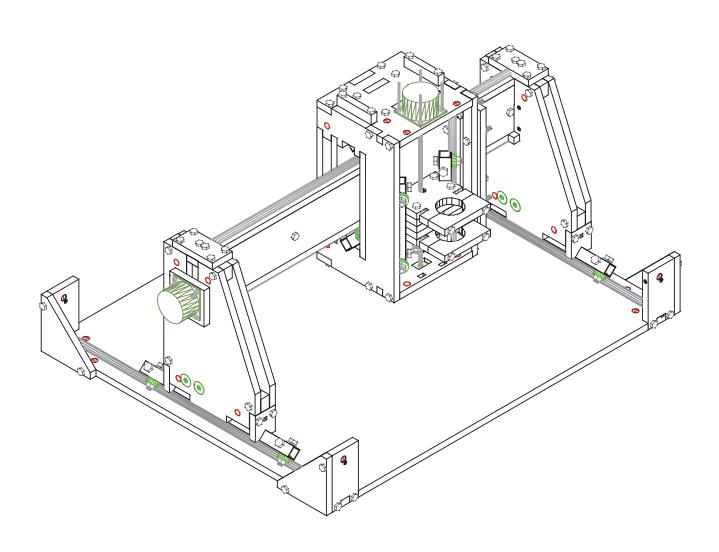
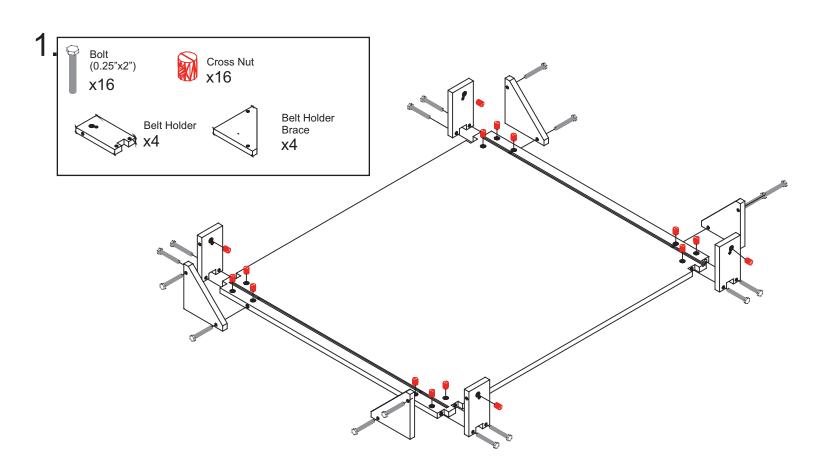
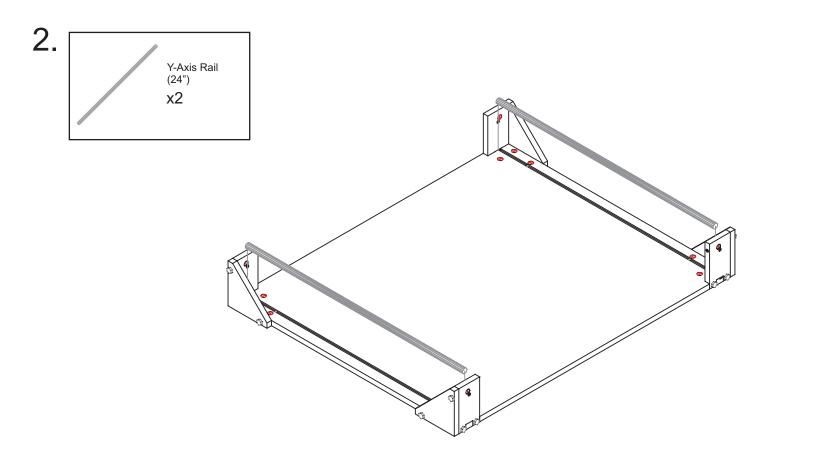
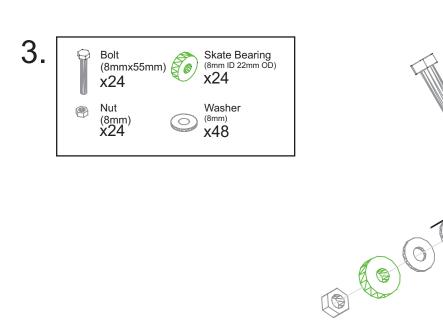
Three Axis CNC Machine Assembly Instructions

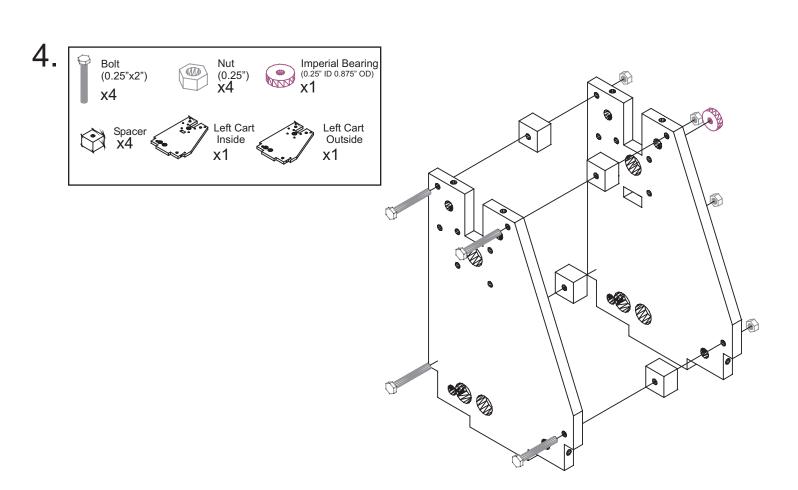


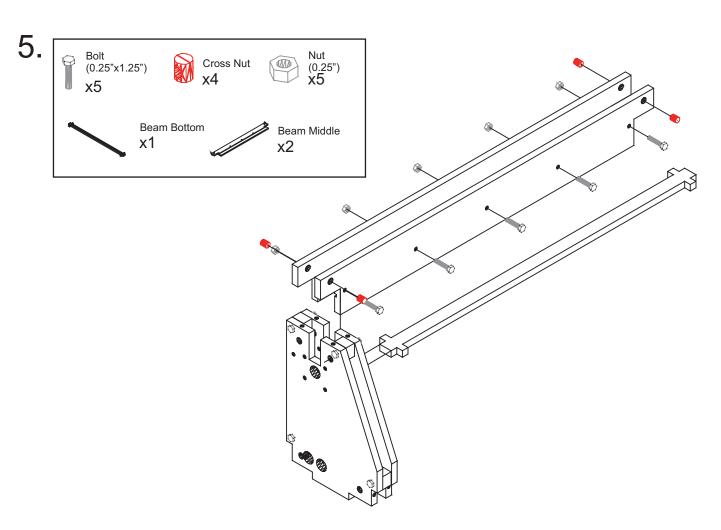


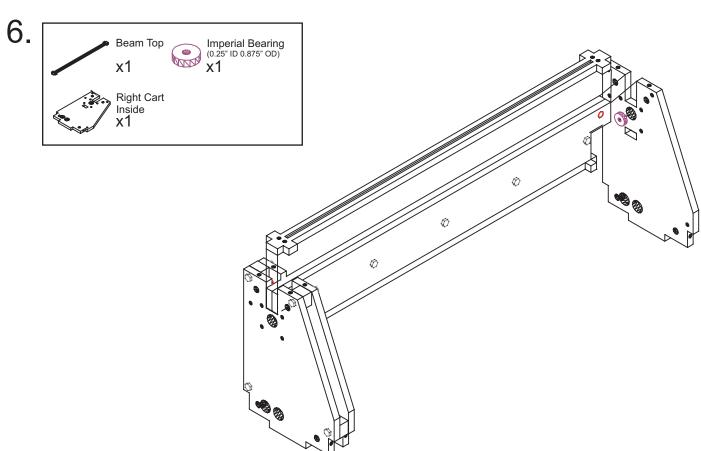


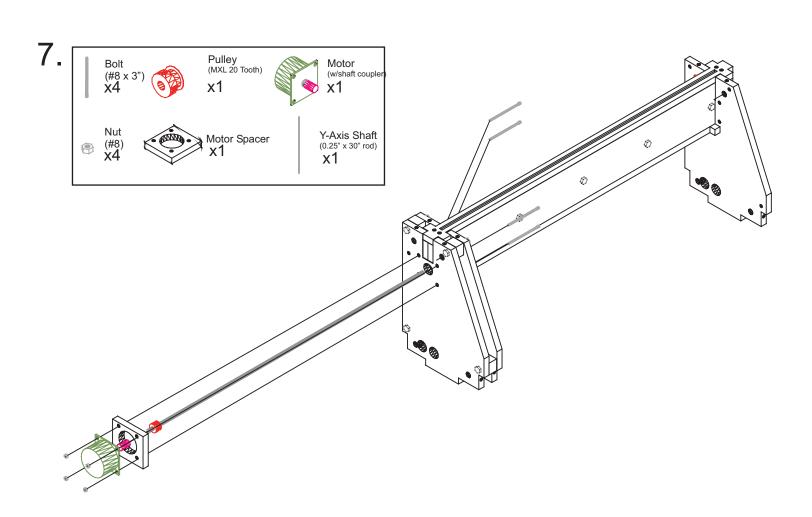


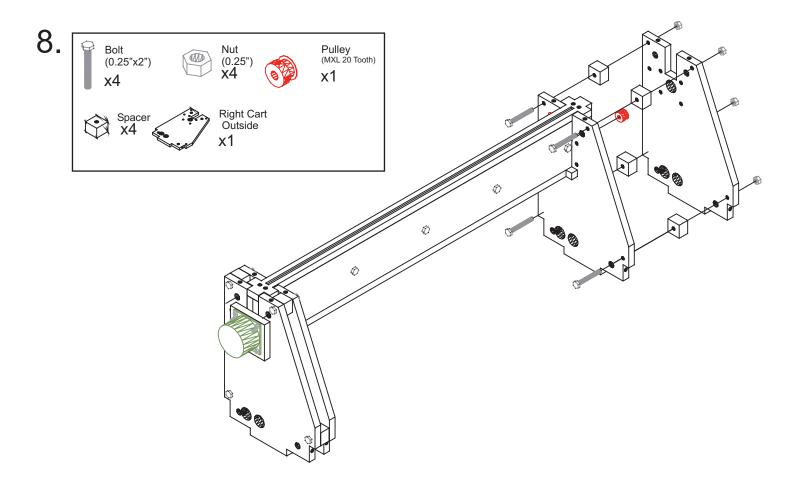
Note: Repeat this step 12 times once for each end of each bearing block

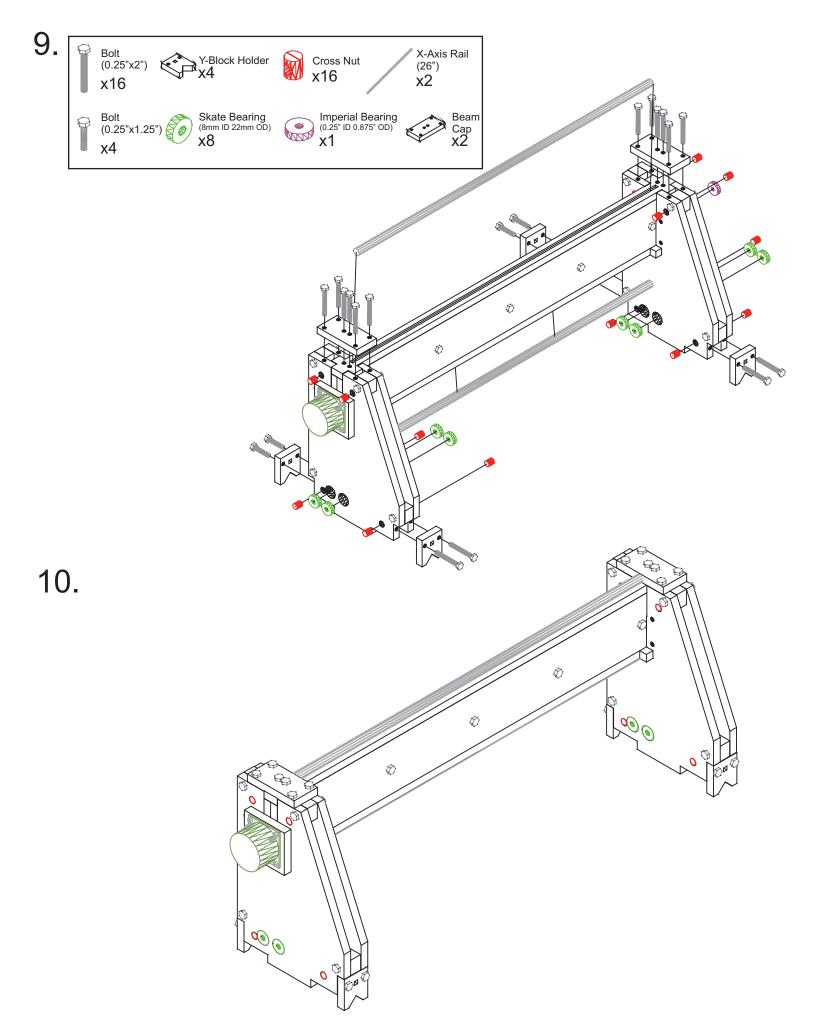


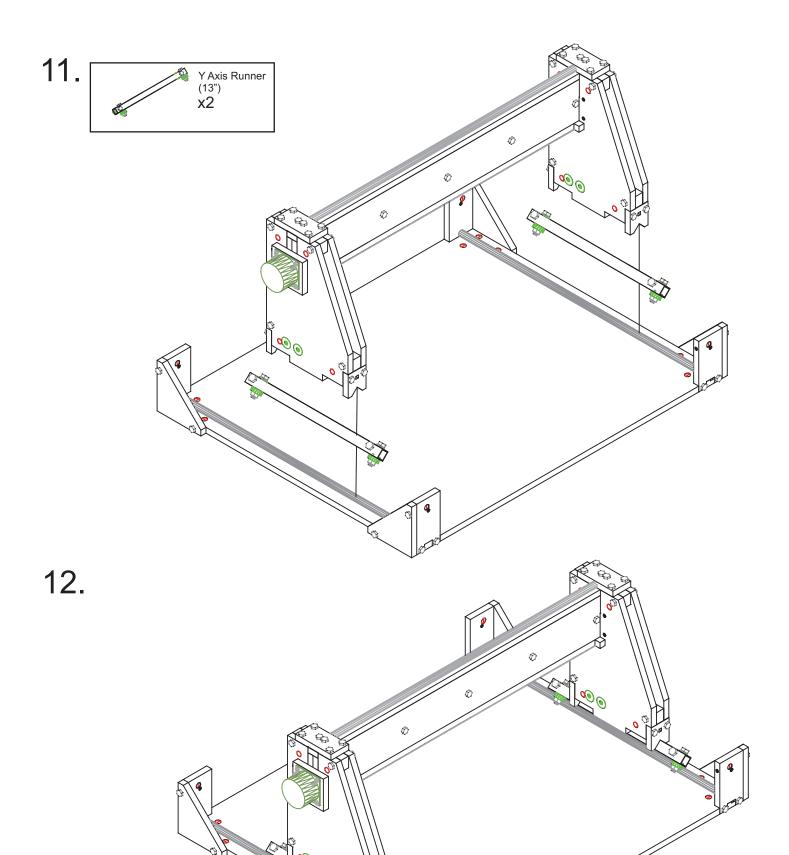


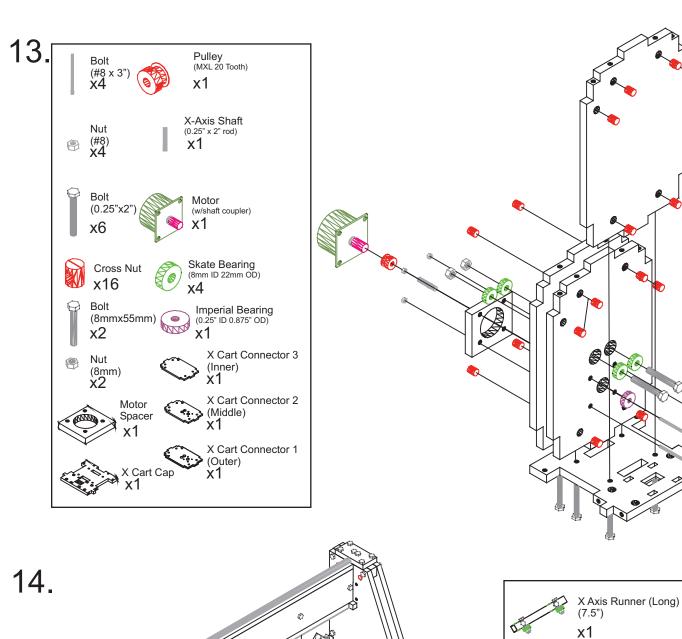


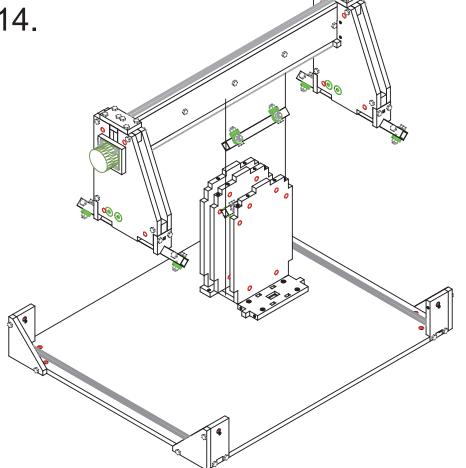




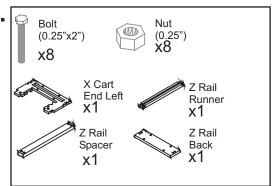


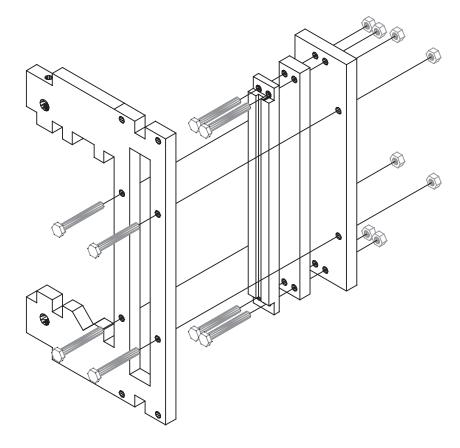


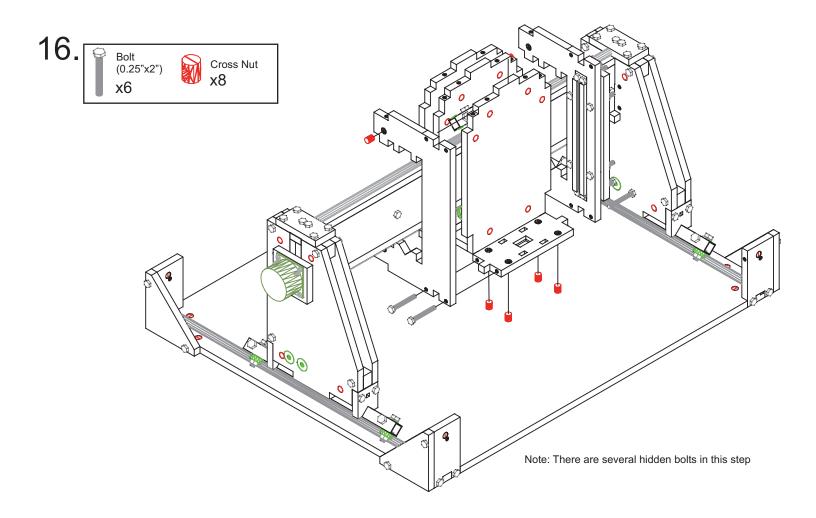


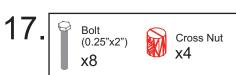


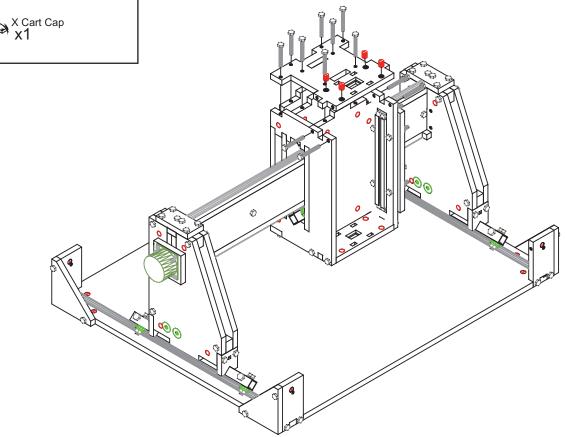
15.

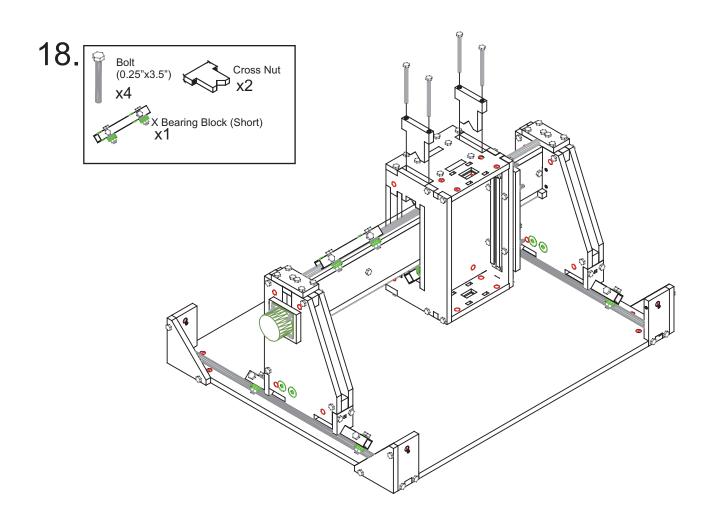














Bolt (0.25"x3.5") x4



Nut (0.25") **x6**



Bolt (0.25"x1.25") x2



Coupling Nut (0.25")

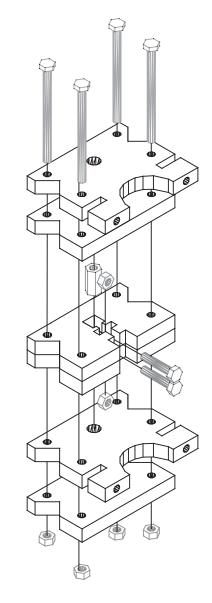


Z Cart End Nut



Z Cart Holder **x2**



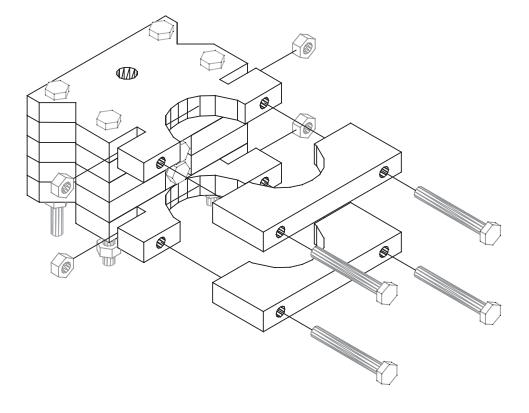


20.

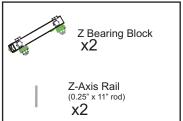


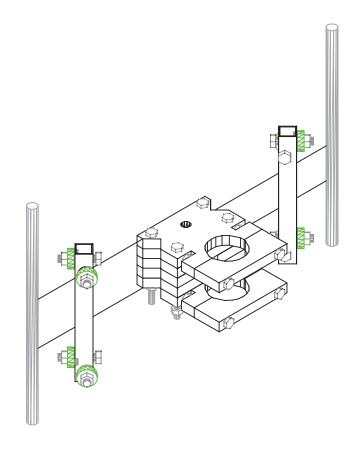


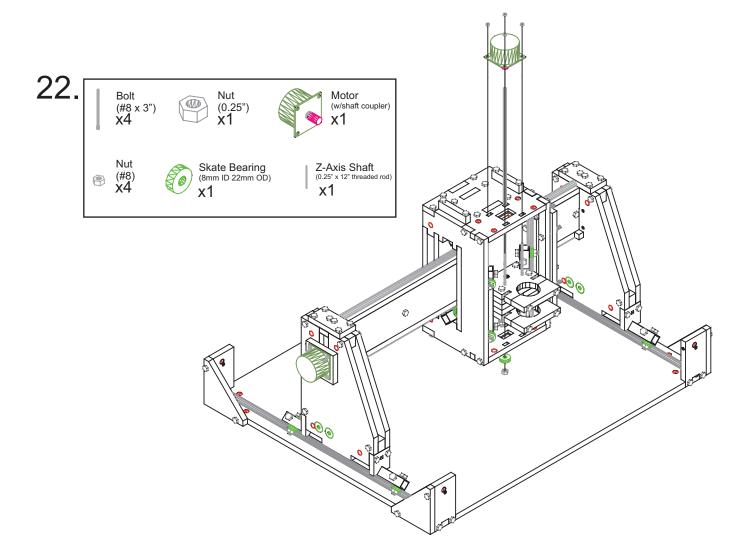
Nut (0.25") **x4**

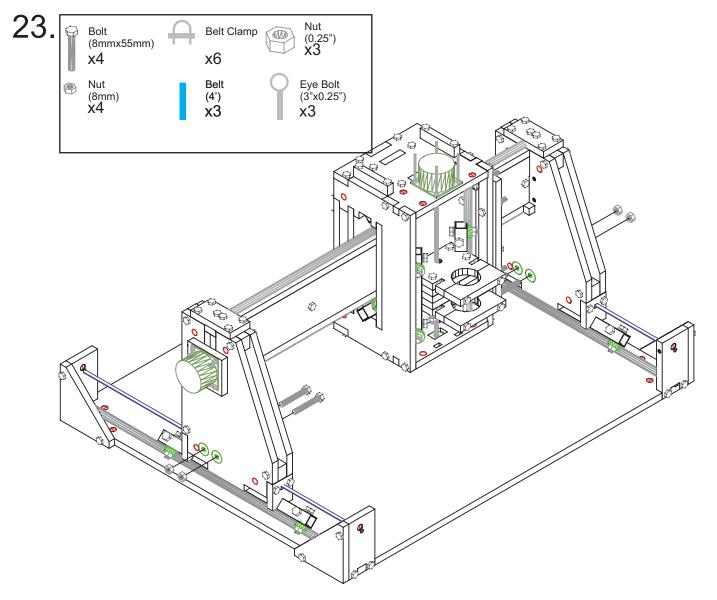












Note: Drawing the belt threading step exceeds my AutoCAD abilities therefore I shall end with a rather wordy explanation

1. Attach belt clamp to the end of each of the three lengths of belt

(For the Y Axis) (x 2)

- 2. thread belt through the hole in the front belt holder
- 3. thread the belt through the gap in the front Y-block holder
- 4. thread the belt under the front shaft of the bearing'd bolt
- 5. run the belt up and over the pulley attached to the Y-axis drive shaft
- 6. run the belt down and around the back bearing'd bolt
- 7. thread the belt through the gap in the back Y-block holder
- 8. Loop the belt through an eye bolt and clamp it with a belt clamp
- 9. put the eye-bolt through the hole in the back belt holder and attach a nut
- 10. Tighten the nut until the belt is taught

(For the X-Axis)

11. Use a similar threading path for the X-axis except start by running the belt through the holes in the cart just behind the Y-axis motor