



VORON2
v2.1

Assembly Manual





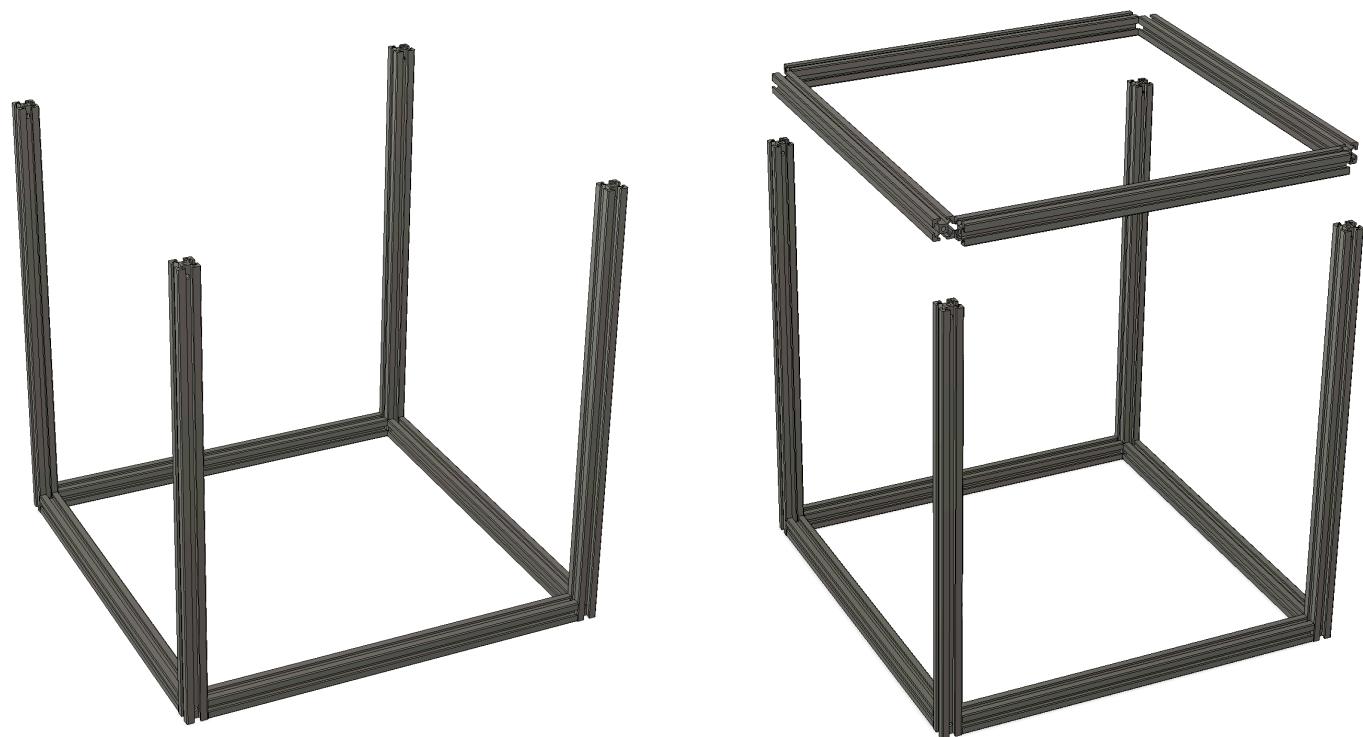
Review the entire manual before beginning assembly

Use common sense when assembling the printer

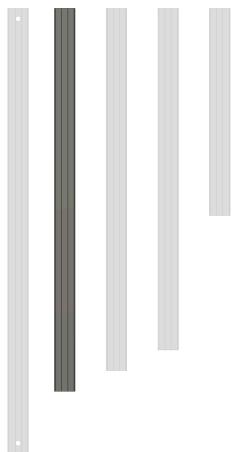
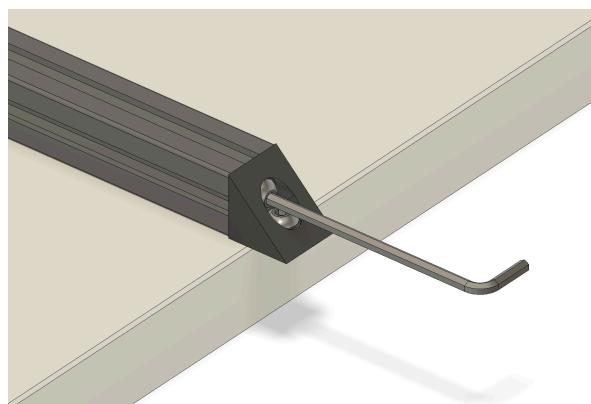
When in doubt, **ask questions**

... and good luck

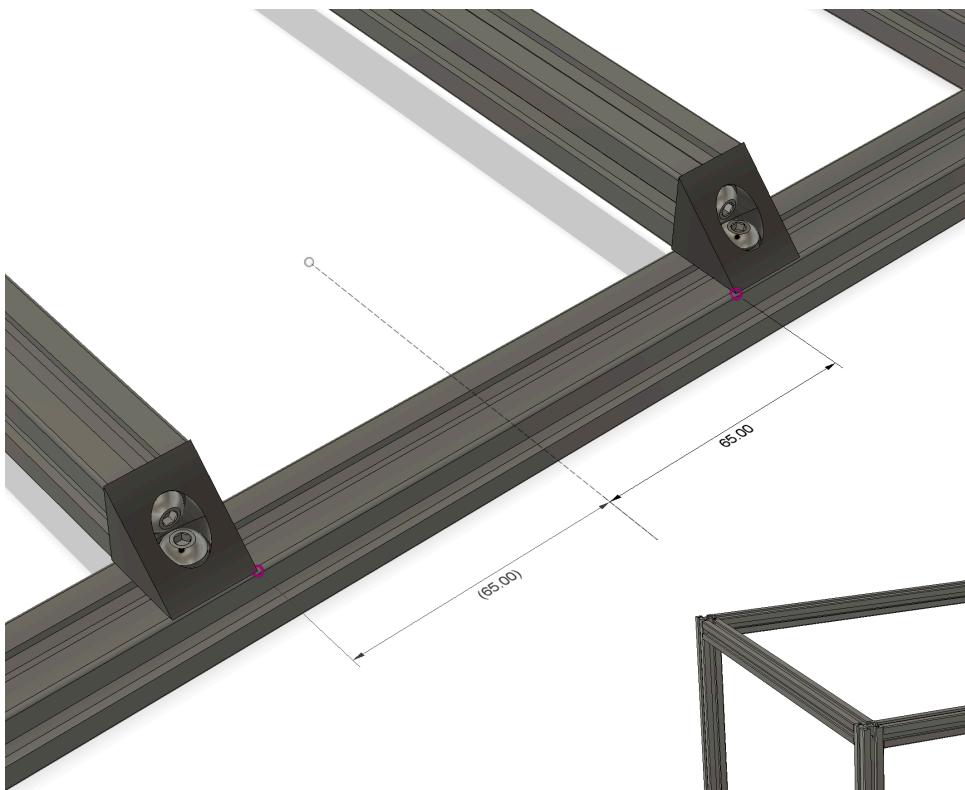
Frame



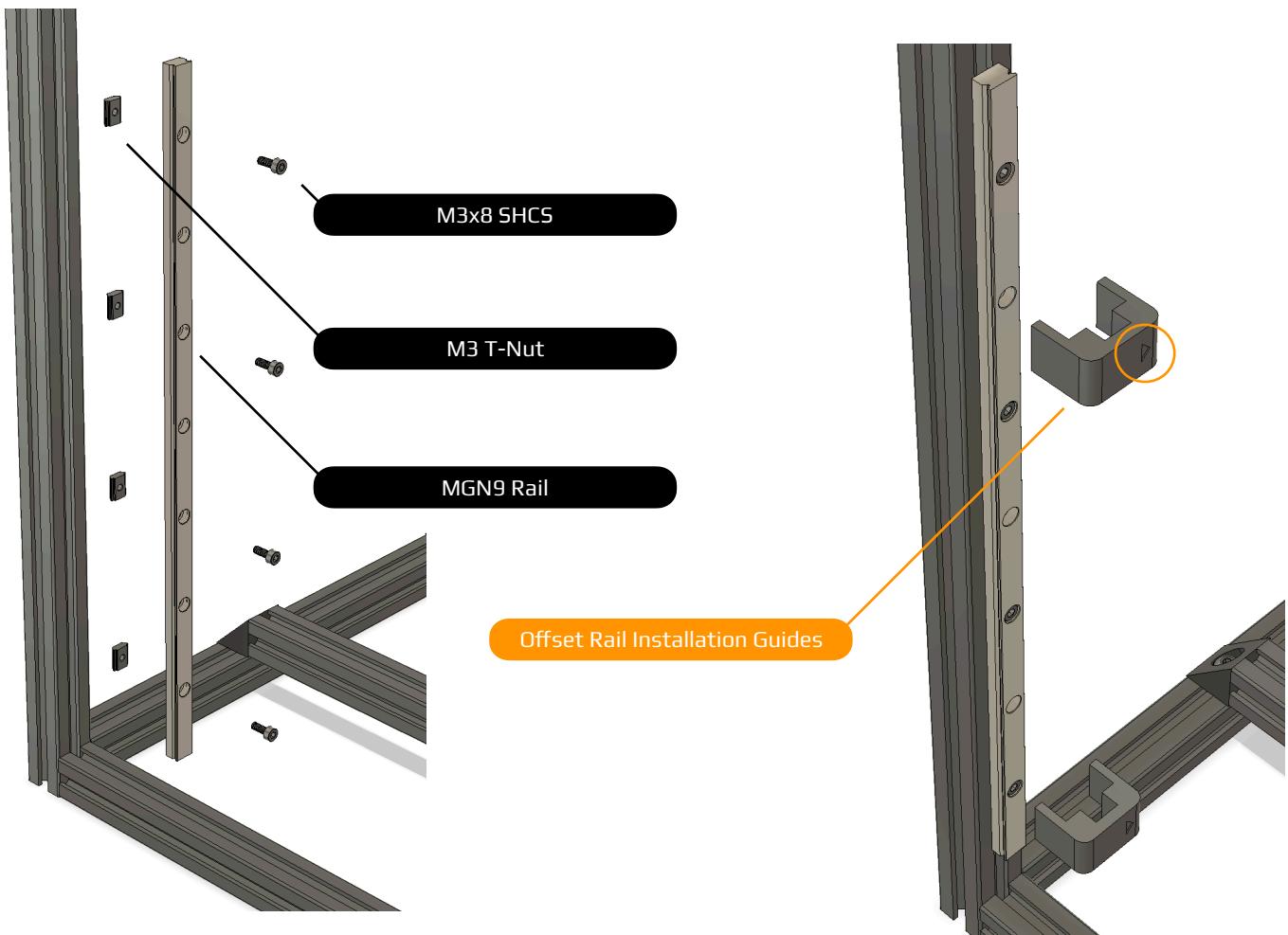
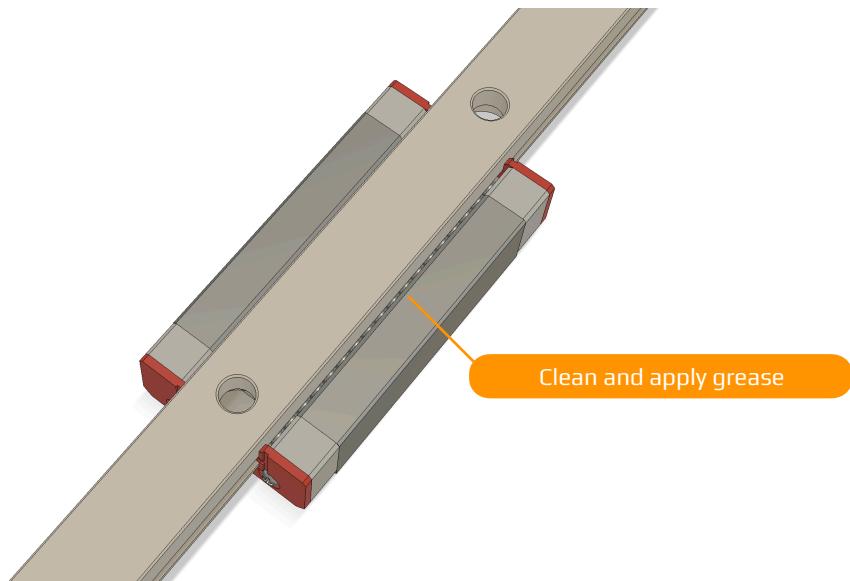
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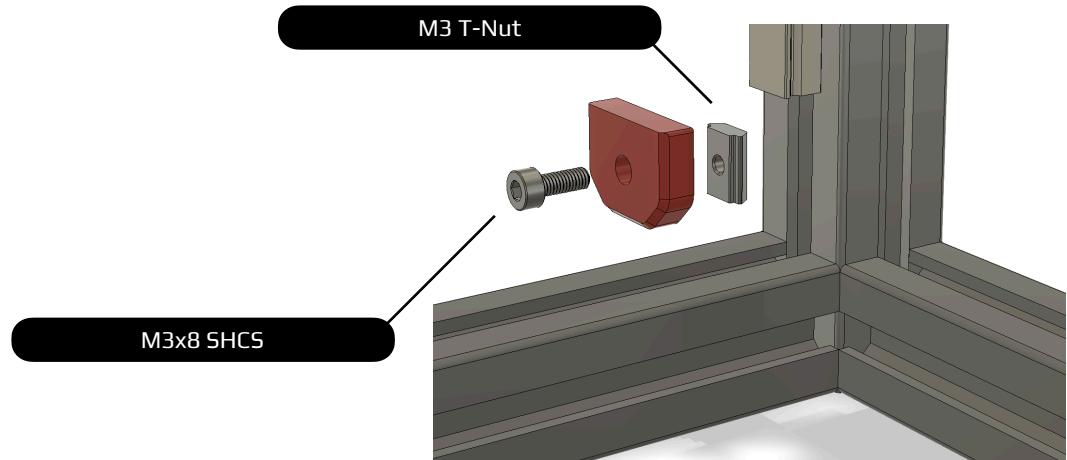
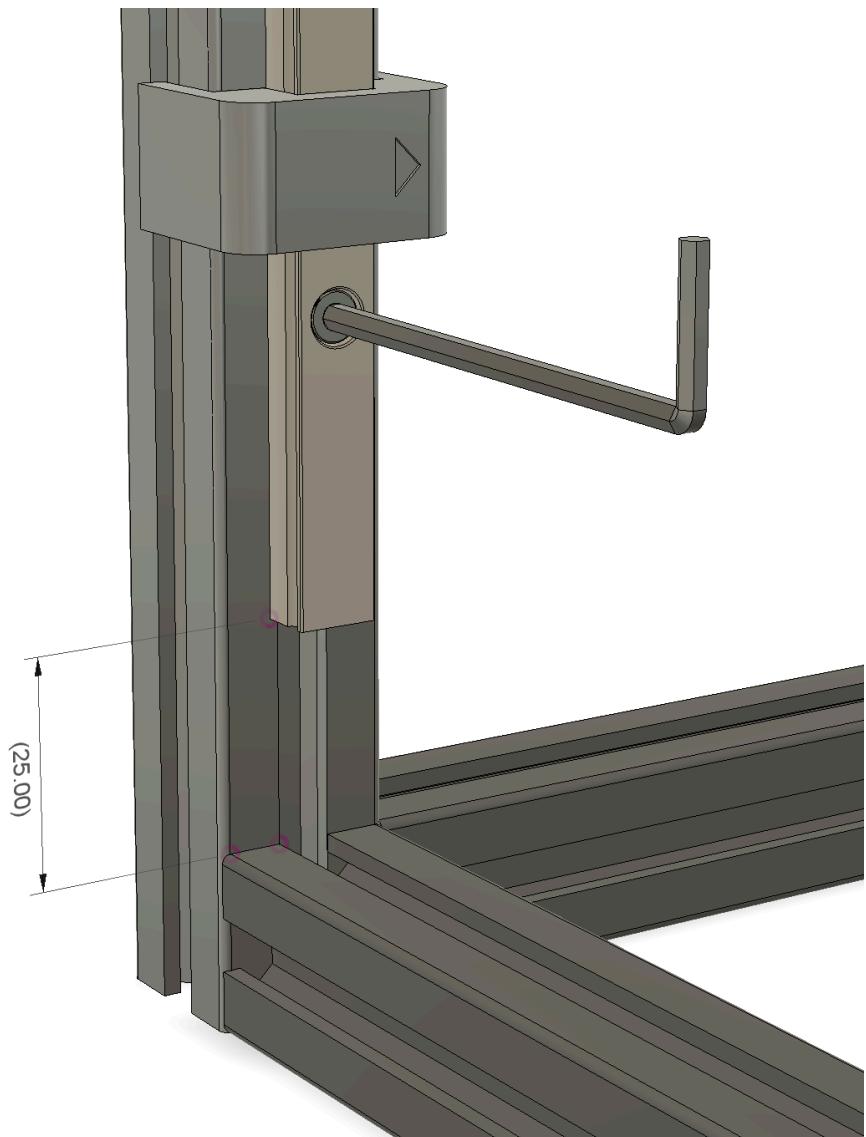
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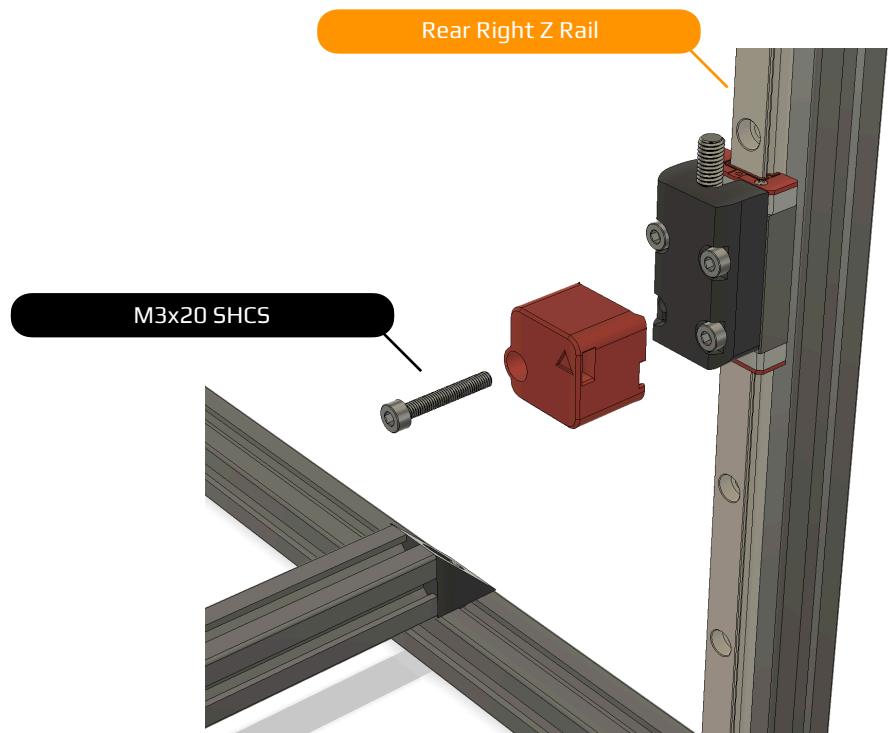
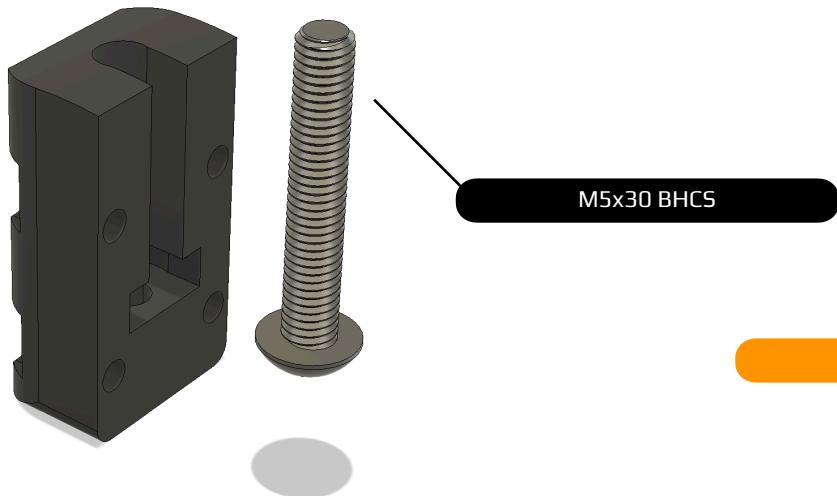
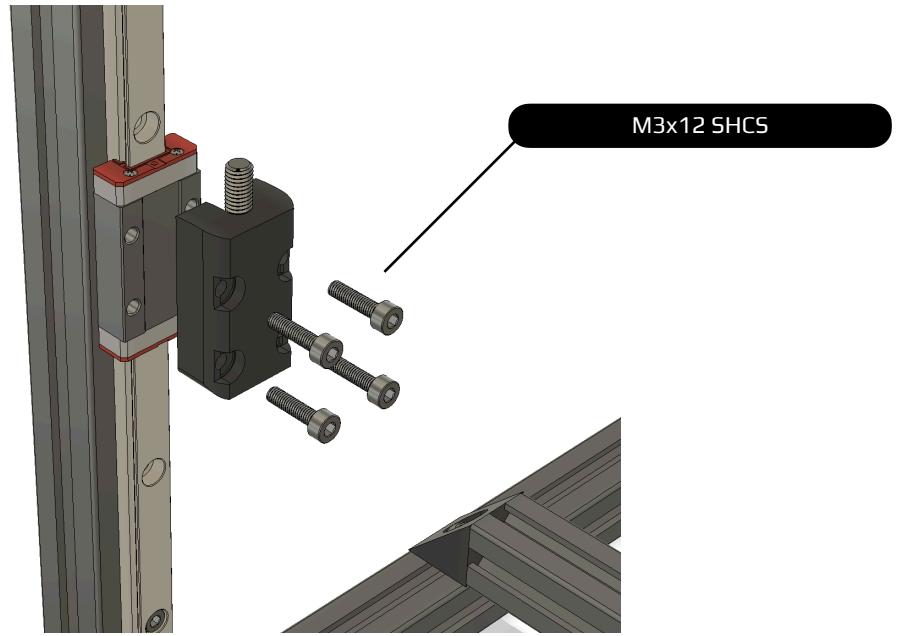
Z Rails



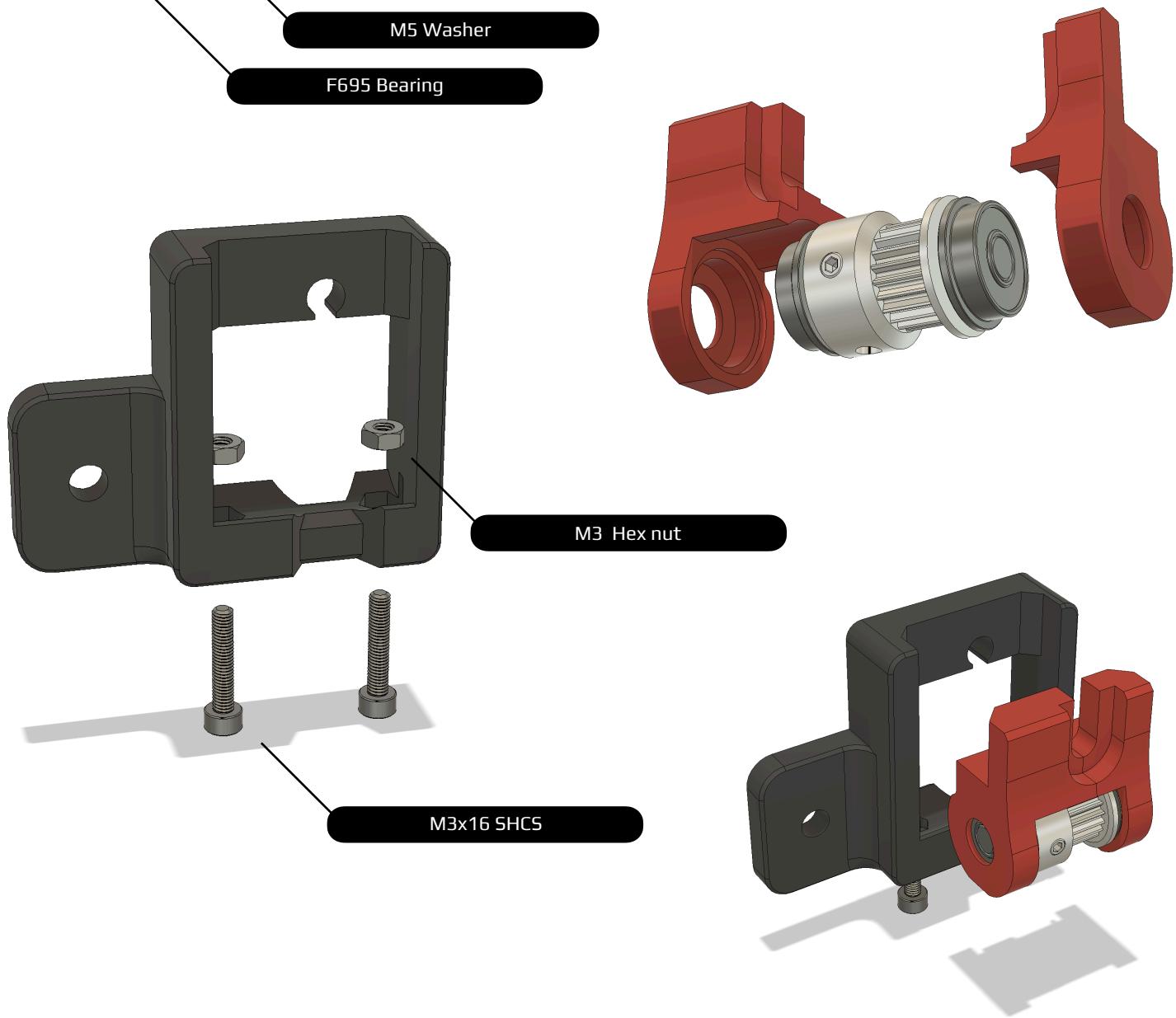
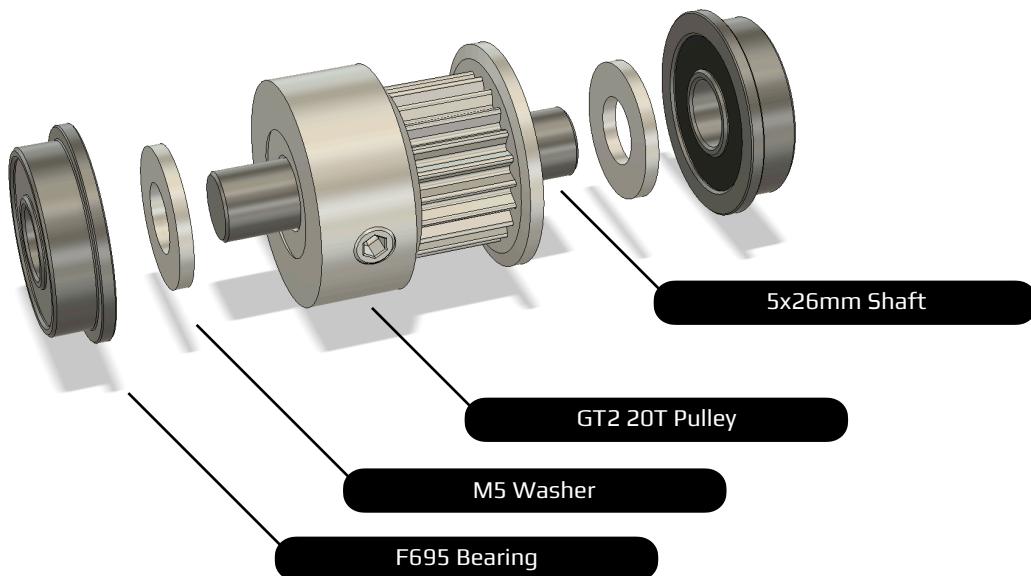
Z Rails



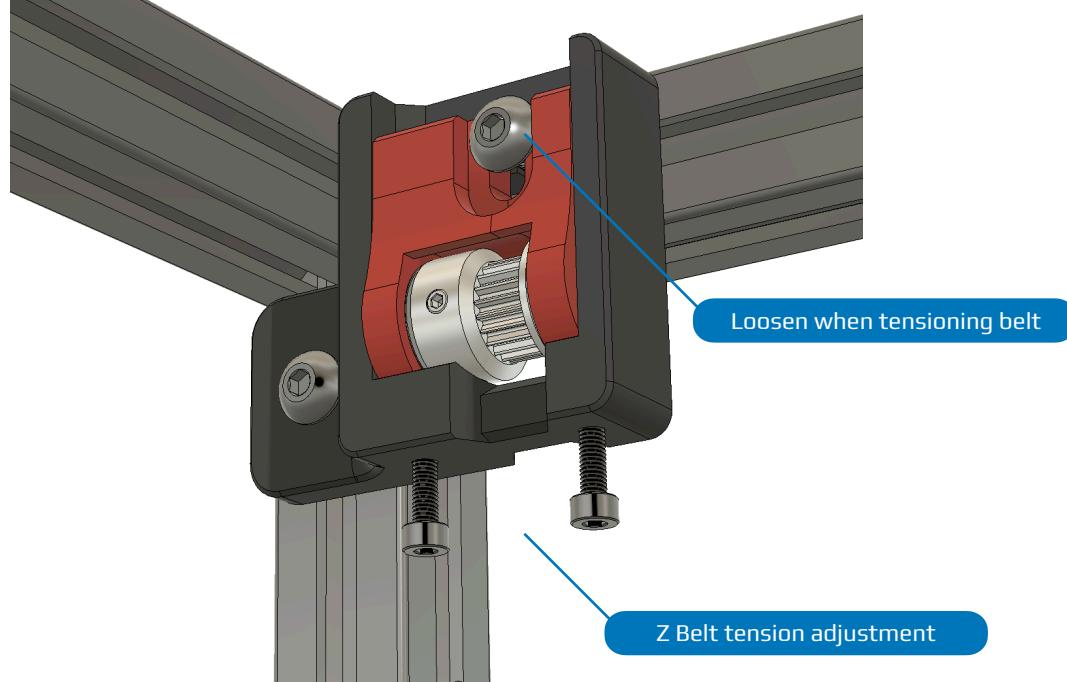
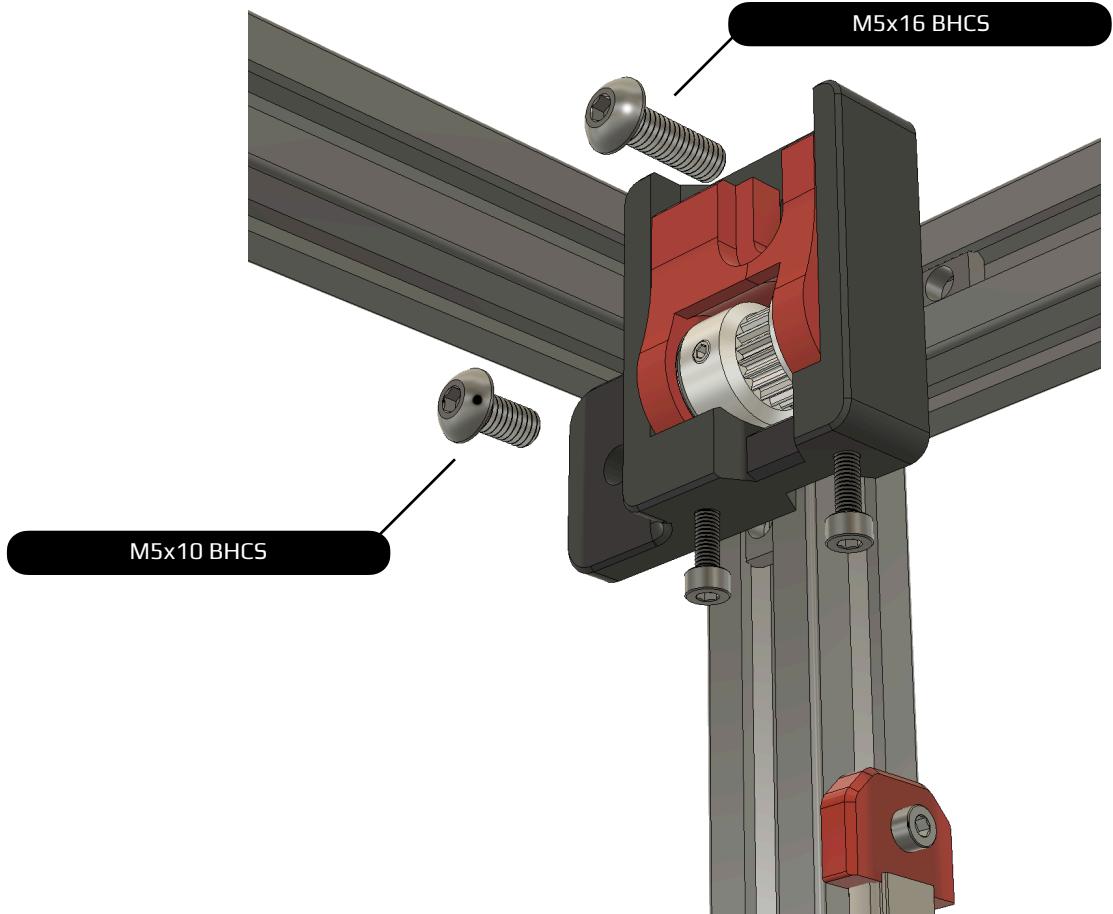
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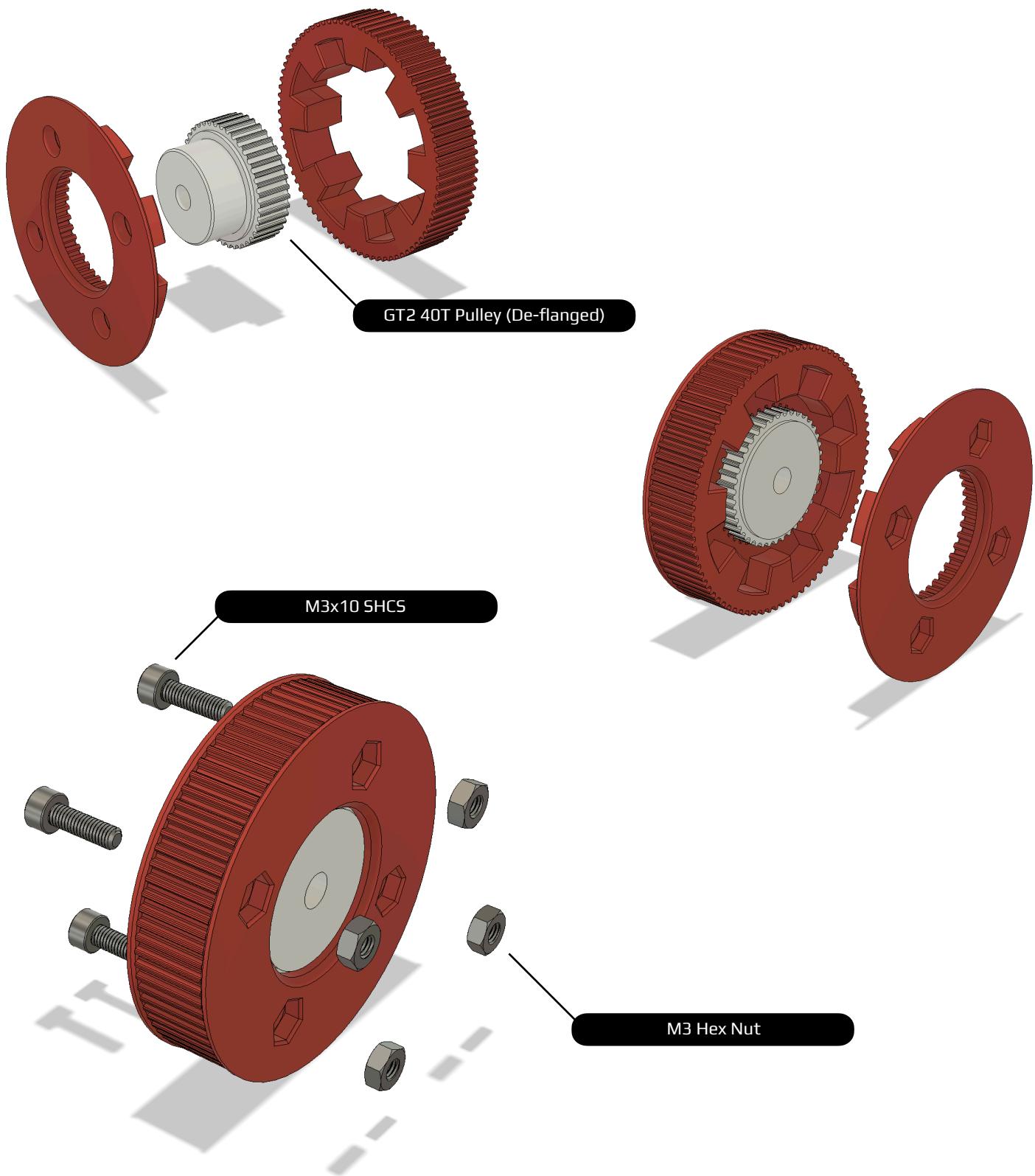
Z Idlers / Tensioners



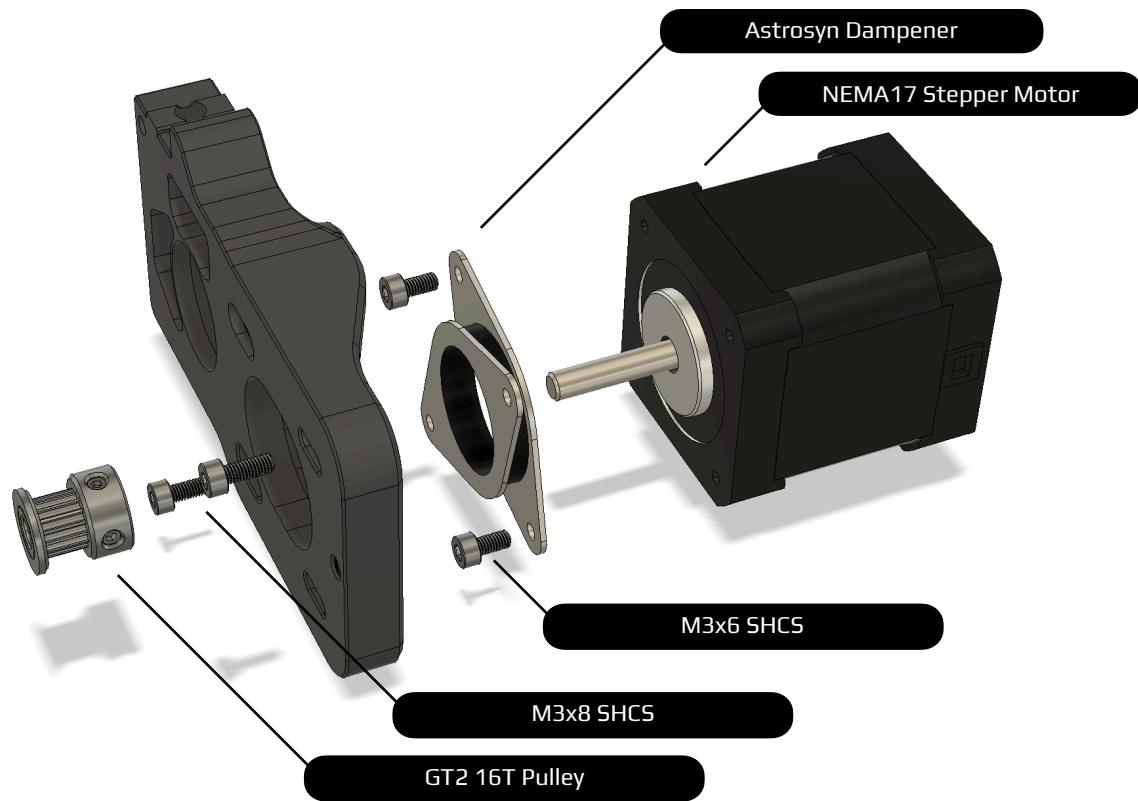
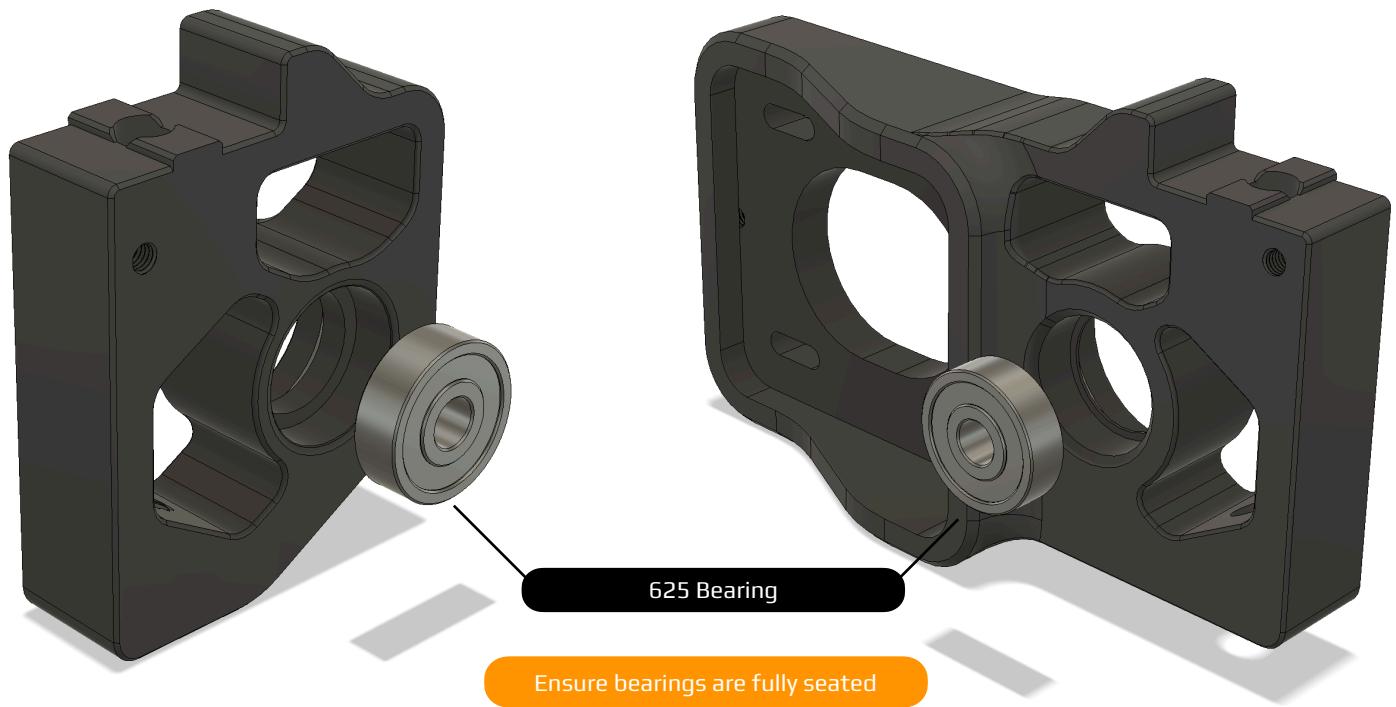
Z Idlers / Tensioners



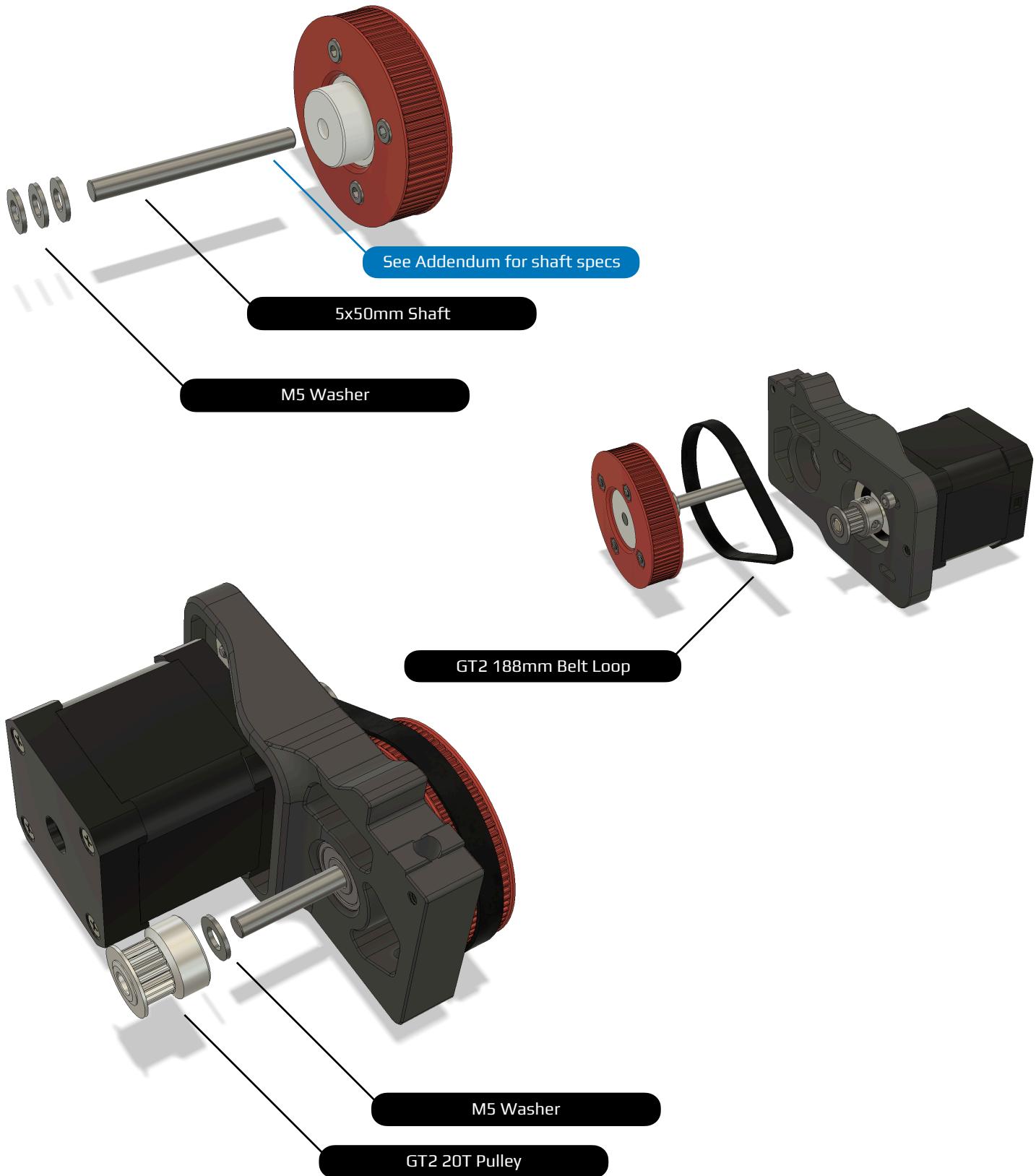
Z Drive Units



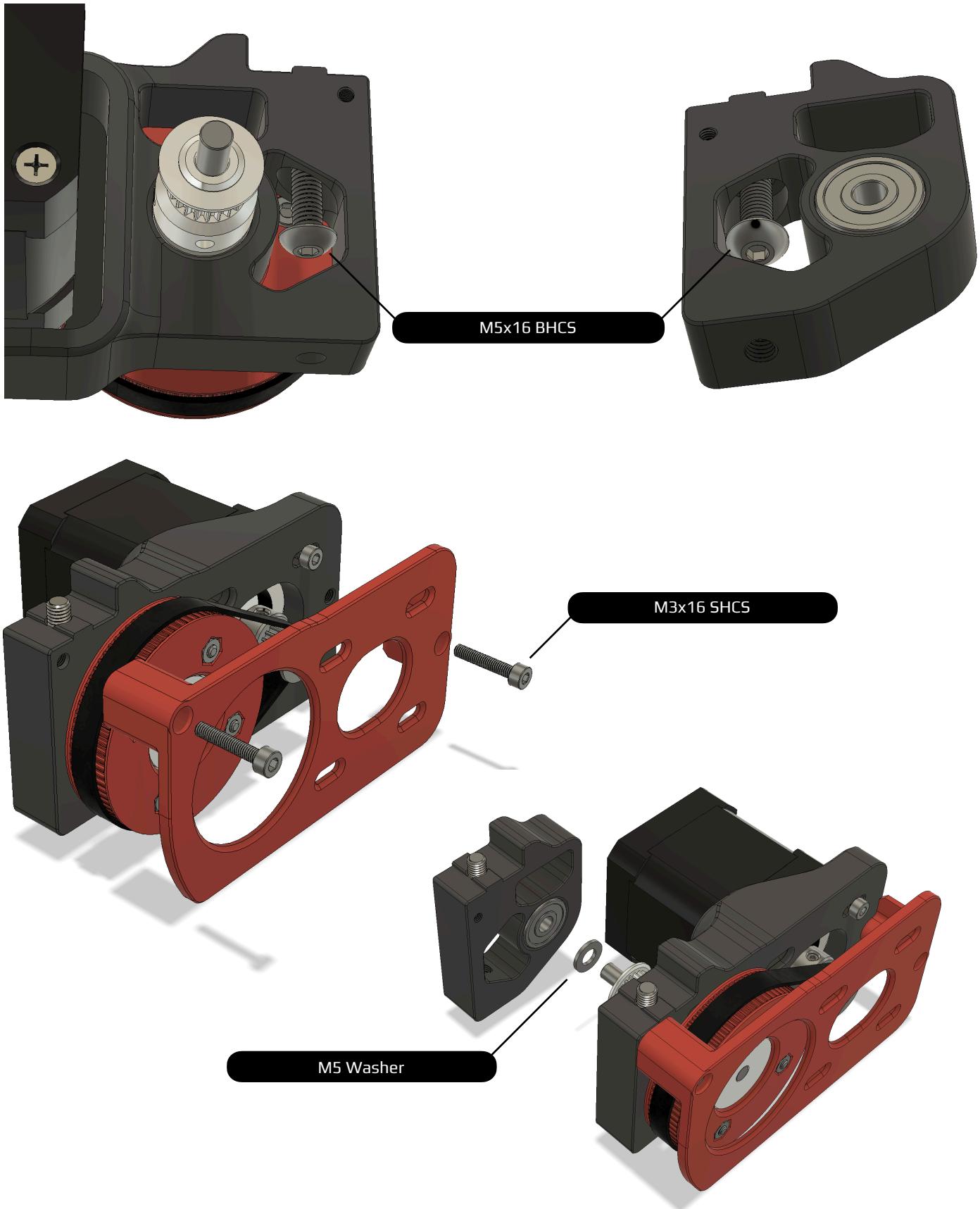
Z Drive Units



Z Drive Units



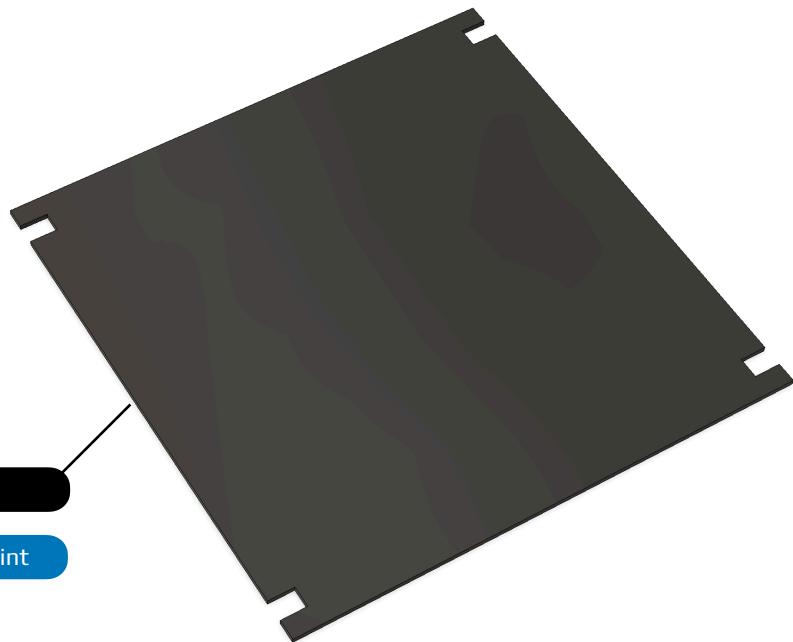
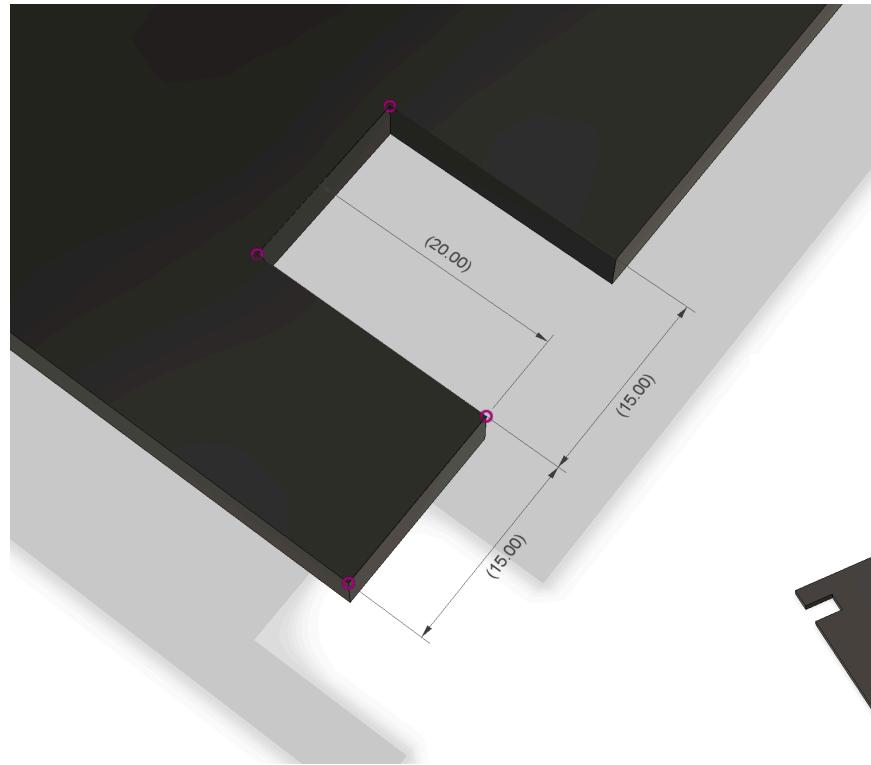
Z Drive Units



Z Drive Units



Deck Panel

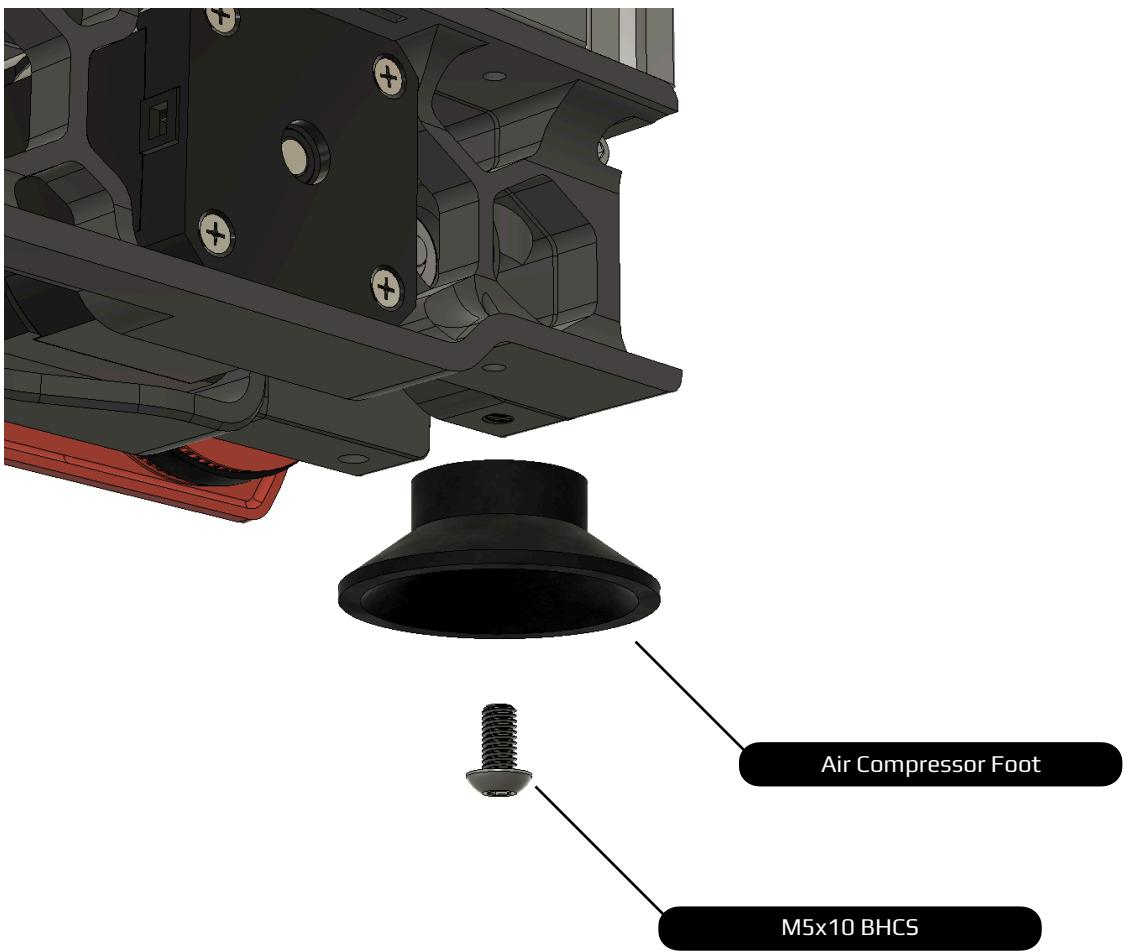
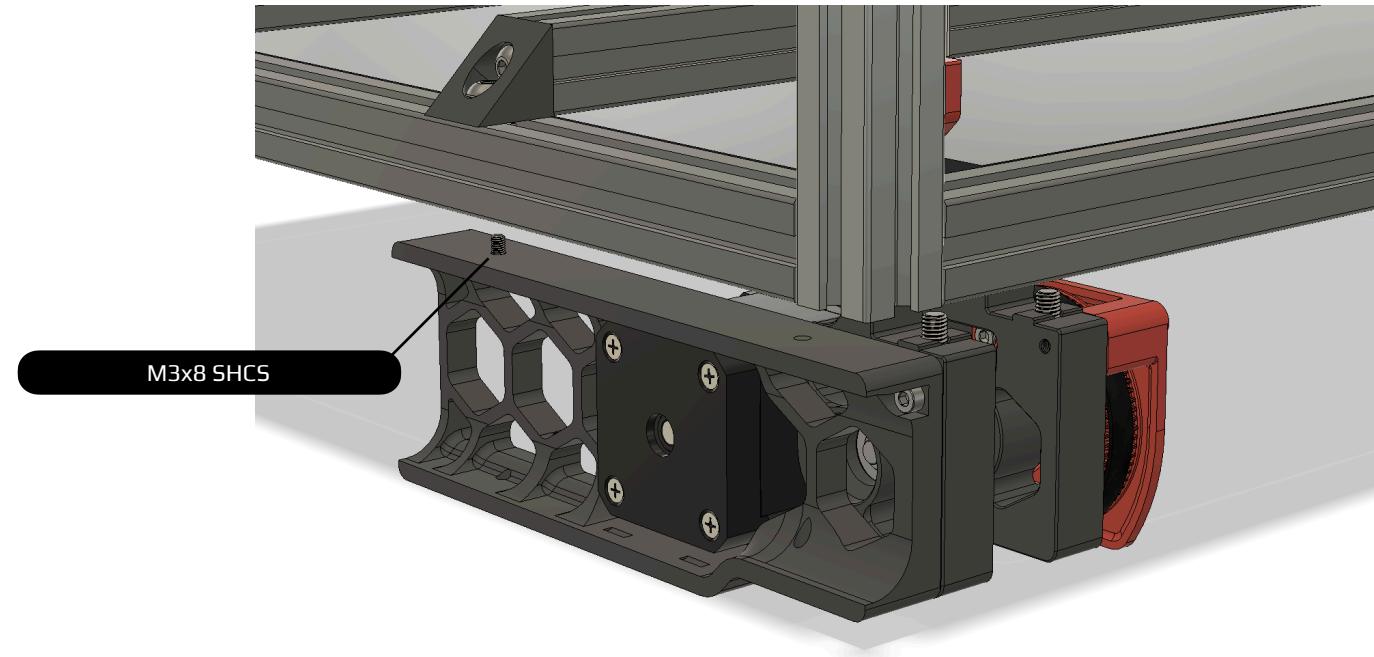


Coroplast Sheet

See Addendum for blueprint

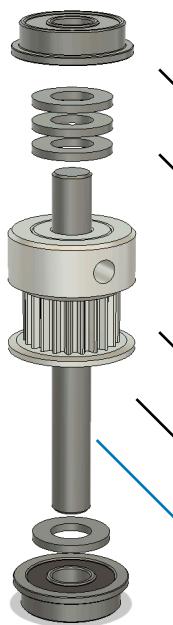


Z Drives





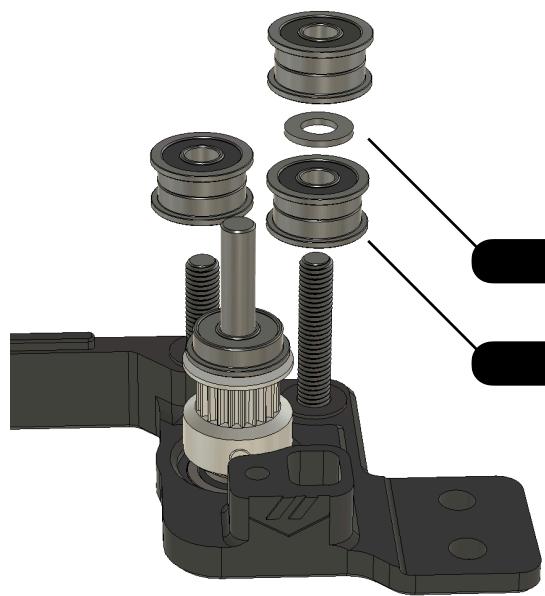
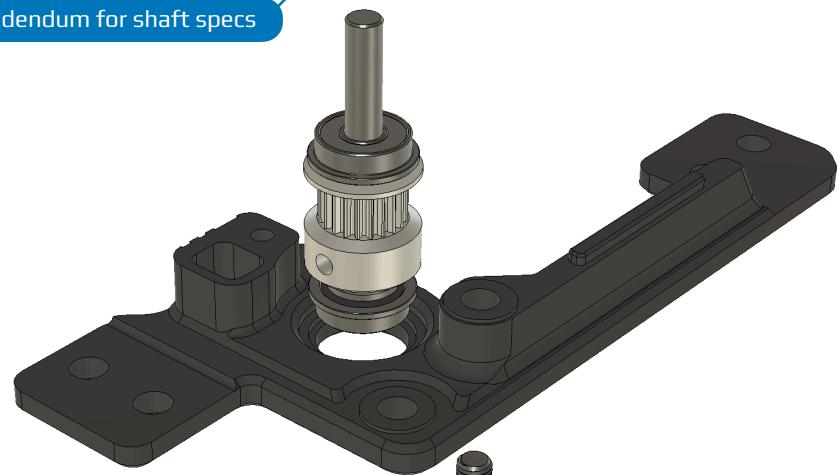
B Driveshaft



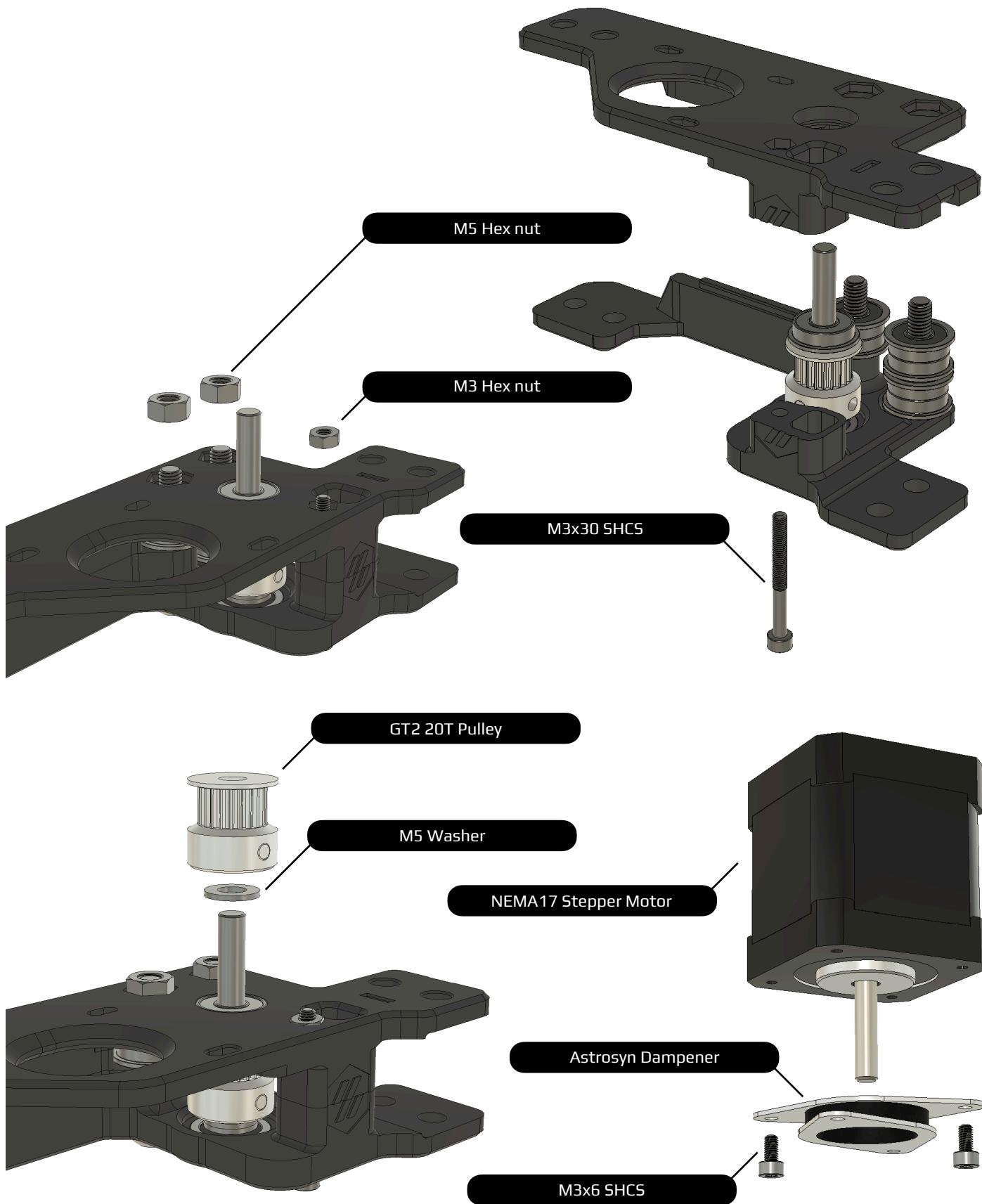
A Driveshaft

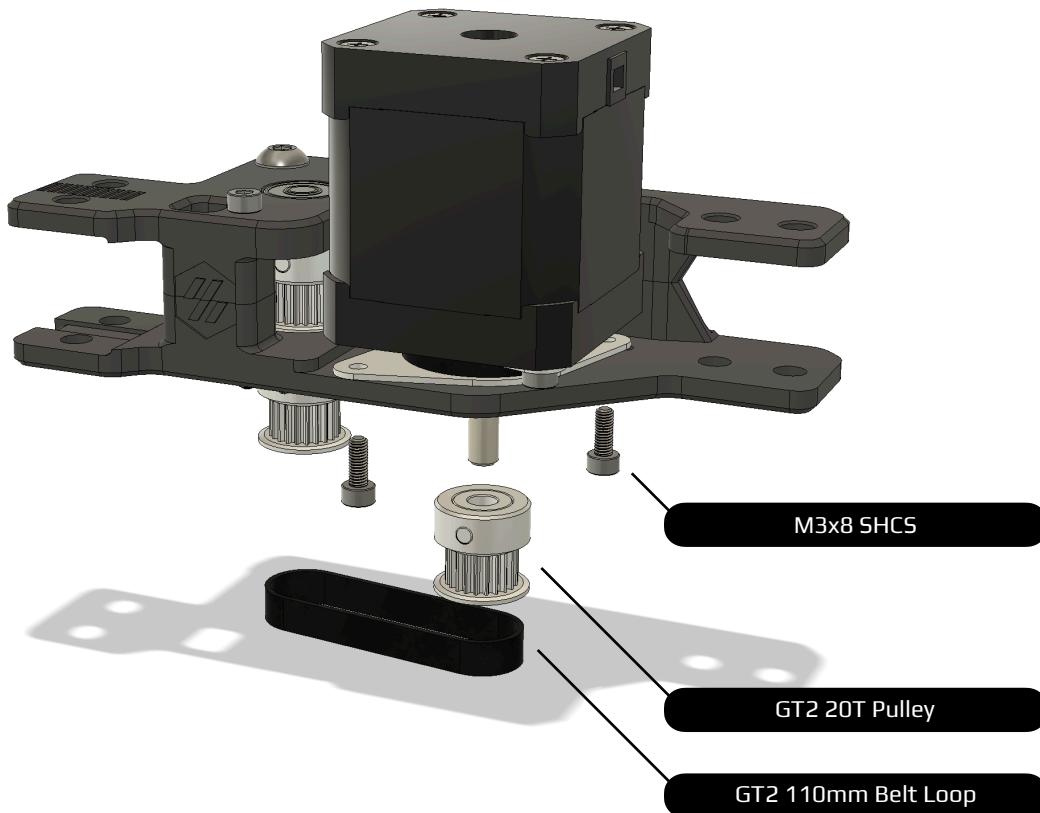


See Addendum for shaft specs

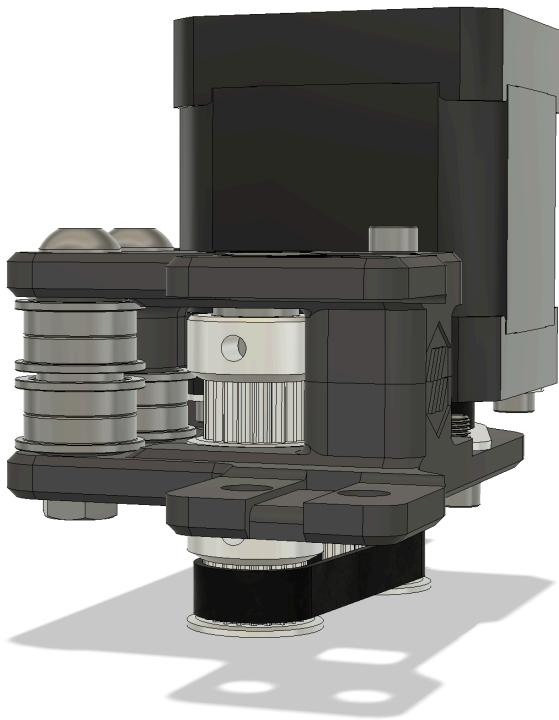


A / B Drive Units





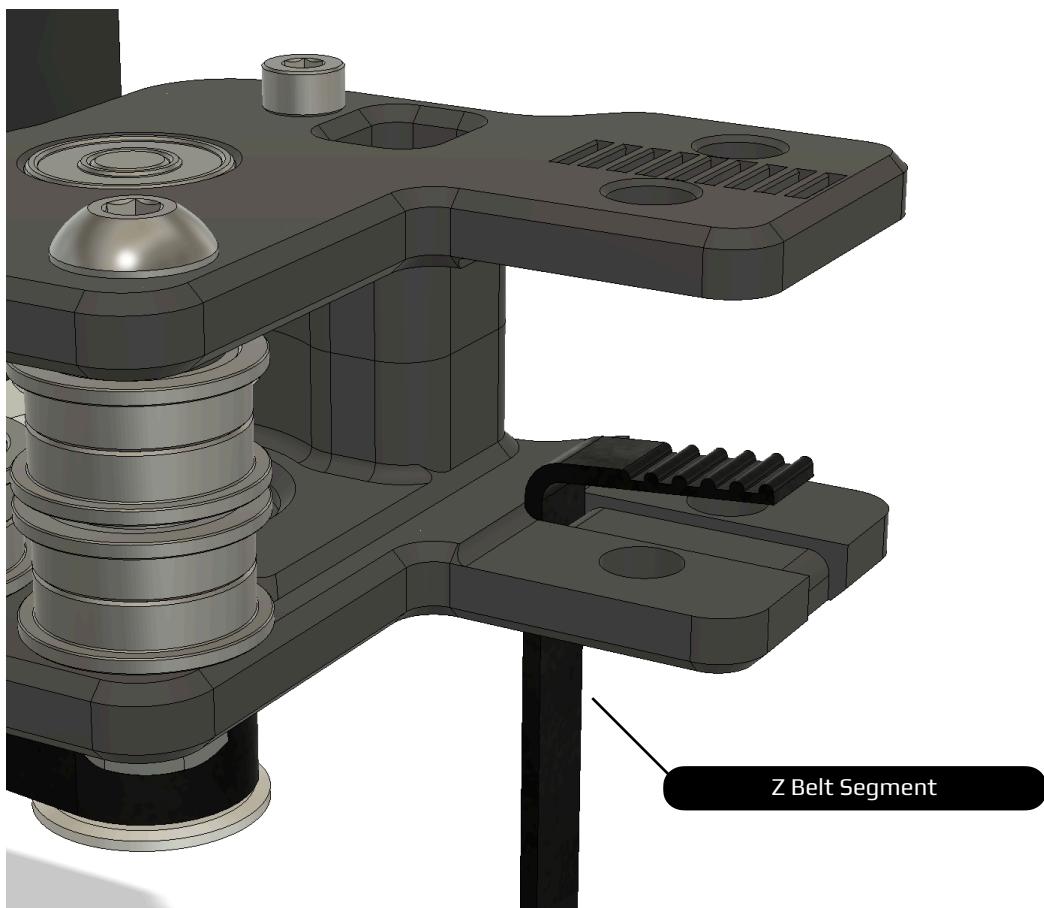
B Drive Unit



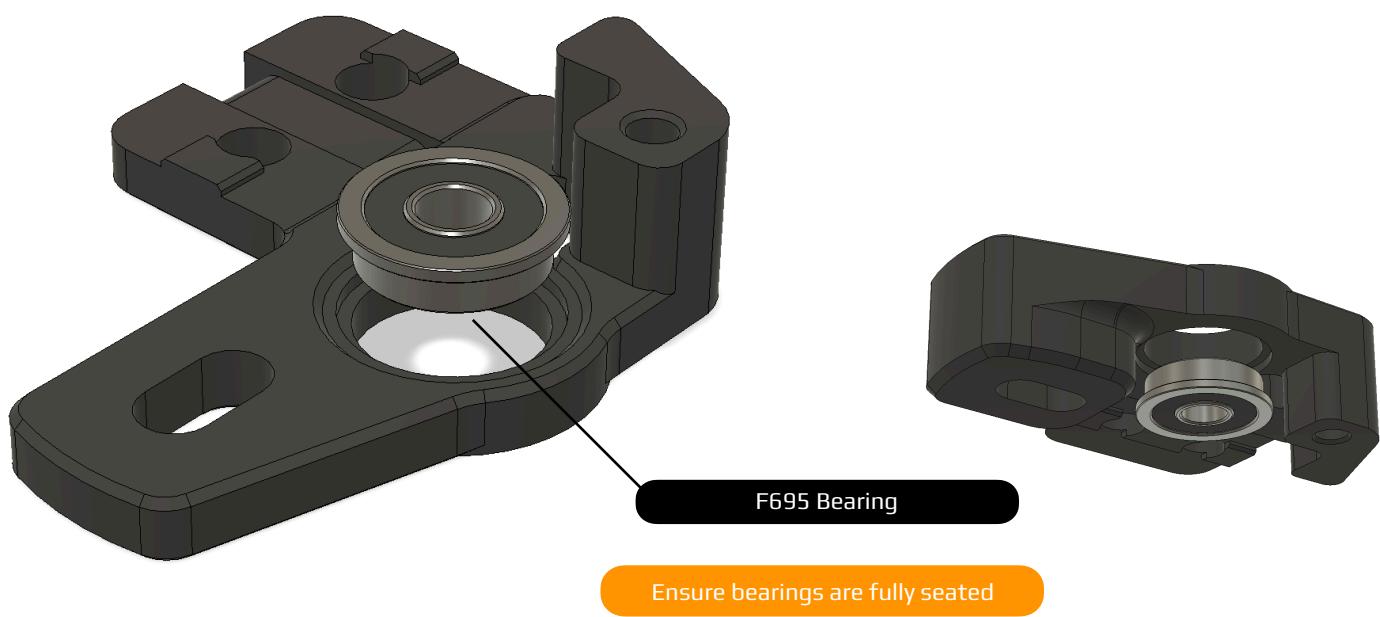
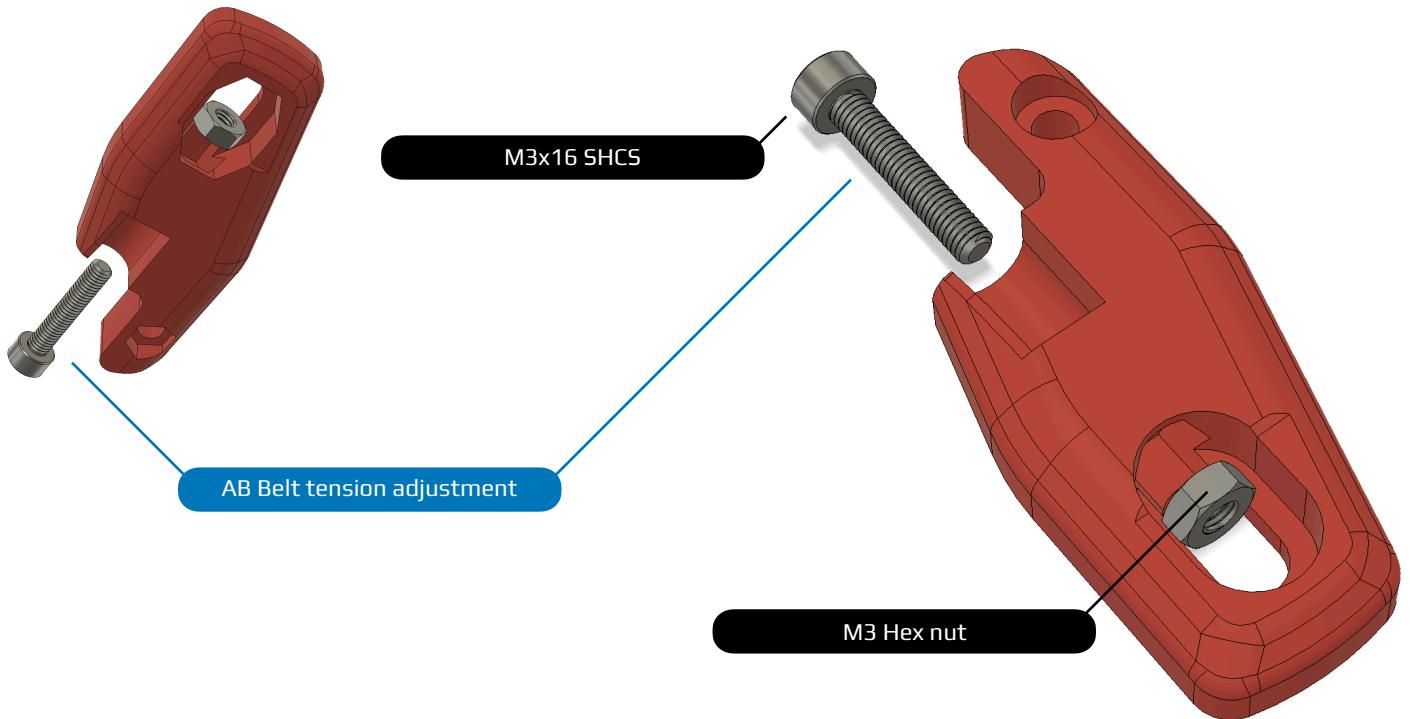
A Drive Unit



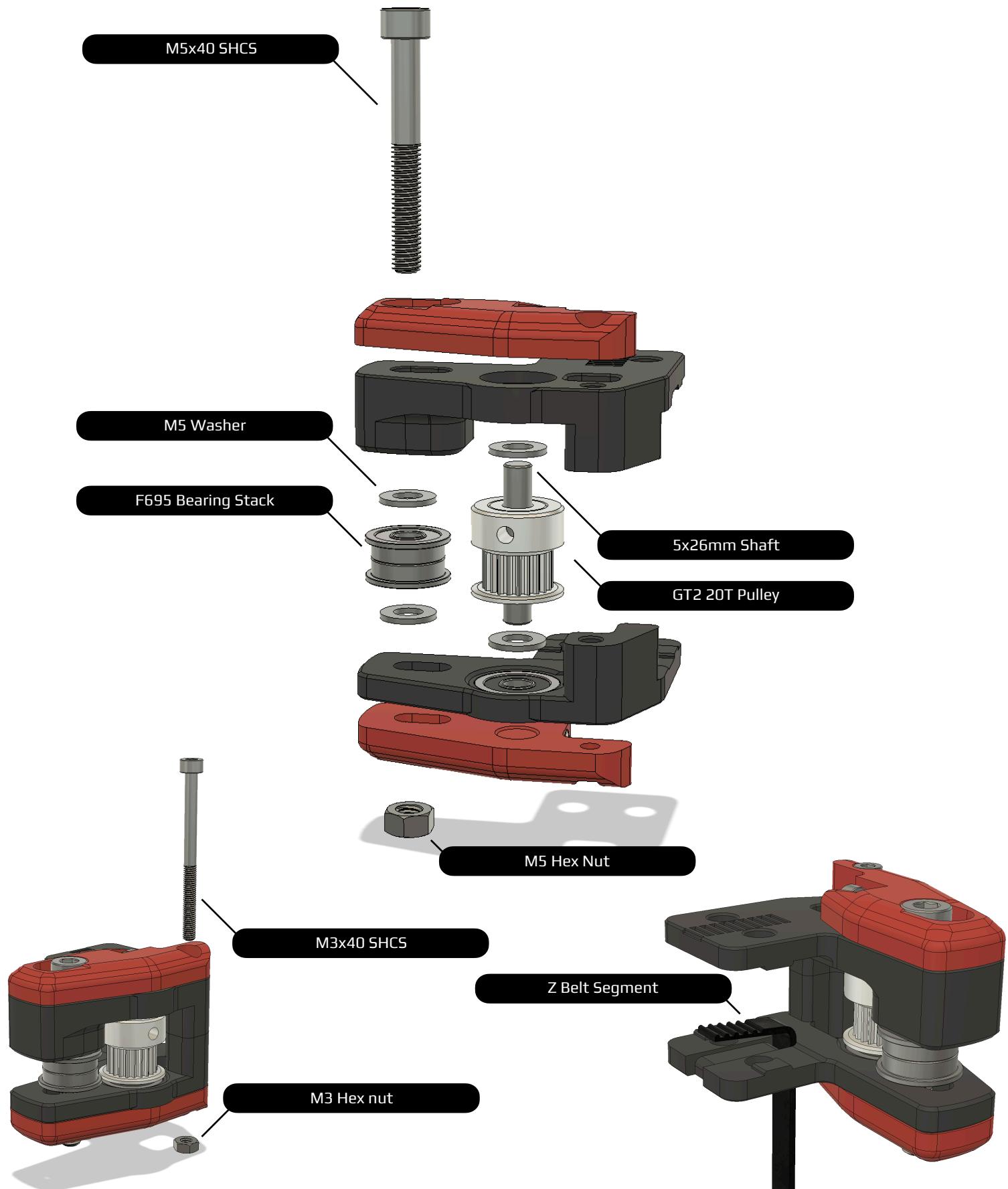
A / B Drive Units



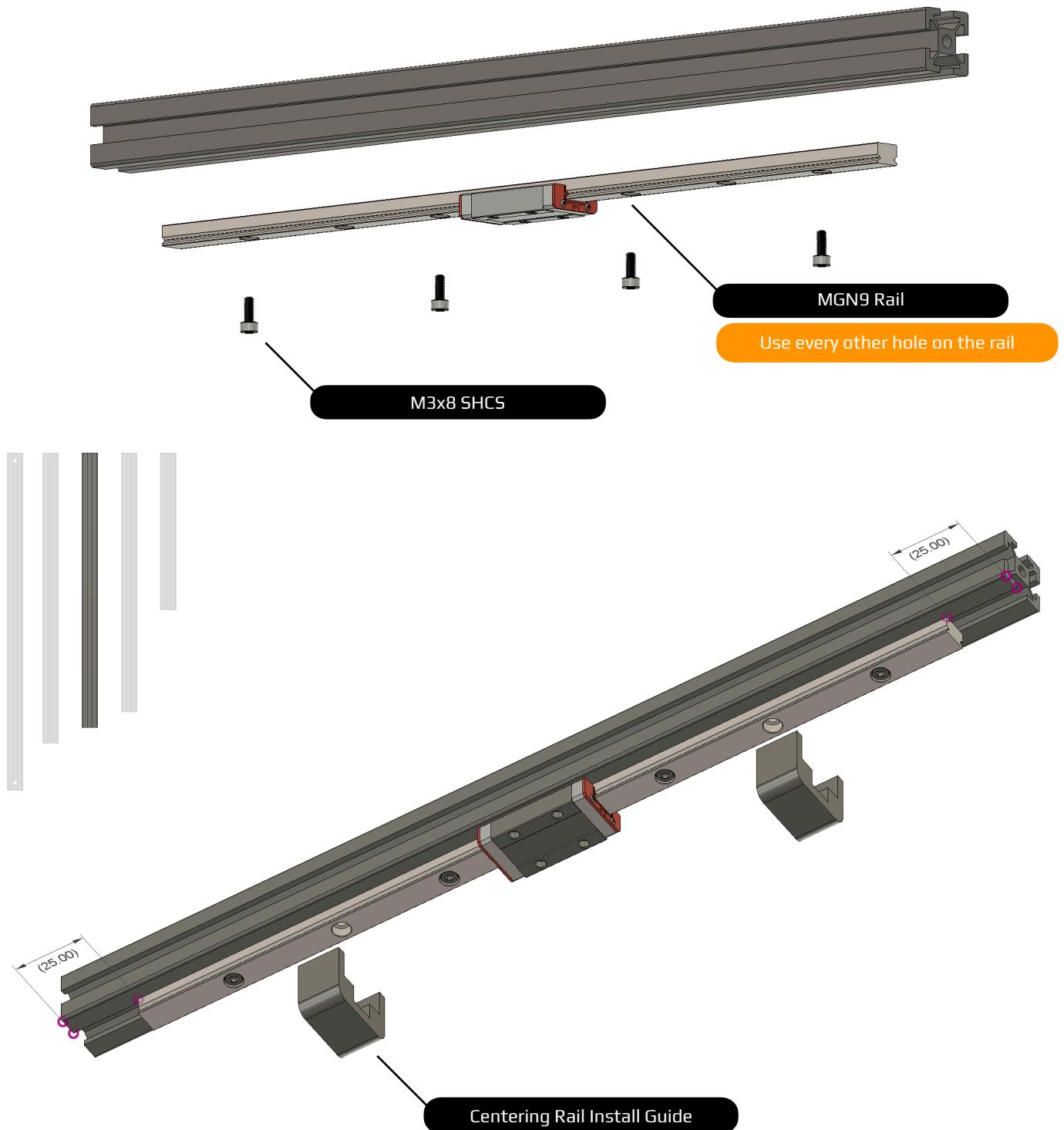
Front Idlers



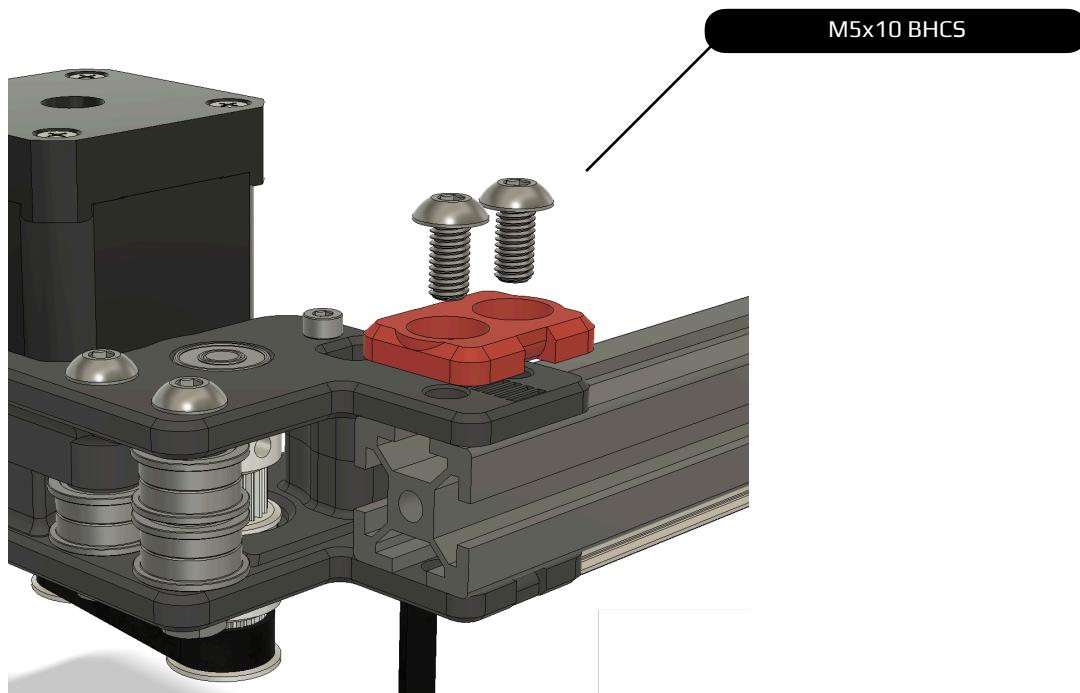
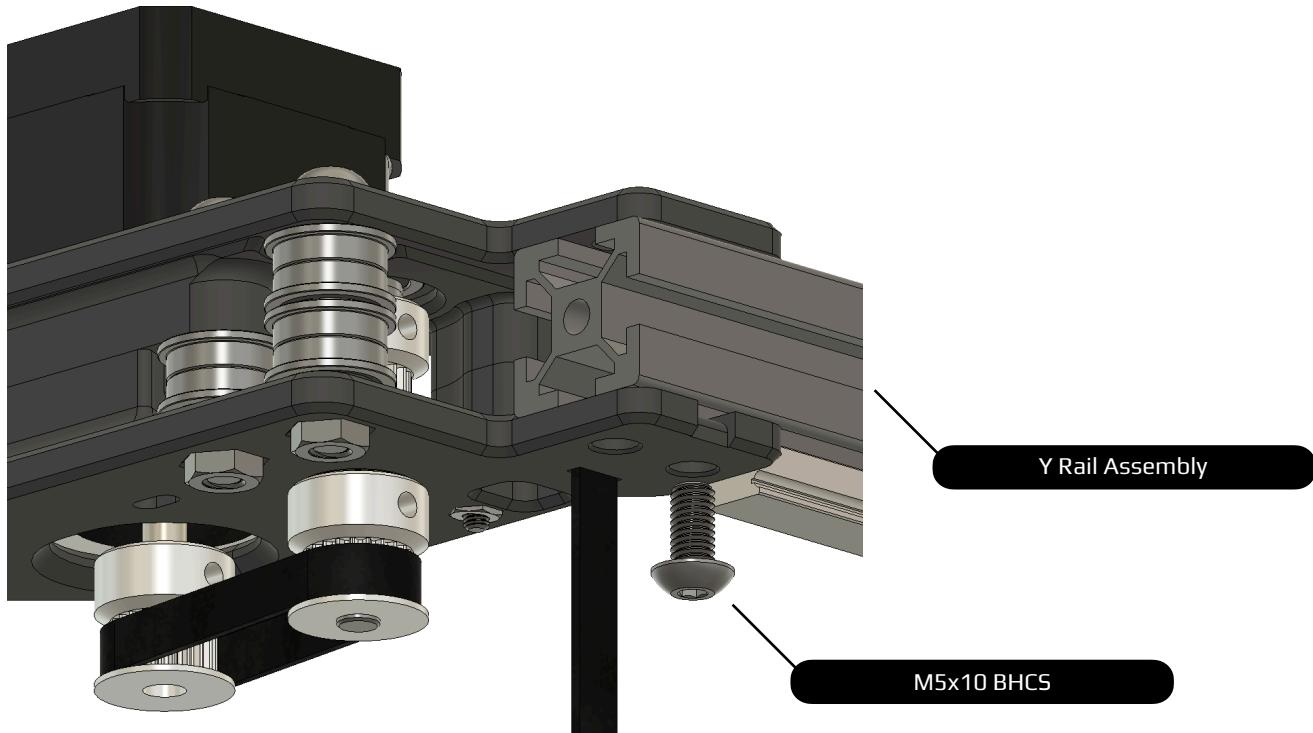
Front Idlers



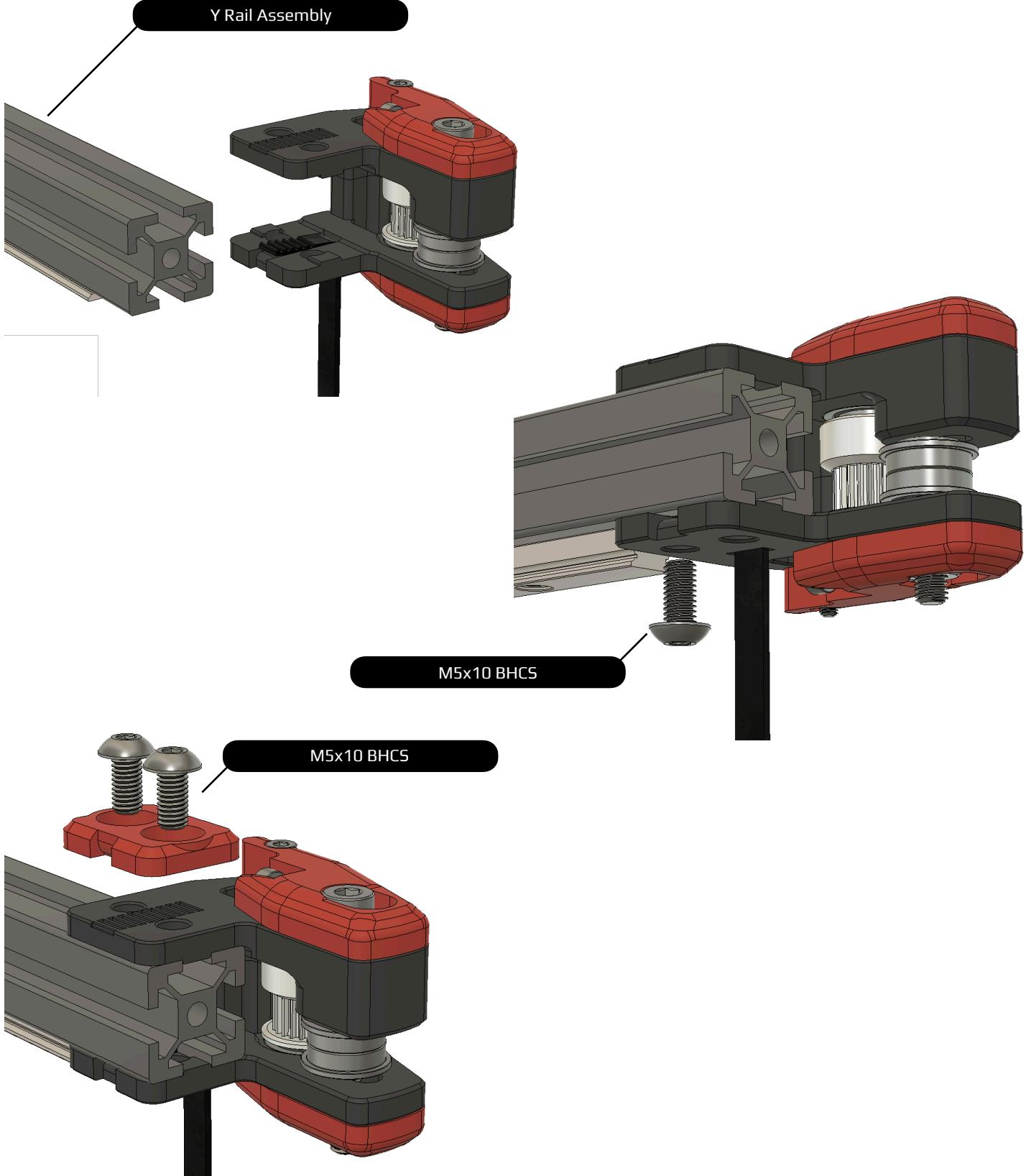
Y Rails



Y Gantry



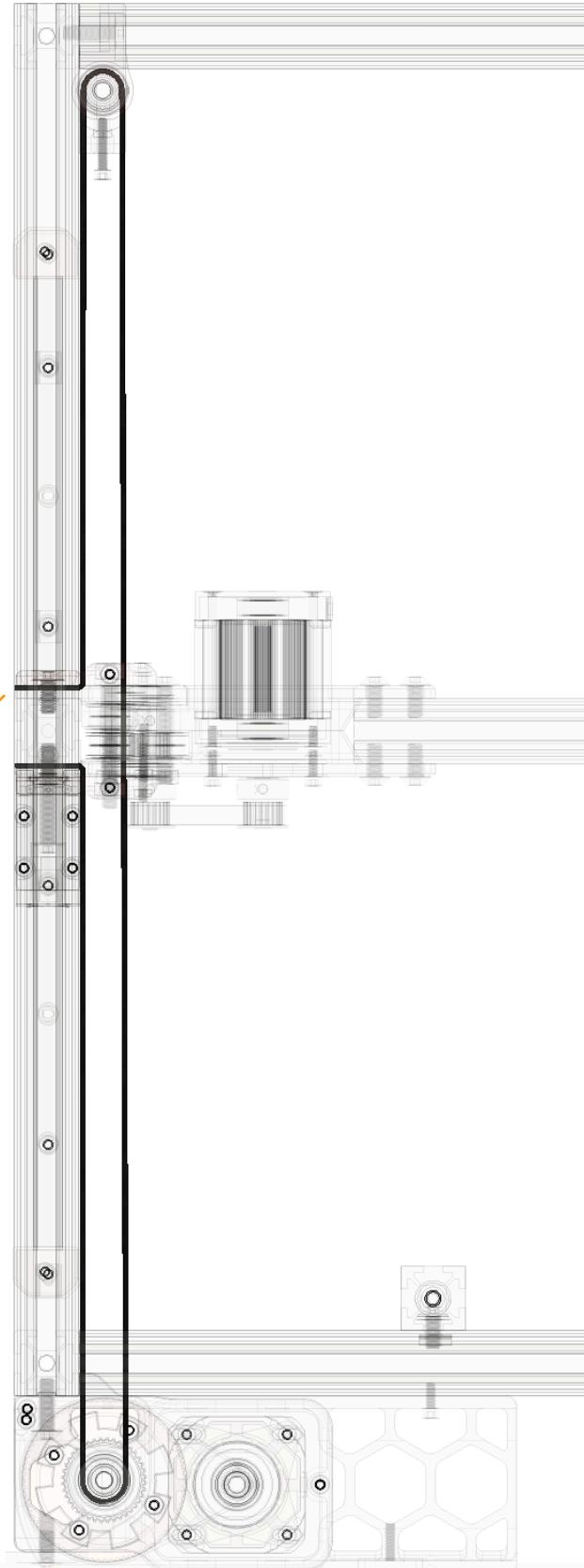
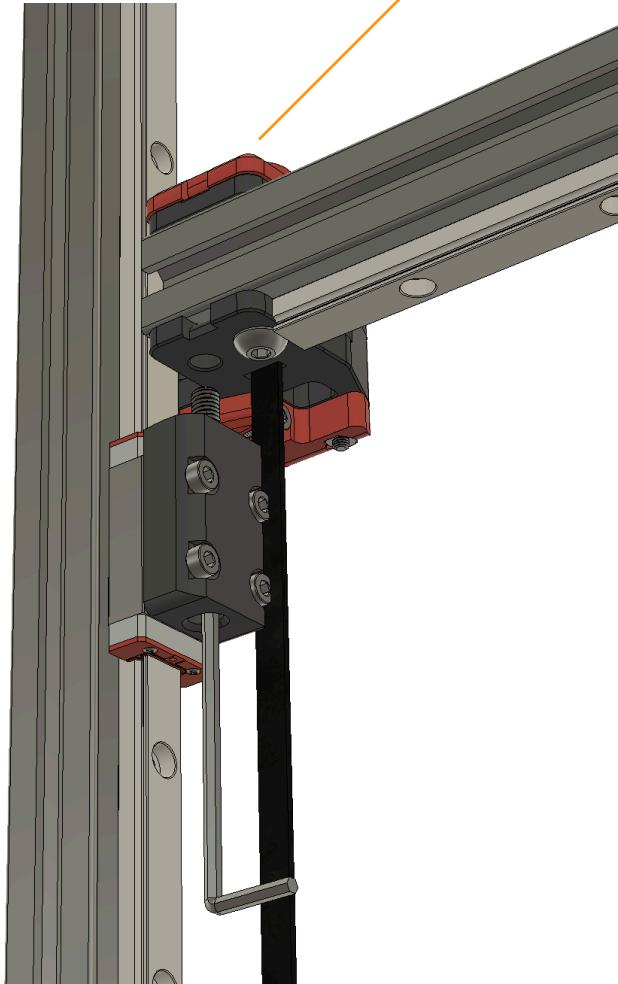
Y Gantry



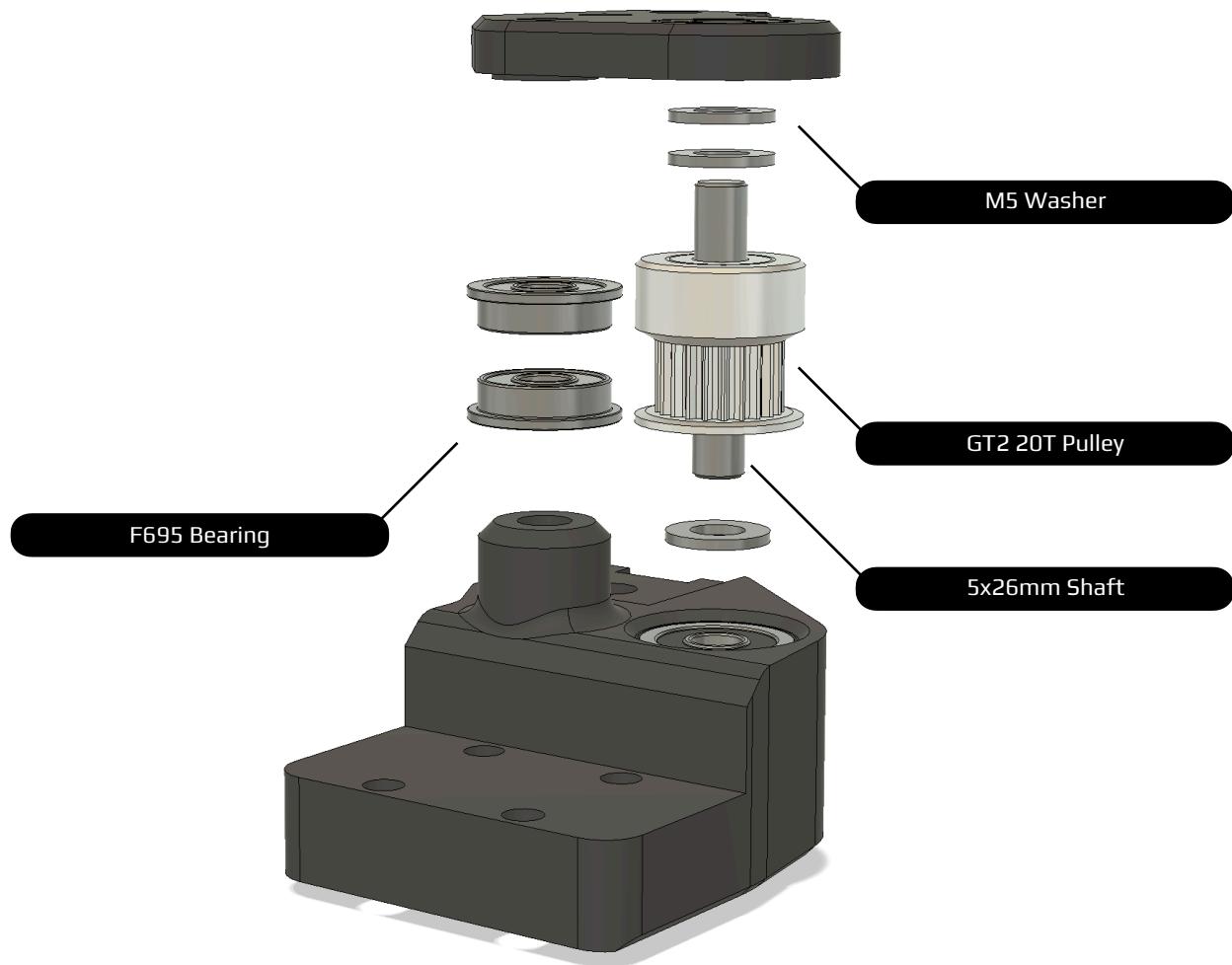
Y Gantry



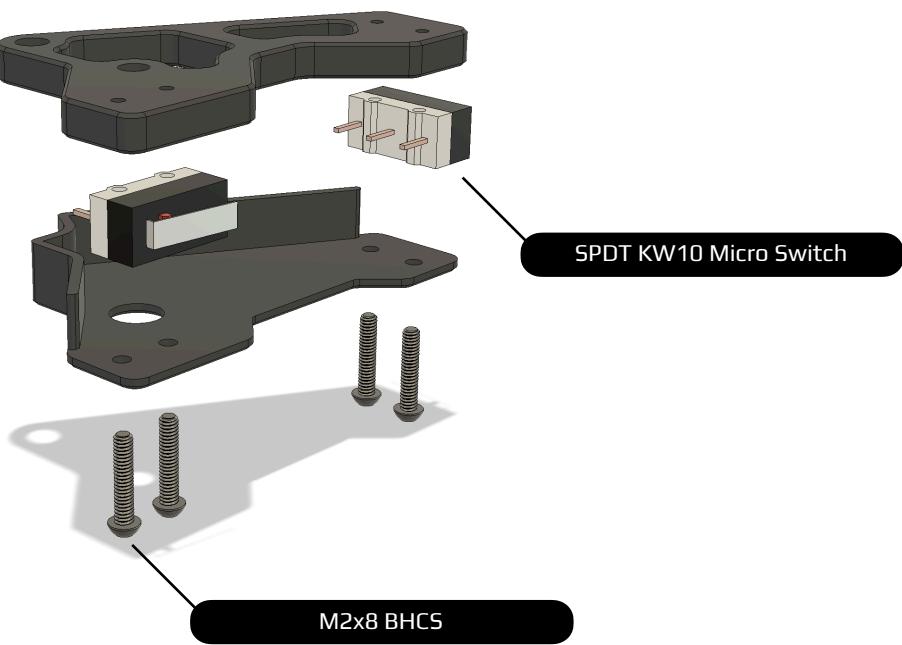
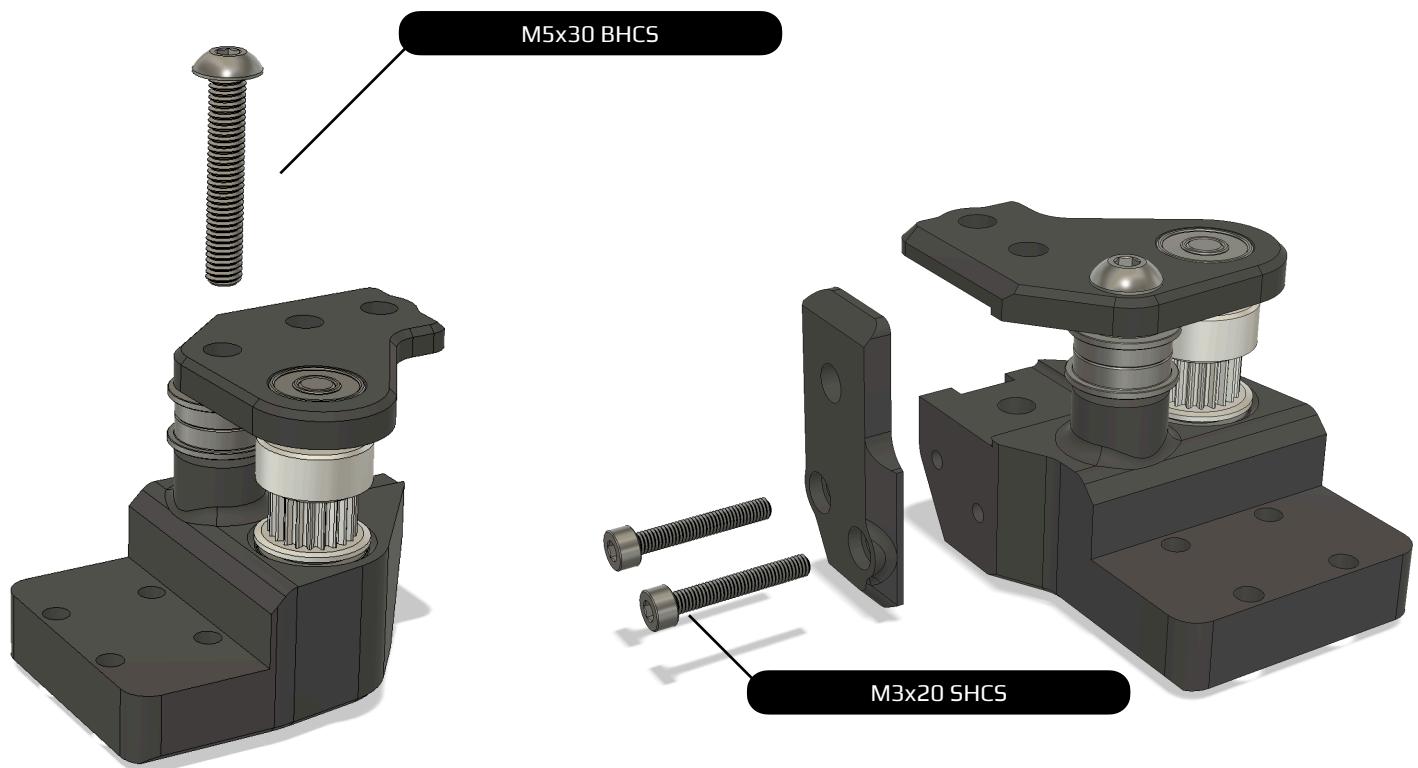
Z Belts Routing



XY Joint



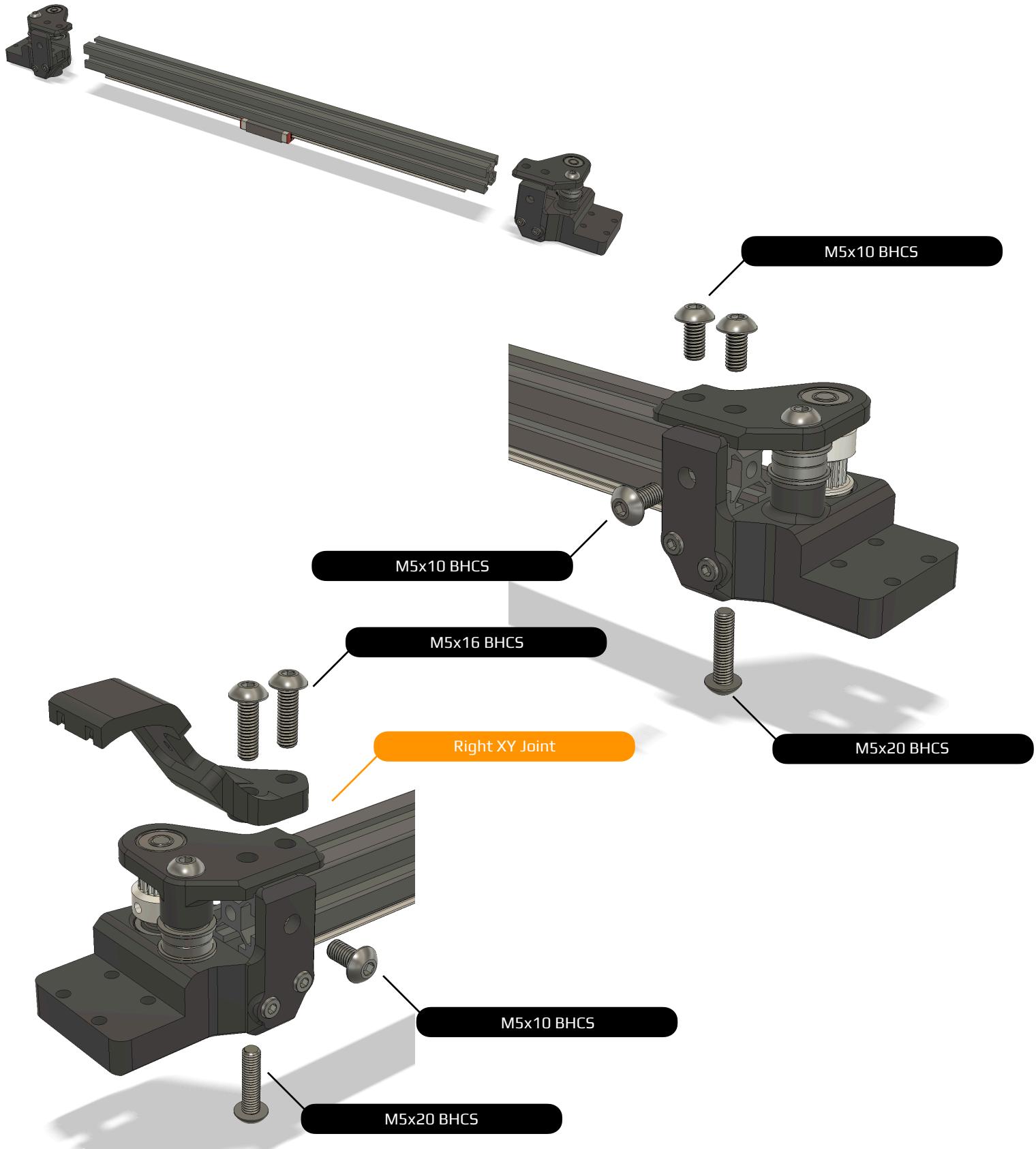
XY Joint



X Rail



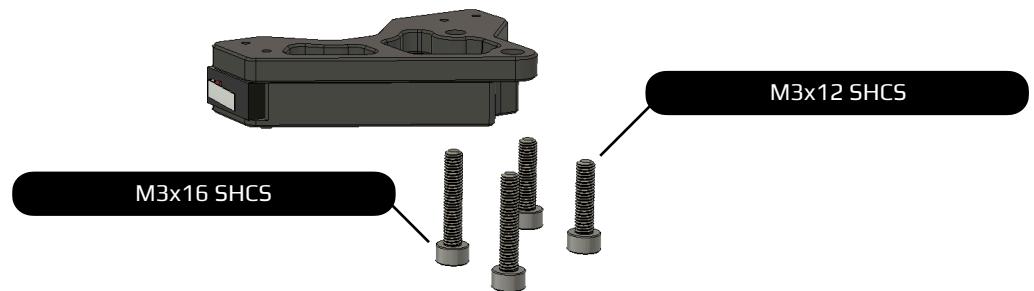
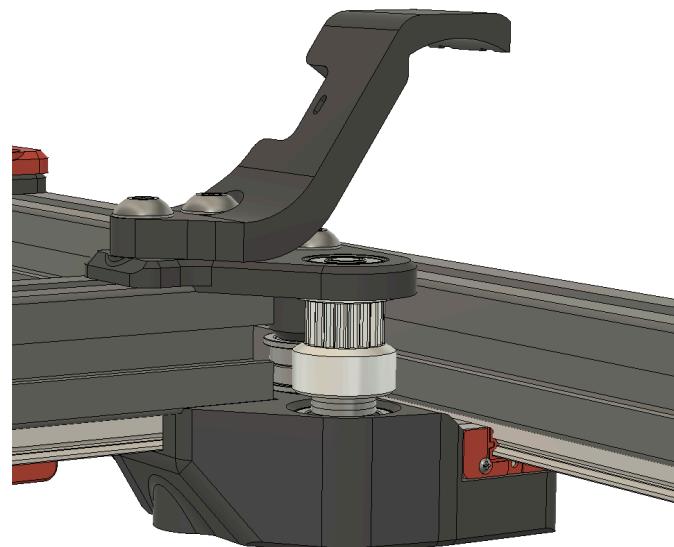
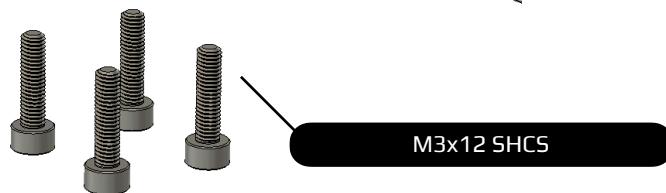
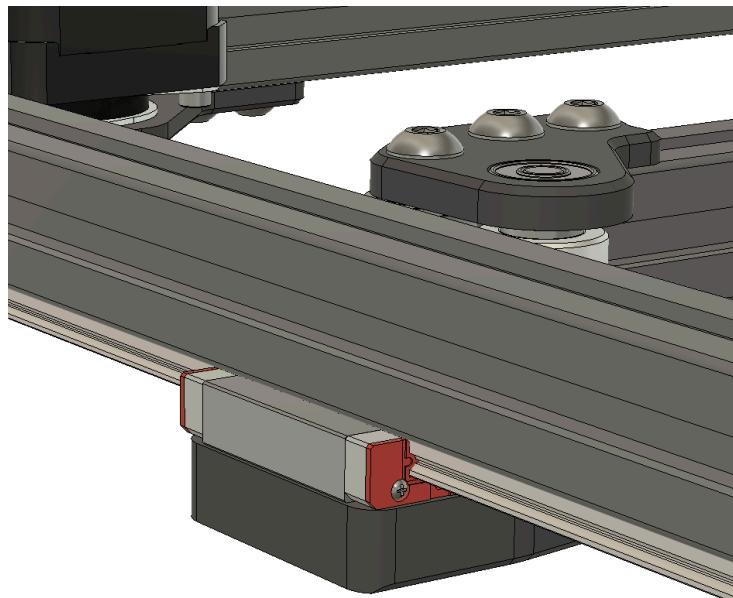
X Gantry



X Gantry



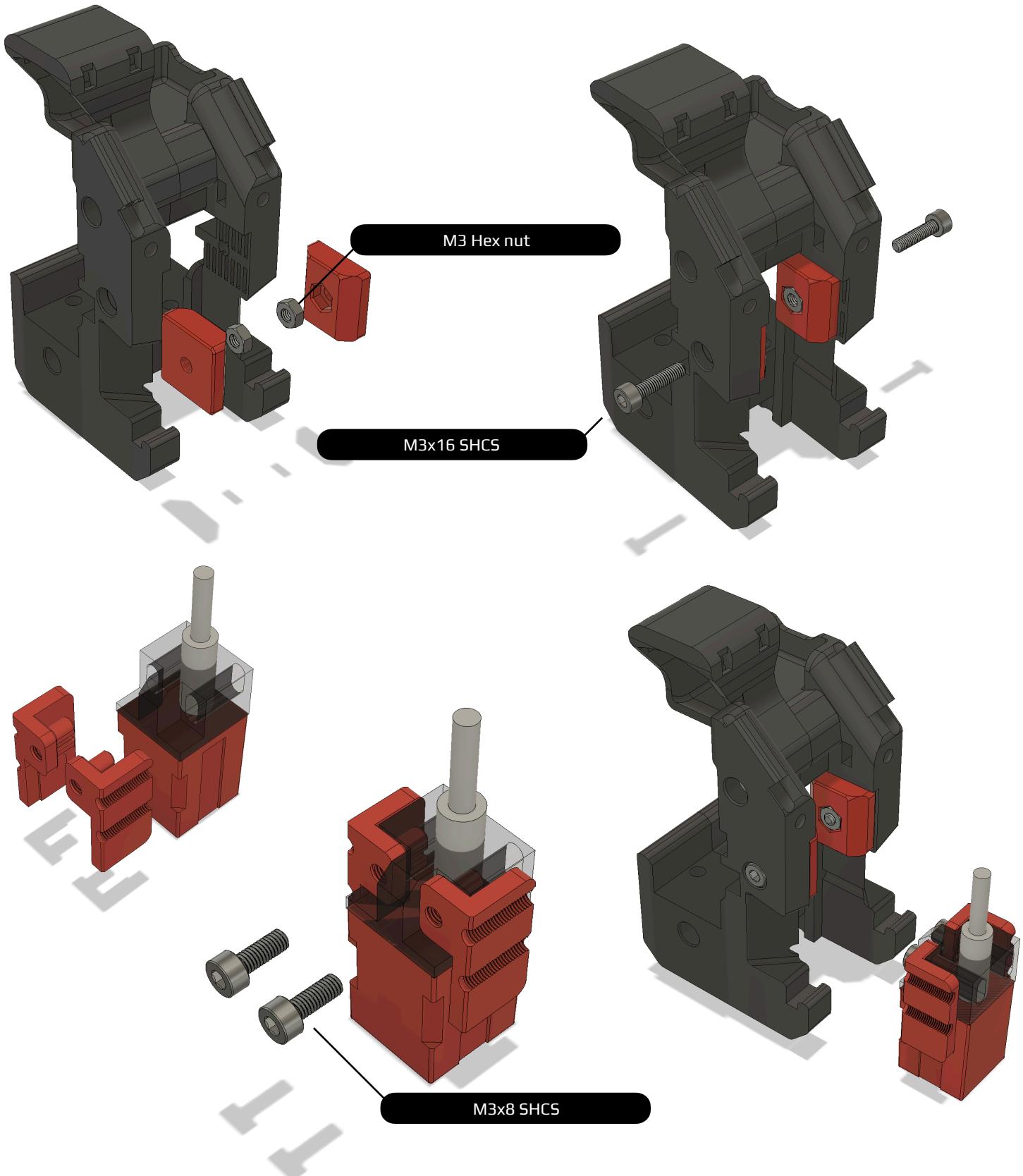
X Gantry



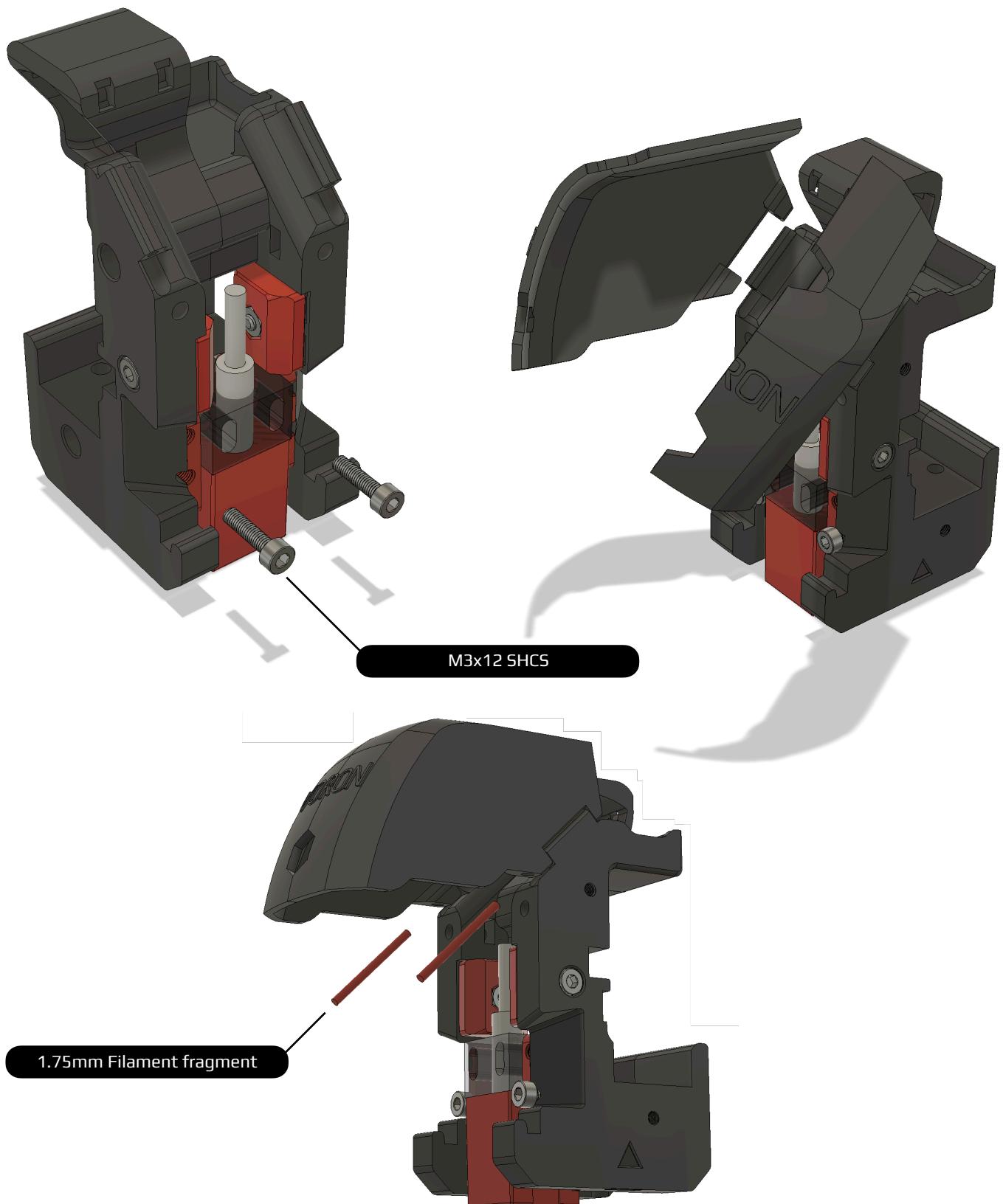
X Carriage Frame



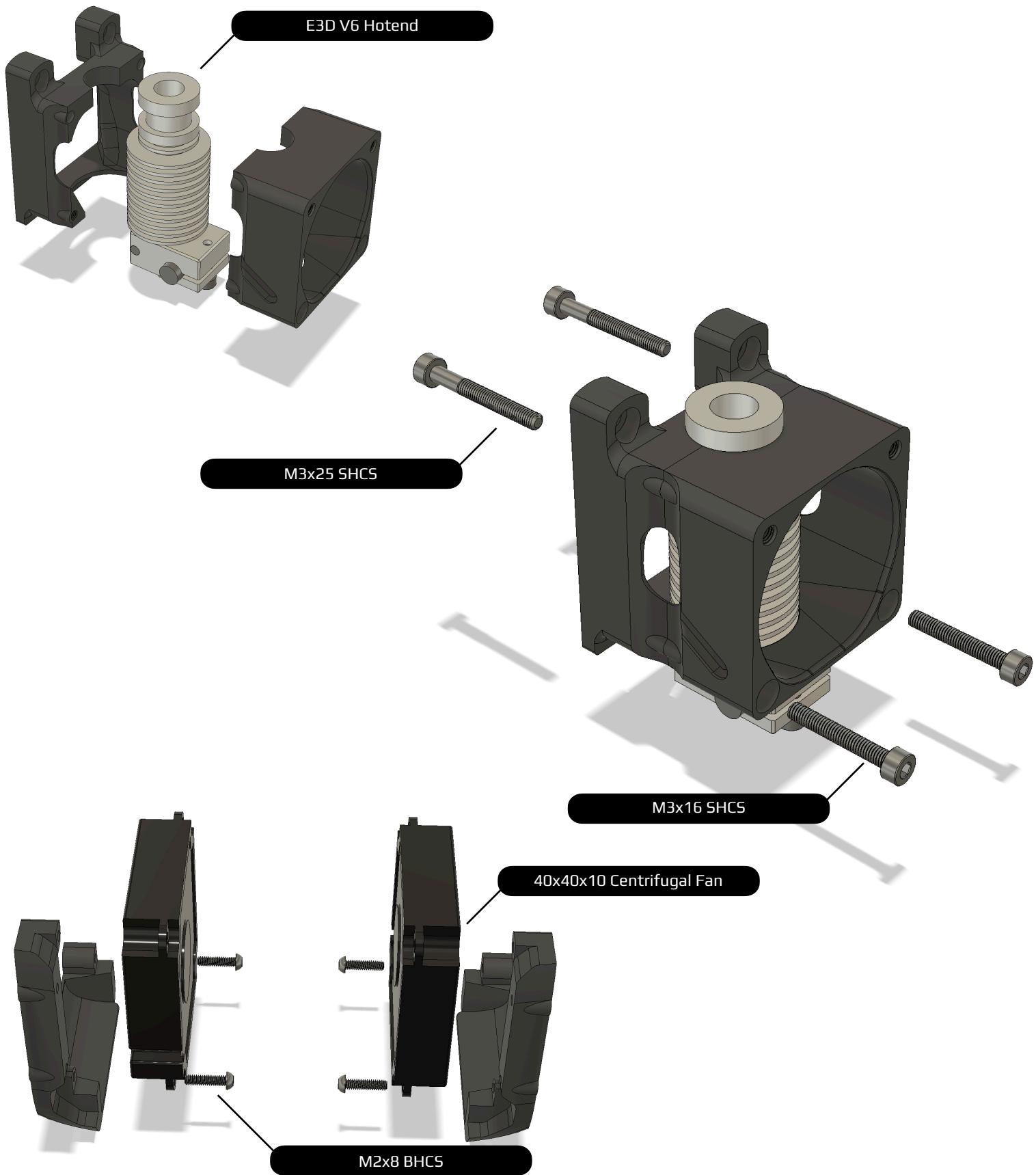
X Carriage Frame



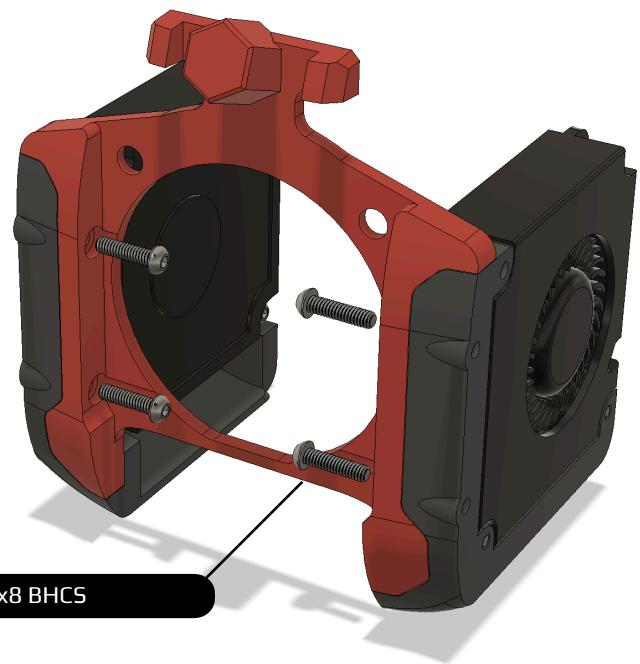
X Carriage Frame



Toolhead



Toolhead

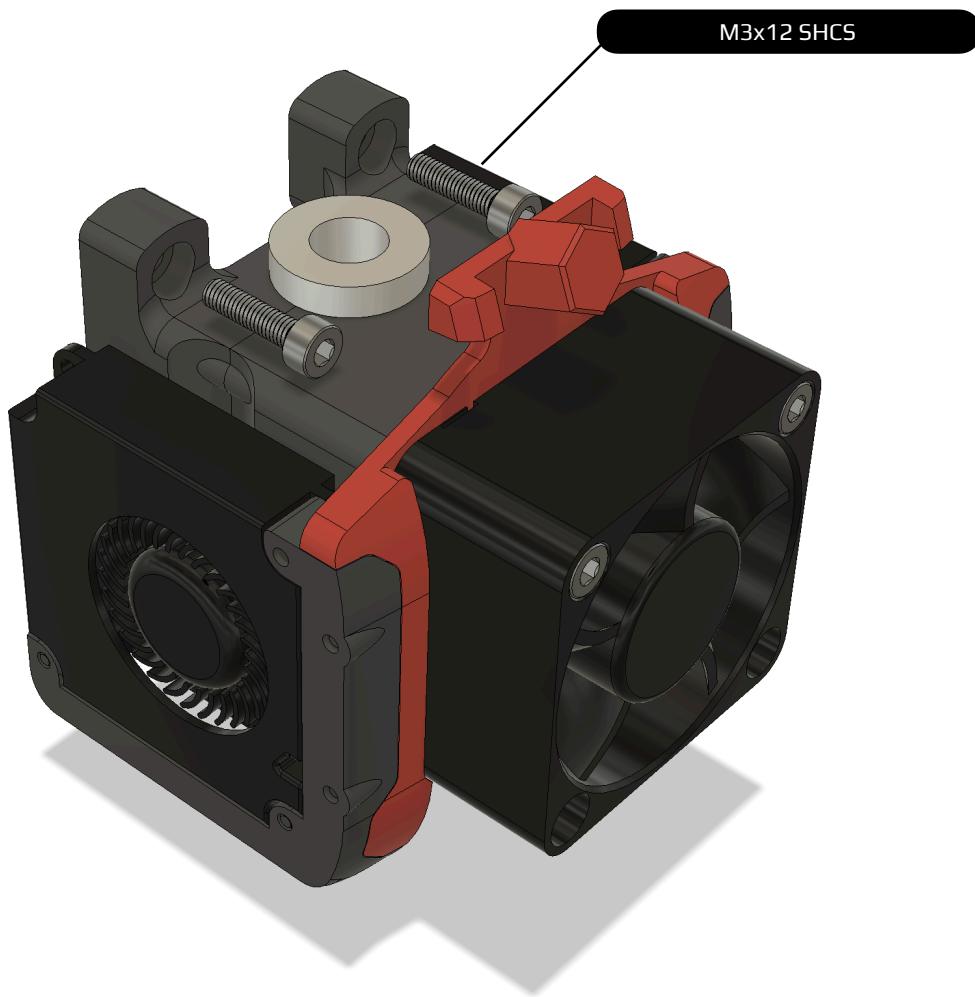


M2x8 BHCS

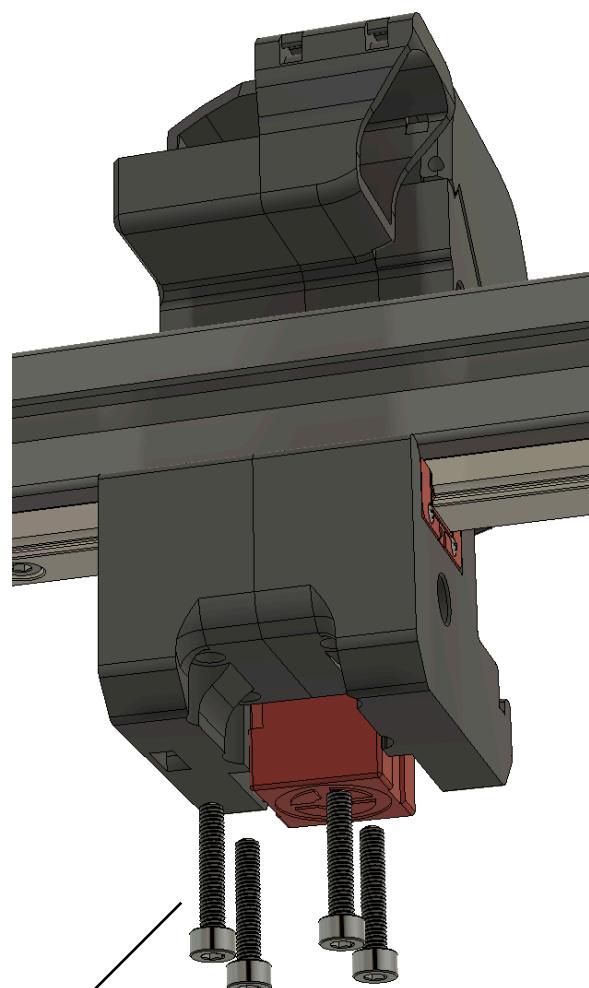
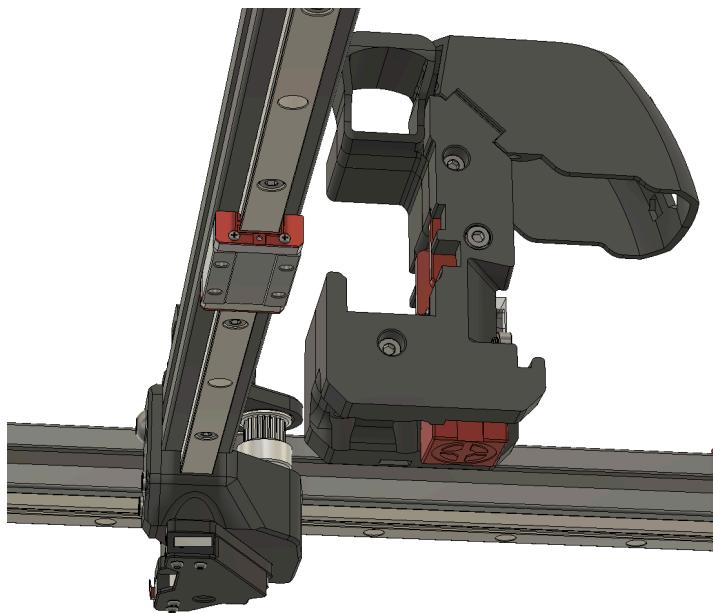


M3x25 SHCS

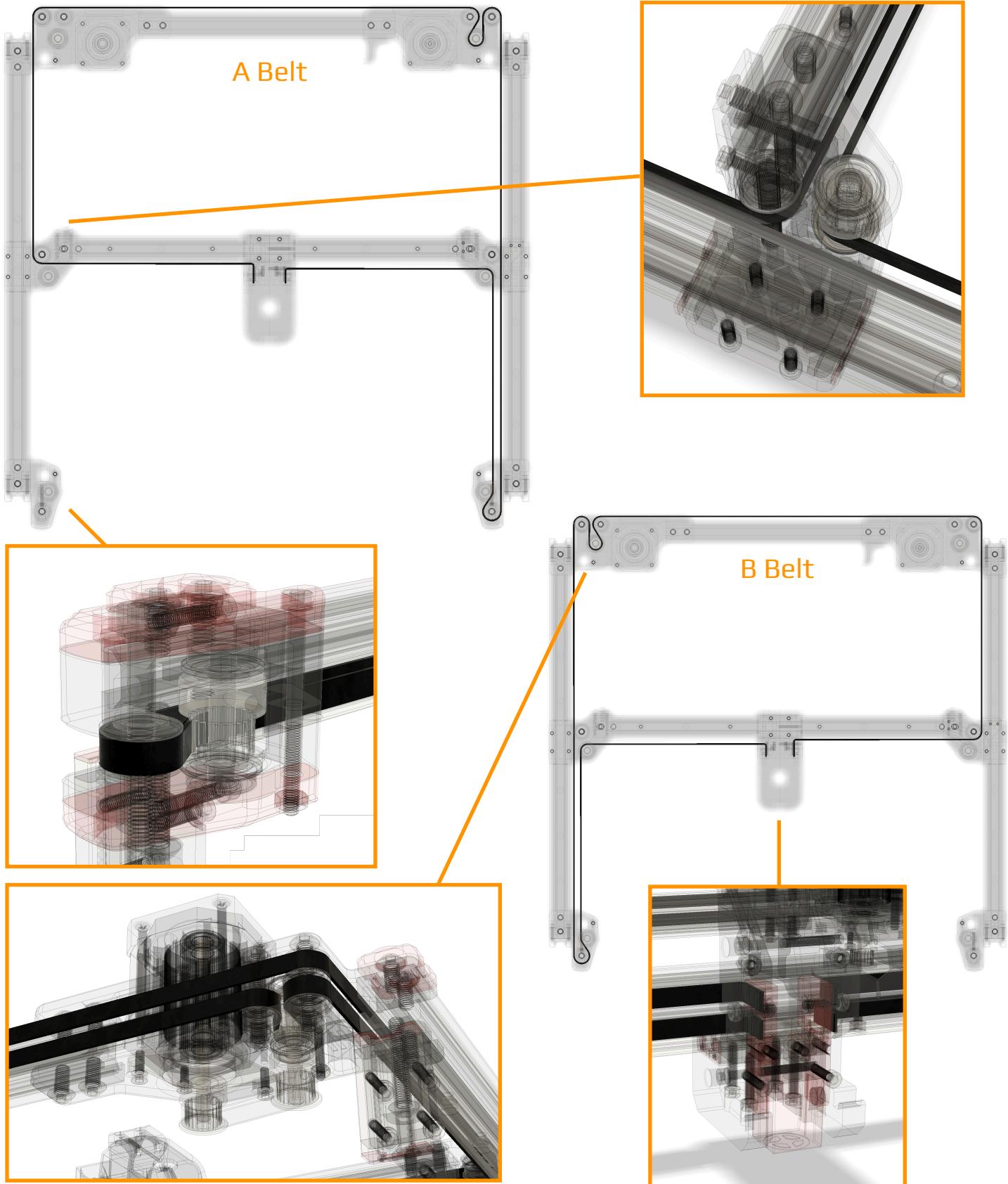
Toolhead



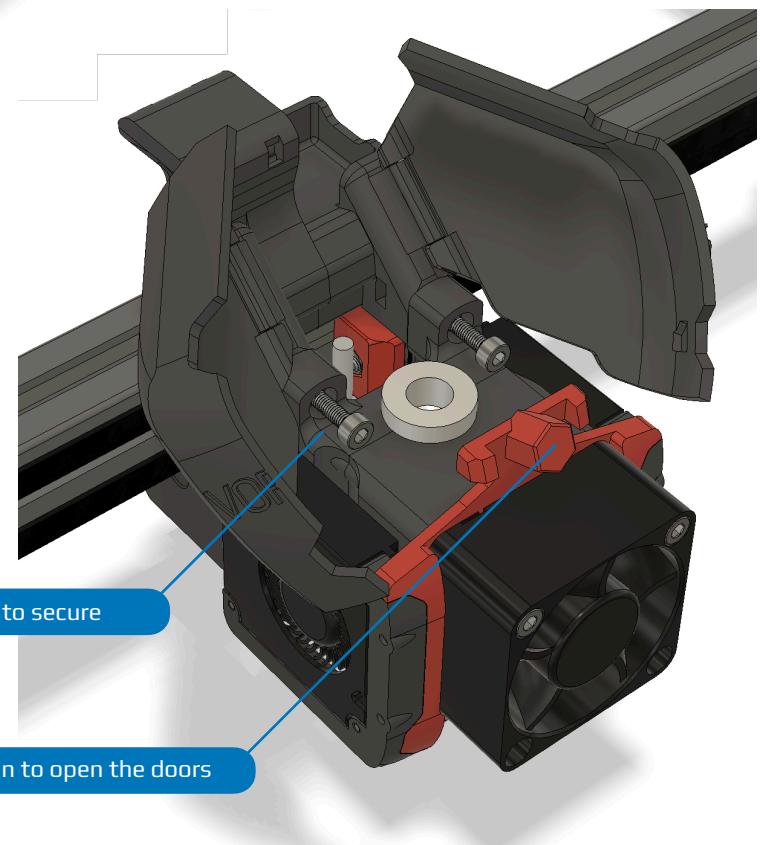
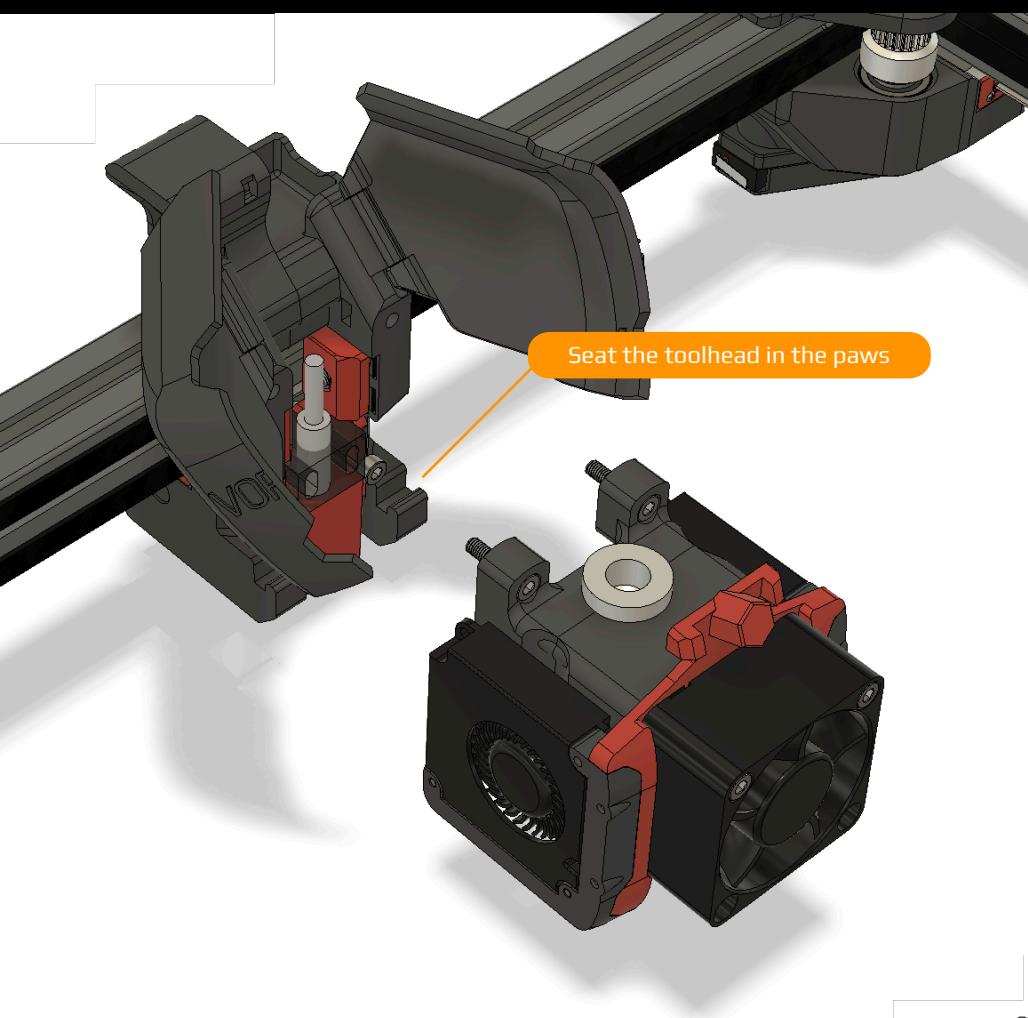
X Carriage



AB Belts Routing

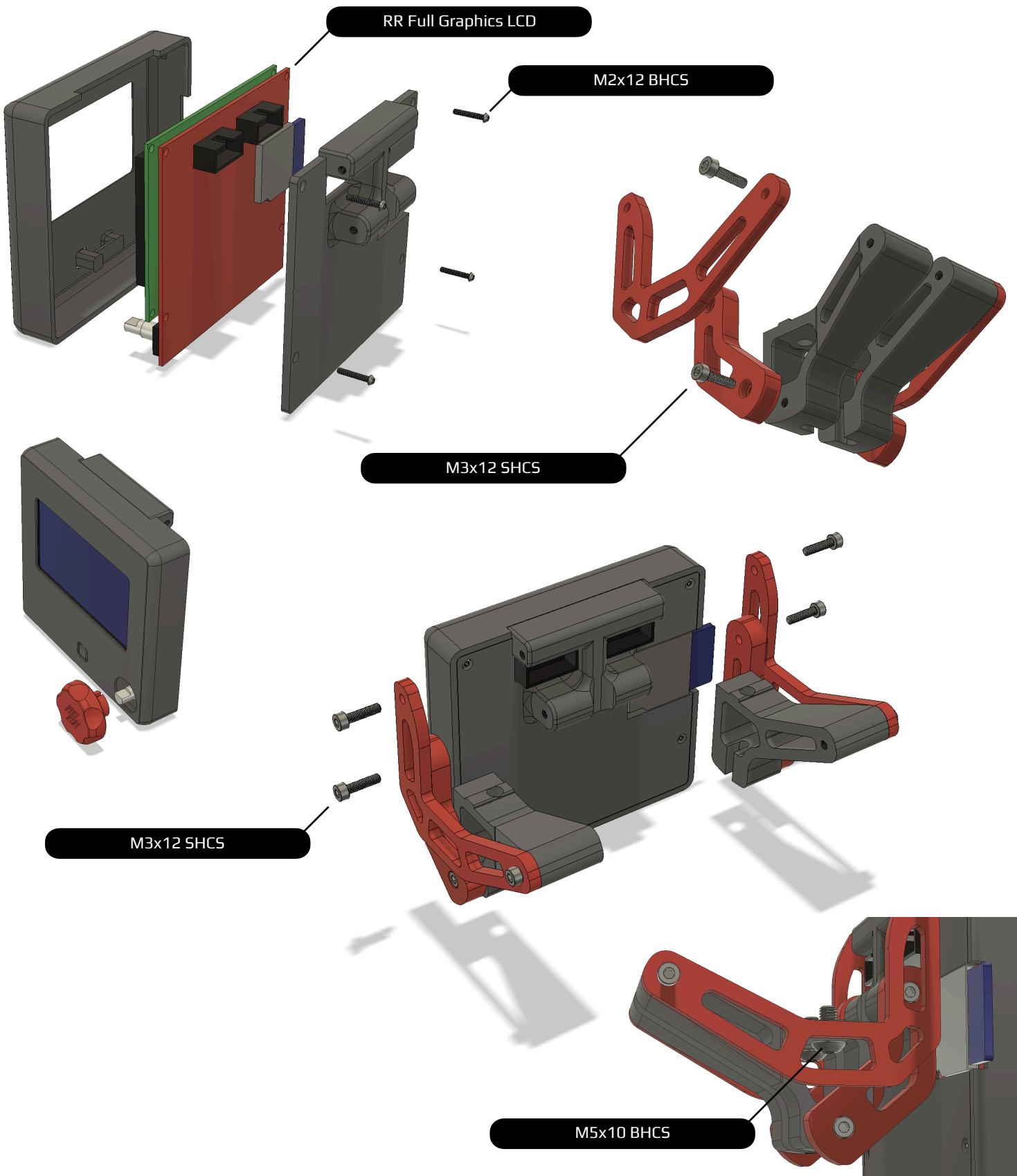


Toolhead

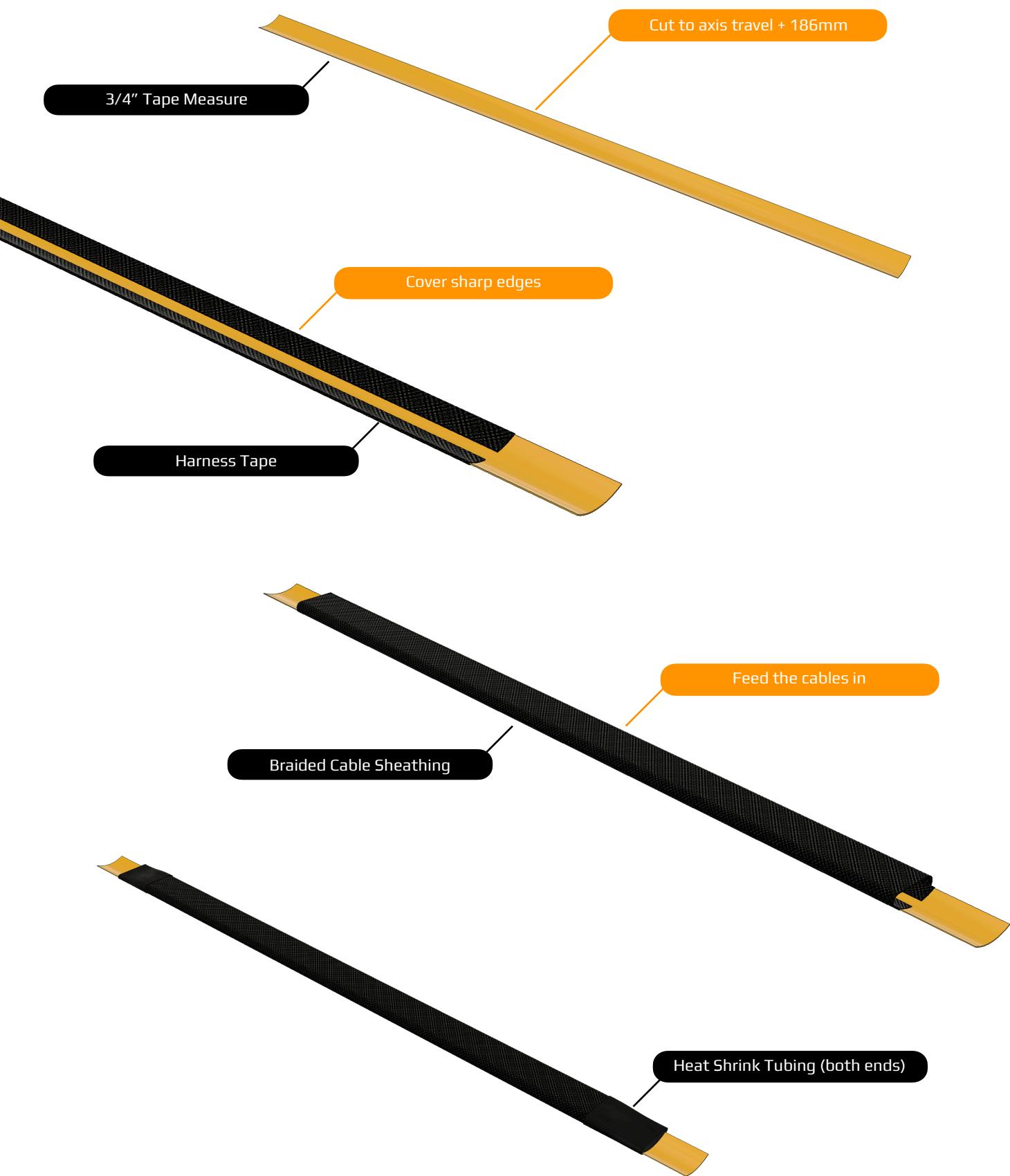




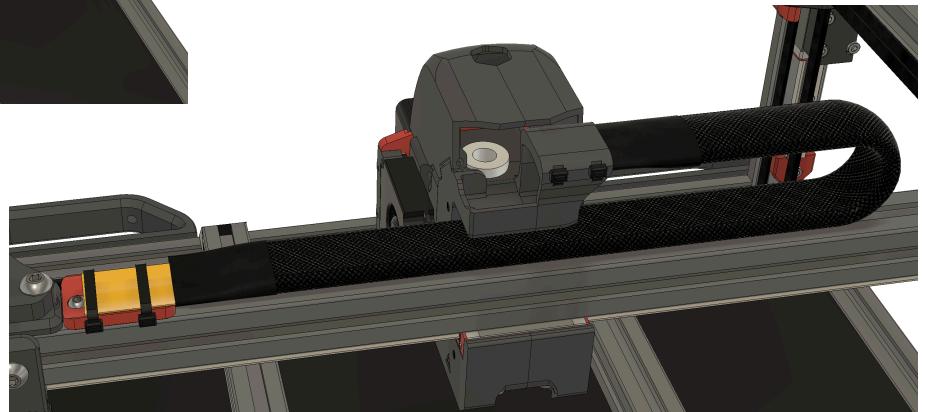
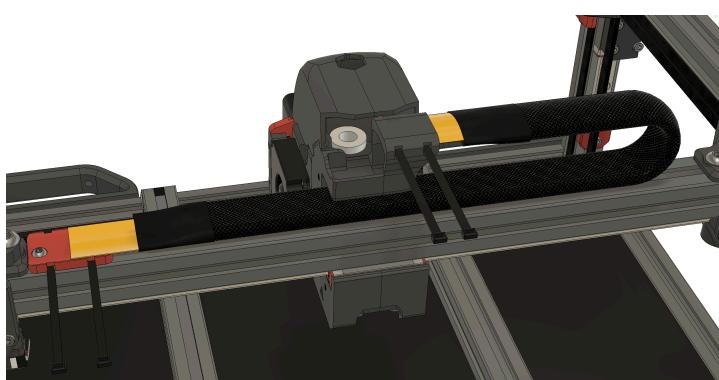
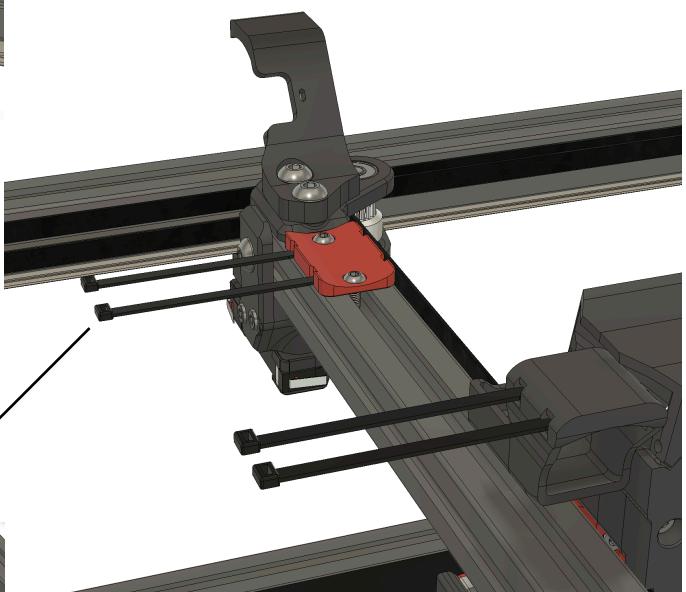
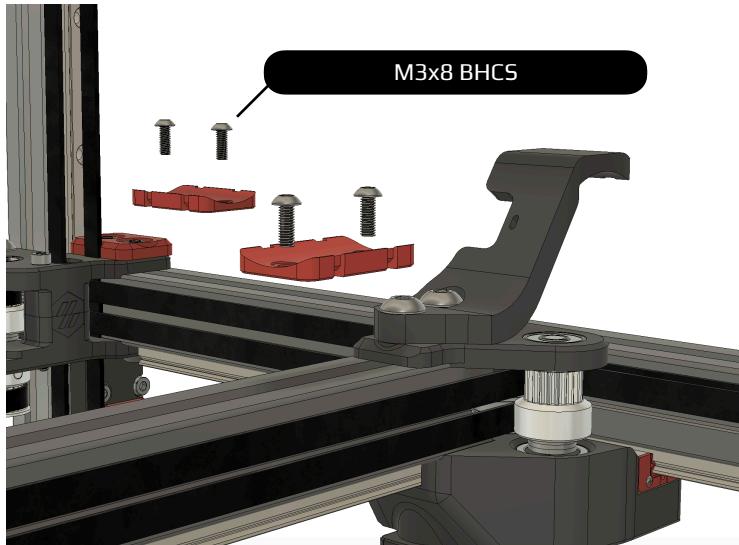
LCD Module



Tape Chain

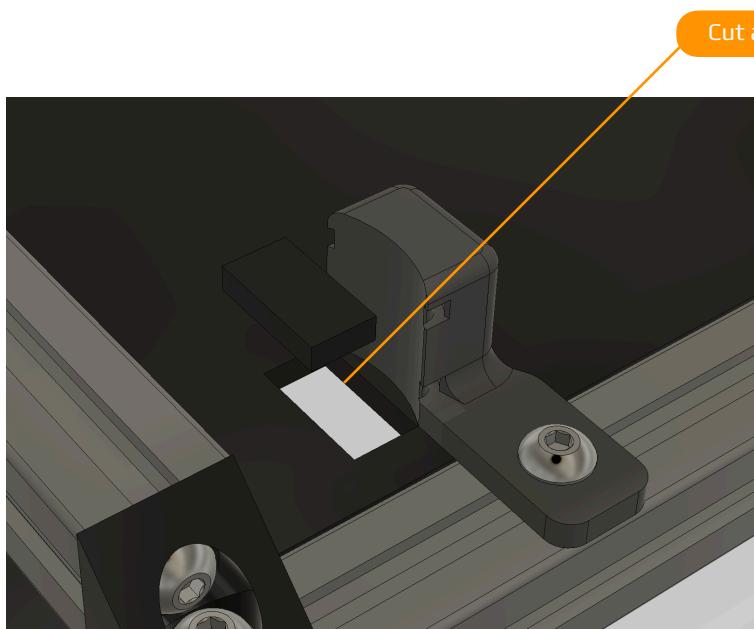
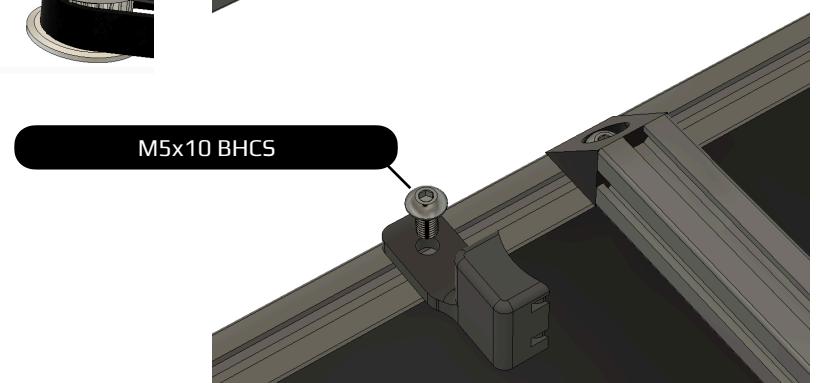
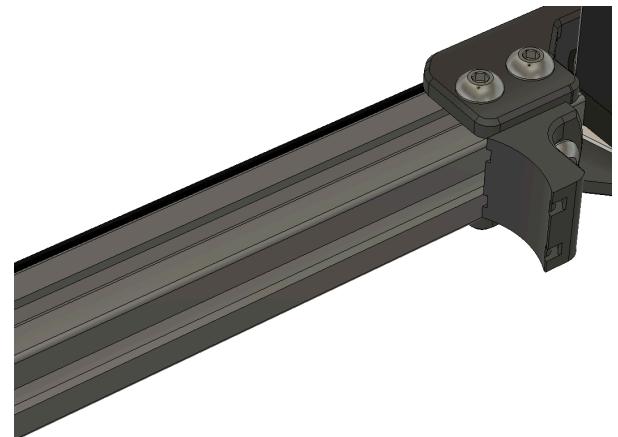


Gantry Cable Management

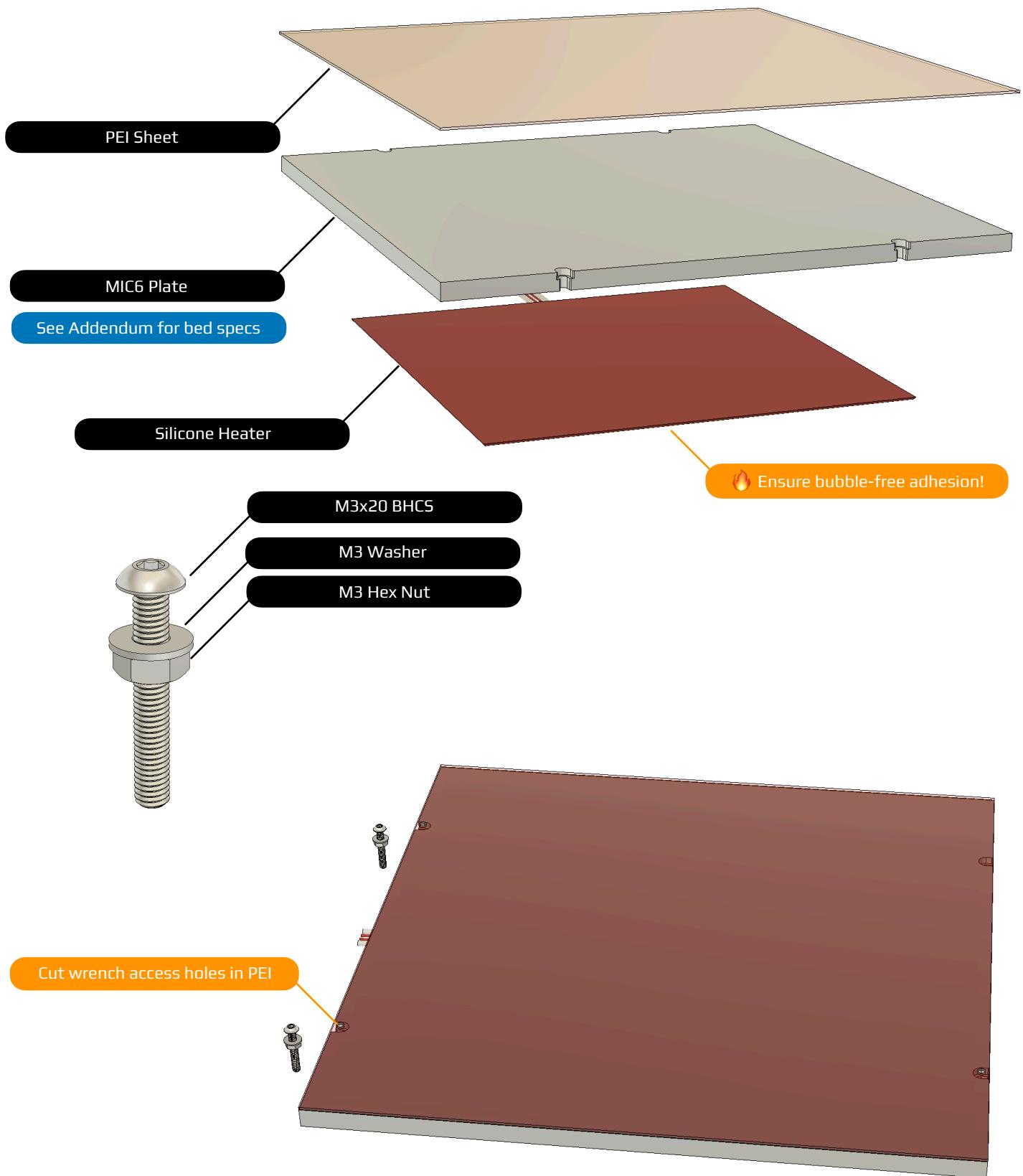


Use the same method for Y chain

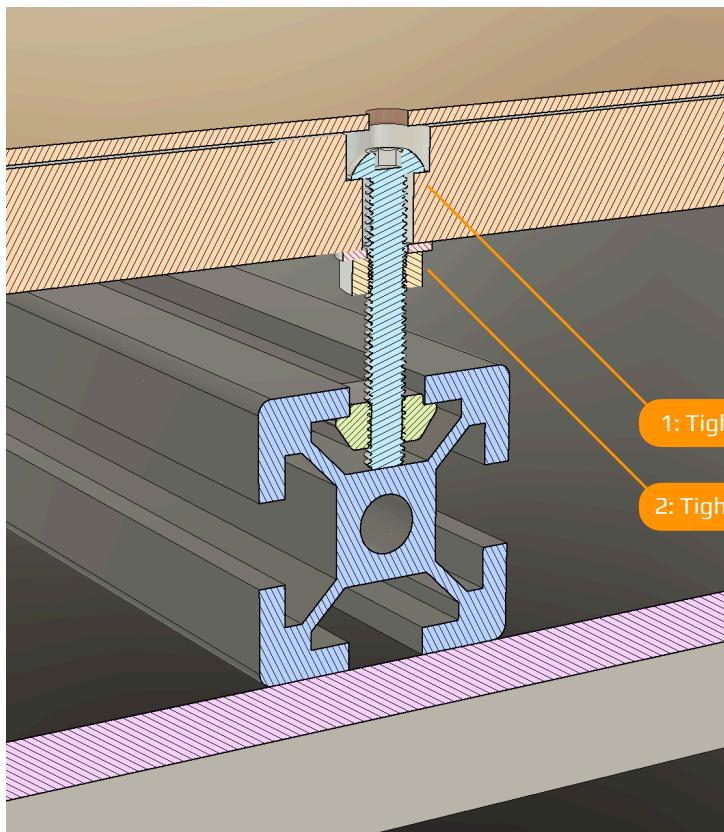
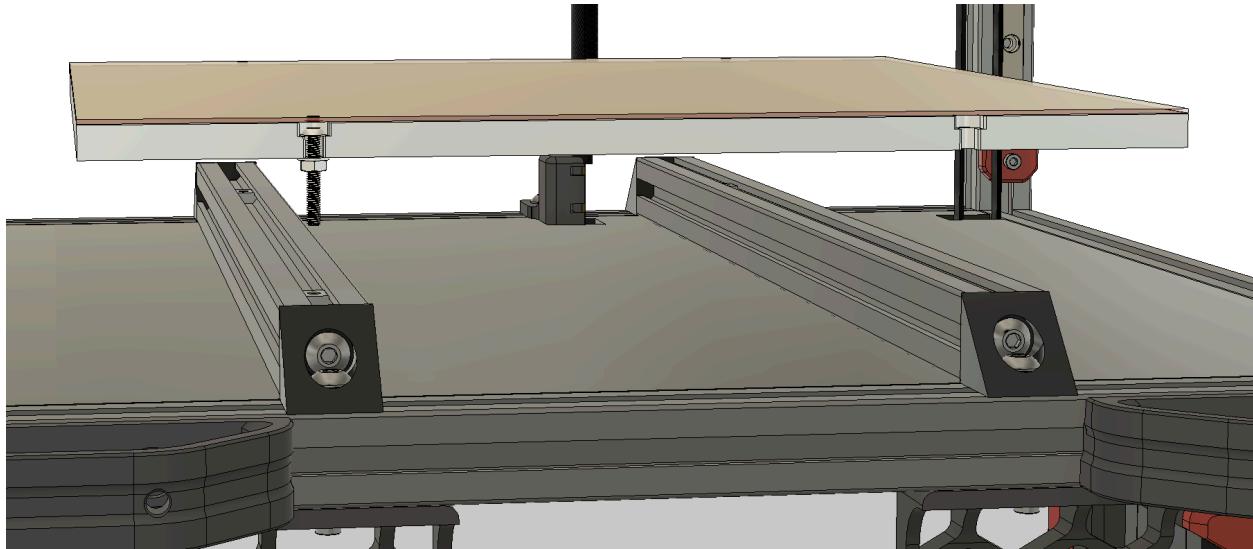
Gantry Cable Management



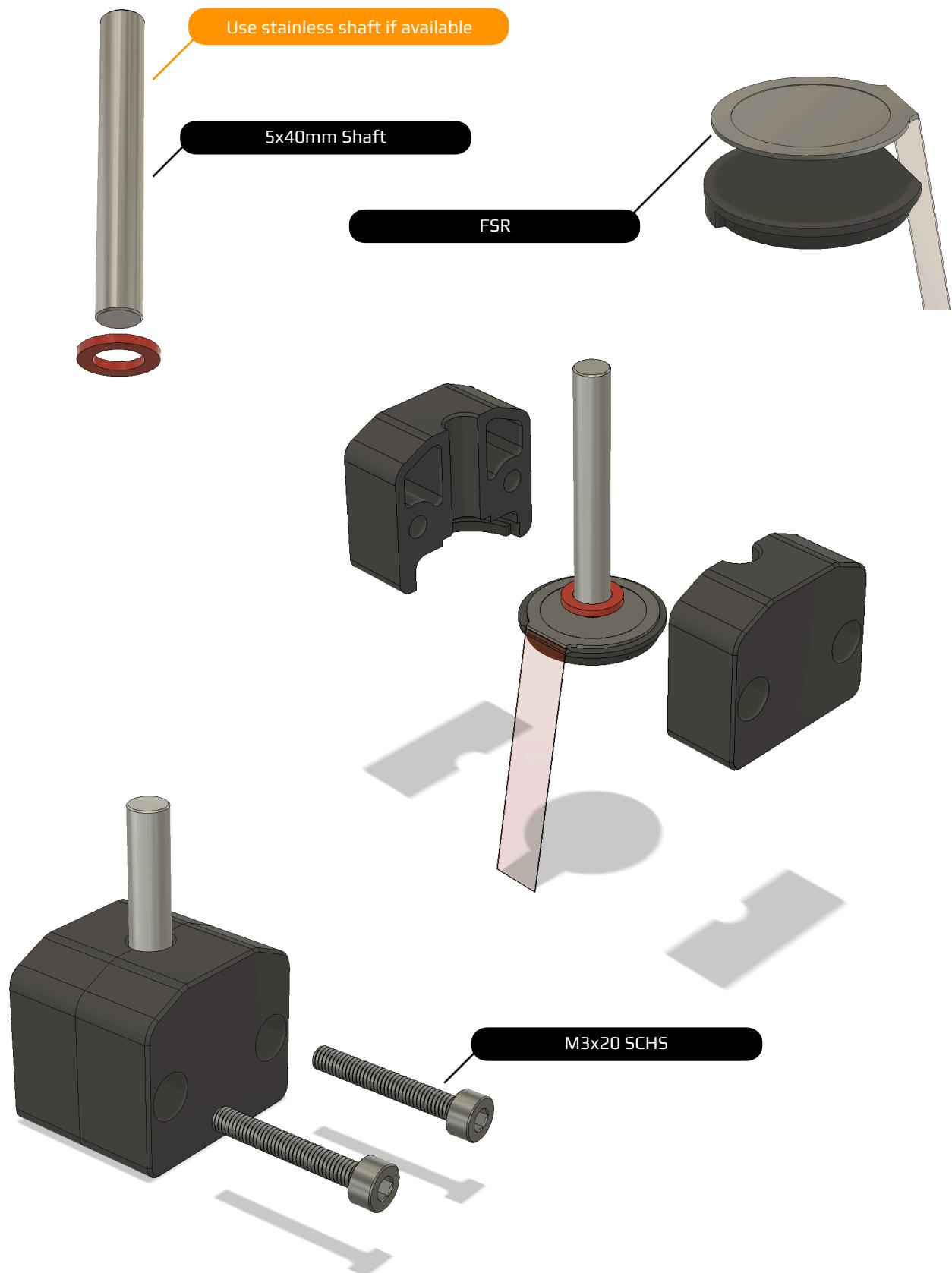
Build Plate



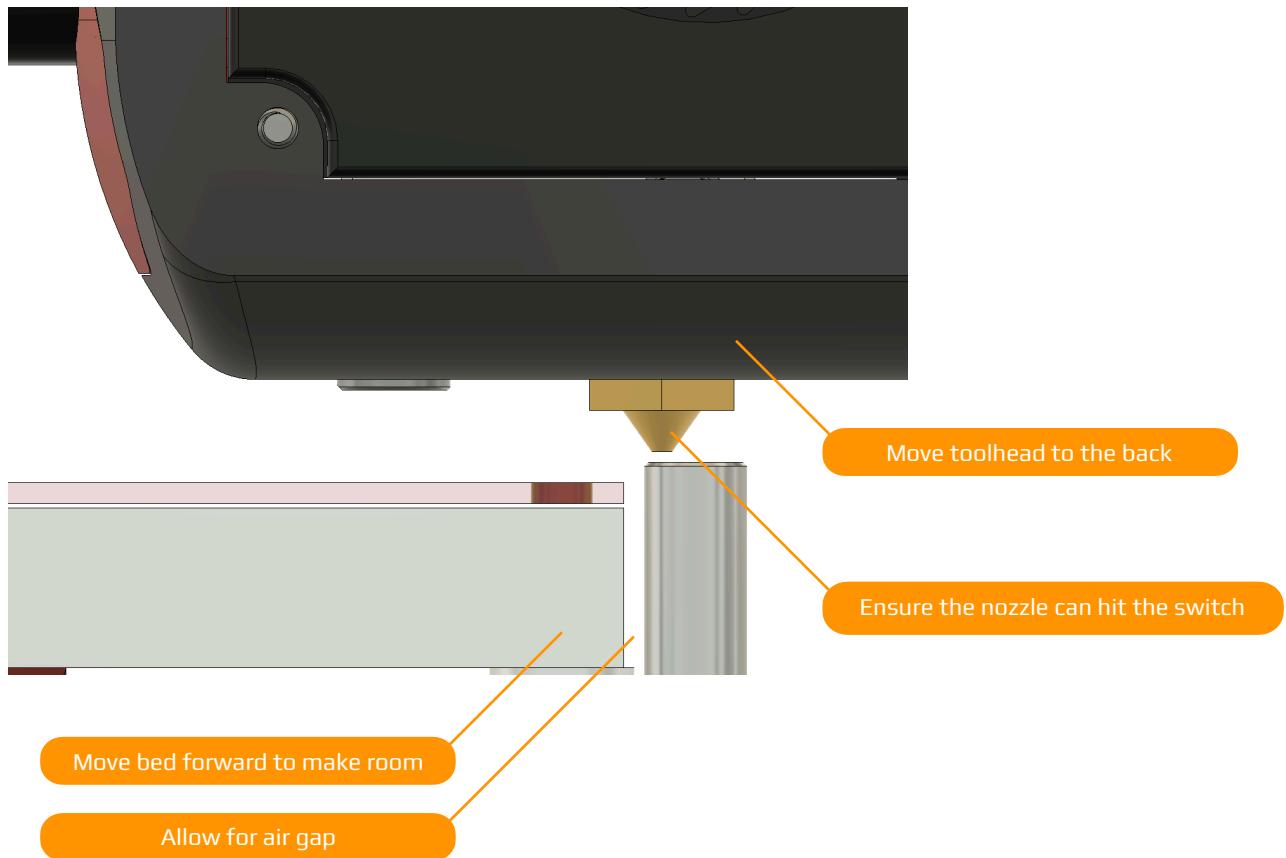
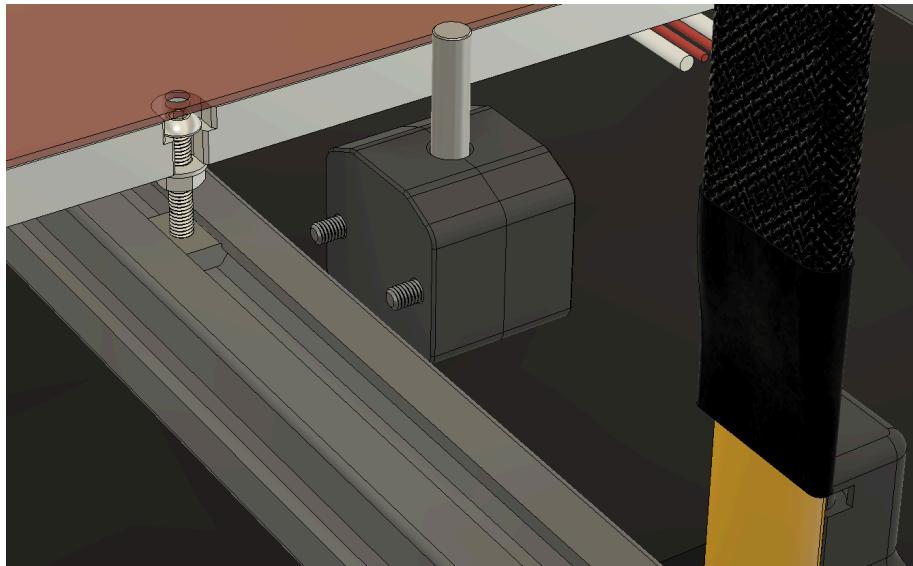
Build Plate



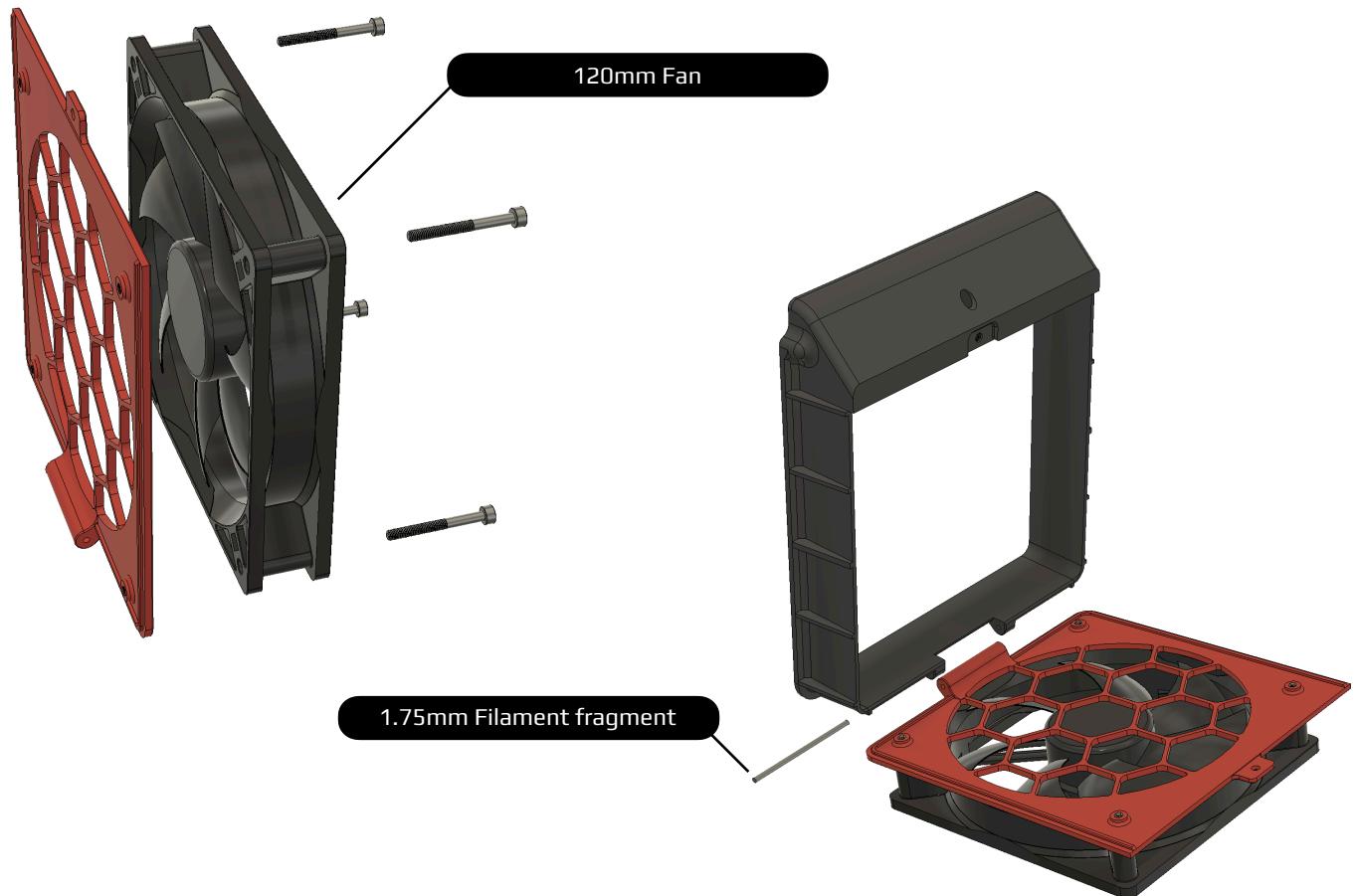
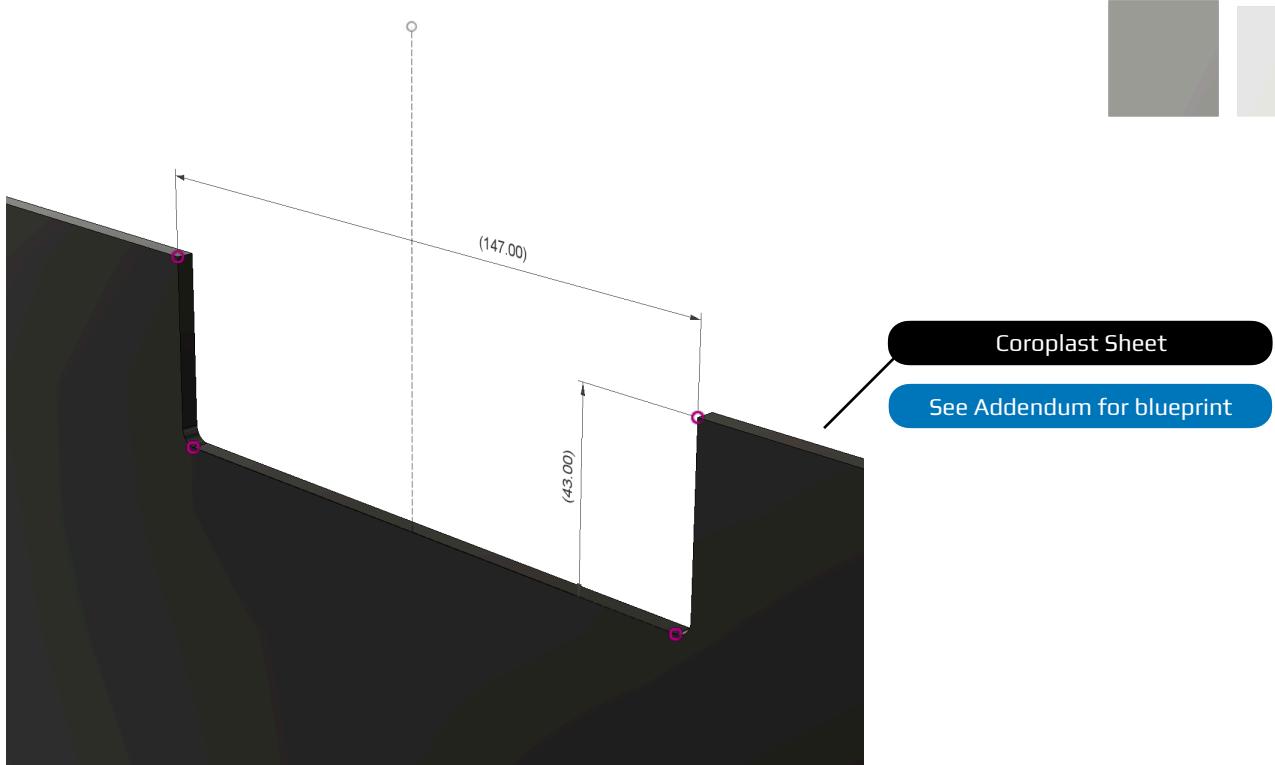
Tool Offset Switch



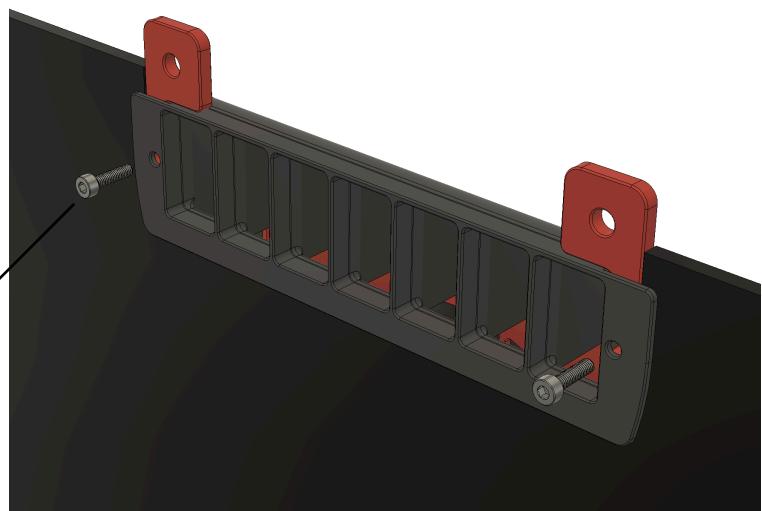
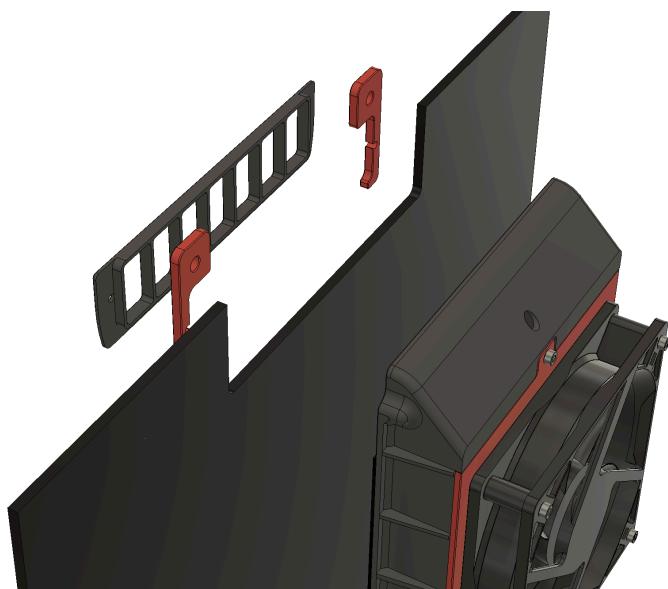
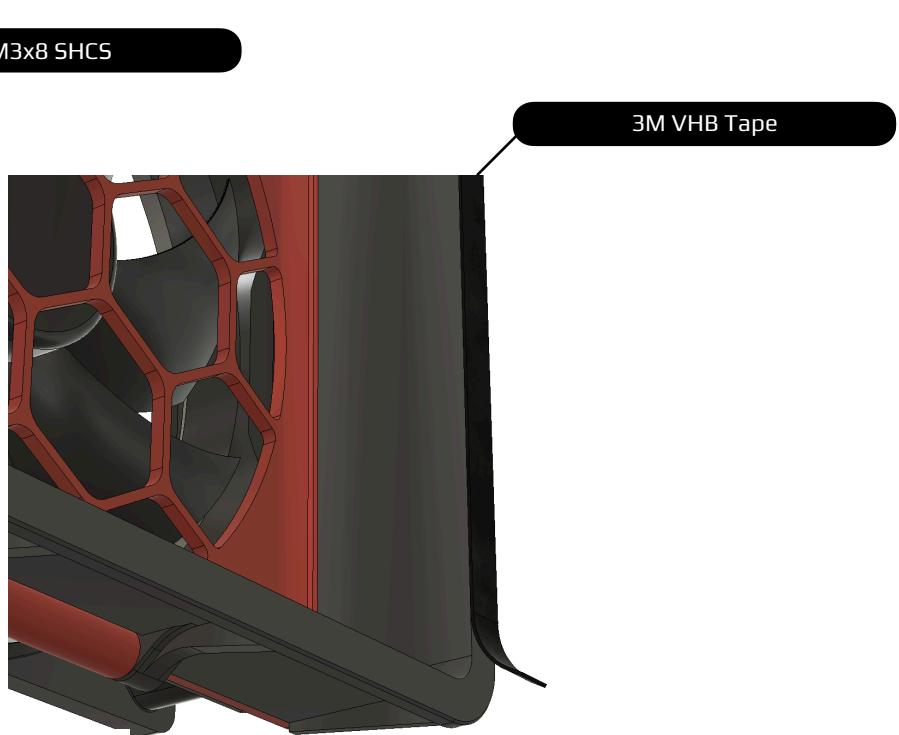
Tool Offset Switch



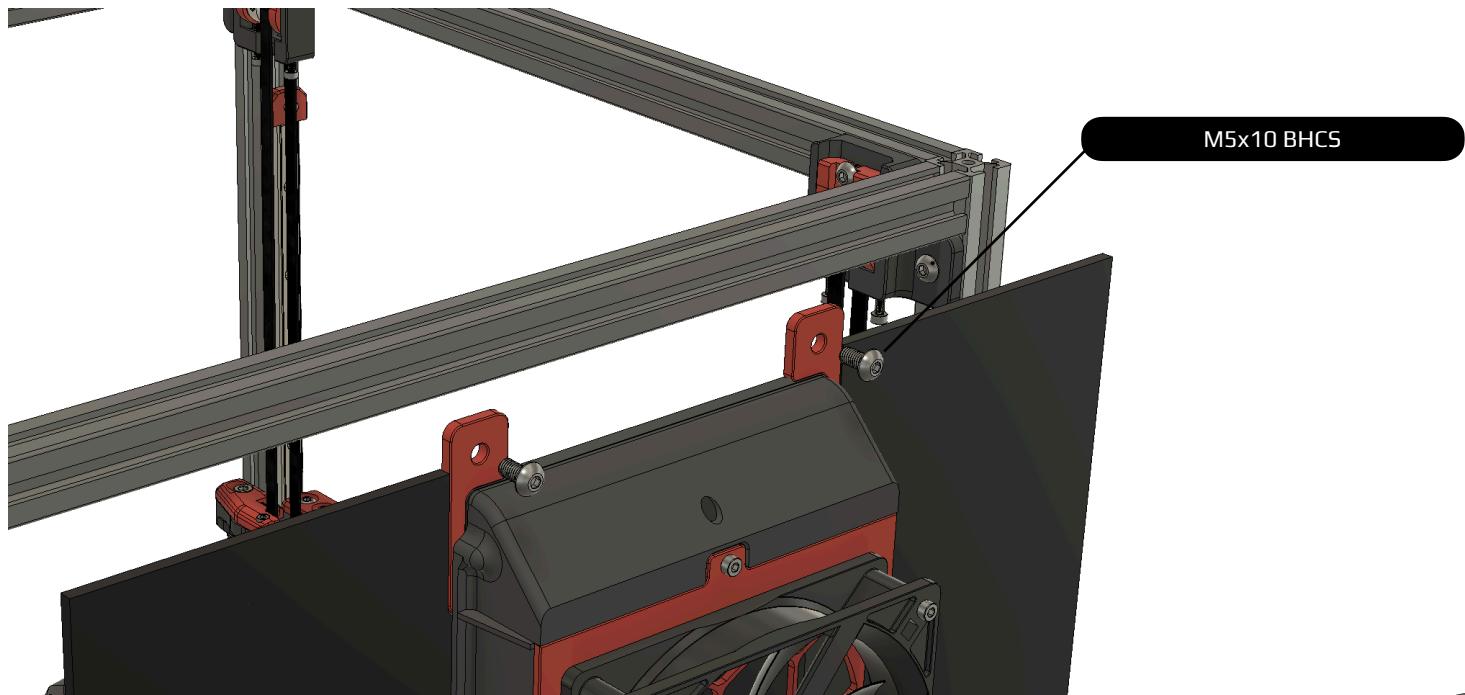
Rear Panel



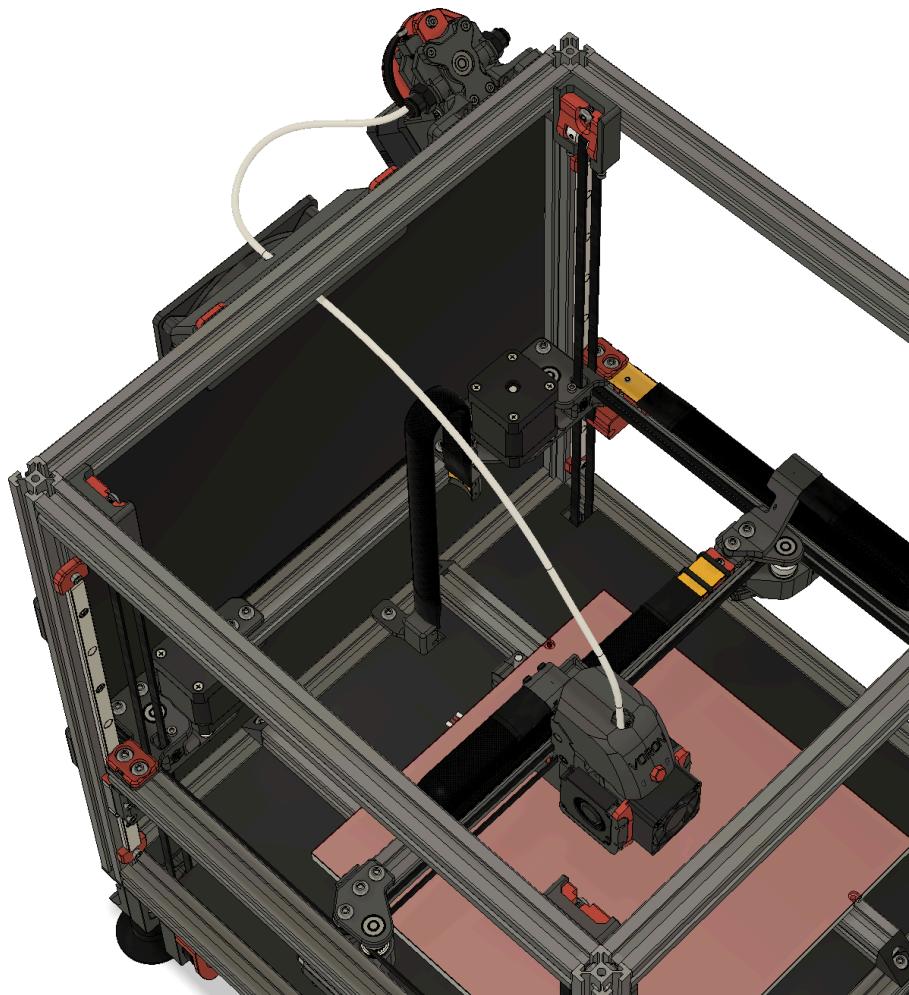
Rear Panel



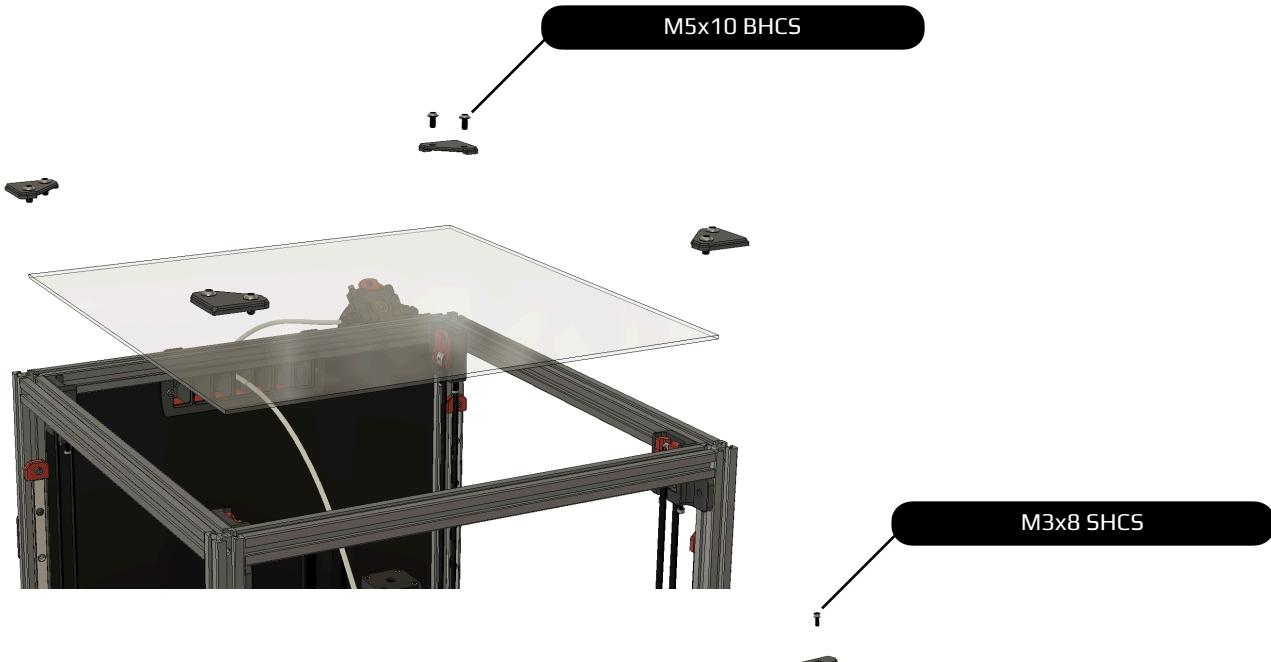
Rear Panel



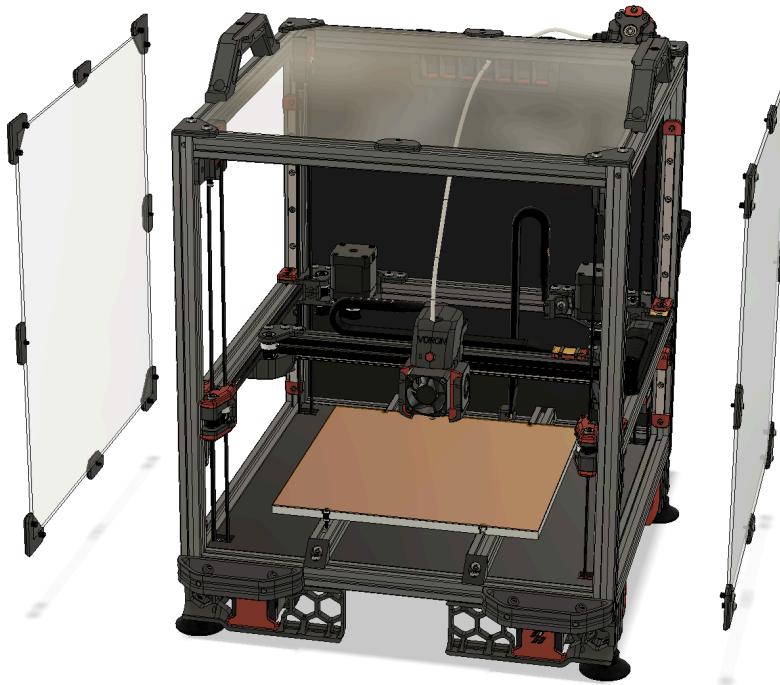
Bowden Tube



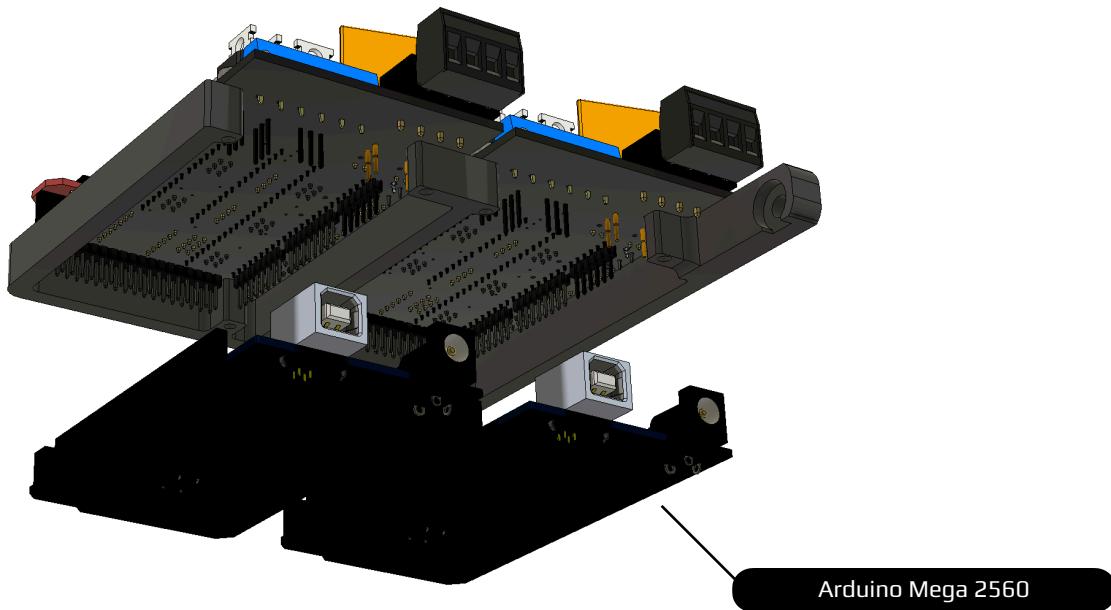
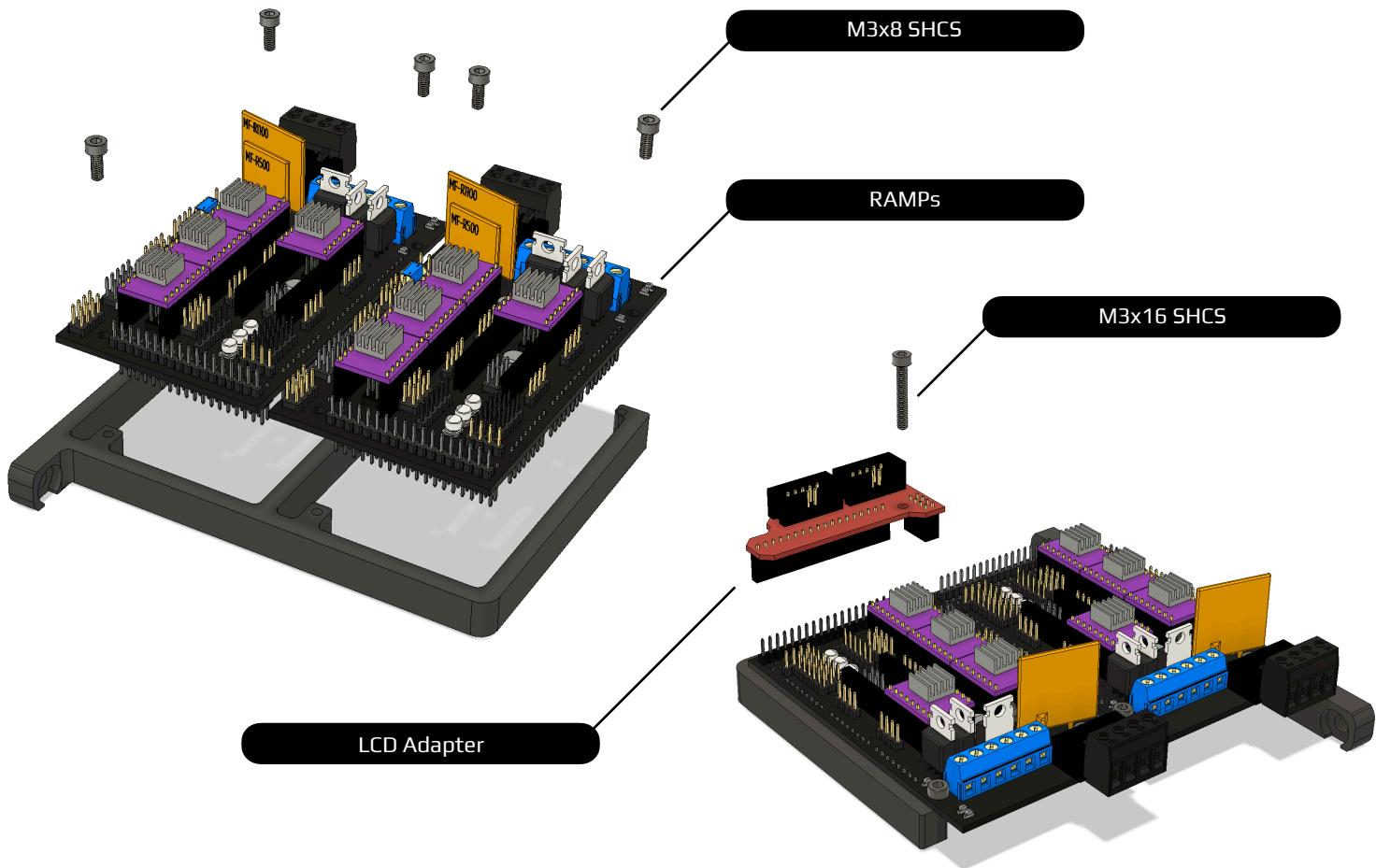
Top Panel



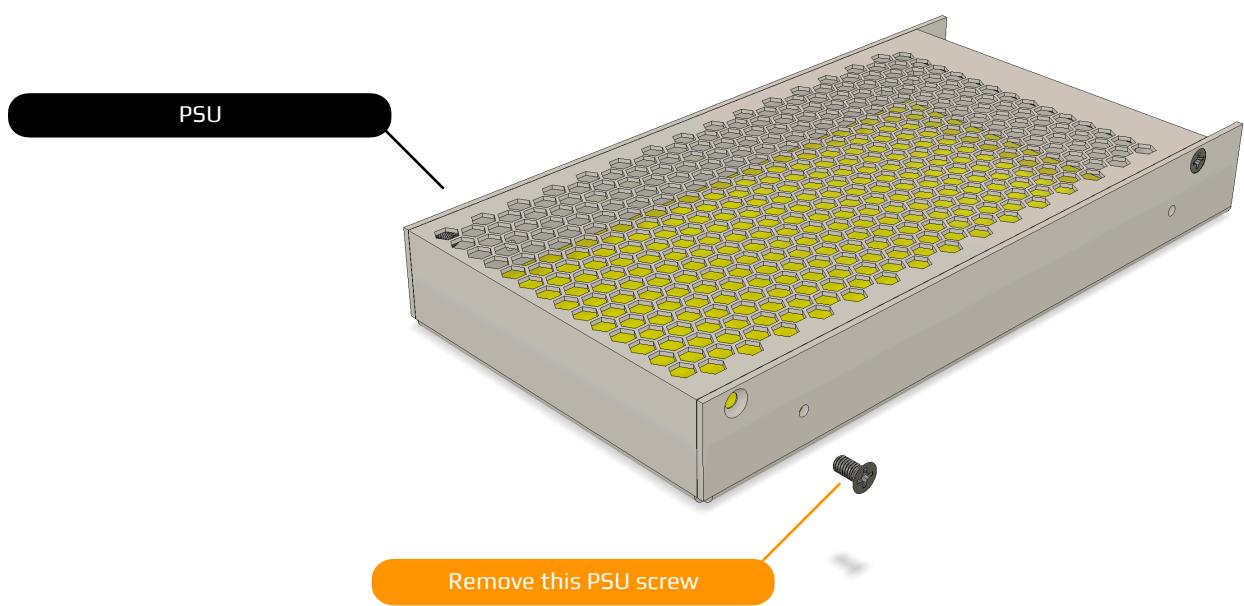
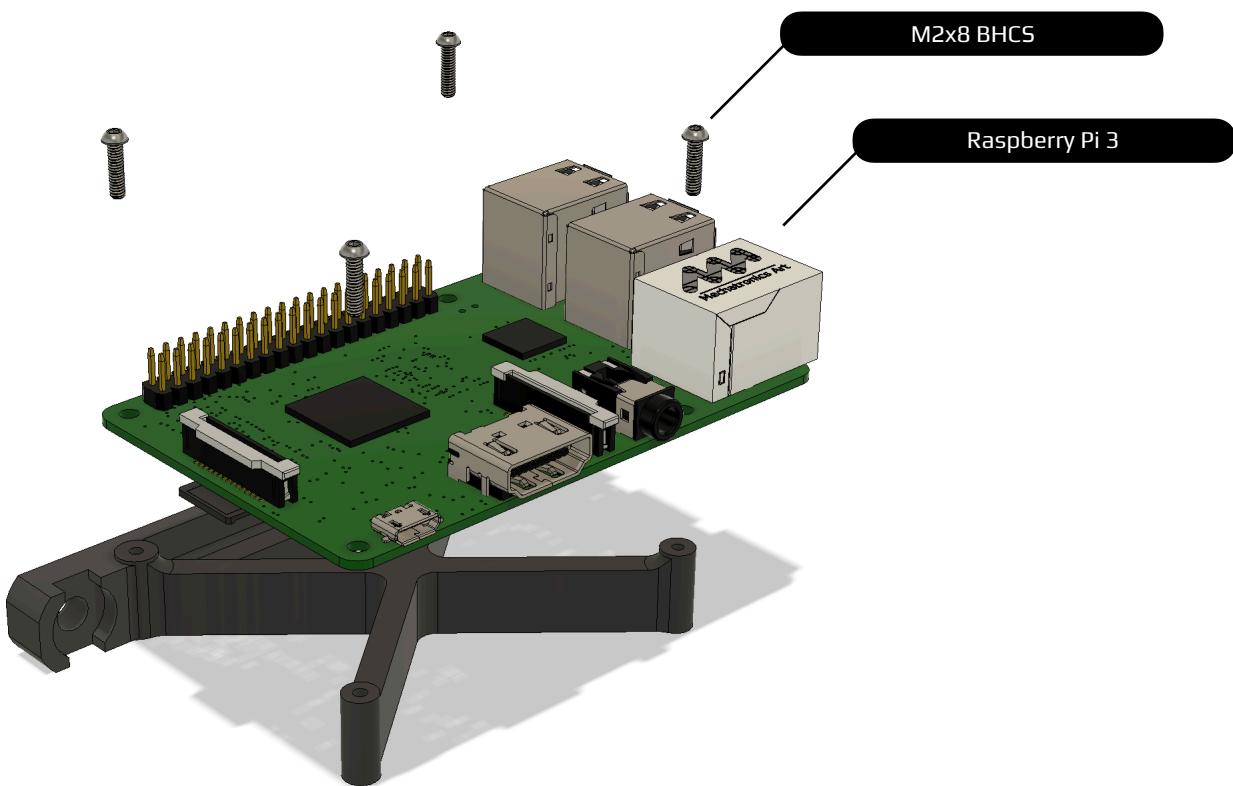
Front Handles and Side Panels



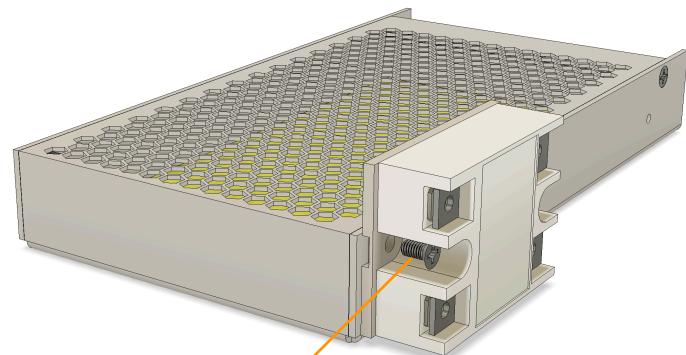
Electronics



Electronics

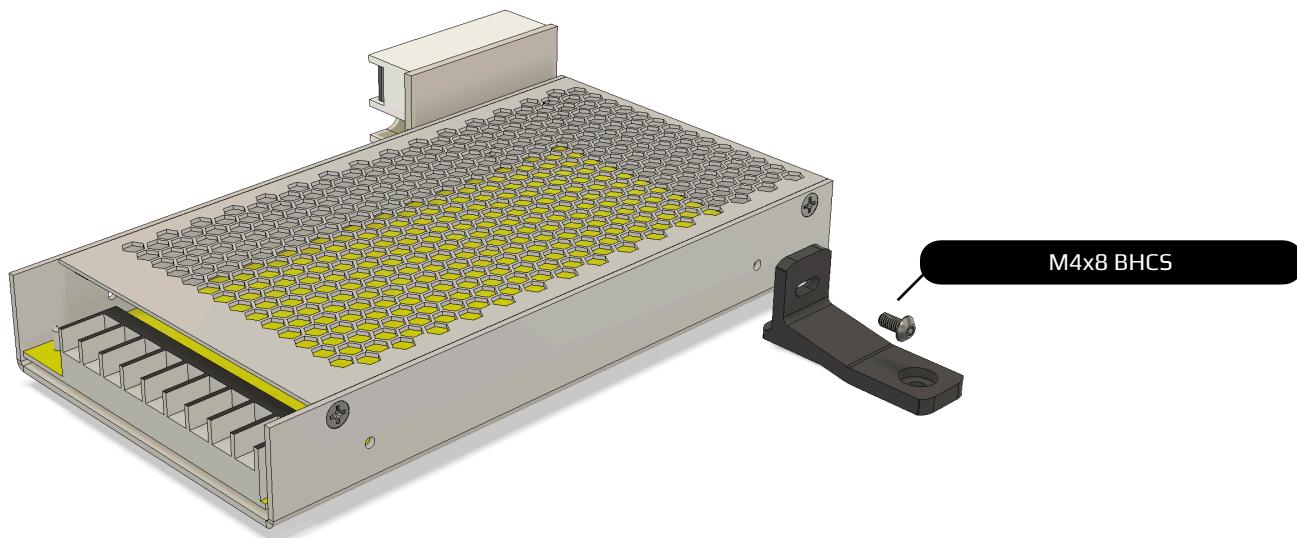


Electronics

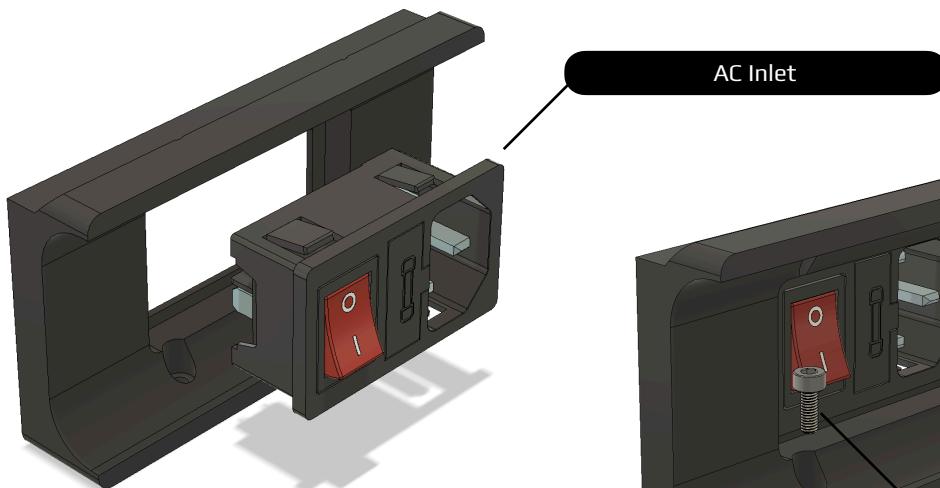


Use the PSU screw

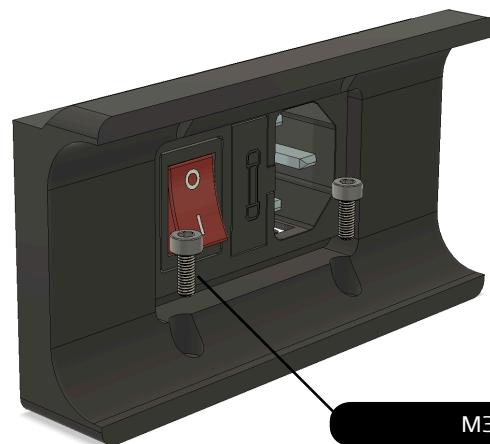
SSR



M4x8 BHCS

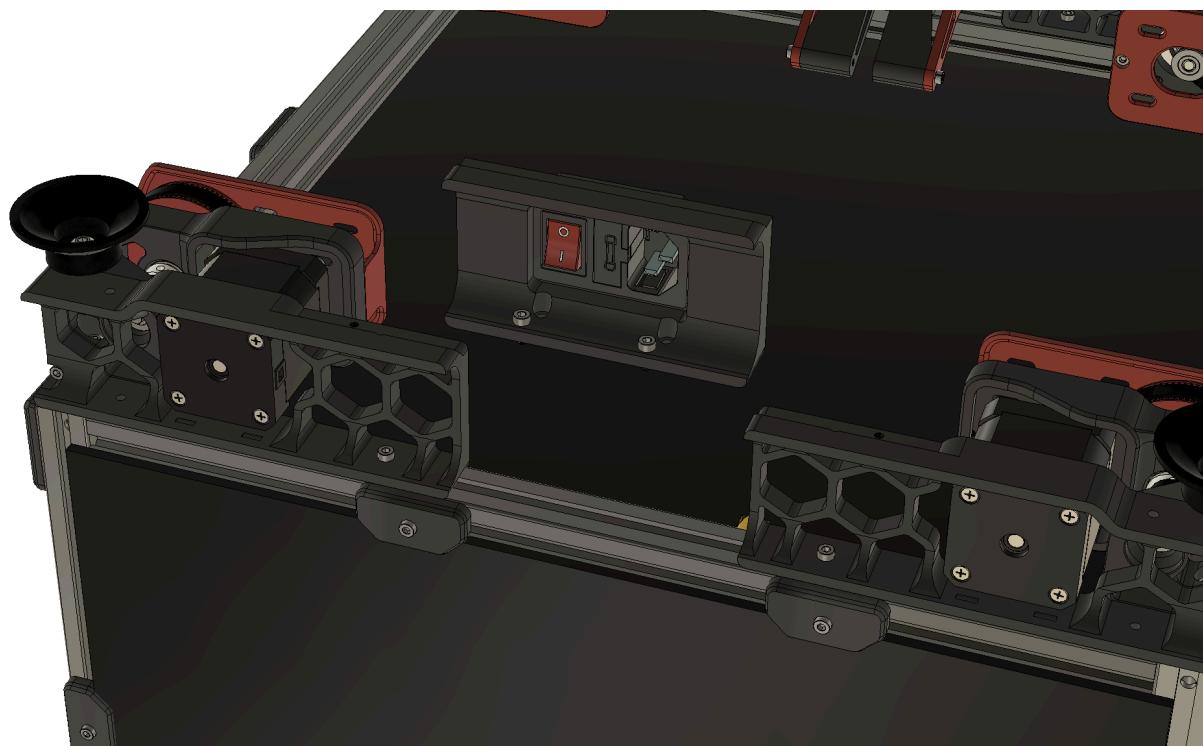
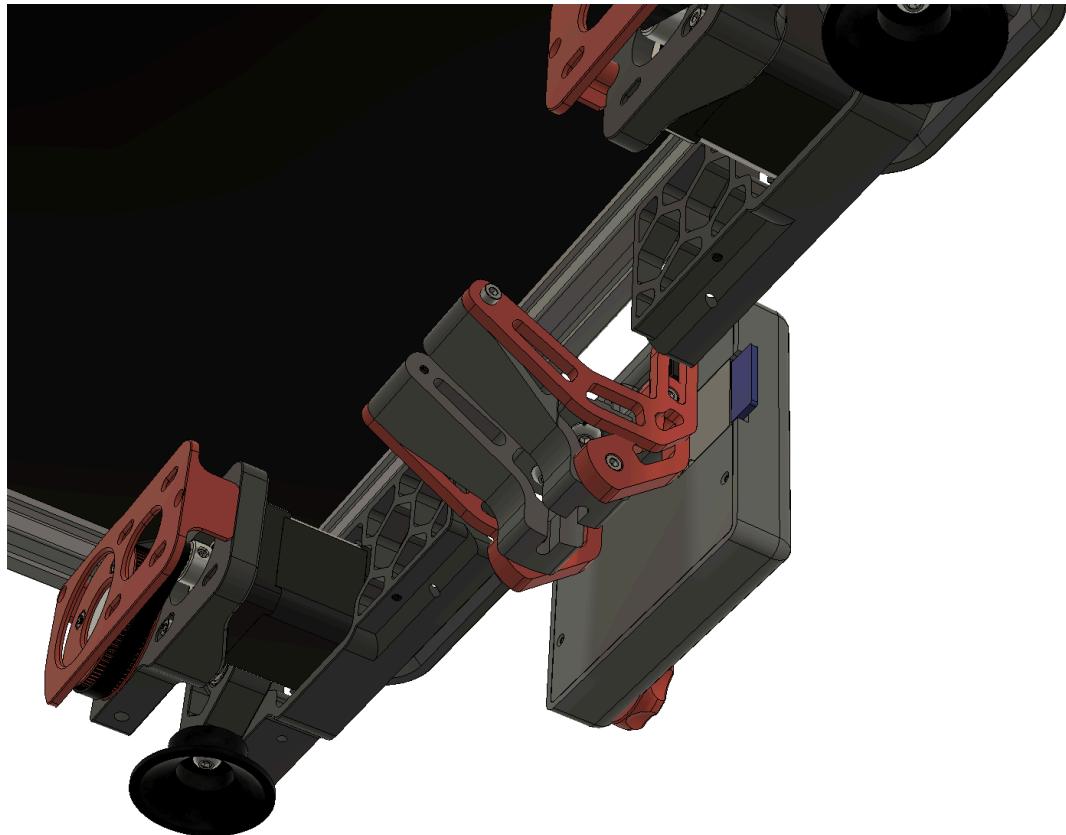


AC Inlet



M3x8 SHCS

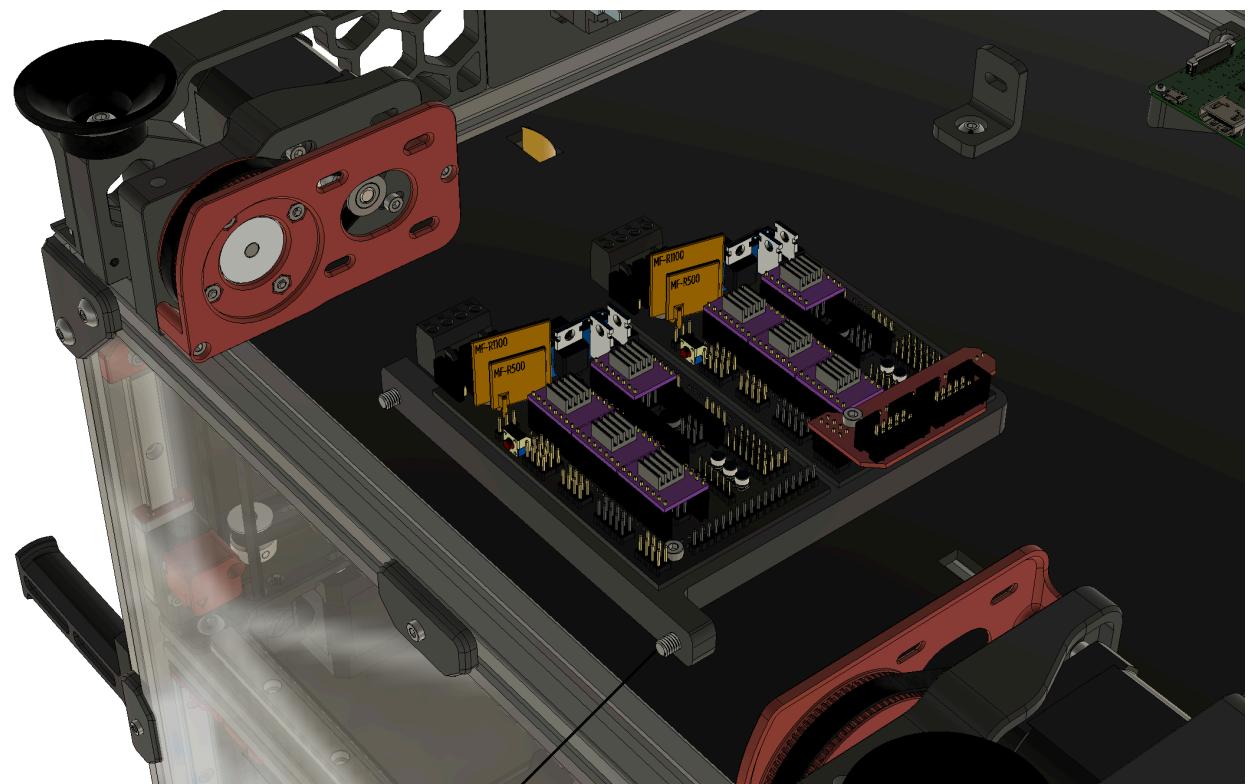
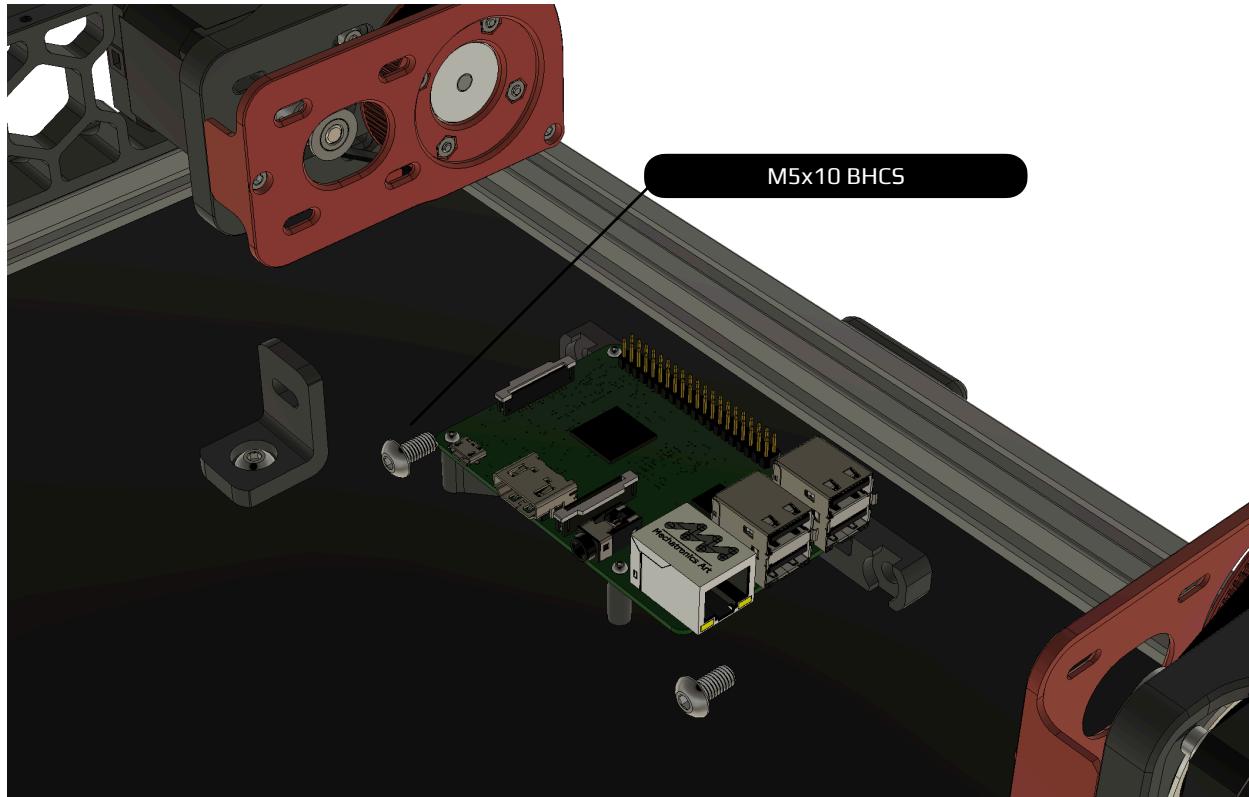
Electronics



Electronics

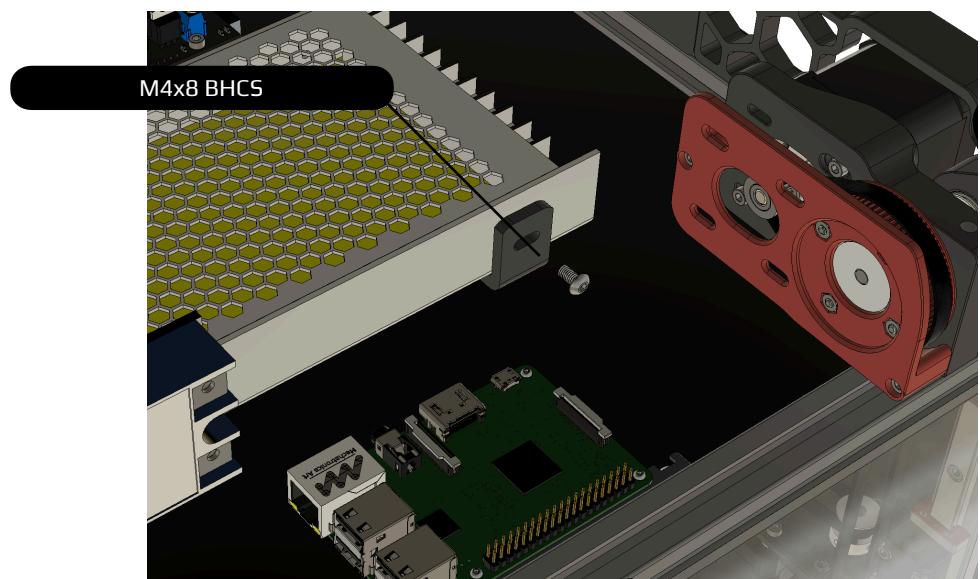
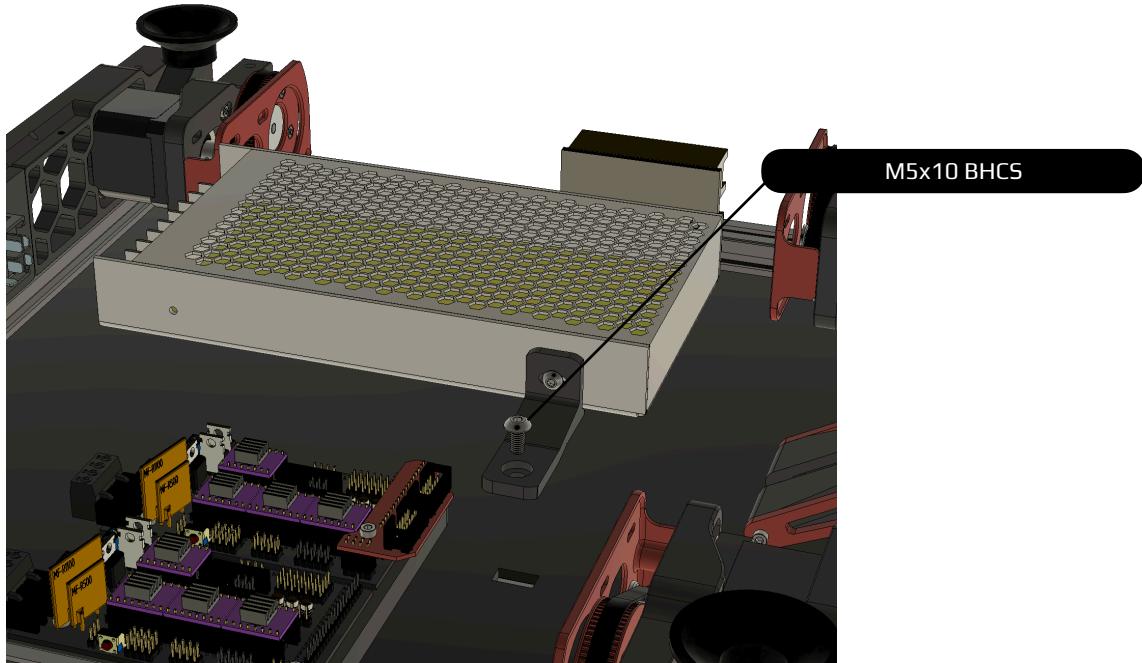


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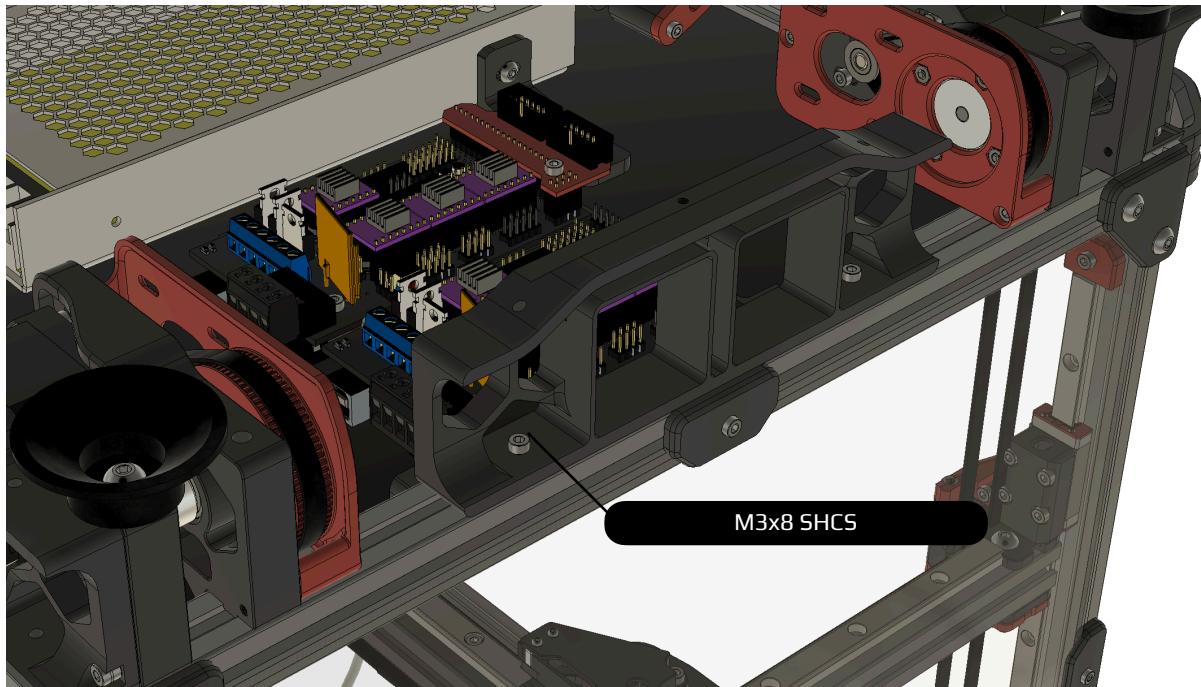


M5x10 BHCS

Electronics

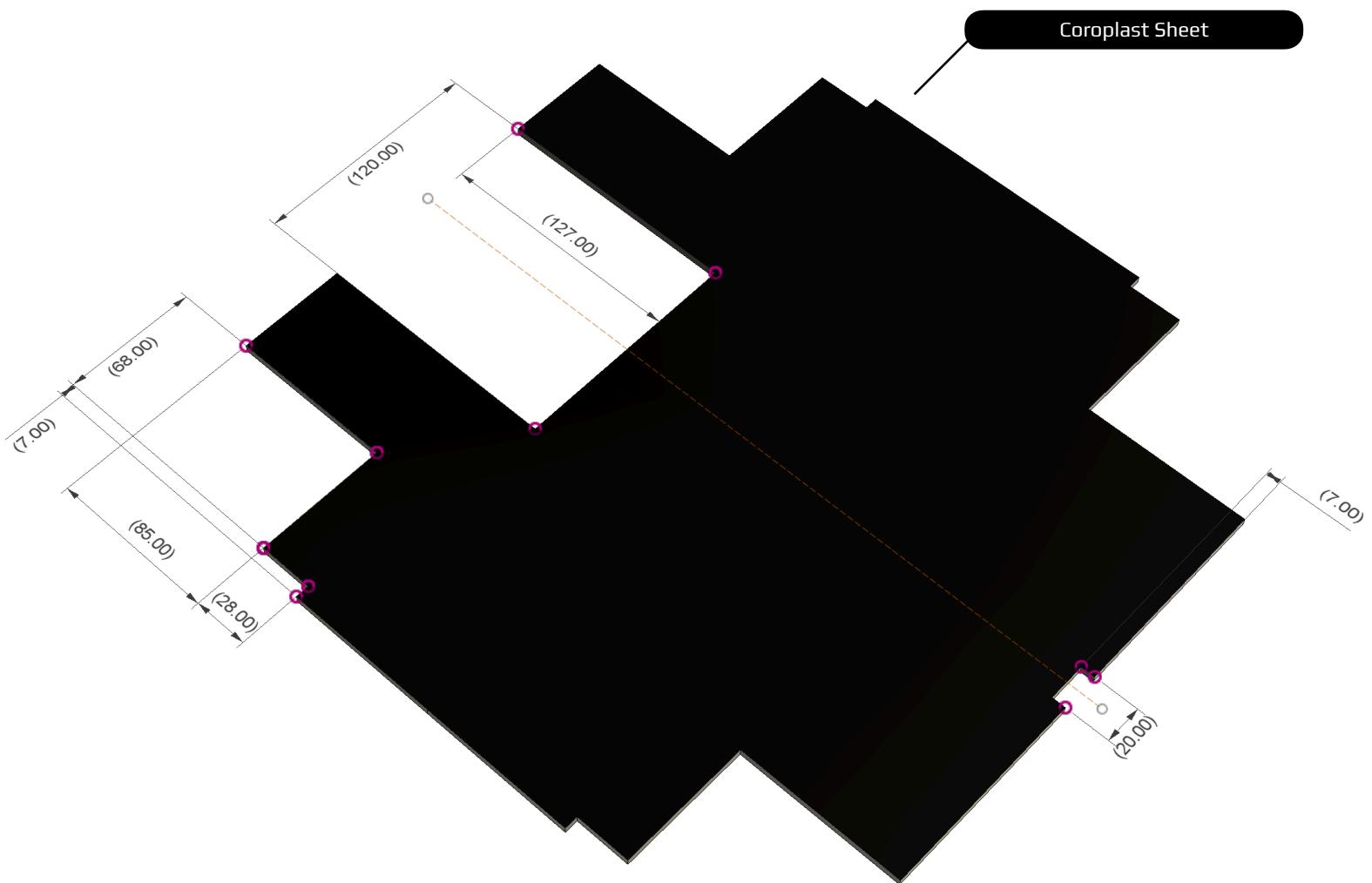


Electronics



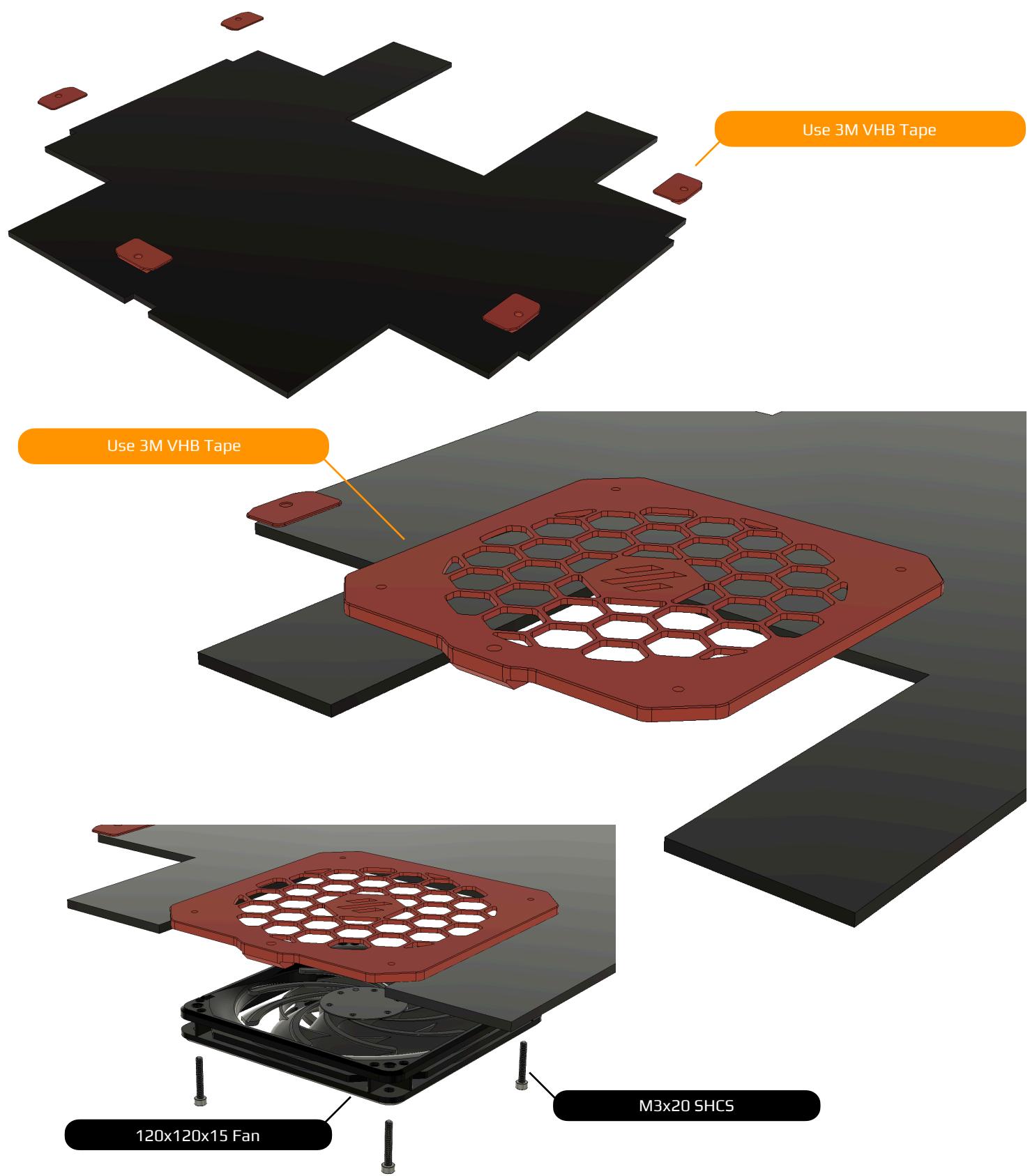
Install both side skirts

Bottom Panel

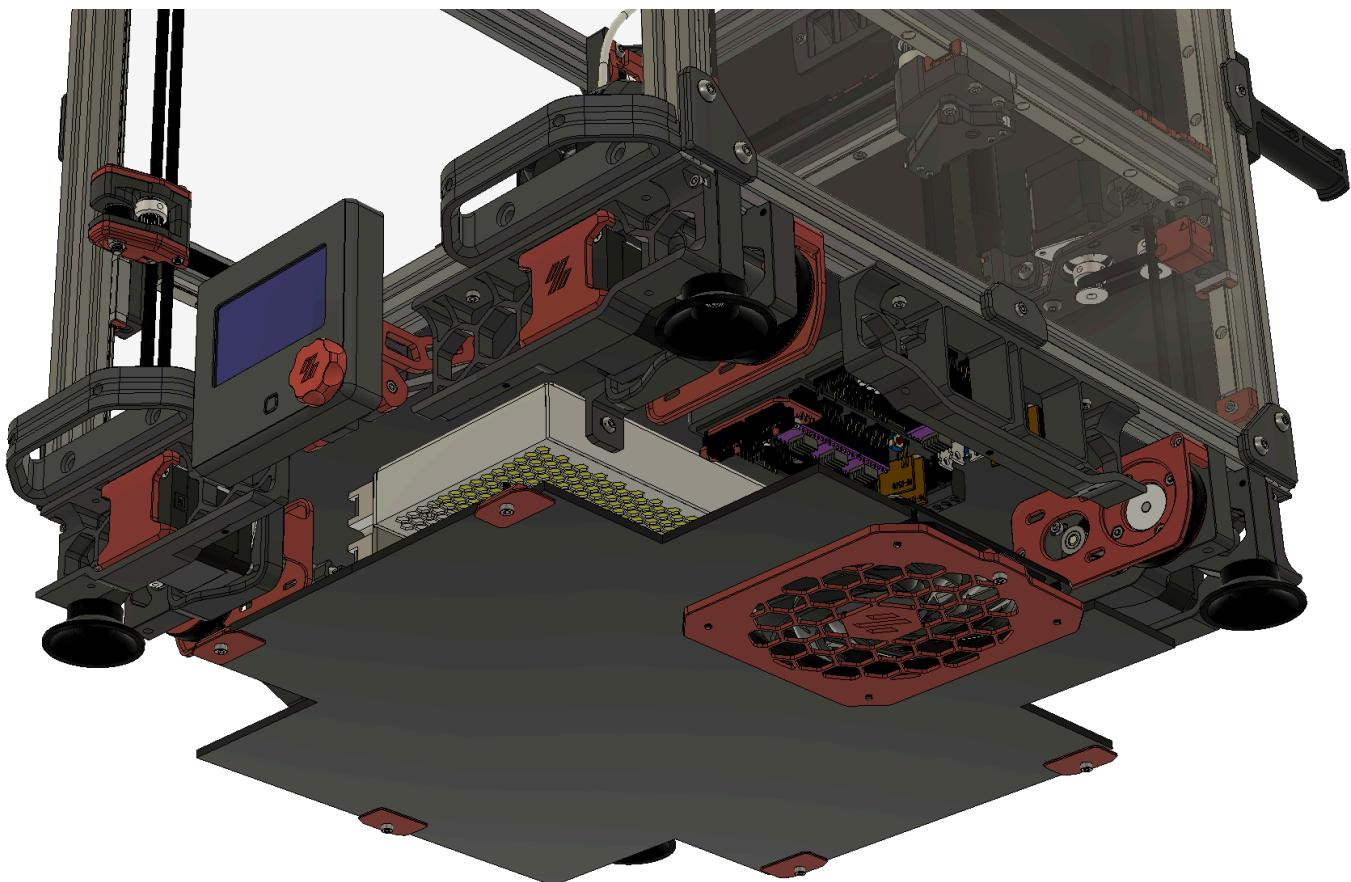
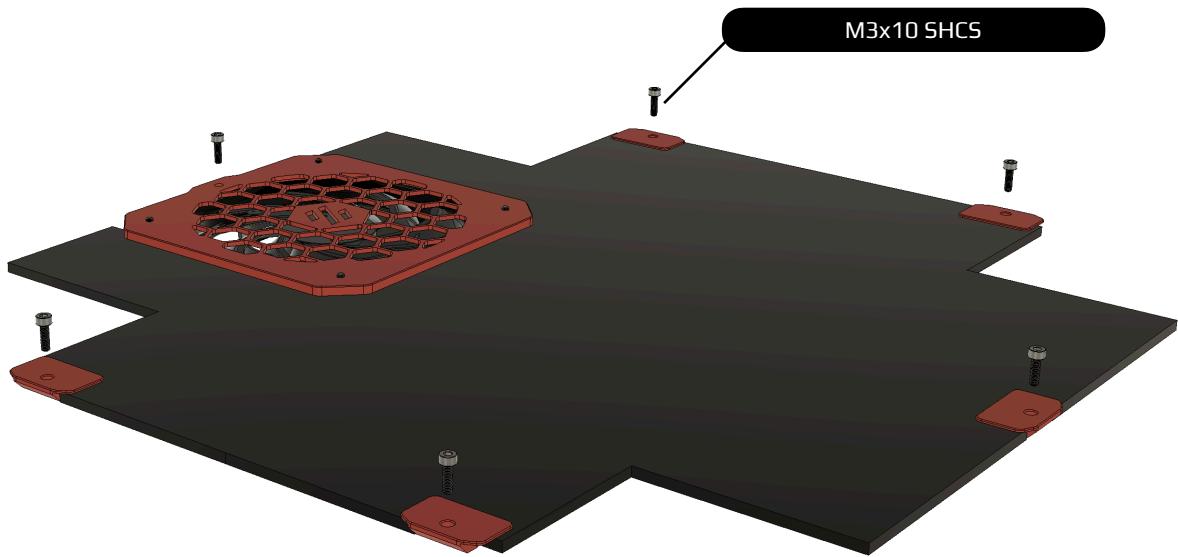


See Addendum for blueprint

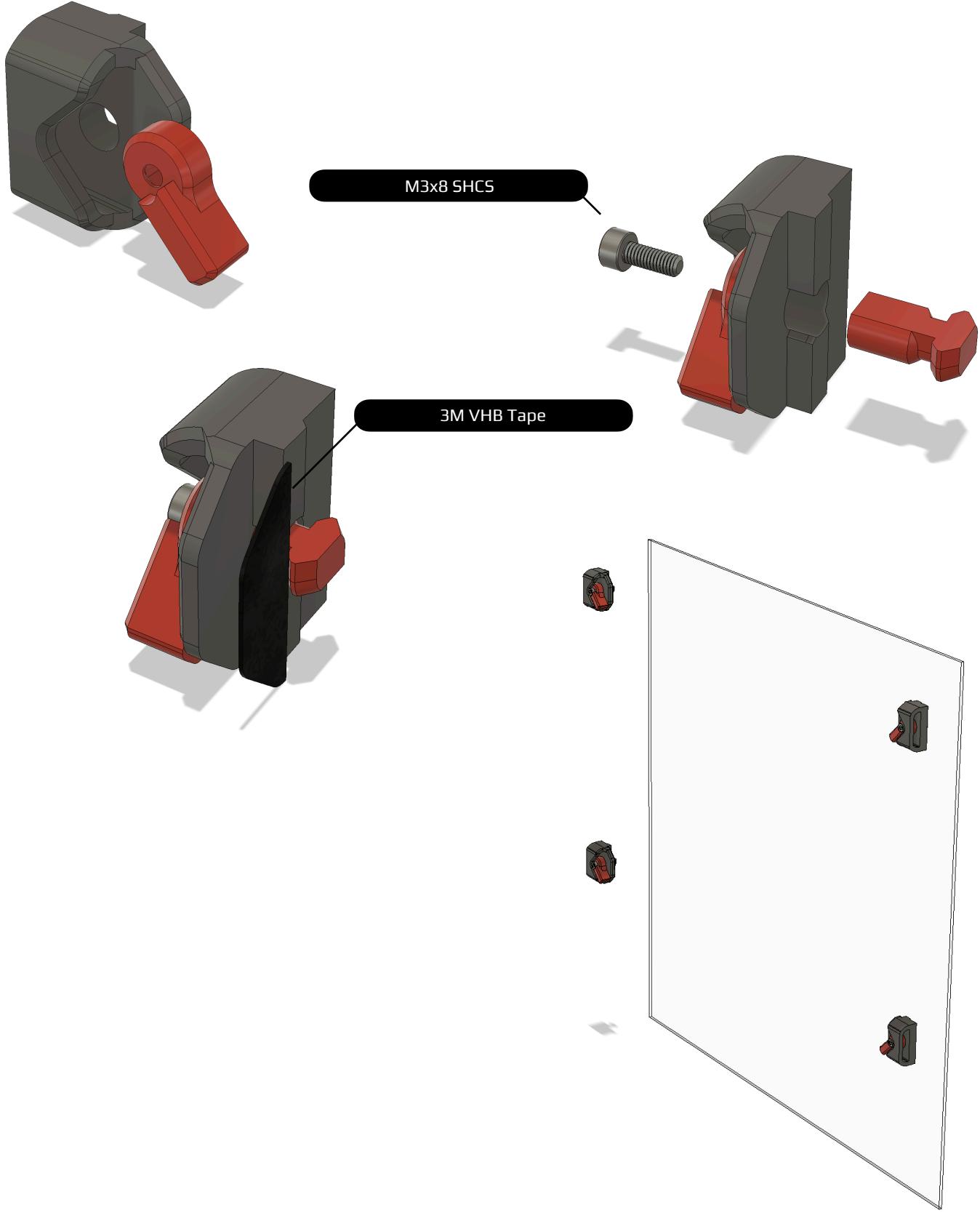
Bottom Panel



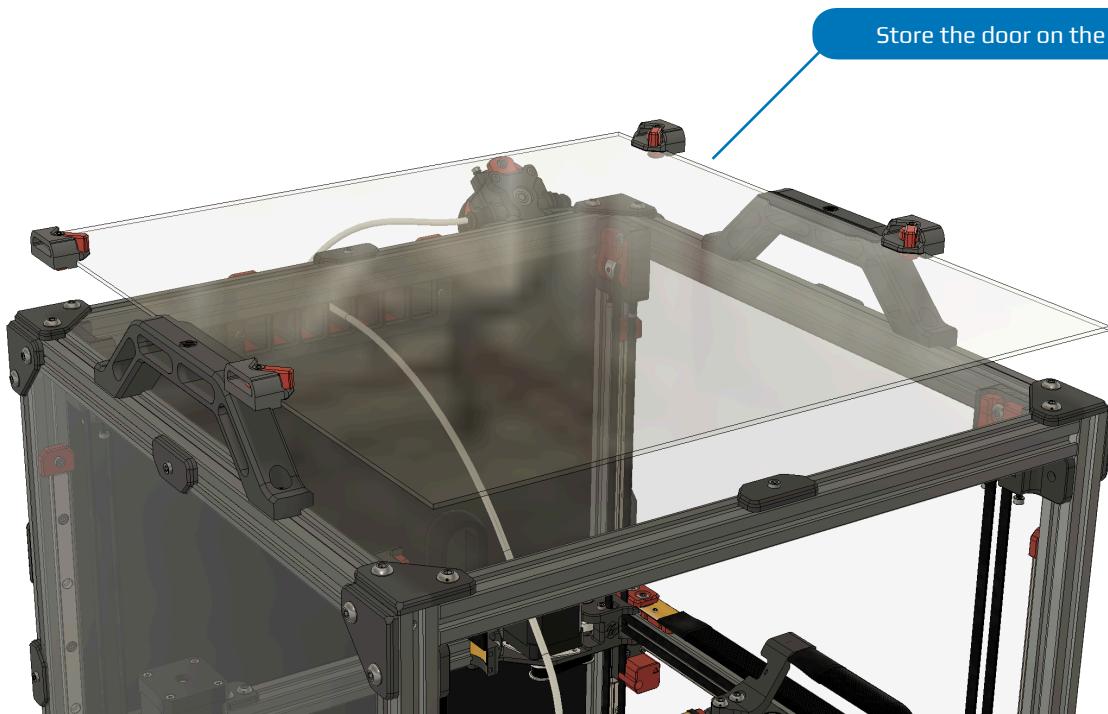
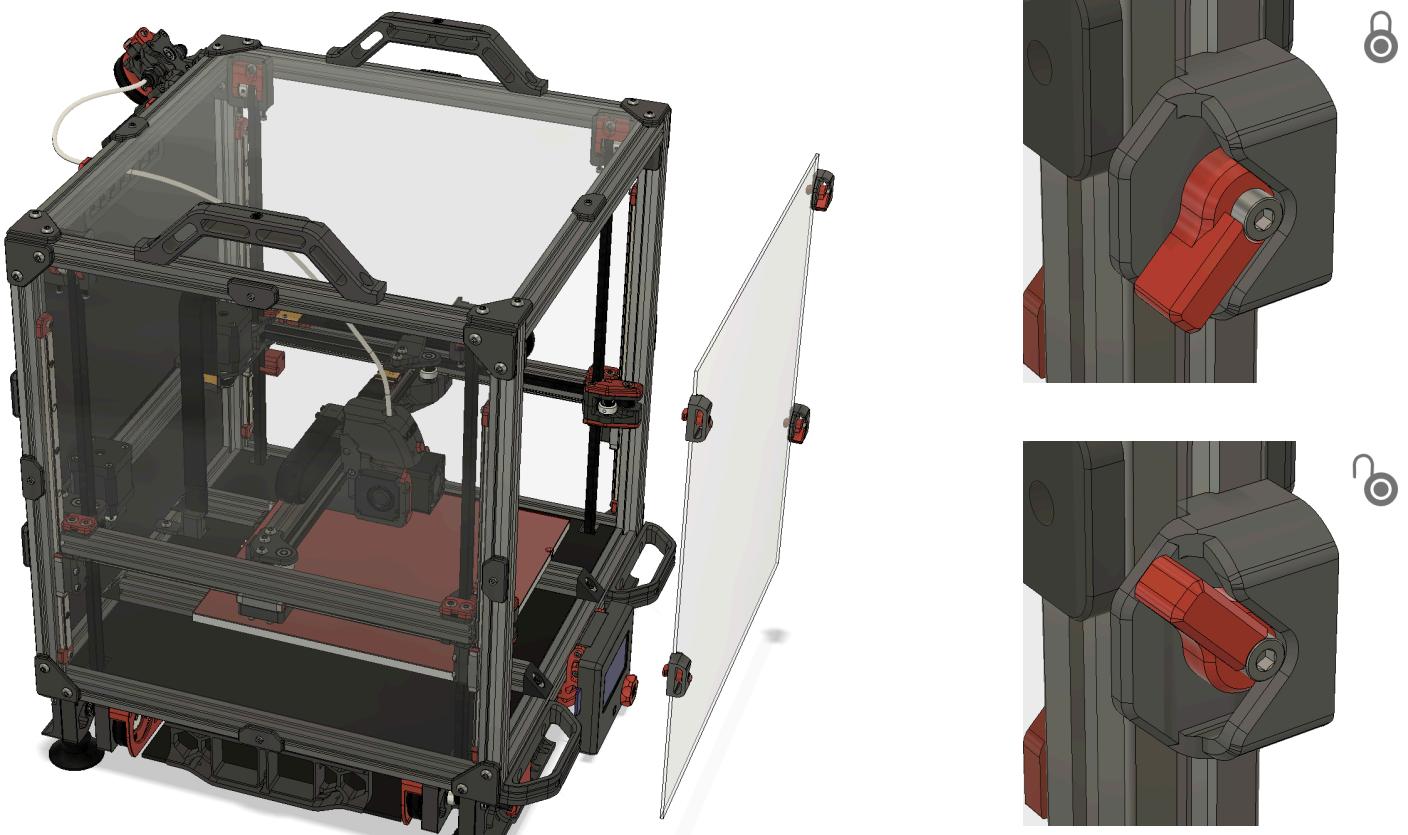
Bottom Panel



Front Cover



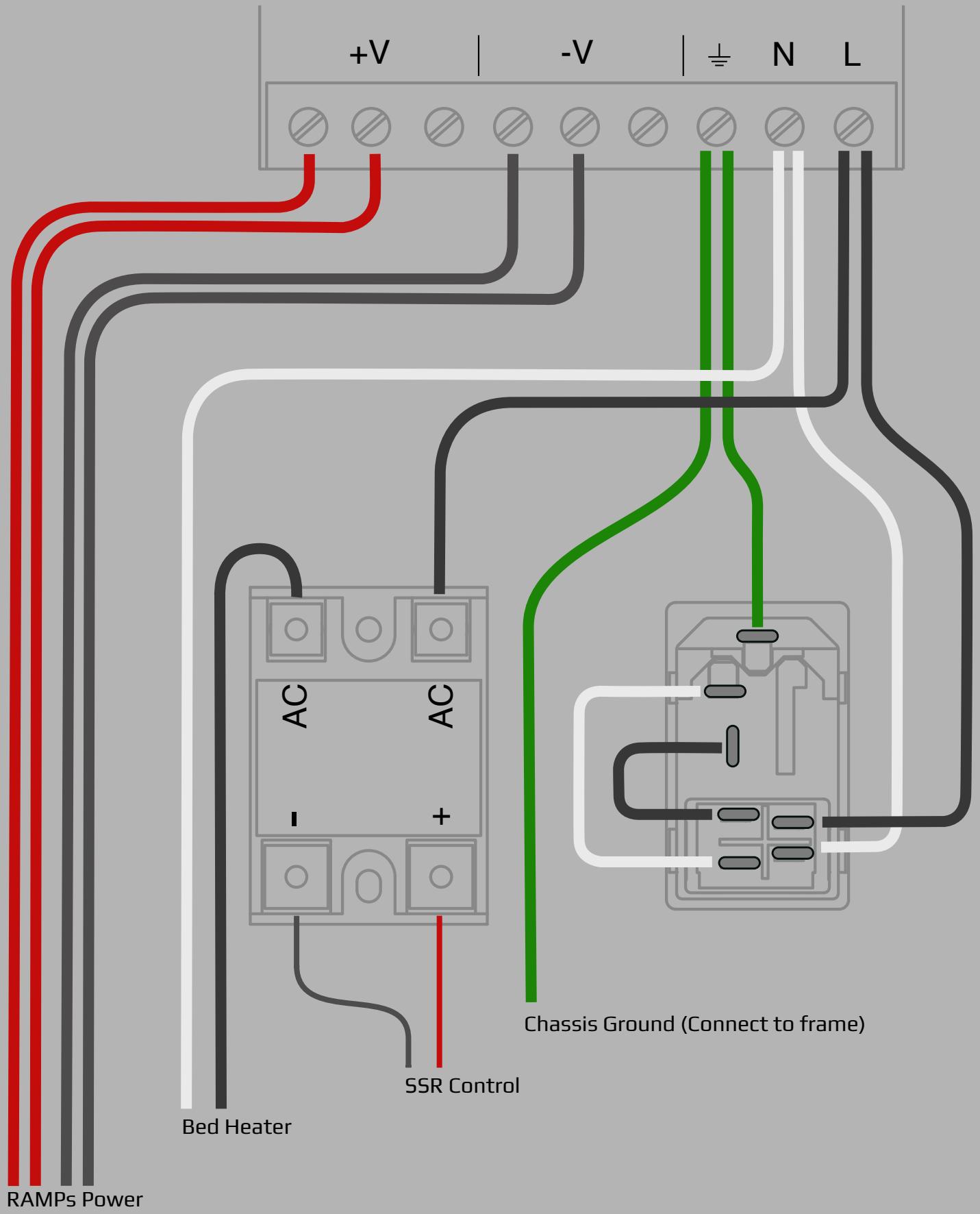
Front Cover





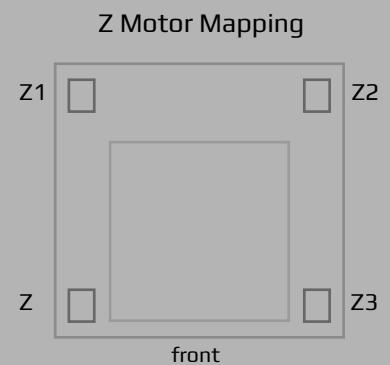
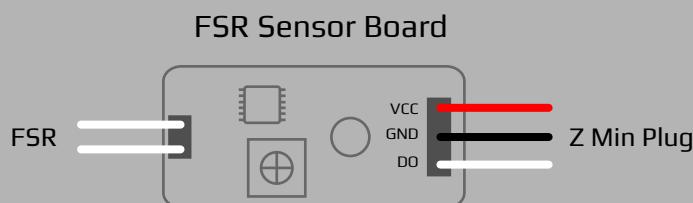
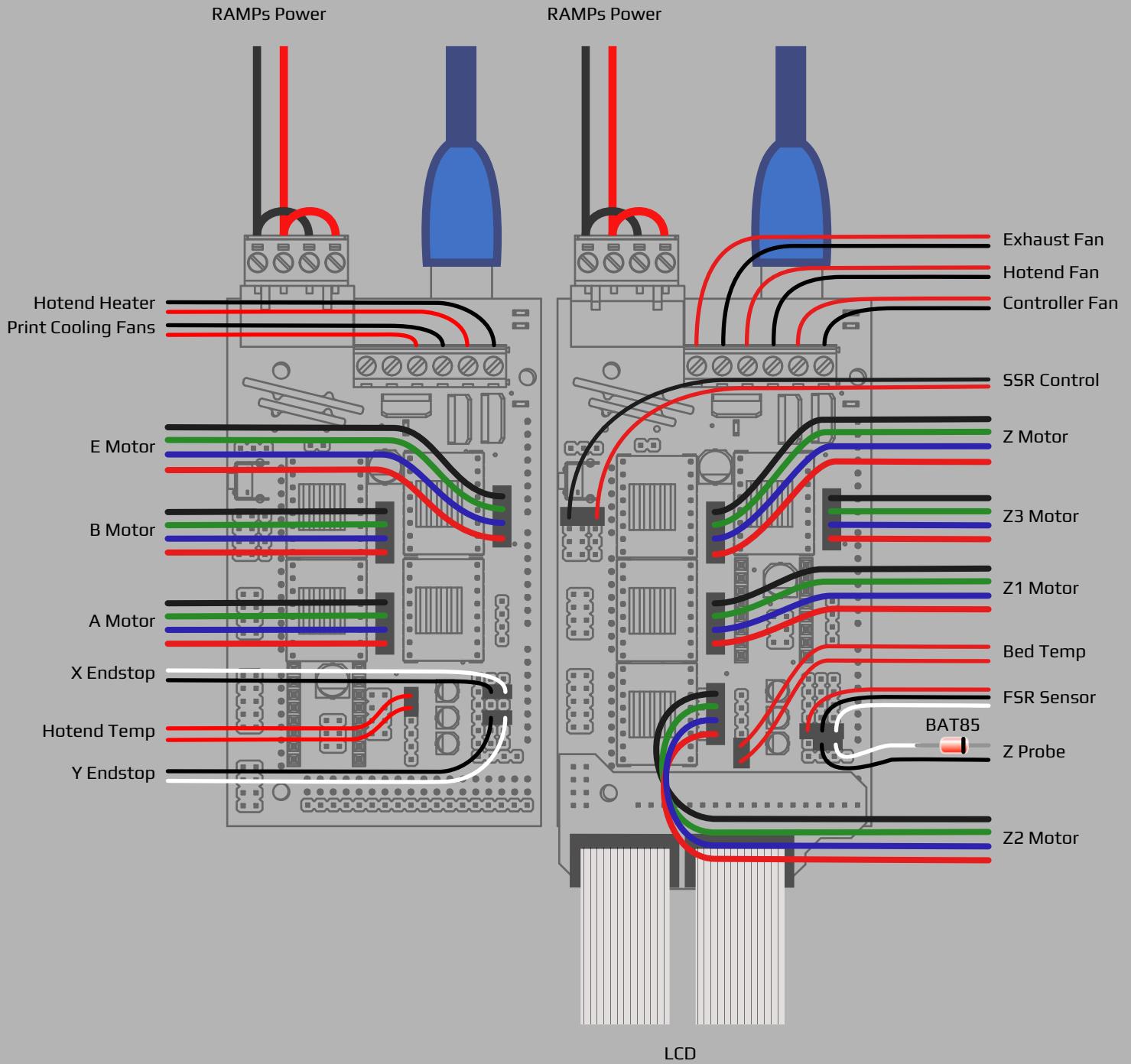
VORON2 Wiring

Power Supply / SSR



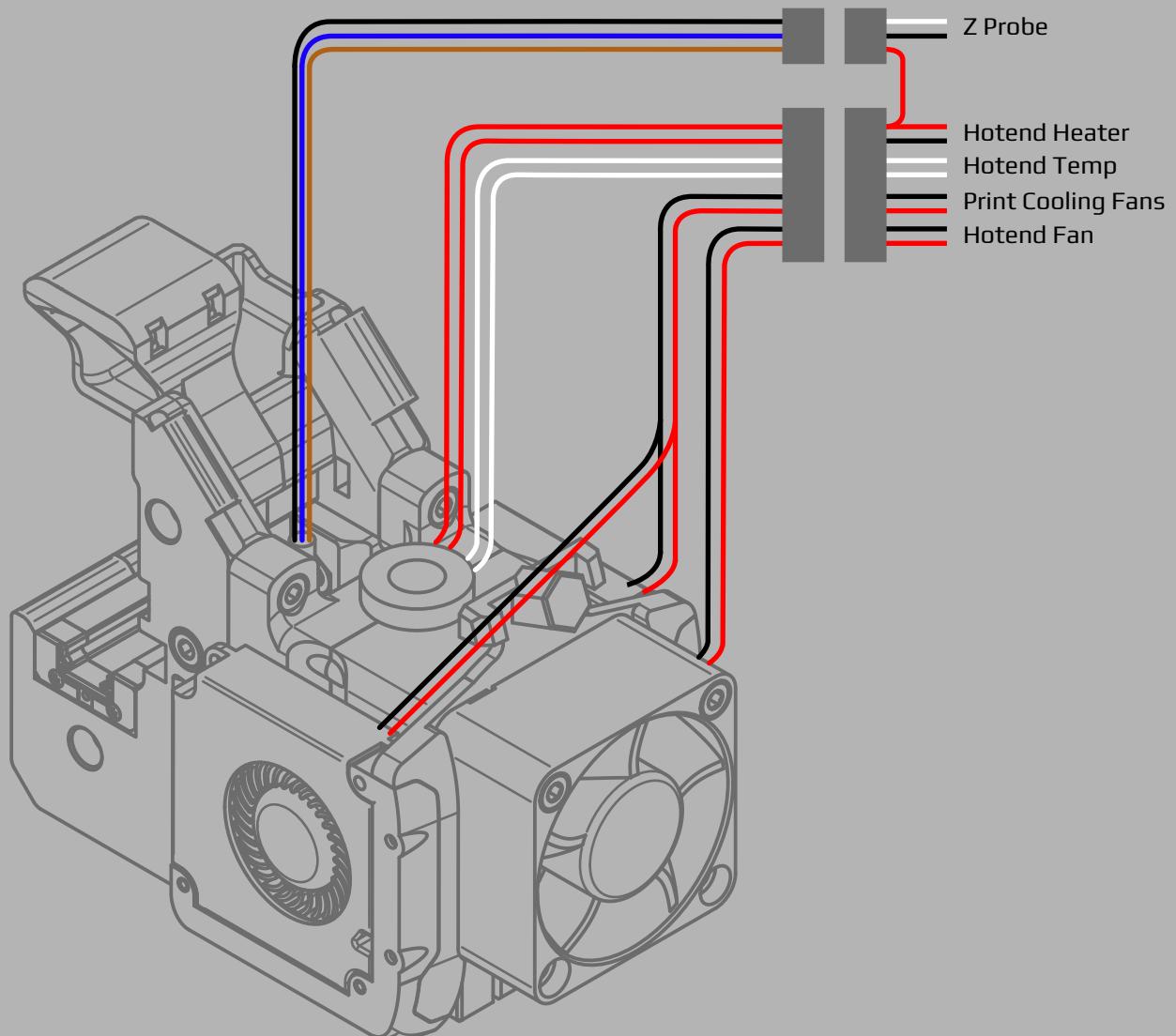
VORON2 Wiring

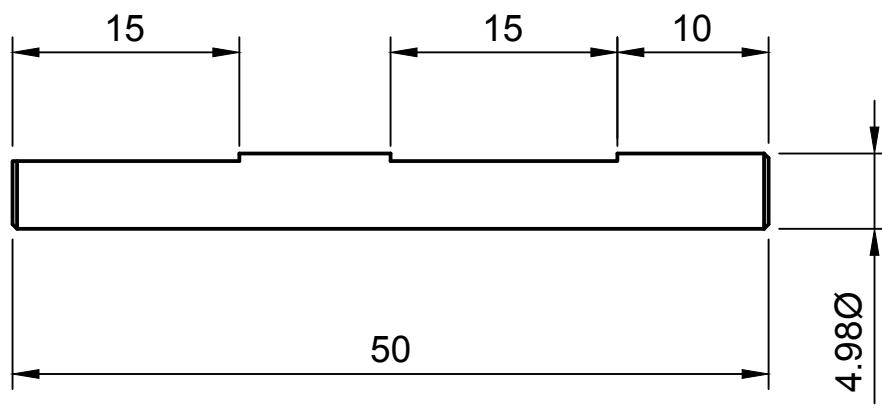
MCU (RAMPs)



VORON2 Wiring

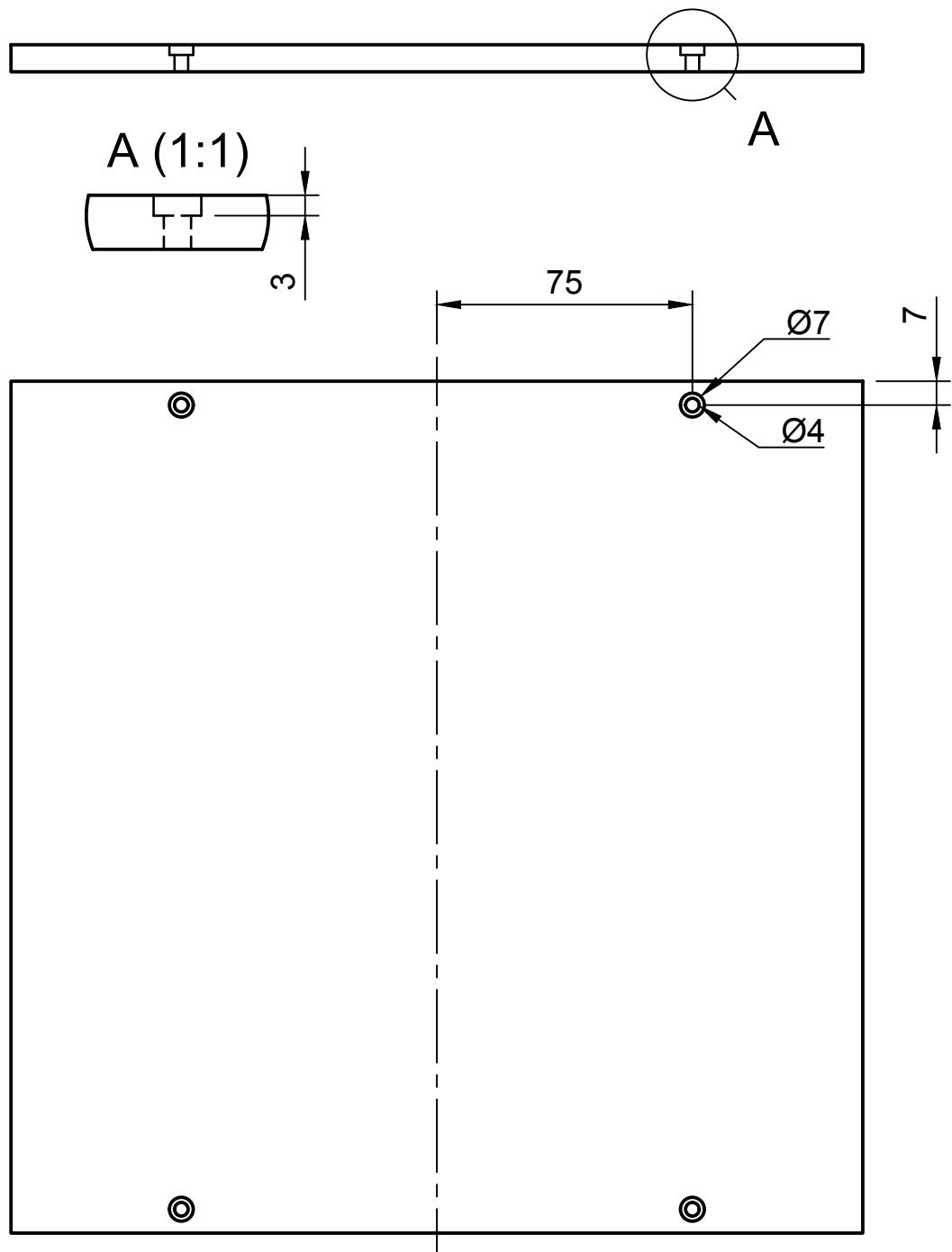
Toolhead





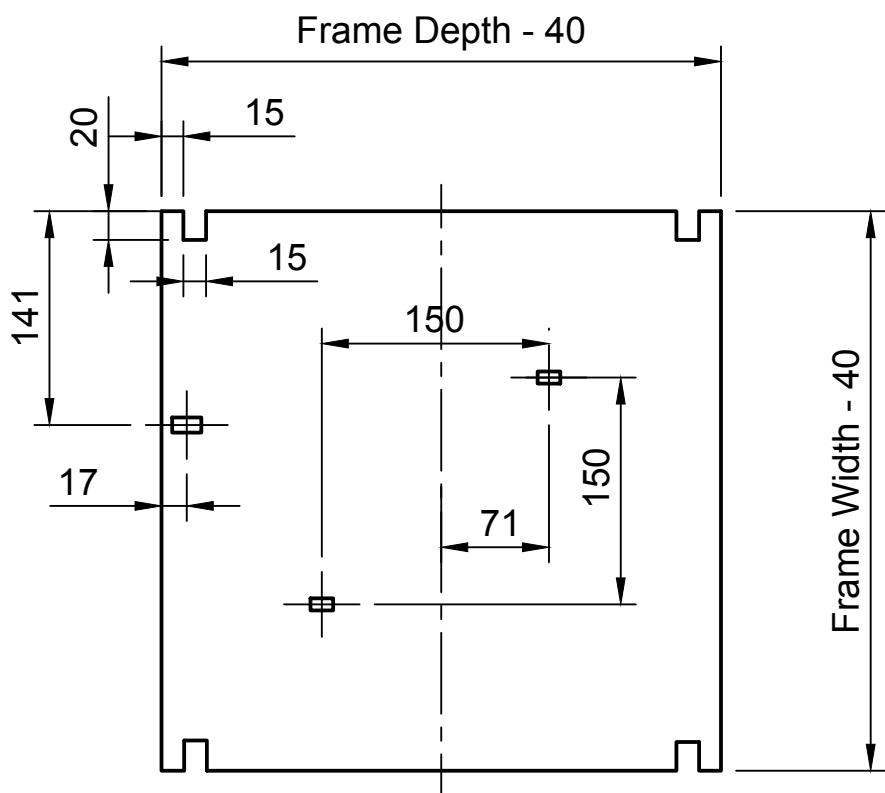
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Rev.	Date of issue	Sheet	1/1

VORON
D E S I G N

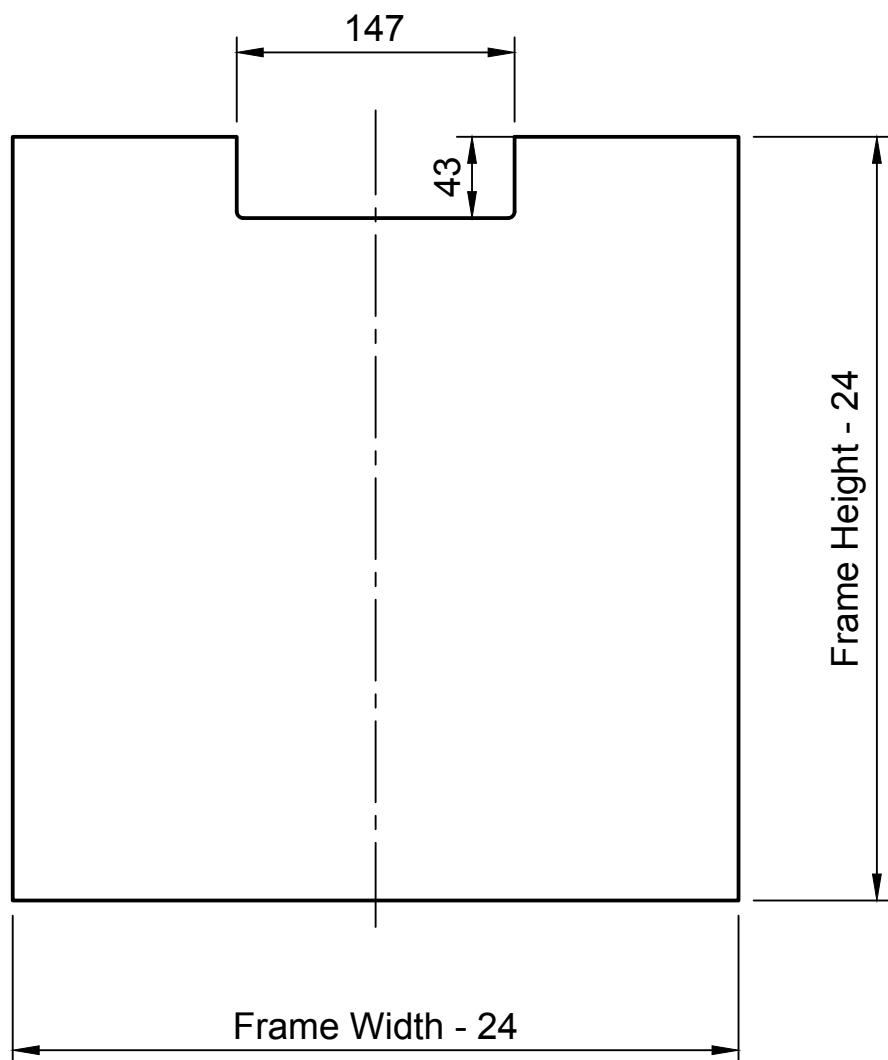


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VORON
D E S I G N

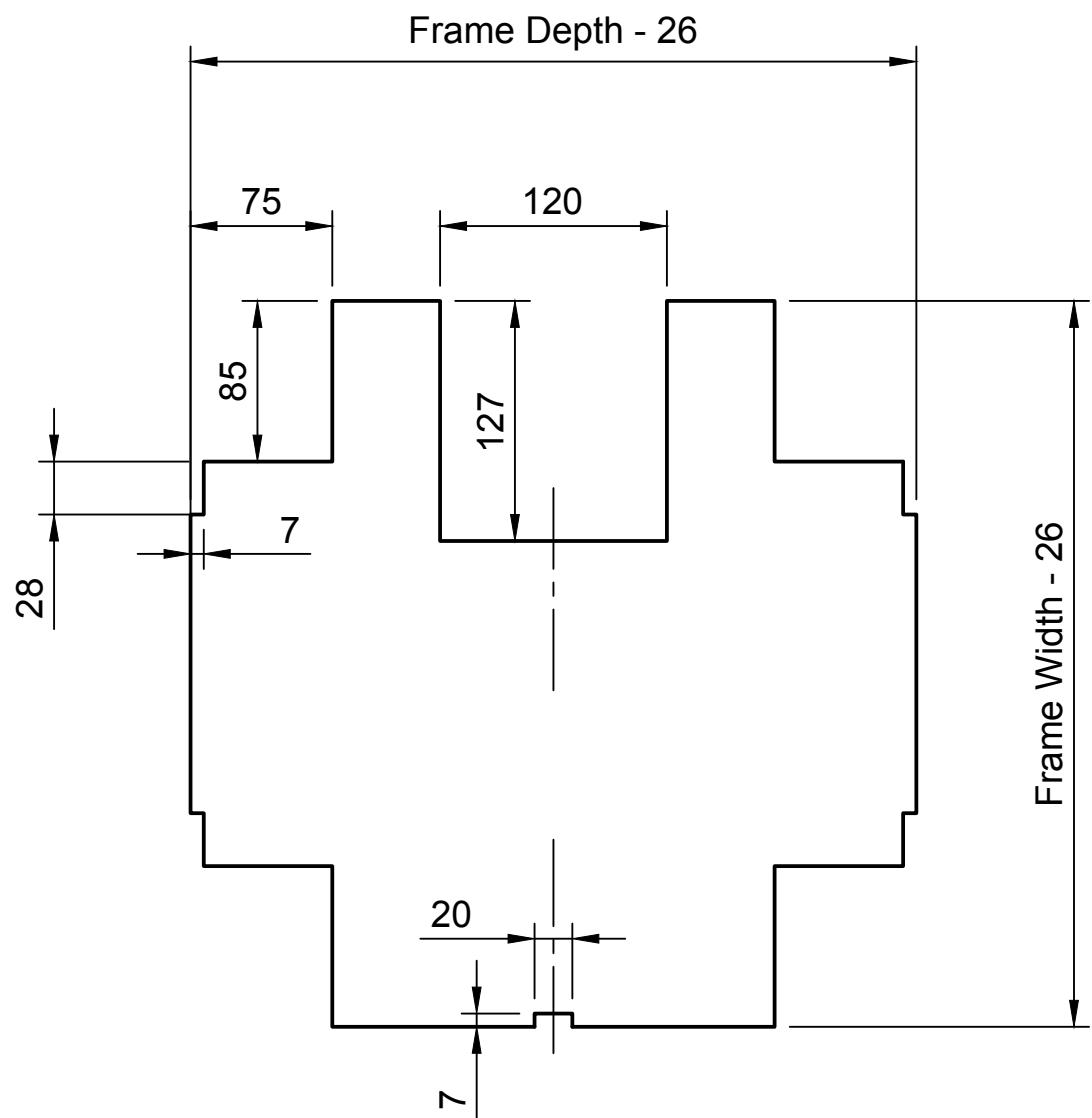


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VORON DESIGN			Rev. Date of issue Sheet 1/1



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		11/07/18	
Document type		Document status	
Title VORON 2.1 Rear Panel		DWG No.	
Rev.		Date of issue	Sheet 1/1





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		10/21/18	
Document type		Document status	
Title VORON2.1 Bottom Panel		DWG No.	
Rev.		Date of issue	Sheet 1/1