

- GANTRY FRAME

· RAIL



INTRODUCTION



Before you begin on your journey, a word of caution.

In the comfort of your own home you are about to assemble a robot. This machine can maim, burn, and electrocute you if you are not careful. Please do not become the first VORON fatality. There is no special Reddit flair for that.

Please, read the entire manual before you start assembly. As you begin wrenching, please check our Discord channels for any tips and questions that may halt your progress.

Most of all, good luck!

THE VORON TEAM





GENERIC CABLE CHAINS

The 3 hole pattern is usually found on generic cable chains.



IGUS CABLE CHAINS

IGUS chains have 2 mounting holes.



WHICH TO CHOOSE?

Pick the style that matches the mounting pattern of your cable chains.



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06



YAXIS

07









NOTCH ORIENTATION

The indentation along the part is designed to clamp on the belt. The notch points away from the idler assembly.





FLUSH INSTALL

Make sure the plastic part sits flush with the end of the extrusion. If you can't; check if you installed the correct idler.





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The indentation along the part is designed to clamp on the belt. The notch points away from the drive assembly.



FLUSH INSTALL

Make sure the plastic part sits flush with the end of the extrusion.

XJ JOINTS





RIGHT XY JOINT

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CABLE PATH The printed parts for the right XY joint have a small channel to guide the end stop wires.. 0 1D 0 \bigcirc

RIGHT XY JOINT



LEFT XY JOINT











X AXIS





X AXIS

X AXIS



CHECK YOUR WORK

Compare your assembled part to the graphic shown here.

Pay attention to the pulley orientation

and alignment with the bearing stack

ups.

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