

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

- Instructions:
- Looking from the inside of the plate (view shown) the cross mount holes (circled) need to be in the top right of the plate (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

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TOLERANCES
(EXCEPT AS NOTED)
BETWEEN
FINISHED SURFACES

FRACTIONAL: ± 1/64"
DECIMAL: ± .010"

DETAIL DIMENSIONS: ± 1/16"



DESIGNED BY: ERF	DETAILED BY: ERF	DATE: 6/5/2012
TITLE Y Axis Motor Mount Assembly		
SIZE B	DRAWING NUMBER SM_YA01	
SCALE		SHEET 1 OF 1