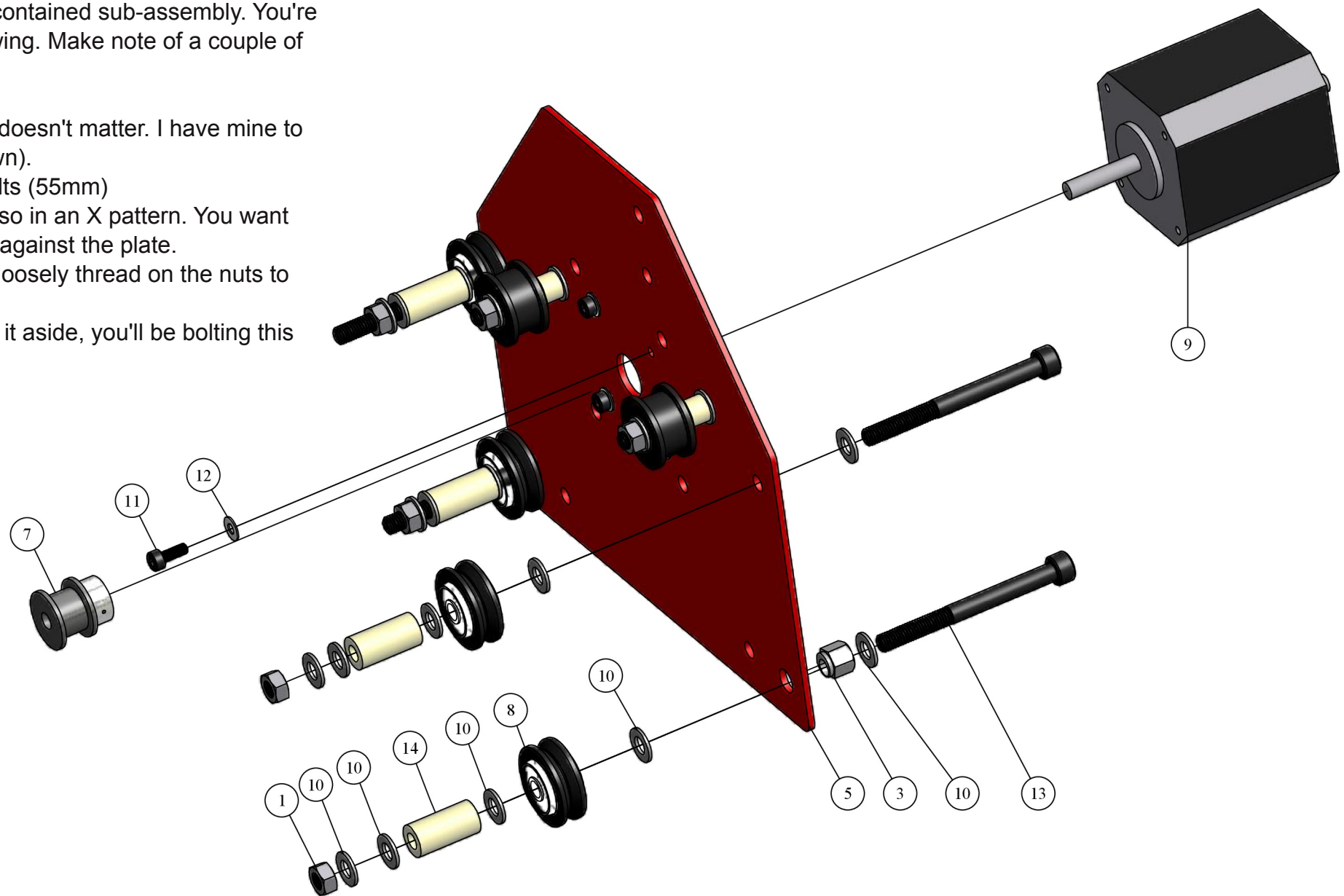


Shapeoko Build Instructions


STEP 5

- The hole orientation at the top of the plate doesn't matter. I have mine to the left, but they can be to the right (as shown).
- The bottom set of bolts are the long M5 bolts (55mm)
- When you tighten the motor into place, do so in an X pattern. You want the face of the motor to be equally pressing against the plate.
- Don't tighten down the v-wheel bolts. Just loosely thread on the nuts to keep everything together.
- When you are done with the assembly, set it aside, you'll be bolting this to the next assembly build.



ITEM	QTY	PART NUMBER	TITLE
1	6	SM-H04	M5 Hex Nut
2	2	SM-H01	1/4" Nylon Spacer
3	2	MSK01-04	Eccentric Nut
4	2	SM-H08	M5 x 30mm SHCS
5	1	SM-S01	Mounting Plate
6	2	MSK01-06A	Smooth Idler Assembly
7	1	MSK01-09	18 Tooth Timing Pulley
8	4	MSK01-05A	V-Wheel Assembly
9	1	SM-E01	Nema 17 Stepper Motor (60oz/in holding torque)
10	28	SM-H03	M5 Flat Washer
11	4	SM-H14	M3 x 8mm SHCS
12	4	SM-H15	M3 Flat Washer
13	4	SM-H09	M5 x 55mm SHCS
14	4	SM-H02	3/4" Nylon Spacer

wiki link: http://www.shapeoko.com/wiki/index.php/Assembly_step_5

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TOLERANCES (EXCEPT AS NOTED) BETWEEN FINISHED SURFACES FRACTIONAL: $\pm 1/64"$ DECIMAL: $\pm .010"$ DETAIL DIMENSIONS: $\pm 1/16"$		DESIGNED BY: ERF	DETAILED BY: ERF
		DATE: 6/5/2012	
		TITLE X Axis Motor Mount Plate Assembly	
		SIZE B	DRAWING NUMBER SM_XA01
		SCALE	SHEET 1 OF 1