

Marchined Meter Motor Assambly sherring ins

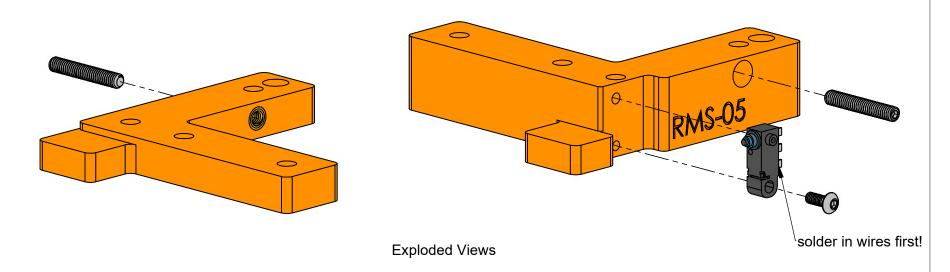


Creptetions last edited: Joshua Vasquez

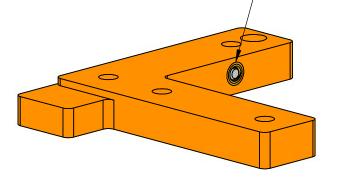
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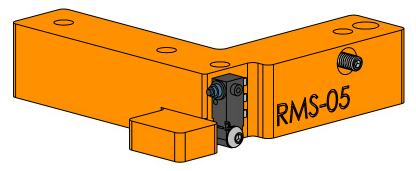
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SHEET 1 OF 11



On each set screw, just install the screw until it is flush with the inside surface. If there is residual 3D printed gunk from the heat-set installation process, you can clear it by installing the screw backwards first.



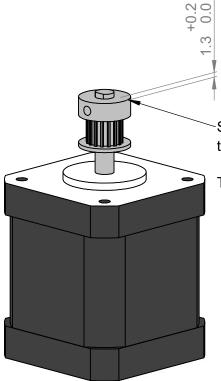


Assembled Views

ITEM NO.	ITEM NO. DESCRIPTION	
1	Short Motor Spacer with Insert	1
2	Tall Motor Spacer with Insert	1
3	Y Axis Limit Switch with Harness	1
4	M4 Set Screw, 25mm long	2
5	M3 Buttonhead Screw, 8mm long	1

Spacer Assembly			
<u></u>	(i) BY	Created by: Joshua Vasquez	last edited: 3/15/2021
		SCALE: 1:1	SHEET 2 OF 11

Make two identical assemblies.

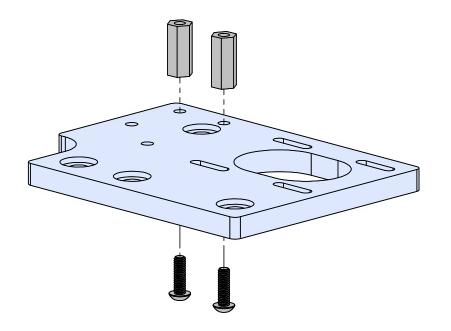


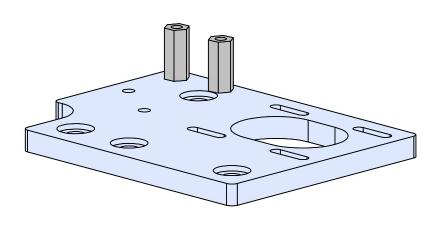
Secure both included set screws onto the shaft, ensuring that one set screw engages the flat part of the shaft.

The vertical pulley spacing can be dialed in exactly later.

ITEM NO.	DESCRIPTION	QTY.
1	16-T 2GT Drive Pulley for 6mm belt	1
2	Nema17 XY Stepper: LDO-42STH60-2004MAC or 17HM19-2004S	1

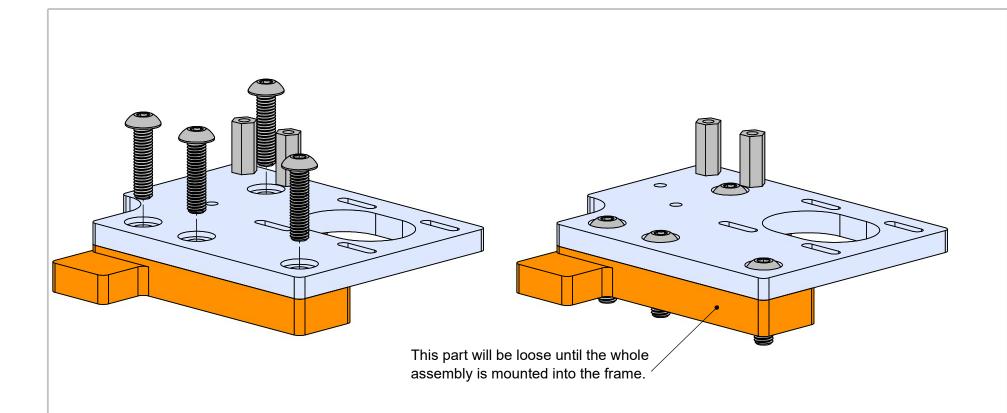
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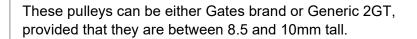
ITEM NO.	DESCRIPTION	
1	M3 Standoff, 14mm long, 6mm wide	2
2	M3 Buttonhead Screw, 10mm long	2
3	Machined Left Motor Corner Bracket	1

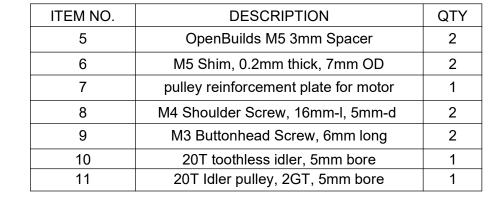
Left Motor Plate Assembly 1/4			
(0)	(i)	Created by:	last edited:
	BY	Joshua Vasquez	3/15/2021
		SCALE: 1:1	SHEET 4 OF 11

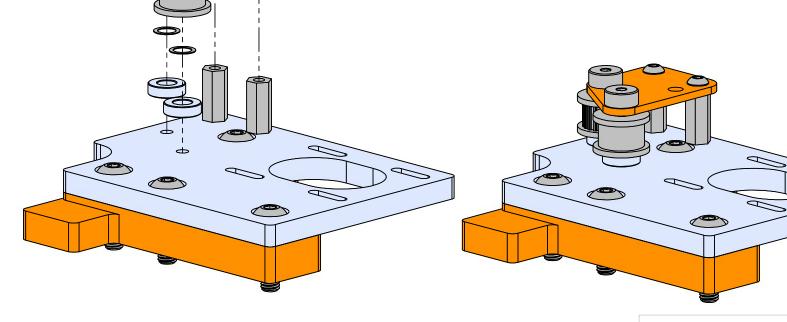


ITEM NO.	DESCRIPTION	
4	M5 Buttonhead Screw, 20mm long	4
5	Left Motor Spacer	1

Left Motor Plate Assembly 2/4			
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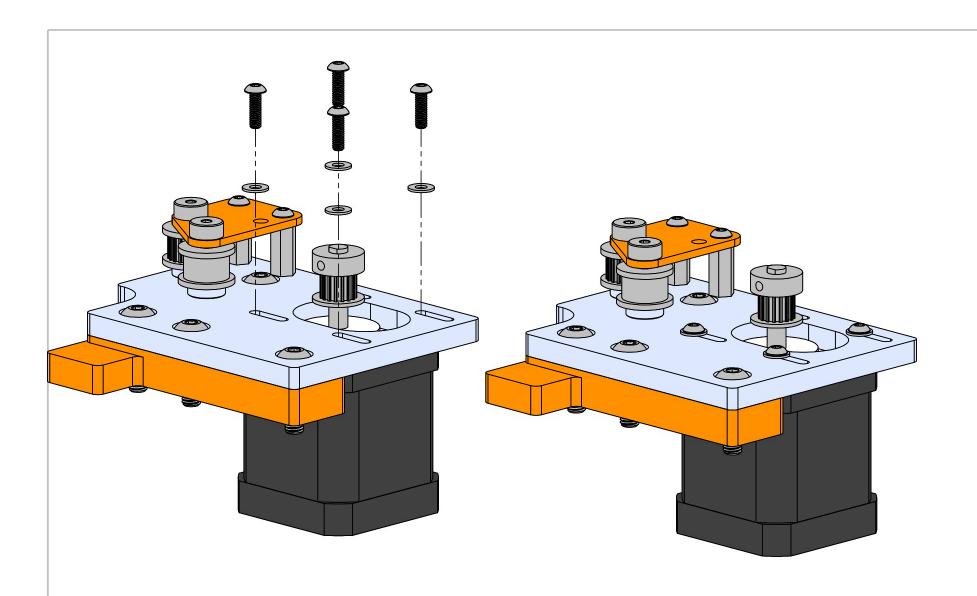






Left Motor Plate Assembly 3/4

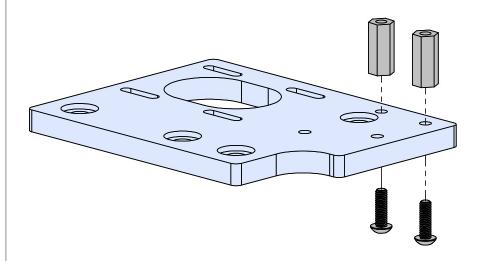
<u></u>	BY	Created by: Joshua Vasquez	last edited: 3/15/2021
		SCALE: 1:1	SHEET 6 OF 11

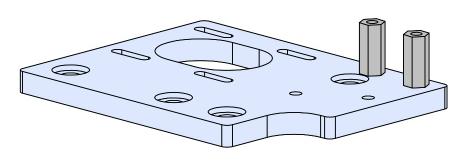


ITEM NO.	DESCRIPTION	
2	M3 Buttonhead Screw, 10mm long	4
10	M3 Washer	4
11	Stepper Motor with Drive Pulley	1

Left Motor Plate Assembly 4/4

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			SCALE: 1:1	SHEET 7 OF 11





ITEM NO.	DESCRIPTION	
1	Machined Right Motor Corner Bracket	1
2	M3 Standoff, 14mm long, 6mm wide	2
3	M3 Buttonhead Screw, 10mm long	2

	Right Motor Plate Assembly 1/4		
<u>@</u>	(i) BY	Created by: Joshua Vasquez	last edited: 3/15/2021
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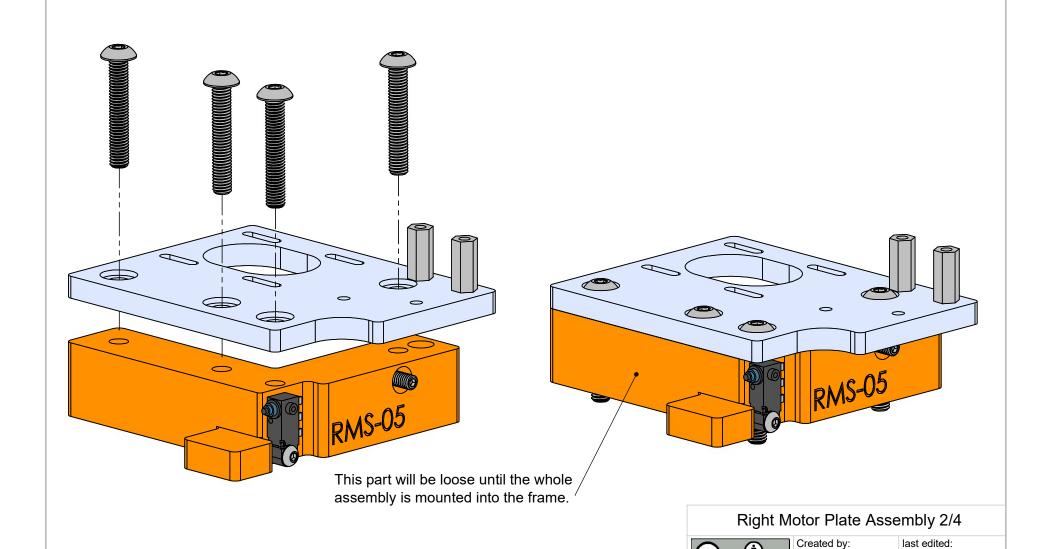
ITEM NO.	DESCRIPTION	
3	Tall Motor Corner Plate Spacer Assembly	1
4	M5 Buttonhead Screw, 30mm long	4

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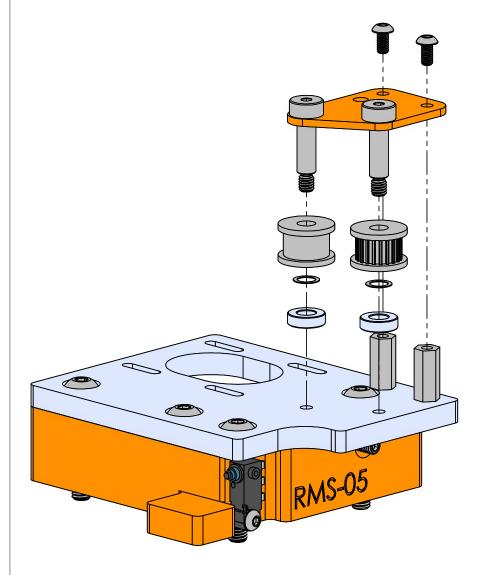
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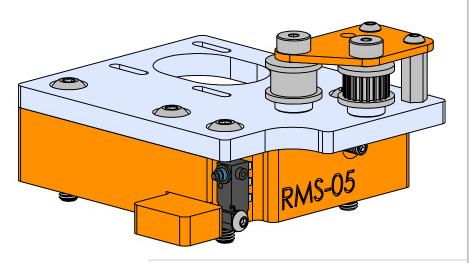
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These pulleys can be either Gates brand or Generic 2GT, provided that they are between 8.5 and 10mm tall.

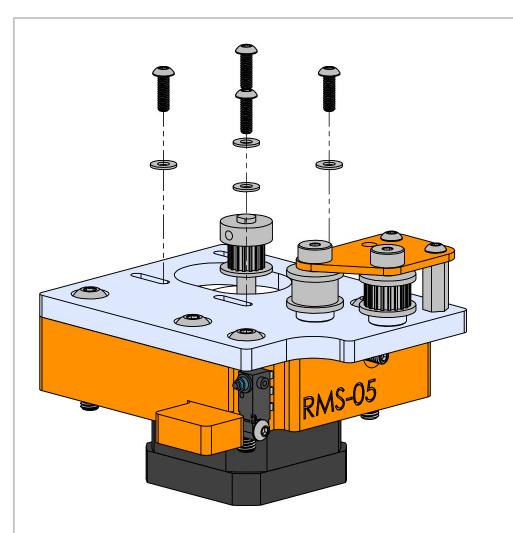


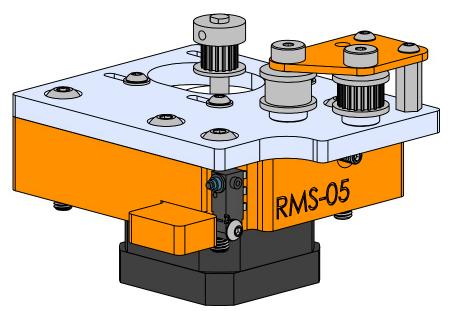
DESCRIPTION	
20T Idler pulley, 2GT, 5mm bore	1
20T toothless idler, 5mm bore	1
pulley reinforcement plate for motor	1
M3 Buttonhead Screw, 6mm long	2
M4 Shoulder Screw, 16mm-l, 5mm-d	2
M5 Shim, 0.2mm thick, 7mm OD	2
OpenBuilds M5 3mm Spacer	2
	20T Idler pulley, 2GT, 5mm bore 20T toothless idler, 5mm bore pulley reinforcement plate for motor M3 Buttonhead Screw, 6mm long M4 Shoulder Screw, 16mm-I, 5mm-d M5 Shim, 0.2mm thick, 7mm OD



Right Motor Plate Assembly 3/4

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ITEM NO.	DESCRIPTION	QTY
10	M3 Buttonhead Screw, 10mm long	4
11	Stepper Motor with Drive Pulley	1
12	M3 Washer	4

	Right Motor Plate Assembly 4/4		
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		Joshua Vasquez	3/15/2021
		SCALE: 1:1	SHEET 11 OF 11