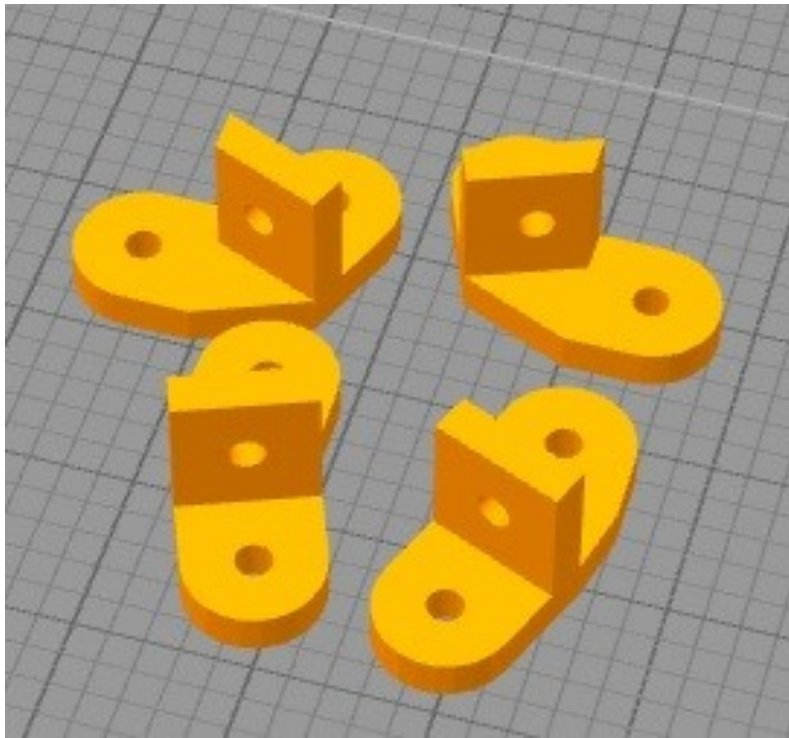


Pegasus

Printable Upgrades



MAKERFARM



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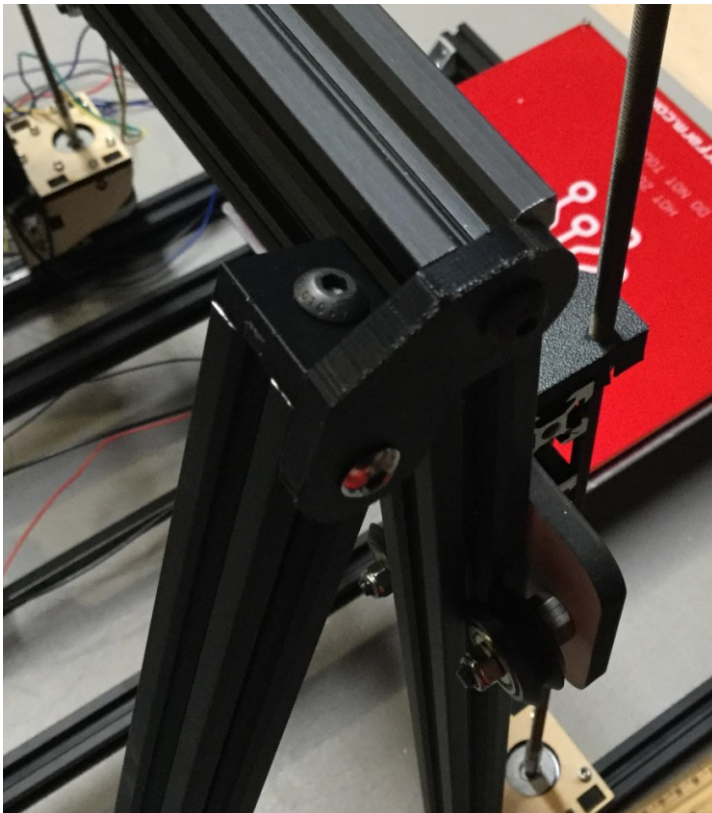
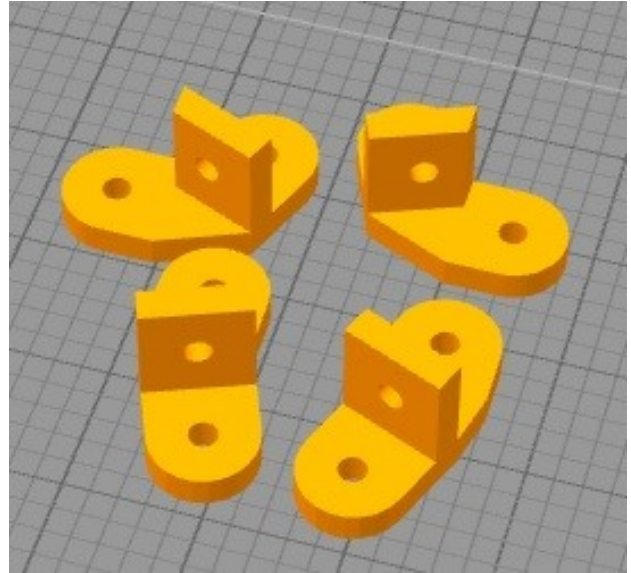
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Leg Supports

If your printer came with the printed leg supports as shown on the right go ahead and gather them, if your kit didn't include the leg supports go ahead and print them as soon as you have finished building the printer (Legsupports.stl in the "Printed Pegasus Parts/Upgrades" folder)



You will need 2 x 375mm V-Slot Extrusion for an 8" Pegasus: <http://www.makerfarm.com/index.php/hardware/v-slot-linear-rail.html>

Install the Leg Supports onto the two short Extrusions, there is a top and bottom piece, the top is shown on the left, the bottom is shown below. Use 6 M5x12mm bolts and 2 T-Nuts on each extrusions then install the extrusion on the back of the printer as shown in the picture.



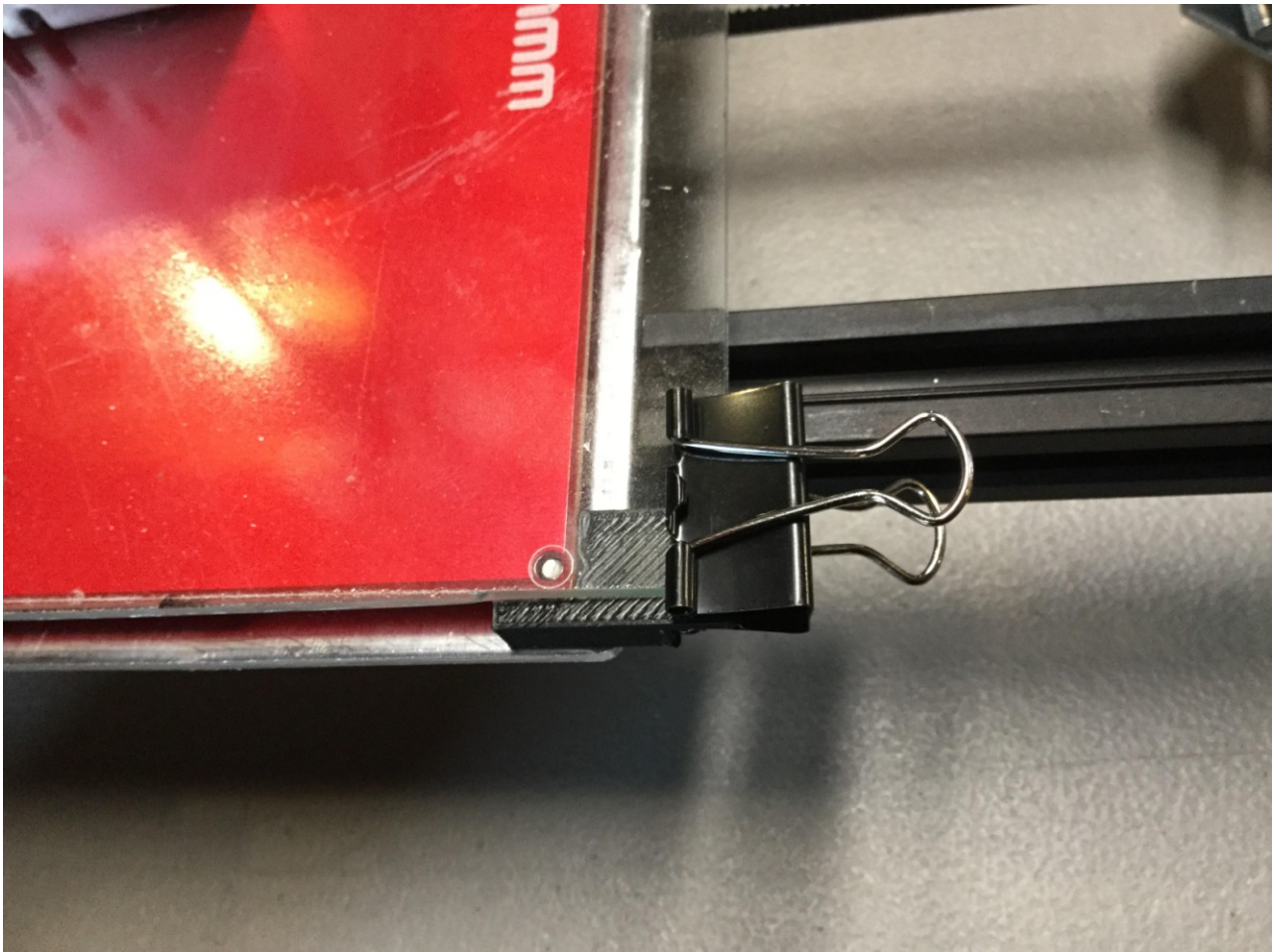
Extended Print Area

The Binder Clips on the Pegasus printer typically reduce the build area by 1/4“, to get the full use of your heat bed.

You will need the following:

1. Printed Corner Supports (Corner10ALUSupport.stl in the “Printed Pegasus Parts/Upgrades” folder)
2. Longer Piece of Glass
 - 8” Pegasus will need a 9 5/8” x 8.5” piece of glass
 - 10” Pegasus will need a 10” x 11.25” piece of glass
 - 4 x M3x10mm Bolts
 - 4 x M3 Nuts

Install the 4 corners on the Aluminum heat bed as shown below, the M3 nut will recess into the printed piece and the heat bed and m3 bolt will be flush with each other, the glass will then go on top and be held in place with the binder clips.



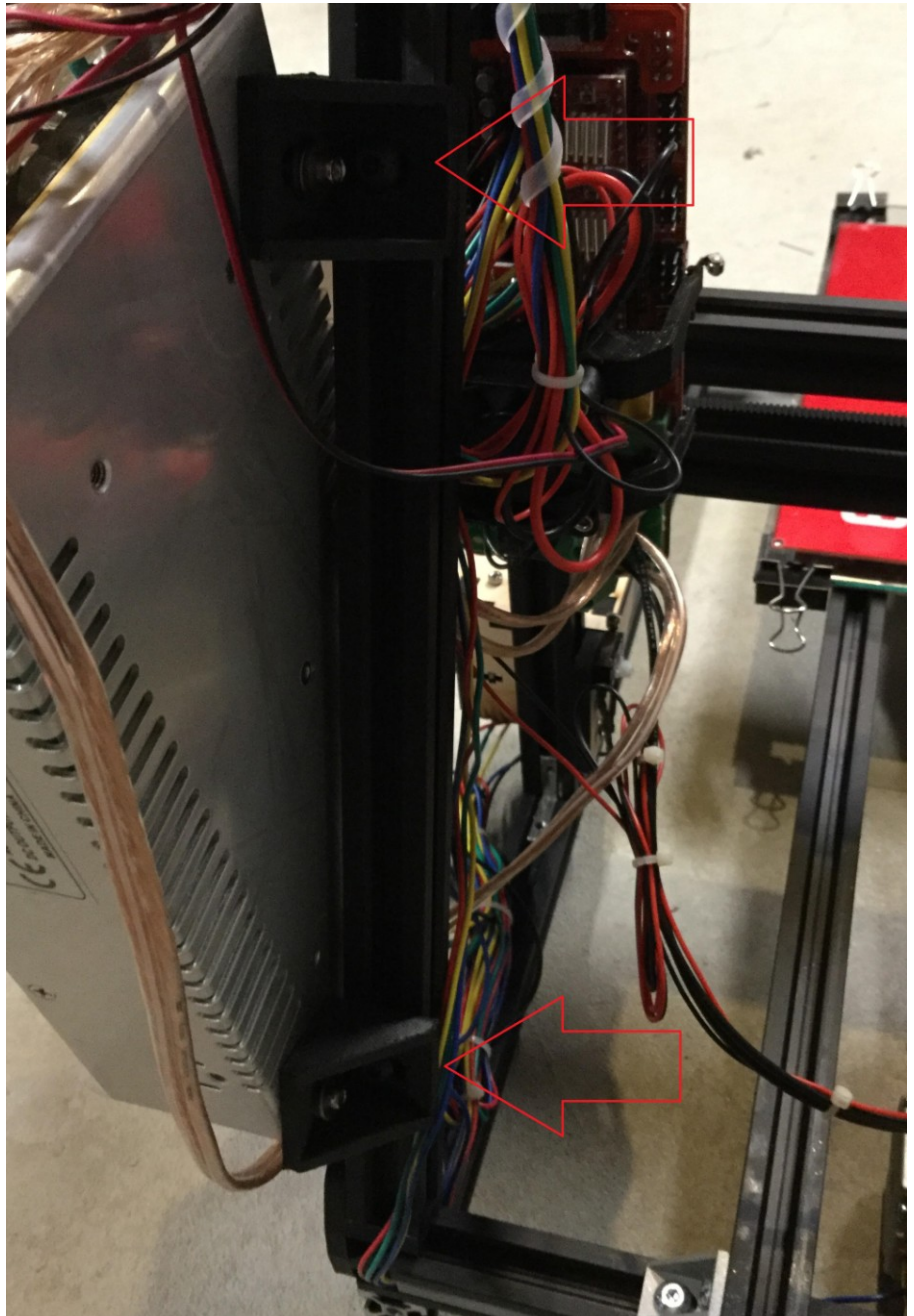
Power Supply Mount

To Mount your Power supply to the Leg Supports you will need to get the following items:

1. 2 x Printed PS Mounts (PSMount.stl in the “Printed Pegasus Parts/Upgrades” folder)
2. 2 x M3x10mm Bolts
3. 2 x M5x 10mm bolts
4. 2 x T-Slot Nuts

Bolt the two Printed Mounts onto the Back Leg Extrusion using the two T-Slot Nuts and two M5x10mm Bolts, align the mounts with the power supply screw the power supply to the printed mounts using the two M3x10mm bolts (not all the holes in the power supply are m3, but you could also use larger bolts in some of the other holes as an alternative)

PS Mounts are shown by the Red Arrows in the picture on the left.

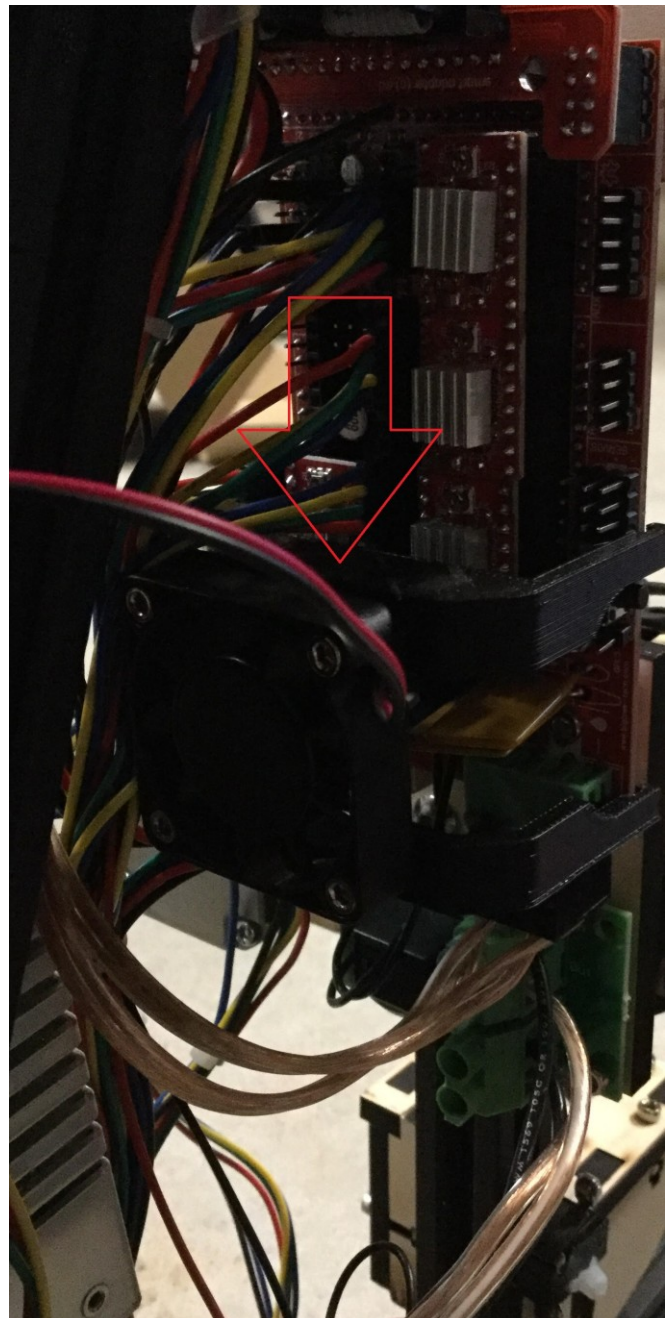


RAMPS Fan

To keep your RAMPS electronics Cool gather the following items:

1. 2 x RAMPS Fan Mount (RAMPS_Fan_Mount.stl in the “Printed Pegasus Parts/Upgrades” folder)
2. 2 x M3x16mm Bolts
3. 2 x M3 Nuts
4. 40mm Fan with 1M long wire: <http://www.makerfarm.com/index.php/misc-electronic-parts/fan.html>

Once you have printed out the two mounts use the M3x16mm Bolts and M3 nuts to bolt the fan to the mounts, then connect the fan to the power supply, connect the red wire to V+ and black wire to V-. The Fan Mount will then Clip onto the RAMPS Board. Make sure the wires are out of the way and Position the fan over the Mosfet/D8/D9/D10 section as shown in the picture on the right.



Wire Management

To Manage your wires you can print some wire covers, these will clip into your V-Slot Extrusion to hide your wires. There are two versions, a 10mm long and a 100mm long version.

Click on the link below, then unzip the file, you can either print the premade gcode or make your own.

[Wirecover.zip](#)

