

041 Aluminum Crossbar Assembly



Created by:
Joshua Vasquez

last edited:
4/28/2020

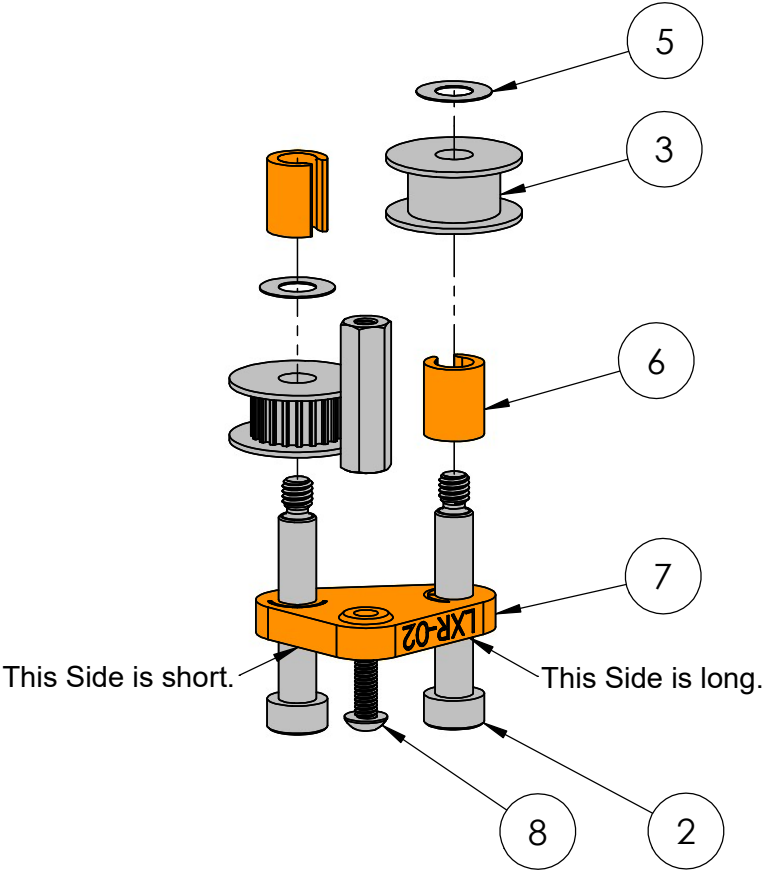
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SHEET 1 OF 8

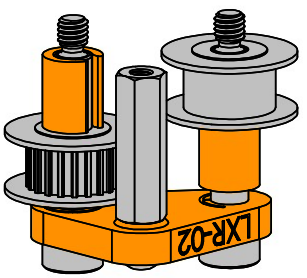
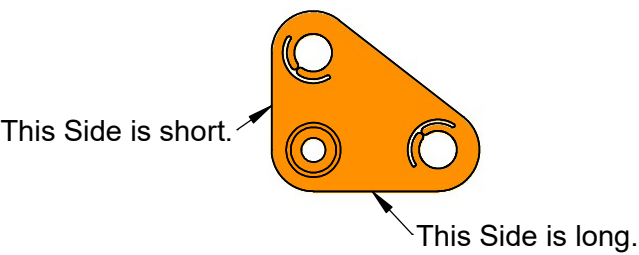
B

A

Note: This assembly step is for the **generic** brand pulleys only. If you are using genuine **Gates** brand pulleys, skip this page and see the next page.



Note the orientation of the Reinforcement Plate



ITEM NO.	DESCRIPTION	
1	M3 20mm standoff, 6mm wide	1
2	M4 Shoulder Screw, 25mm long	2
3	20T toothless idler, 5mm bore	1
4	20T Idler pulley, 2GT, 5mm bore	1
5	M5 Shim, 0.2mm thick	2
6	Printed Pulley Spacer	2
7	Left Crossbar Pulley Reinforcement Plate	1
8	M3 Buttonhead Screw, 8mm long	1

Left Crossbar Generic Pulley Assembly

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SCALE: 1:1

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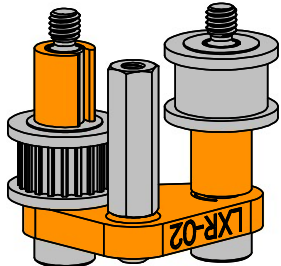
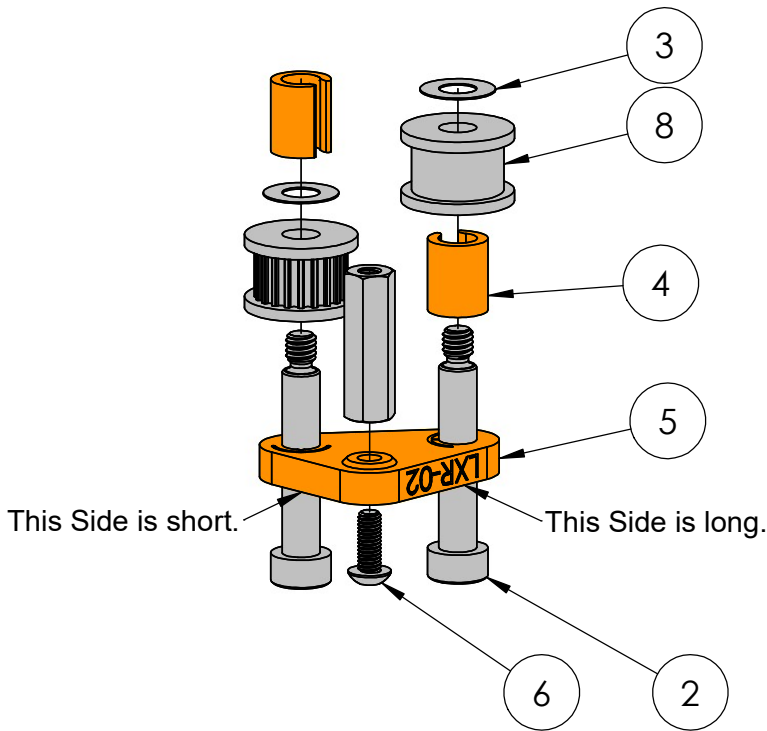
B

A

Note: This assembly step is for the genuine **Gates** brand pulleys only. If you are using **generic** brand pulleys, skip this page.

B

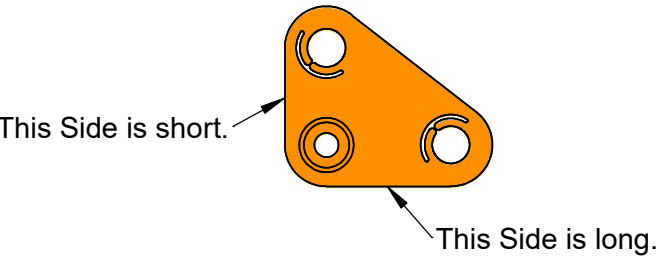
B



A

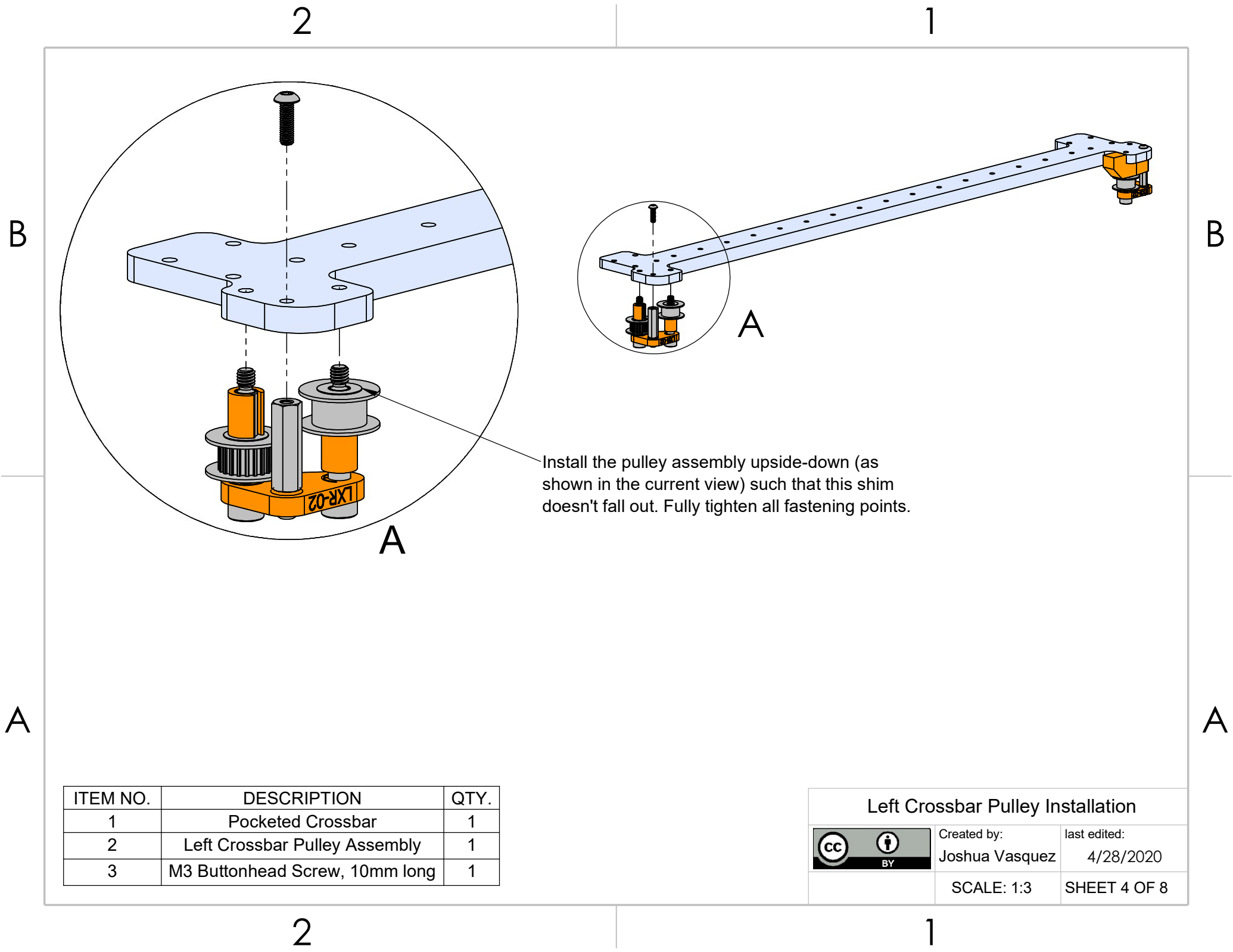
A

Note the orientation of the Reinforcement Plate




ITEM NO.	DESCRIPTION	
1	M3 20mm standoff, 6mm wide	1
2	M4 Shoulder Screw, 25mm long	2
3	20T toothless idler, 5mm bore	1
4	20T Idler pulley, 2GT, 5mm bore	1
5	M5 Shim, 0.2mm thick	2
6	Printed Pulley Spacer	2
7	Left Crossbar Pulley Reinforcement Plate	1
8	M3 Buttonhead Screw, 8mm long	1

Left Crossbar Gates Pulley Assembly		
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	SCALE: 1:1	SHEET 3 OF 8



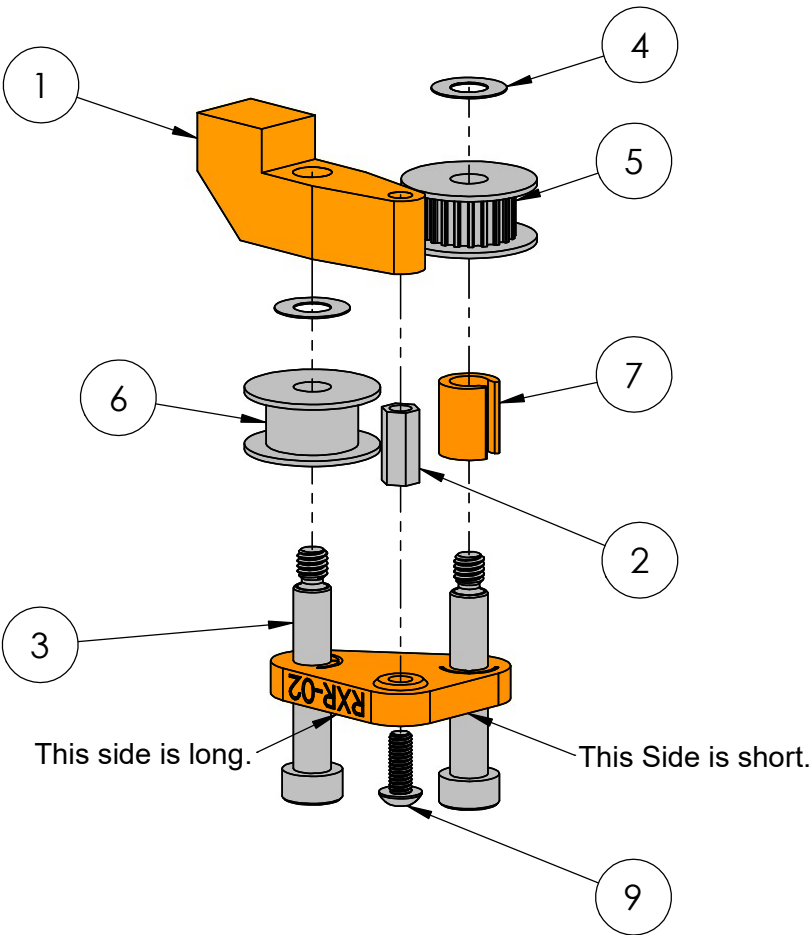
ITEM NO.	DESCRIPTION	QTY.
1	Pocketed Crossbar	1
2	Left Crossbar Pulley Assembly	1
3	M3 Buttonhead Screw, 10mm long	1

Left Crossbar Pulley Installation		
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	Joshua Vasquez	4/28/2020
	SCALE: 1:3	SHEET 4 OF 8

Note: This assembly step is for the **generic** brand pulleys only. If you are using genuine **Gates** brand pulleys, skip this page and see the next page.

B

B



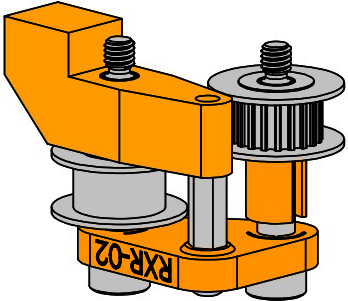
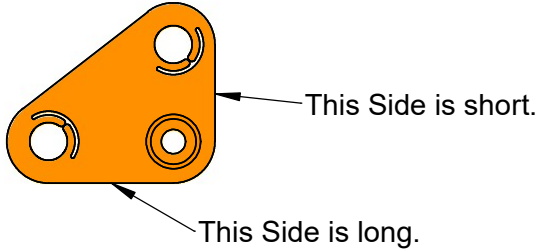
This side is long.

This side is short.

Note the orientation of the Reinforcement Plate

A

A



ITEM NO.	DESCRIPTION	
1	Crossbar X Limit Trigger	1
2	M3 10mm standoff, 4.5mm wide	1
3	M4 Shoulder Screw, 25mm long	2
4	M5 Shim, 0.2mm thick	2
5	20T Idler pulley, 2GT, 5mm bore	1
6	20T toothless idler, 5mm bore	1
7	Printed Pulley Spacer	1
8	Right Crossbar Pulley Reinforcement Plate	1
9	M3 Buttonhead Screw, 8mm long	1

Right Crossbar Generic Pulley Assembly



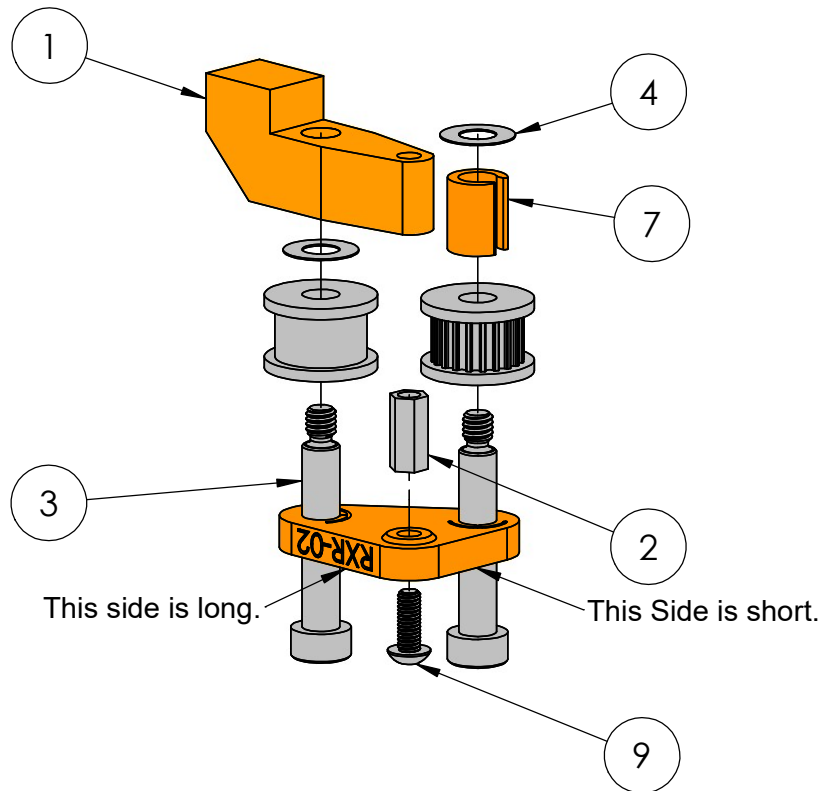
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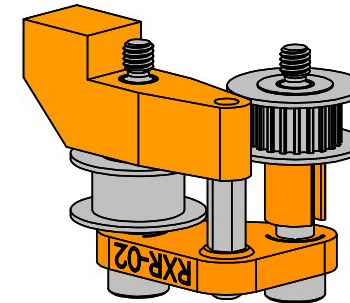
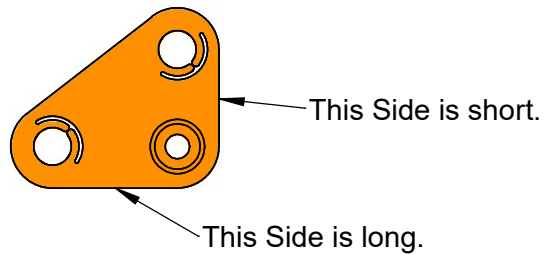
SCALE: 1:1

SHEET 5 OF 8

Note: This assembly step is for the genuine **Gates** brand pulleys only. If you are using **generic** brand pulleys, skip this page.



Note the orientation of the Reinforcement Plate



ITEM NO.	DESCRIPTION	
1	Crossbar X Limit Trigger	1
2	M3 10mm standoff, 4.5mm wide	1
3	M4 Shoulder Screw, 25mm long	2
4	M5 Shim, 0.2mm thick	2
5	20T Idler pulley, 2GT, 5mm bore	1
6	20T toothless idler, 5mm bore	1
7	Printed Pulley Spacer	1
8	Right Crossbar Pulley Reinforcement Plate	1
9	M3 Buttonhead Screw, 8mm long	1

Right Crossbar Gates Pulley Assembly

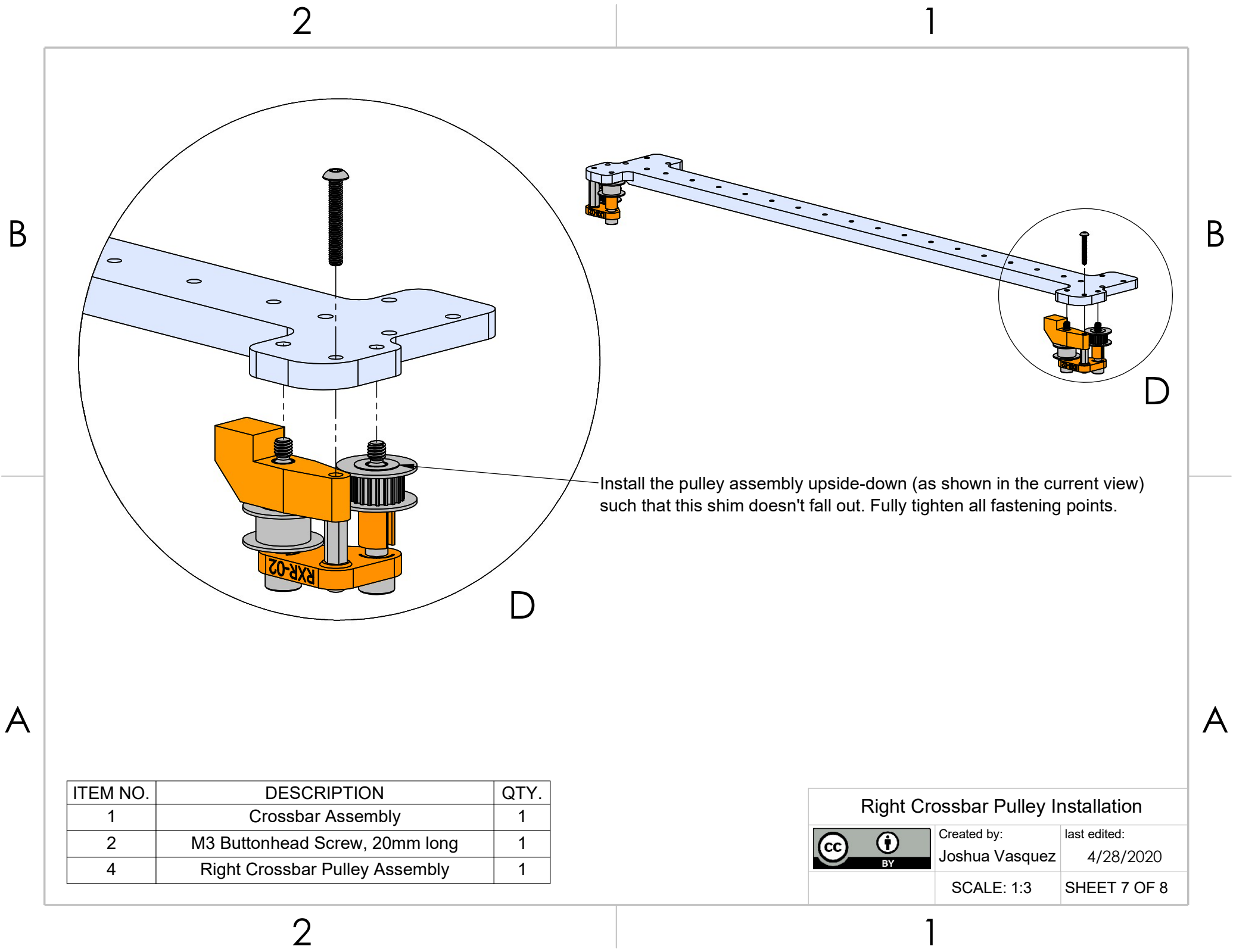


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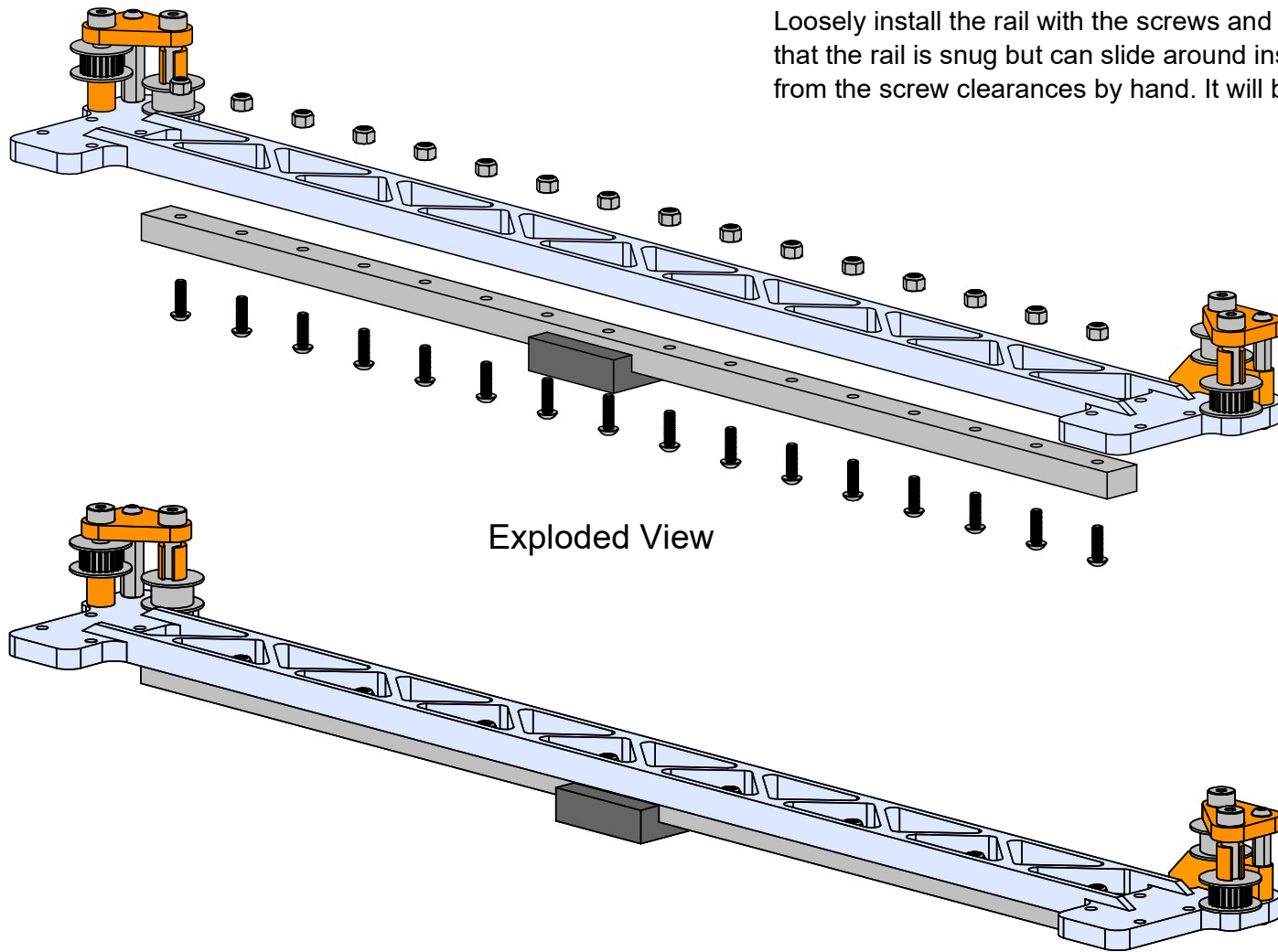
SCALE: 1:1

SHEET 6 OF 8




ITEM NO.	DESCRIPTION	QTY.
1	Crossbar Assembly	1
2	M3 Buttonhead Screw, 20mm long	1
4	Right Crossbar Pulley Assembly	1

Right Crossbar Pulley Installation		
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	SCALE: 1:3	SHEET 7 OF 8



ITEM NO.	DESCRIPTION	QTY.
4	M3 Buttonhead Screw, 16mm long	1
5	M3 Buttonhead Screw, 10mm long	17
6	395mm long MGN12 rail	1
7	M3 Locknut	16
8	MGN12C Carriage Block	1

Assembled View

Rail Installation		
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	SCALE: 1:2	SHEET 8 OF 8