

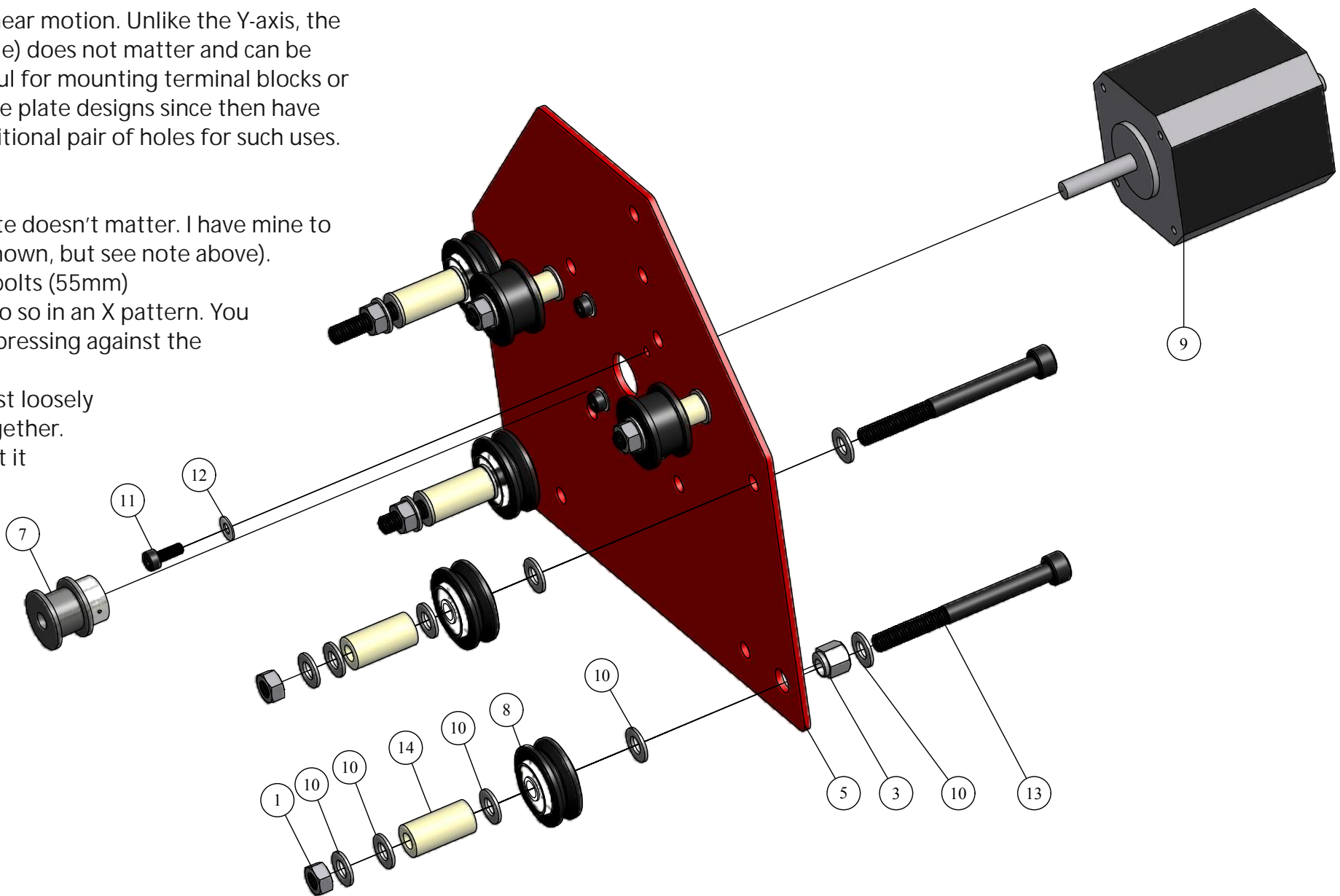
Shapeoko Build Instructions

STEP 5

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

X-Axis Motor Mount Plate:
Similar to the previous two sub-assemblies, the X-Axis Motor Mount Plate works with other components to enable linear motion. Unlike the Y-axis, the placement of the holes (used for MakerSlide) does not matter and can be reversed to suit one's needs. They are useful for mounting terminal blocks or other small components to. Revisions to the plate designs since then have made them symmetrical and added an additional pair of holes for such uses.

- Instructions:
- 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, but see note above).
 - 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



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TOLERANCES
(EXCEPT AS NOTED)
BETWEEN
FINISHED SURFACES

FRACTIONAL: ± 1/64"
DECIMAL: ± .010"

DETAIL DIMENSIONS: ± 1/16"

shapeoko

DESIGNED BY: ERF
DATE: 6/5/2012

TITLE
X Axis Motor Mount Plate Assembly

SIZE B
DRAWING NUMBER
SM_XA01

SCALE
SHEET 1 OF 1