

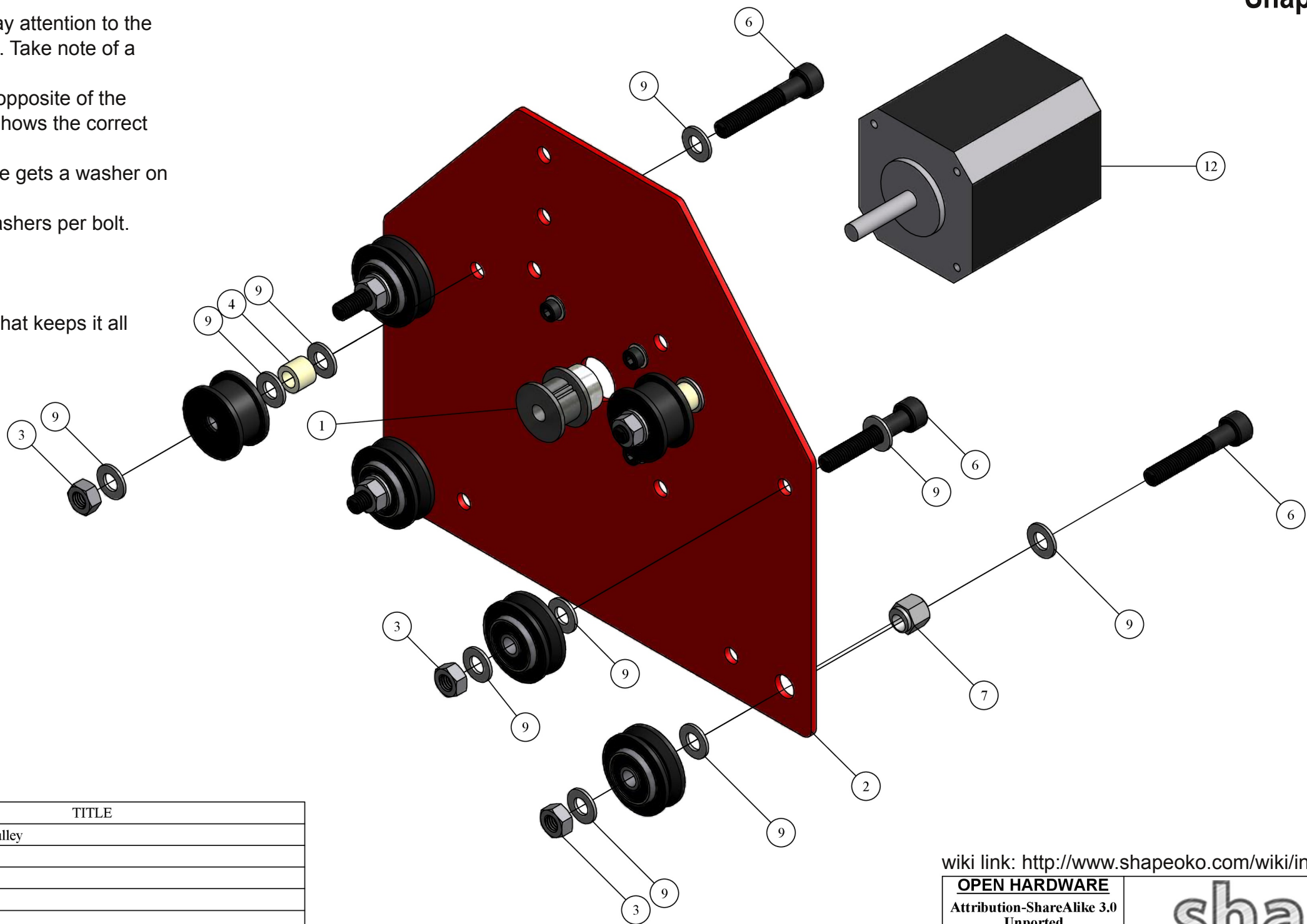
Shapeoko Build Instructions

STEP 4

Y-Axis Motor Mount Plate

This is the other side of the gantry. Pay attention to the hole orientation at the top of the plate. Take note of a couple of things:

- These holes need to be on the left (opposite of the previous sub-assembly). The image shows the correct orientation.
- Each Bolt that goes through the plate gets a washer on BOTH sides.
- The smooth idlers get a total of 4 washers per bolt.
- One on the backside of the plate
- One on the front side of the plate
- One on the end of the 1/4" spacer
- One between the idler and the nut that keeps it all together.



| ITEM | QTY | PART NUMBER | TITLE |
|------|-----|-------------|--|
| 1 | 1 | MSK01-09 | 18 Tooth Timing Pulley |
| 2 | 1 | SM-S01 | Mounting Plate |
| 3 | 6 | SM-H04 | M5 Hex Nut |
| 4 | 2 | SM-H01 | 1/4" Nylon Spacer |
| 6 | 6 | SM-H08 | M5 x 30mm SHCS |
| 7 | 2 | MSK01-04 | Eccentric Nut |
| 9 | 20 | SM-H03 | M5 Flat Washer |
| 10 | 4 | SM-H14 | M3 x 8mm SHCS |
| 11 | 4 | SM-H15 | M3 Flat Washer |
| 12 | 1 | SM-E01 | Nema 17 Stepper Motor (60oz/in holding torque) |
| 13 | 4 | MSK01-05 | V Wheel |
| 14 | 12 | MSK01-07 | 5mm x 16mm x 5mm bearing |
| 15 | 6 | MSK01-08 | Precision Washer (1mm thick) |
| 16 | 2 | MSK01-06 | Smooth Idler Drum |

wiki link: http://www.shapeoko.com/wiki/index.php/Assembly_step_4

OPEN HARDWARE

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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
Y Axis Motor Mount Assembly

SIZE
B

DRAWING NUMBER
SM_YA01

SCALE

SHEET 1 OF 1