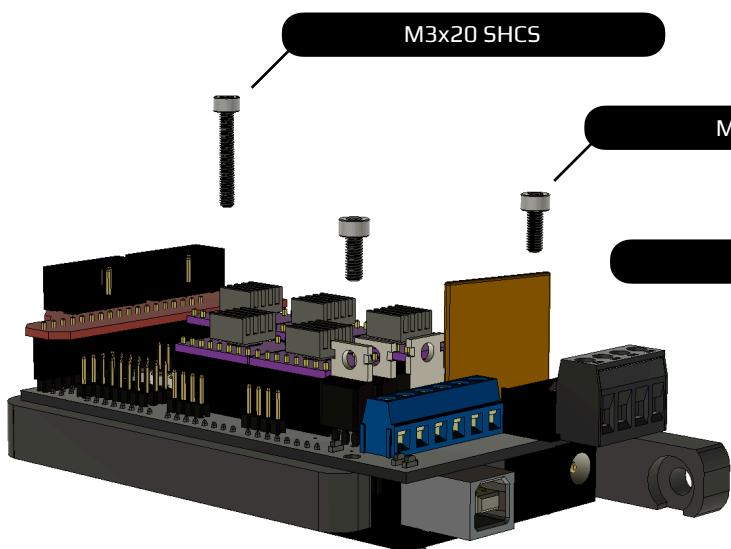
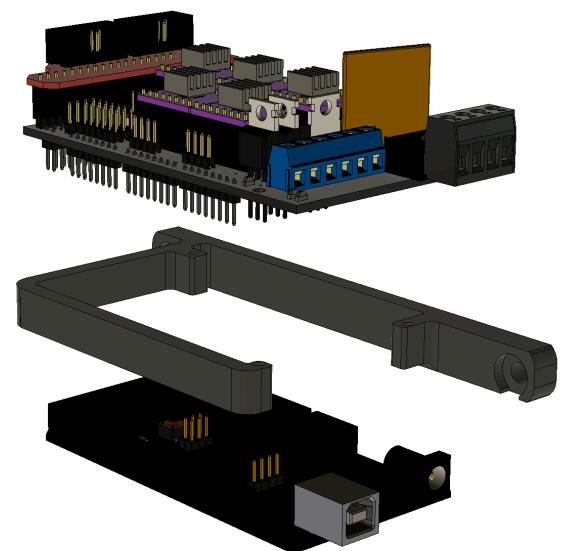
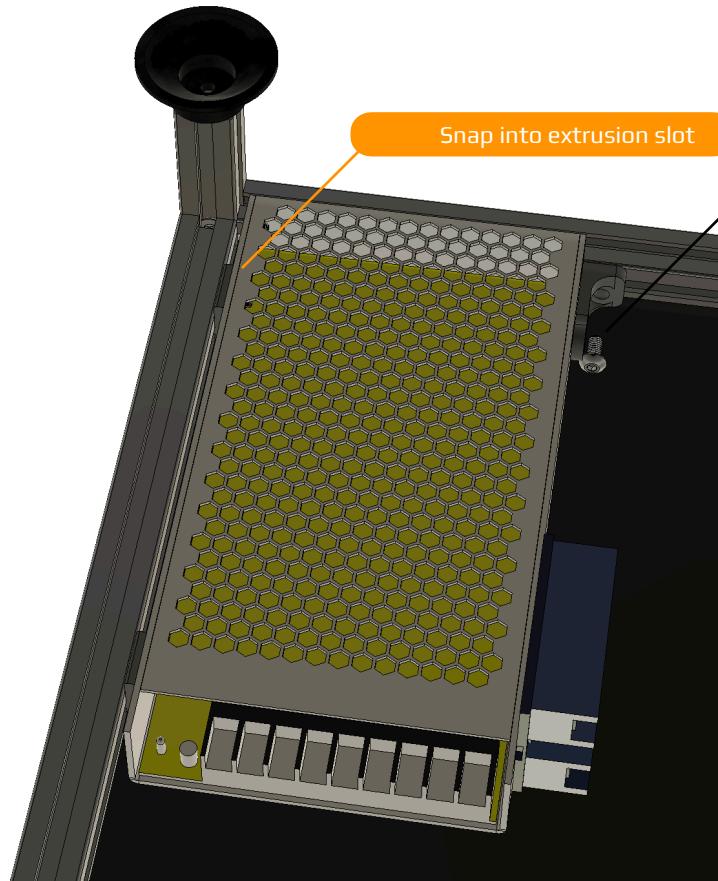
Lower Compartment



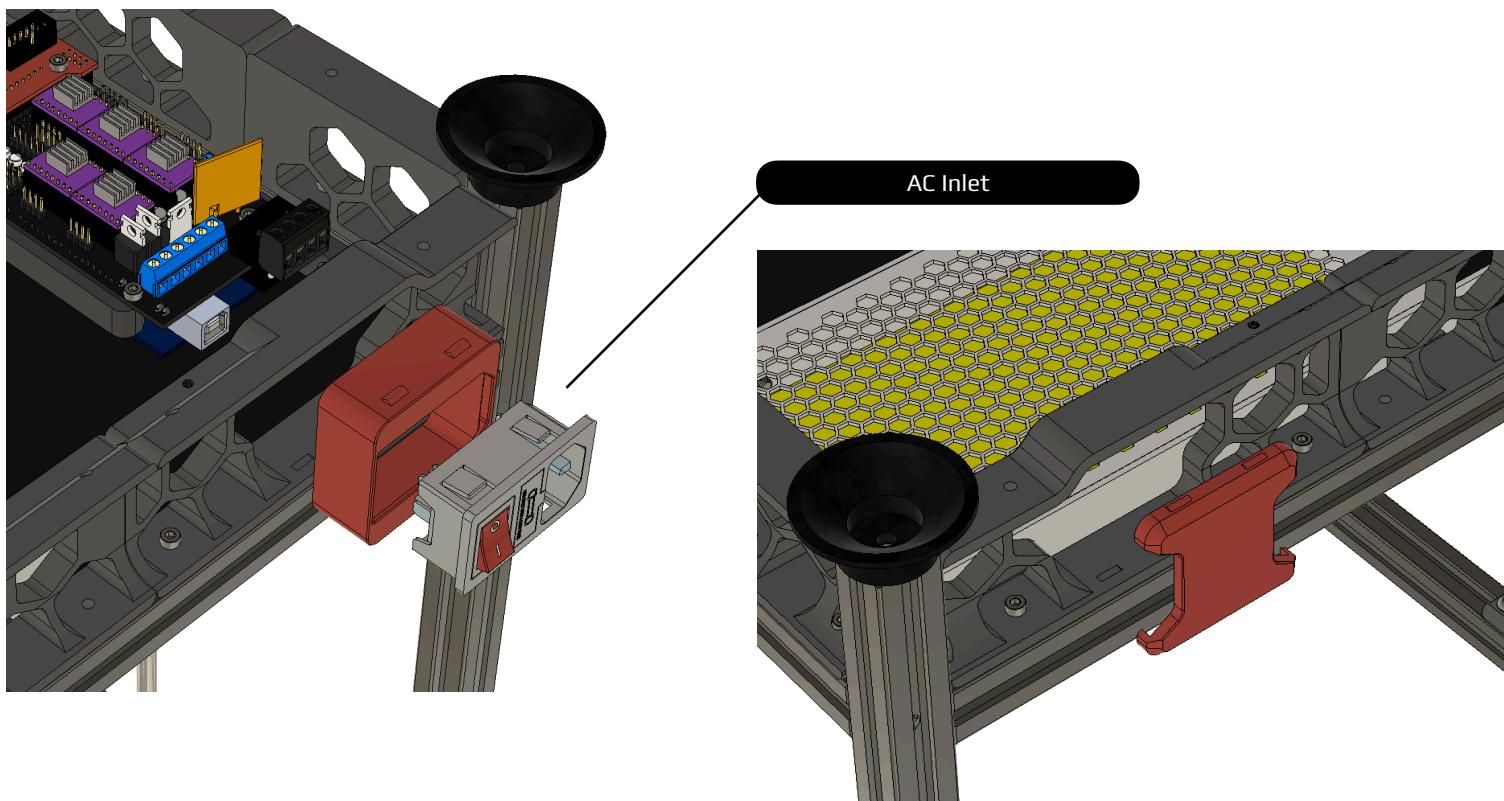
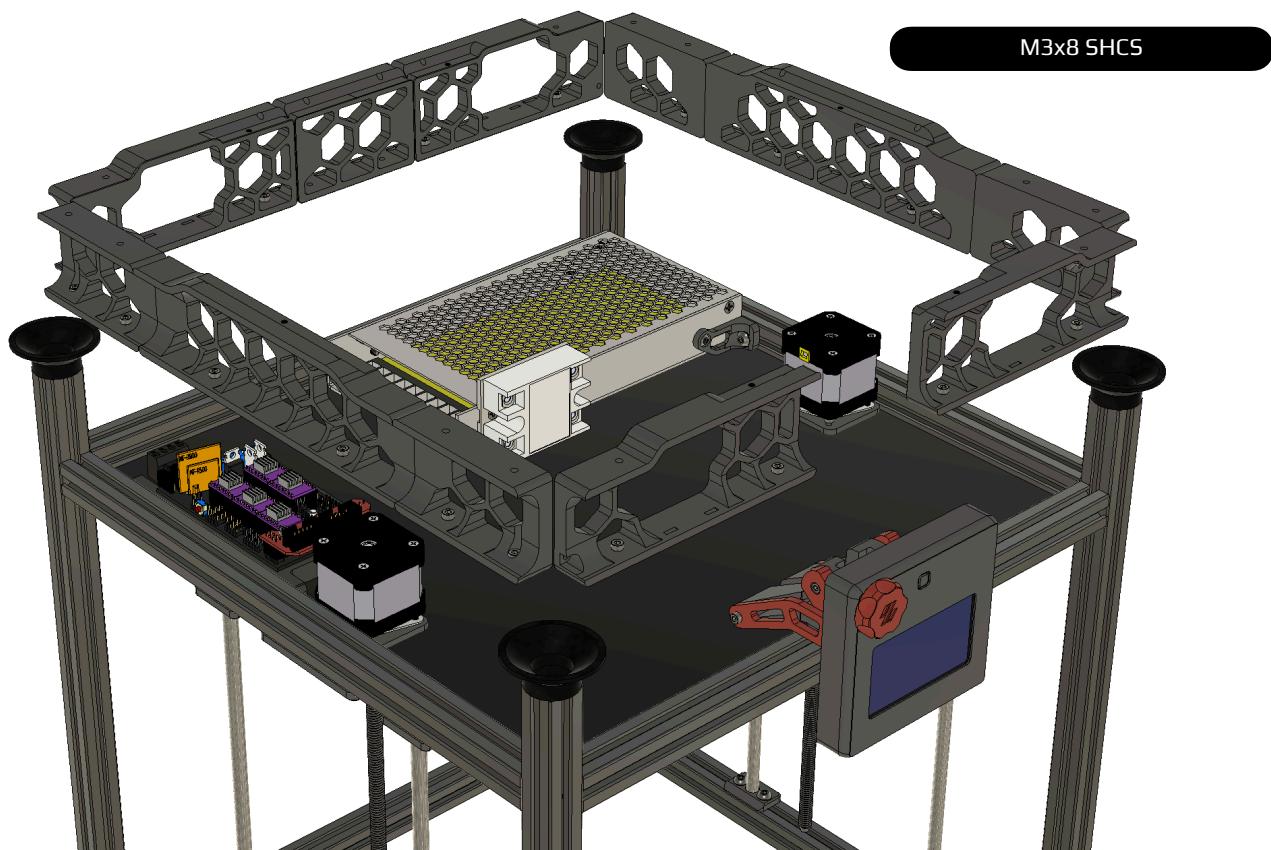
Lower Compartment



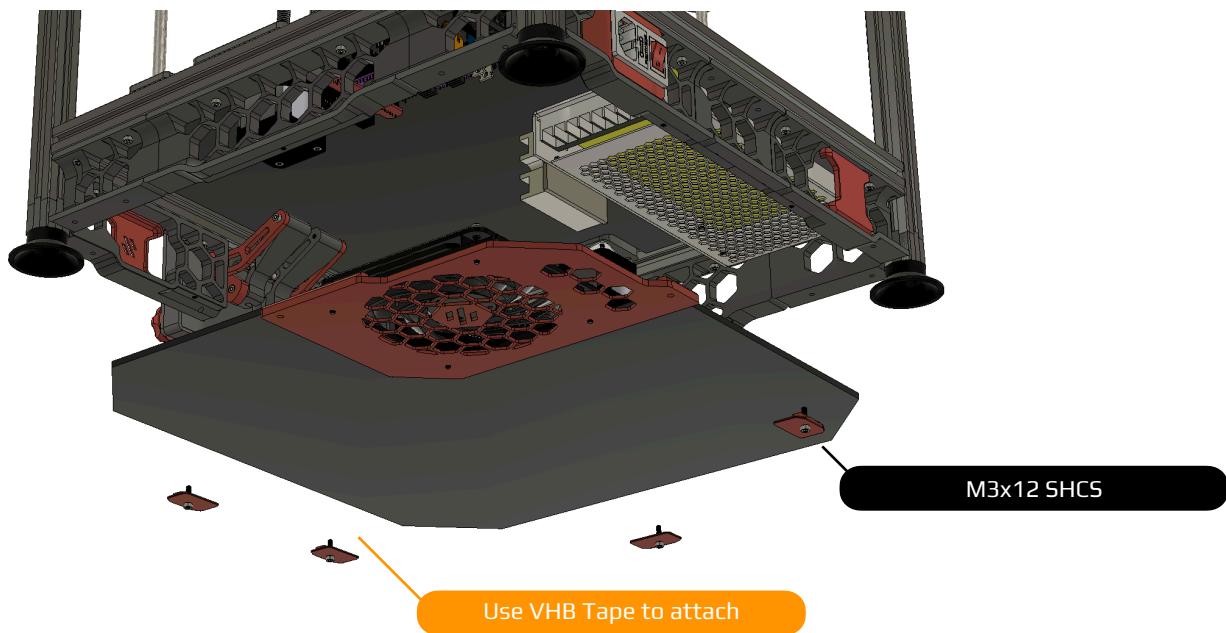
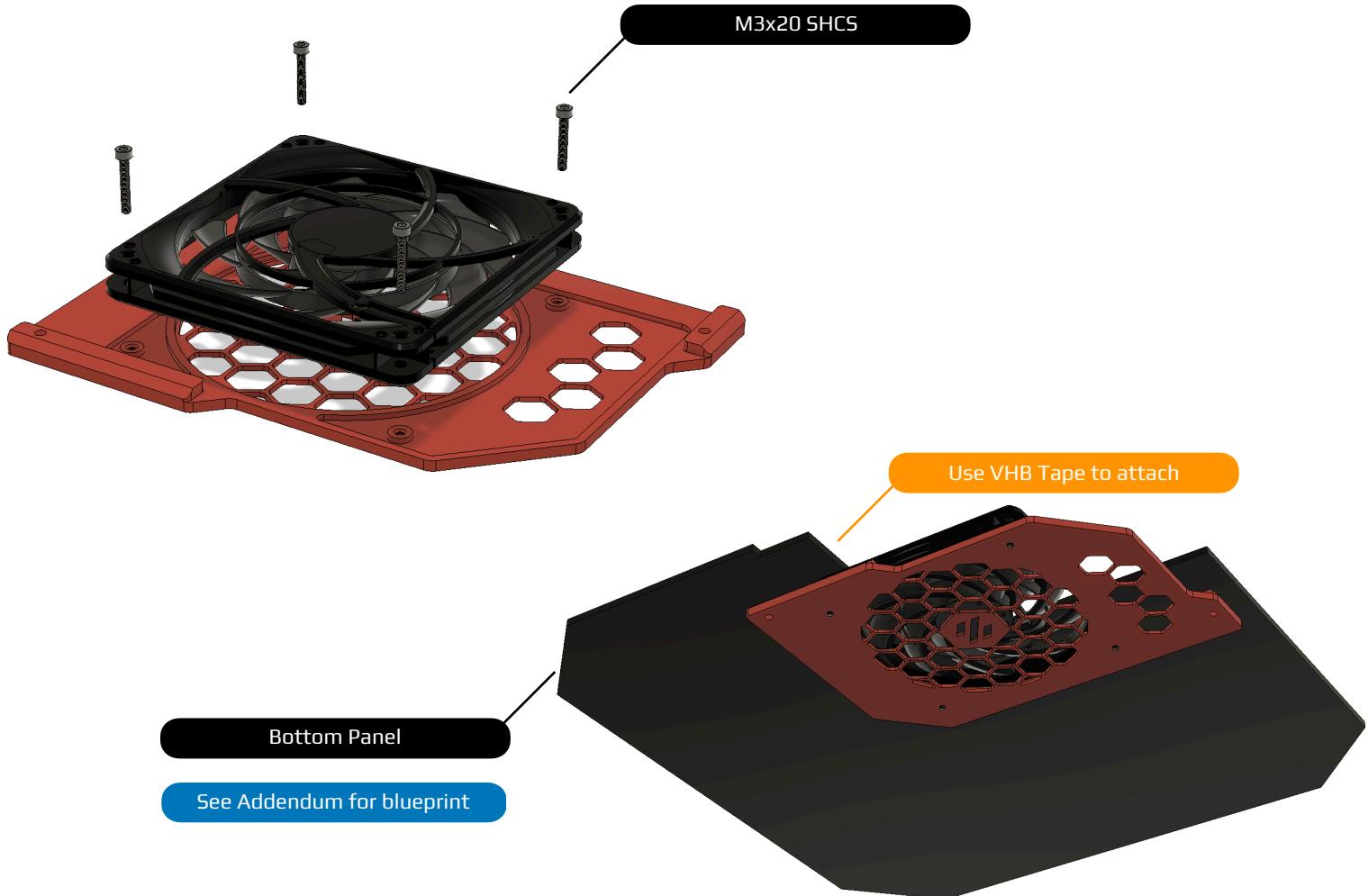
Lower Compartment



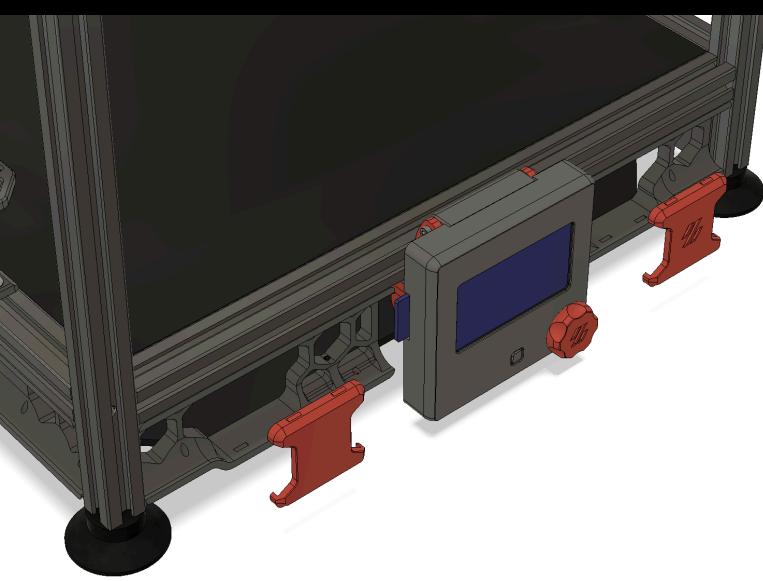
Lower Compartment



Lower Compartment



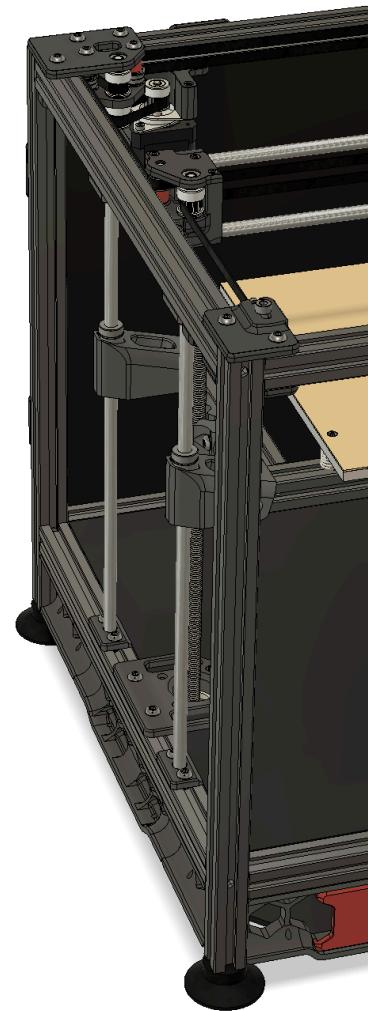
Panels



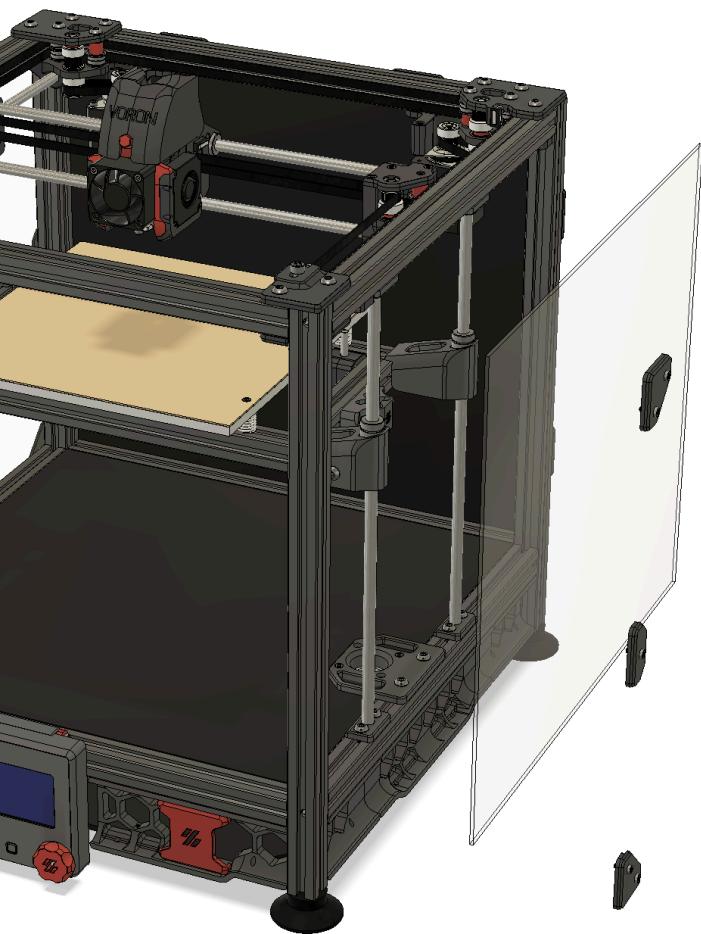
M3x8 SHCS



M3x10 SHCS



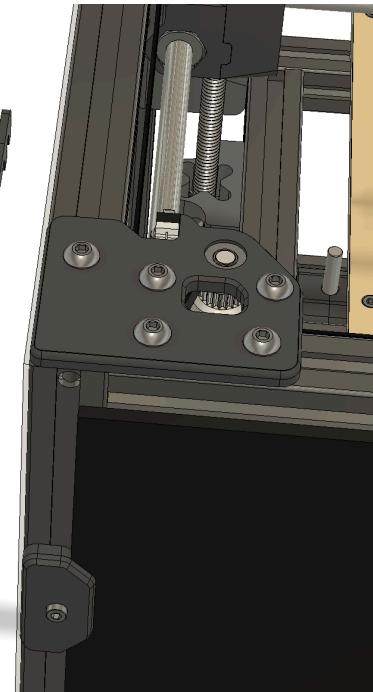
Panels / Extruder



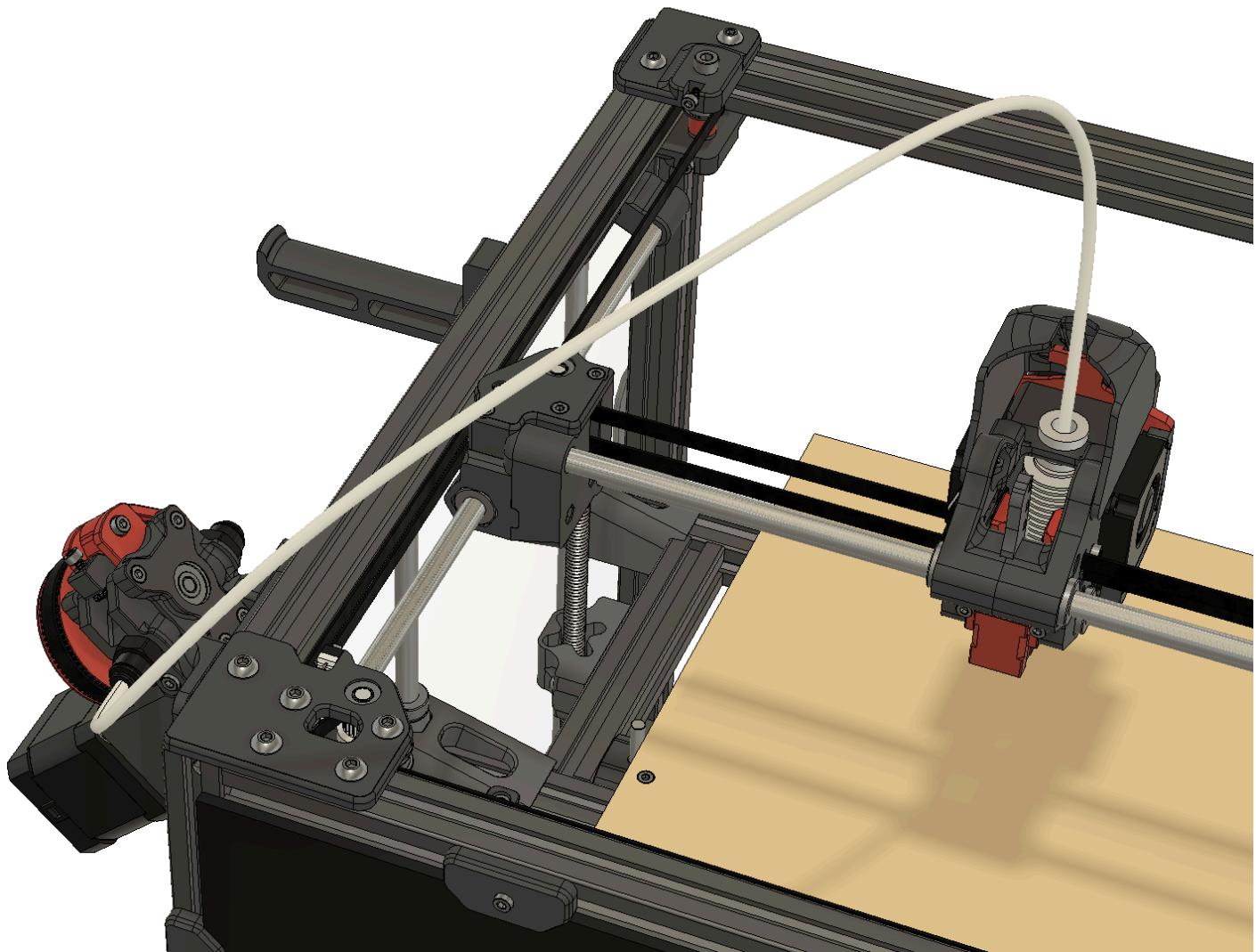
M3x8 SHCS

M5x12 BHCS

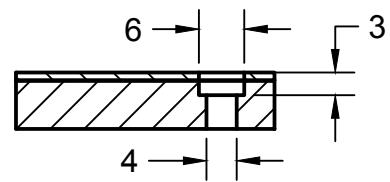
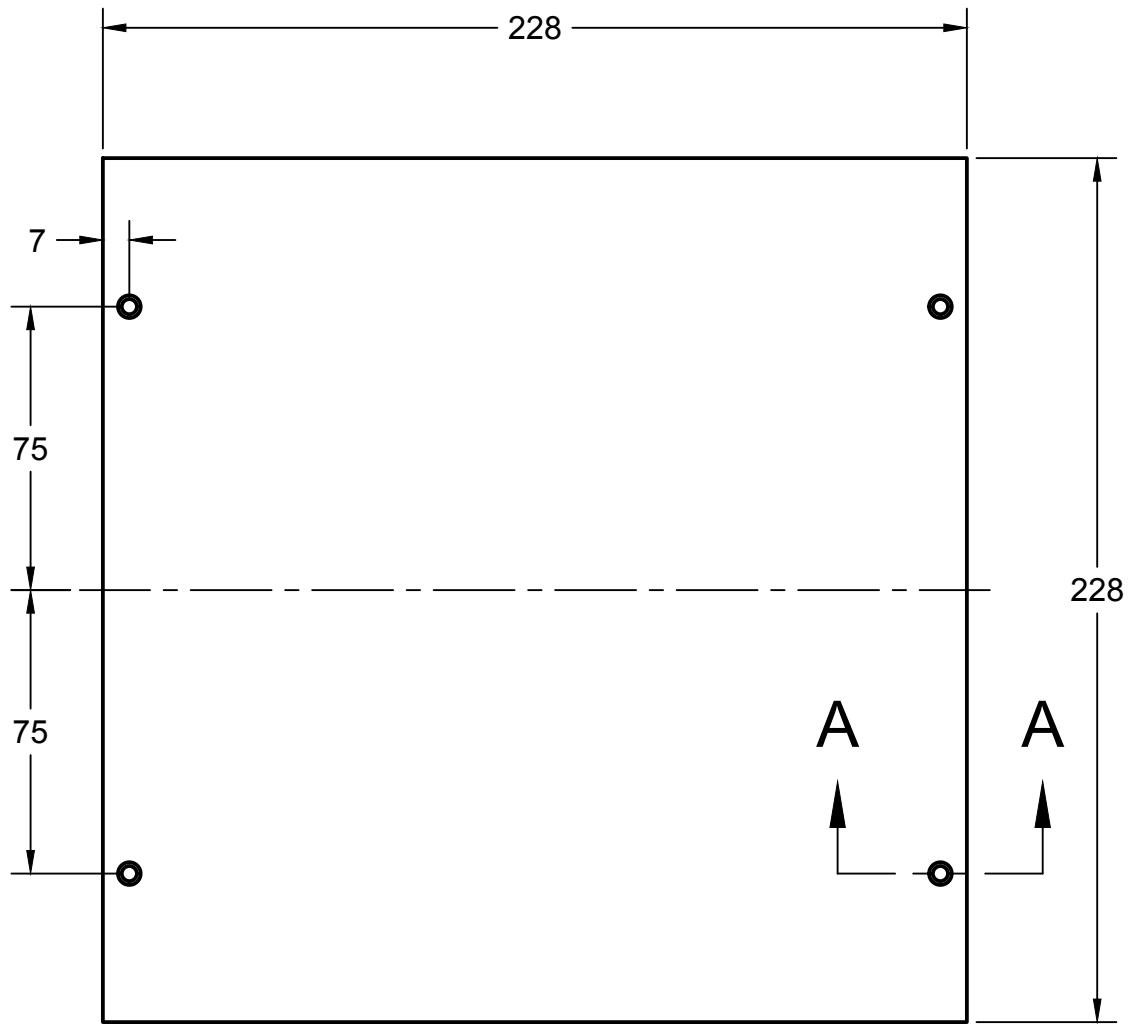
M5x10 BHCS



Bowden Tube







PROJECT
VORON1.6

TITLE
VORON1 Bed Plate

APPROVED

SIZE

CODE

DWG NO

REV

CHECKED

A

DRAWN

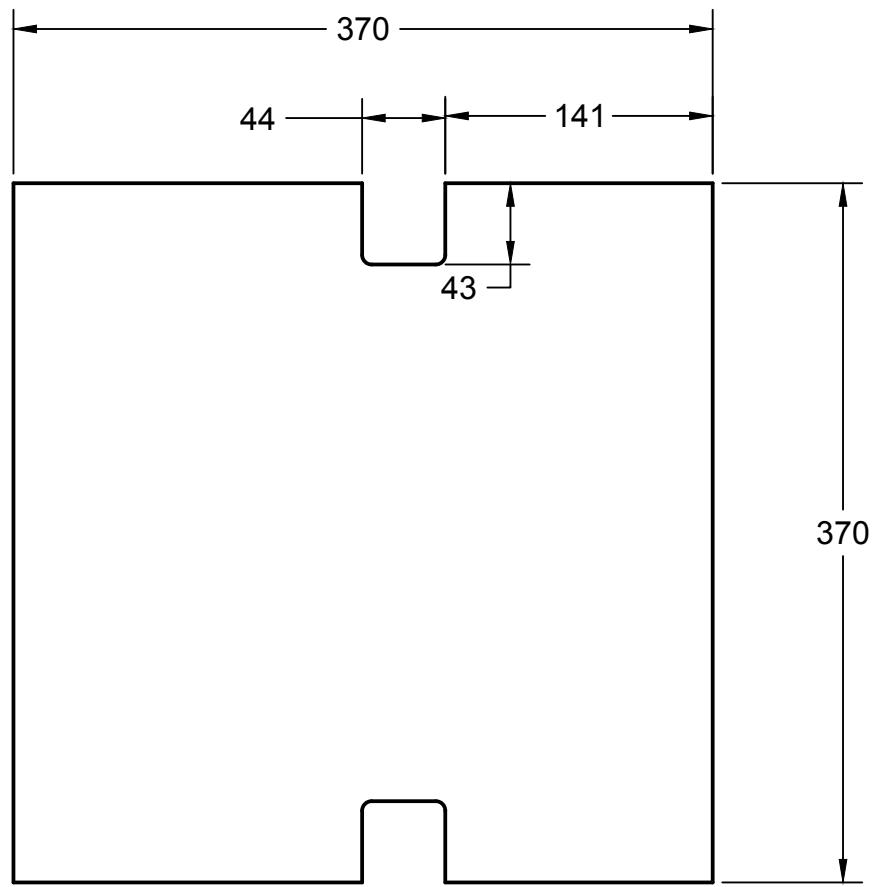
Maks Zolin

12/1/18

SCALE 1:2

WEIGHT

SHEET 1/1



PROJECT
VORON1.6

TITLE
VORON1.6 Deck Panel

APPROVED

SIZE

CODE

DWG NO

REV

CHECKED

A

DRAWN

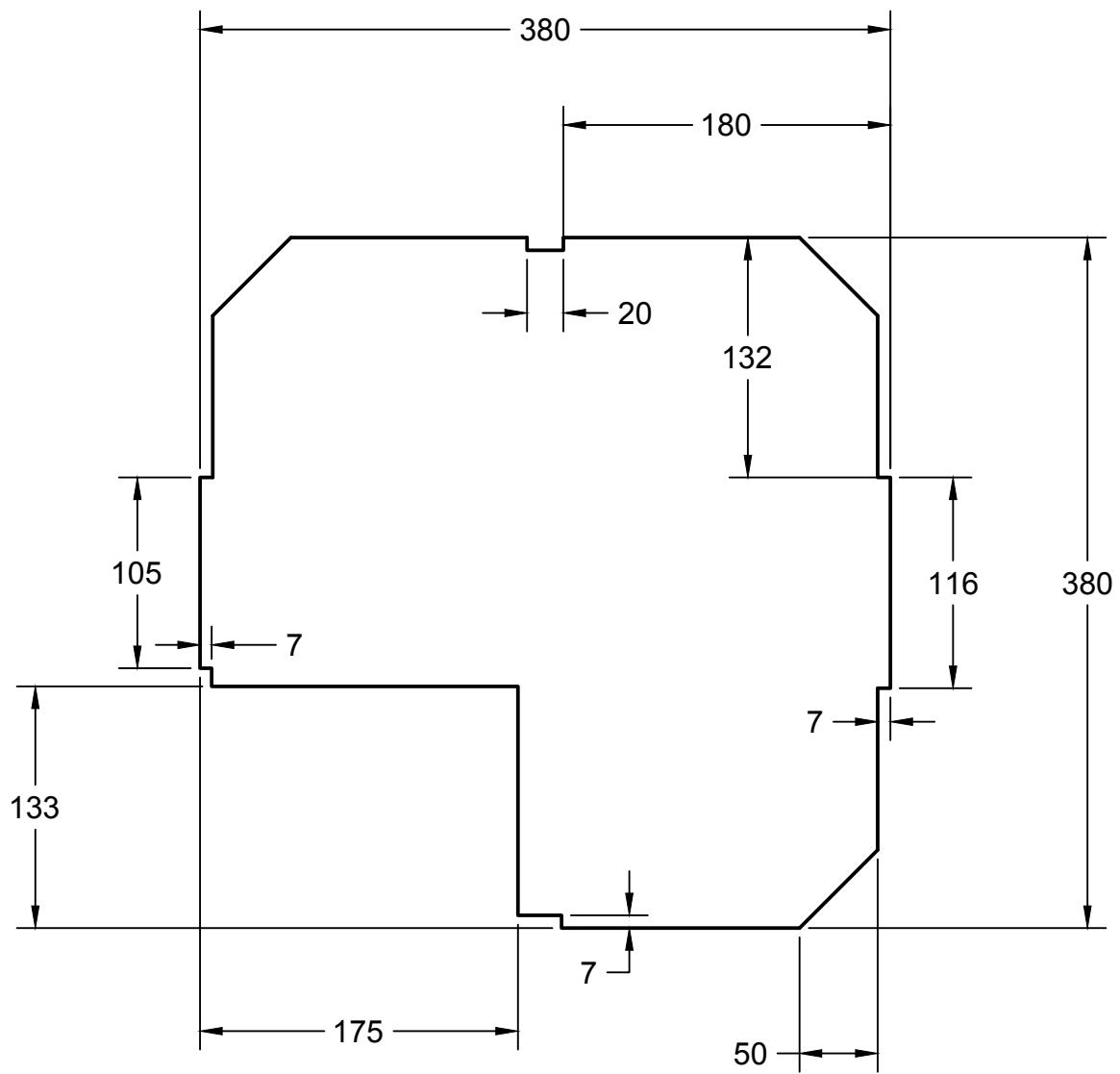
Maks Zolin

12/1/18

SCALE 1:4

WEIGHT

SHEET 1/1



PROJECT
VORON 1.6

TITLE
Bottom Panel

APPROVED

SIZE

CODE

DWG NO

REV

CHECKED

A

DRAWN

Maks Zolin

12/12/18

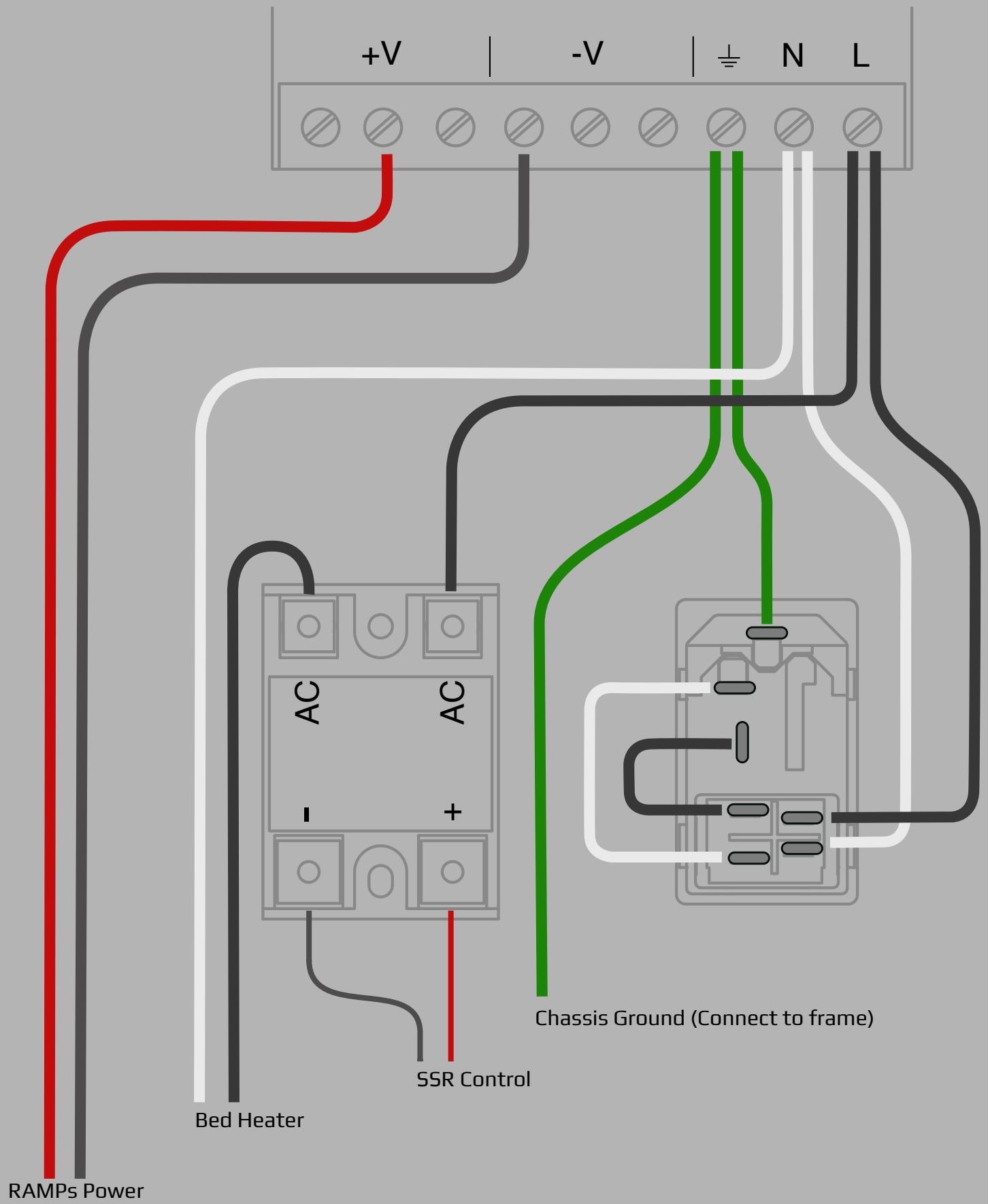
SCALE 1:4

WEIGHT

SHEET 1/1

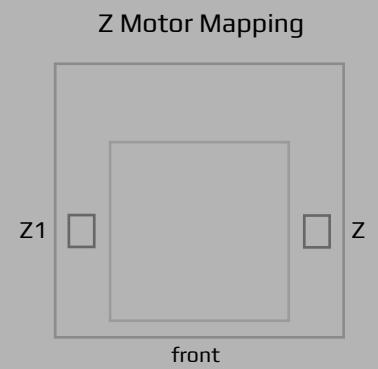
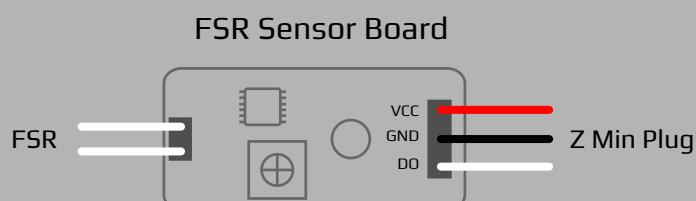
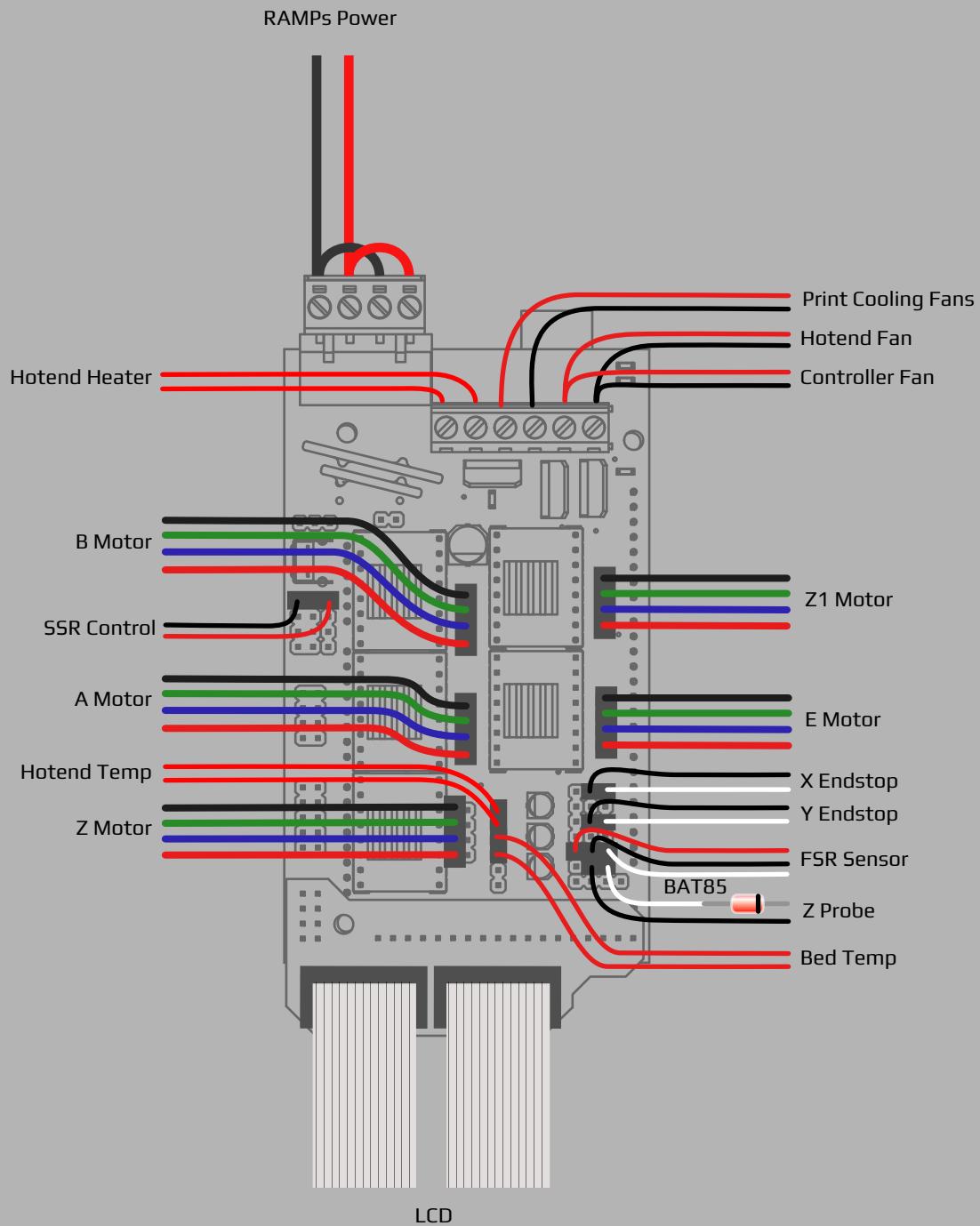
VORON1.6 Wiring

Power Supply / SSR



VORON1.6 Wiring

MCU (RAMPs)



VORON1.6 Wiring

Toolhead

