

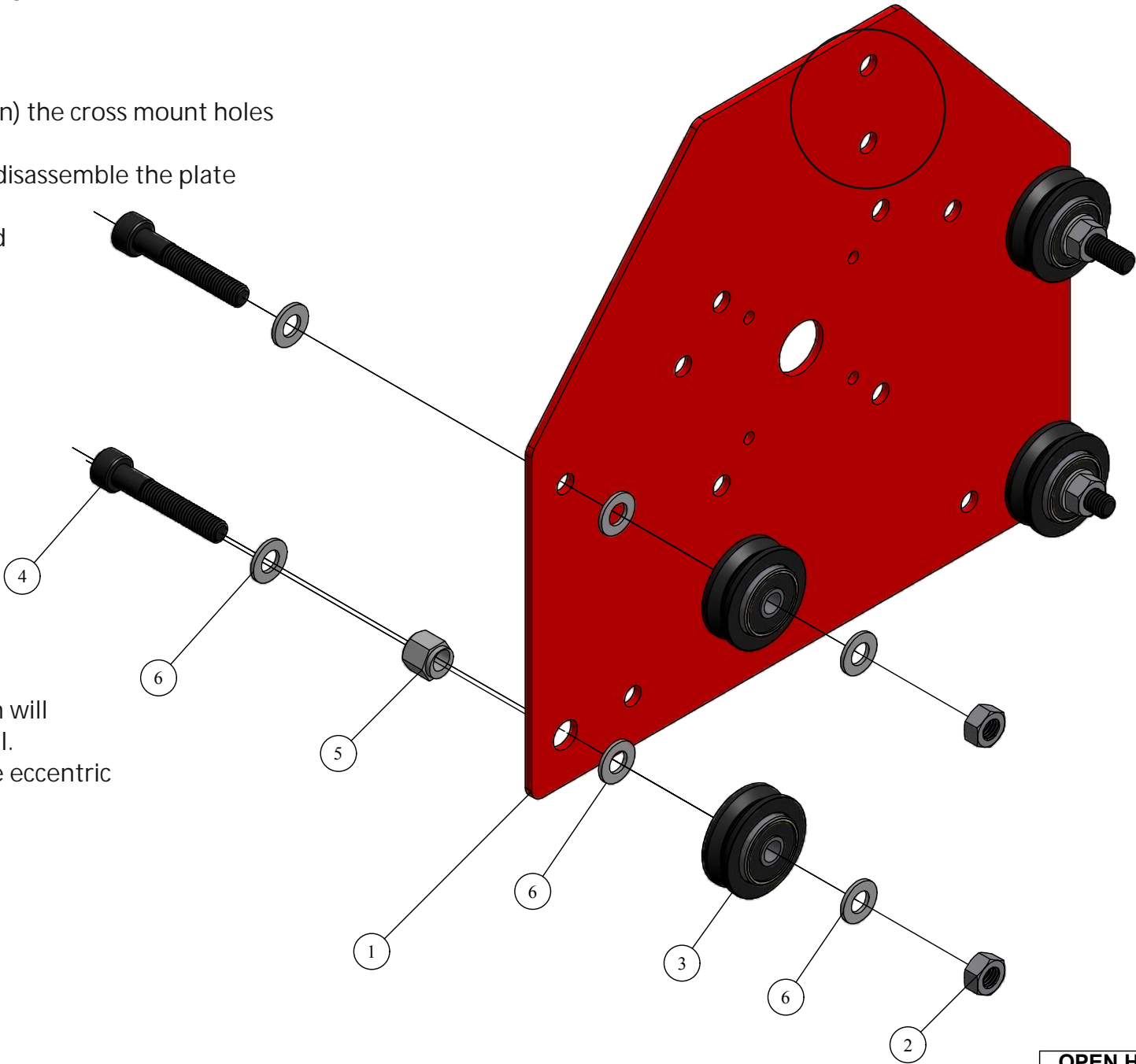
Shapeoko Build Instructions

STEP 3

http://www.shapeoko.com/wiki/index.php/Assembly_step_3

Y-Axis Idle (left carriage) Mount Plate Assembly:
A pair of assemblies make up the left and right ends of the gantry (see Assembly step 8). These are (of course) mirror images of each other.

- Instructions:
- Take note of the top hole orientation.
 - Looking from the inside of the plate (view shown) the cross mount holes (circled) need to be in the top right of the plate.
 - If you assemble these backwards you'll have to disassemble the plate and flip the wheels around.
 - It's not the end of the world, but it's tedious and frustrating if you make that mistake.
 - Make sure the smaller end of the eccentric spacer (the tapered end) goes into the hole in the plate. If you install the spacer backwards you won't be able to adjust the spacing of the V-Wheels.
 - If the steel plate has been painted, the tapered end of the eccentric spacer may be very difficult to fit into the hole. Remove the paint from the inside of the hole with an appropriate tool (a drill bit, or the threads of a screw will work)
 - The thick sidewall of the eccentric spacer should face the other V-wheel, in this way the distance between both wheels is largest, which will help the later assembly onto the Makerslide rail.
 - To avoid later confusion, the thicker side of the eccentric spacer should be marked, e.g. with a pen.



ITEM	QTY	PART NUMBER	TITLE
1	1	SM-S01	Mounting Plate
2	4	SM-H04	M5 Hex Nut
3	4	MSK01-05A	V-Wheel Assembly
4	4	SM-H08	M5 x 30mm SHCS
5	2	MSK01-04	Eccentric Nut
6	12	SM-H03	M5 Flat Washer



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TOLERANCES
(EXCEPT AS NOTED)
BETWEEN
FINISHED SURFACES

FRACTIONAL: $\pm 1/64"$
DECIMAL: $\pm .010"$

DETAIL DIMENSIONS: $\pm 1/16"$

shapeoko

DESIGNED BY: ERF
DETAILED BY: ERF
DATE: 6/5/2012

TITLE
Y Axis Idle Mount Assembly

SIZE B
DRAWING NUMBER
SM_YA02

SCALE
SHEET 1 OF 1