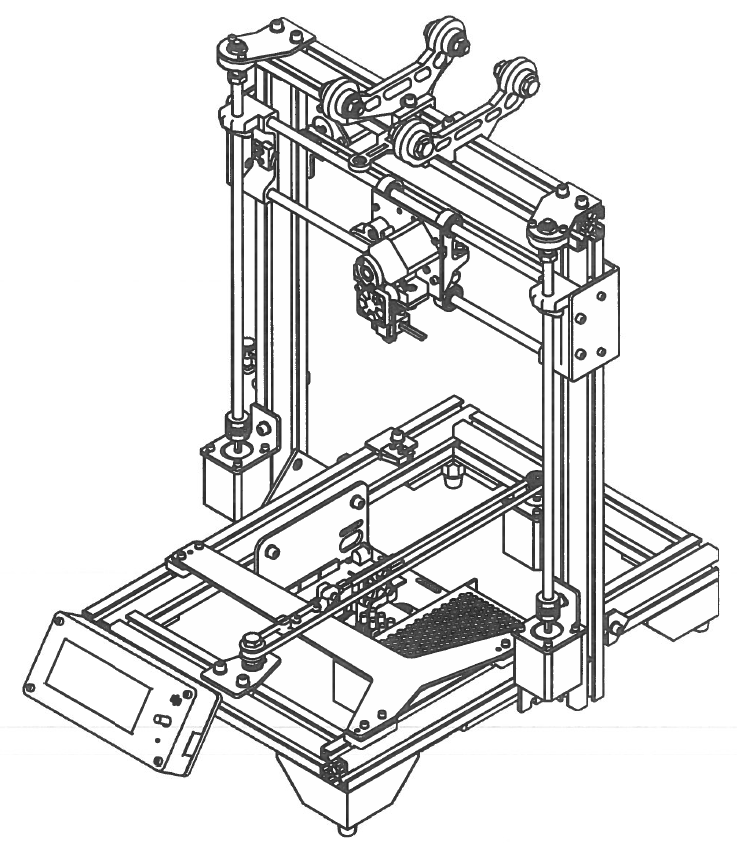
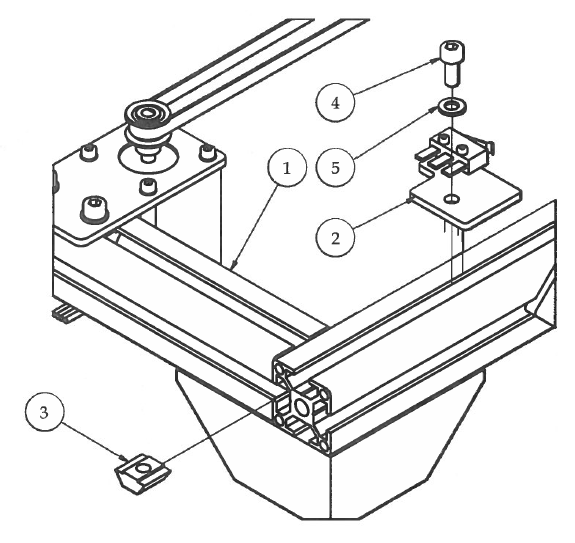
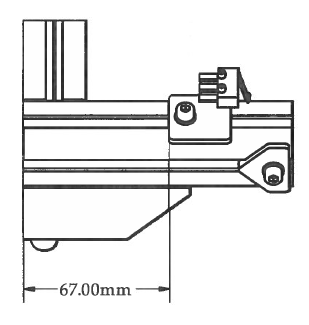
Limit Switches, Electronics Tray, and LCD Screen

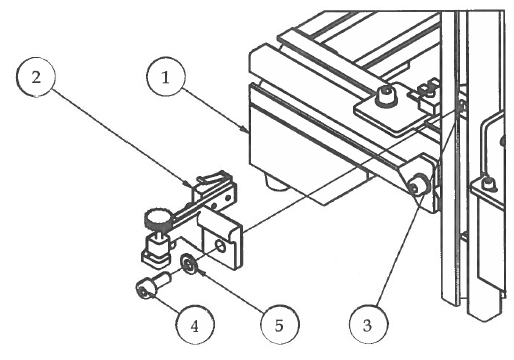


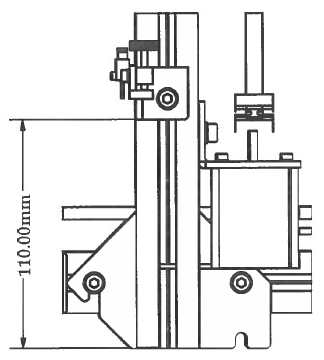
Step 1

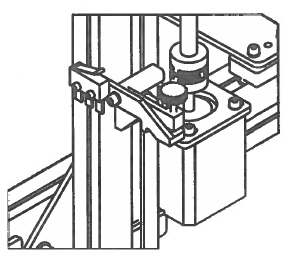


1. Attach the Y Limit Switch sub-assembly using M5 hardware.
2. The Y Limit Switch bracket 67mm from the back of the 3D printer.

|  |  |  |  |
| --- | --- | --- | --- |
| **PARTS LIST** | | | |
| **ITEM** | **QTY** | **PART NUMBER** | **DESCRIPTION** |
| 1 | 1 | X Stage Assembly | Previous sub-assembly |
| 2 | 1 | Y Limit Switch | Previous sub-assembly |
| 3 | 1 | M5 T-Nut | Nuts and bolts |
| 4 | 1 | M5 x 12 | Nuts and bolts |
| 5 | 1 | M5 Washer | Nuts and bolts |
|  |  | M4 Hex Wrench | Tools |

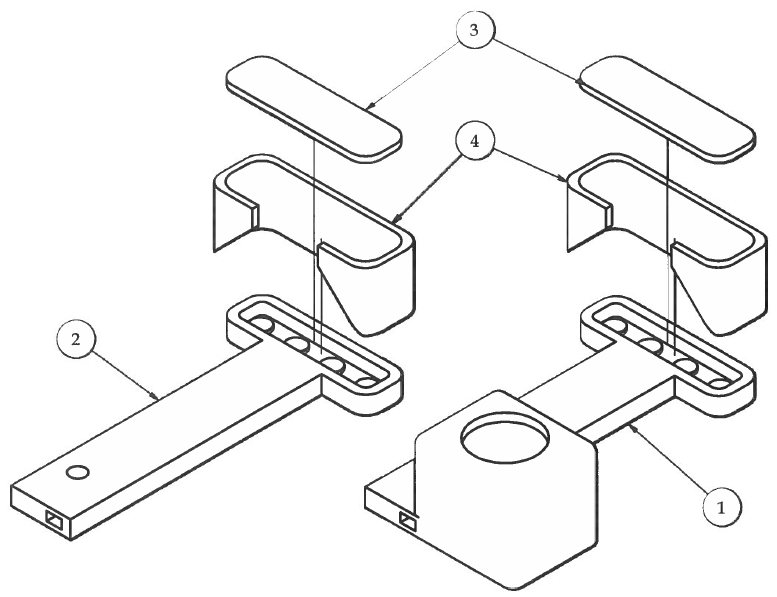
Step 2





1. Slide M5 T-Nut into the outer slot of the left upright frame.
2. Attach Adjustable Z Limit Switch using M5 hardware measuring 110mm from the bottom of the extrusion. We will calibrate the position of this switch during the final calibration stage of assembly.

|  |  |  |  |
| --- | --- | --- | --- |
| **PARTS LIST** | | | |
| **ITEM** | **QTY** | **PART NUMBER** | **DESCRIPTION** |
| 1 | 1 | Step1 | Previous sub-assembly |
| 2 | 1 | Adjustable Z Limit Switch | Nuts and bolts |
| 3 | 1 | M5 T-Nut | Nuts and bolts |
| 4 | 1 | M5 x 12 | Nuts and bolts |
| 5 | 1 | M5 Washer | Nuts and bolts |
|  |  | M4 Hex Wrench | Tools |

Step 3

1. Press fit the LED lights into the LED light fixtures and solder them in a series circuit.
2. Solder wires to the LED light series circuits and run the wires through the small tubes inside the light post. (See "Super Bright 3D Printer Lights" on Thingiverse.com for detailed electrical assembly instructions).
3. Carefully attach the ledShade around the LED lights on each of the ledPost sub-assemblies. Leave about 2mm of the back side of the ledShade sticking out.
4. Snap in the ledCover plate on the back of the ledShade to cover the solder joints from the LED lights.

|  |  |  |  |
| --- | --- | --- | --- |
| **PARTS LIST** | | | |
| **ITEM** | **QTY** | **PART NUMBER** | **DESCRIPTION** |
| 1 | 1 | ledPostSwitch | Previous sub-assembly |
| 2 | 1 | ledPost | Previous sub-assembly |
| 3 | 2 | ledCover | 3D printed parts |
| 4 | 2 | ledShade | 3D printed parts |

Step 4

