

041 Aluminum Crossbar Assembly



Created by:
Joshua Vasquez

last edited:
5/28/2020

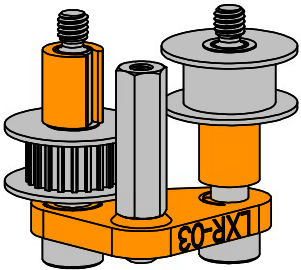
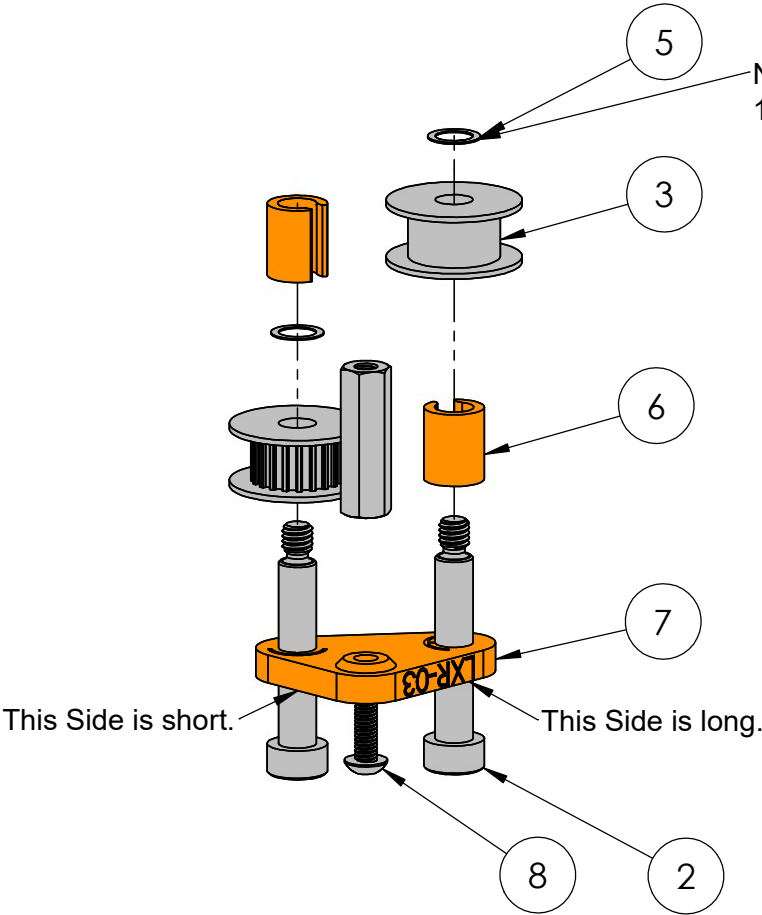
SCALE: 1:2

SHEET 1 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.

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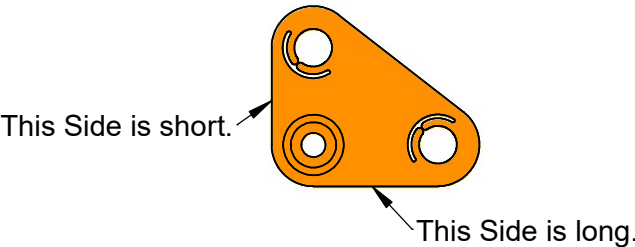


ITEM NO.	DESCRIPTION	QTY
1	M3 Standoff, 20mm long, 6mm wide	1
2	M4 Shoulder Screw, 25mm long	2
3	20T toothless idler, 5mm bore	1
4	20T Idler pulley, 2GT, 5mm bore	1
5	M5 Shim, 0.2mm thick, 7mm OD	2
6	Printed Pulley Spacer	2
7	Left Crossbar Pulley Reinforcement Plate	1
8	M3 Buttonhead Screw, 8mm long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

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Note the orientation of the Reinforcement Plate



Left Crossbar Generic Pulley Assembly

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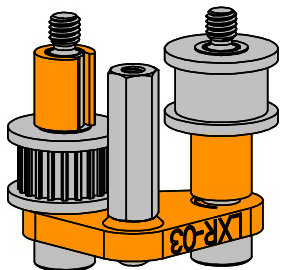
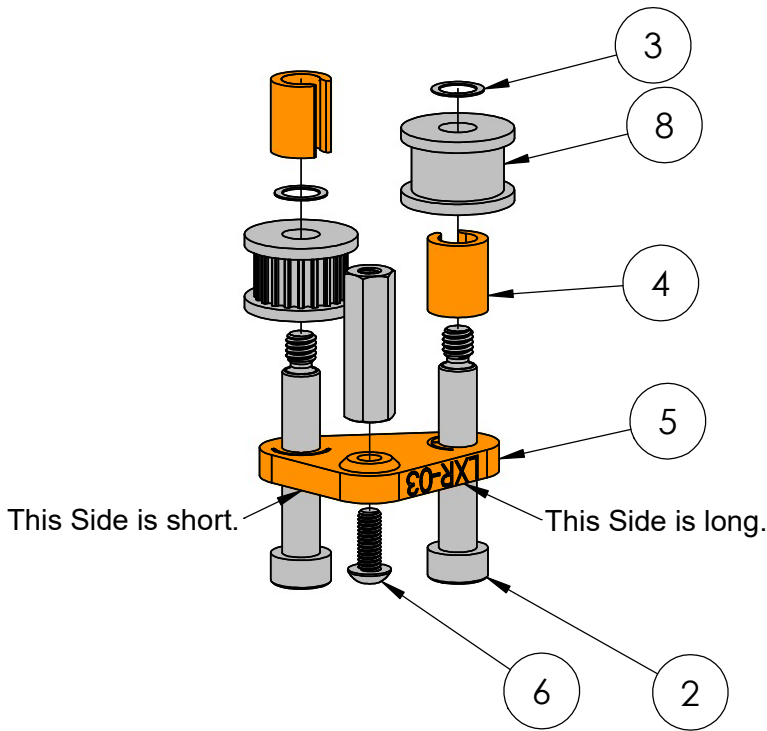
SCALE: 1:1

SHEET 2 OF 8

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

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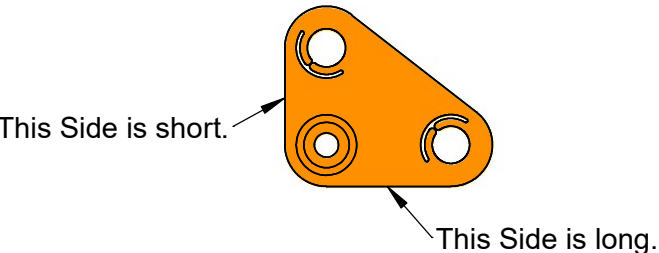


ITEM NO.	DESCRIPTION	QTY
1	M3 Standoff, 20mm long, 6mm wide	1
2	M4 Shoulder Screw, 25mm long	2
3	20T toothless idler, 5mm bore	1
4	20T Idler pulley, 2GT, 5mm bore	1
5	M5 Shim, 0.2mm thick, 7mm OD	2
6	Printed Pulley Spacer	2
7	Left Crossbar Pulley Reinforcement Plate	1
8	M3 Buttonhead Screw, 8mm long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

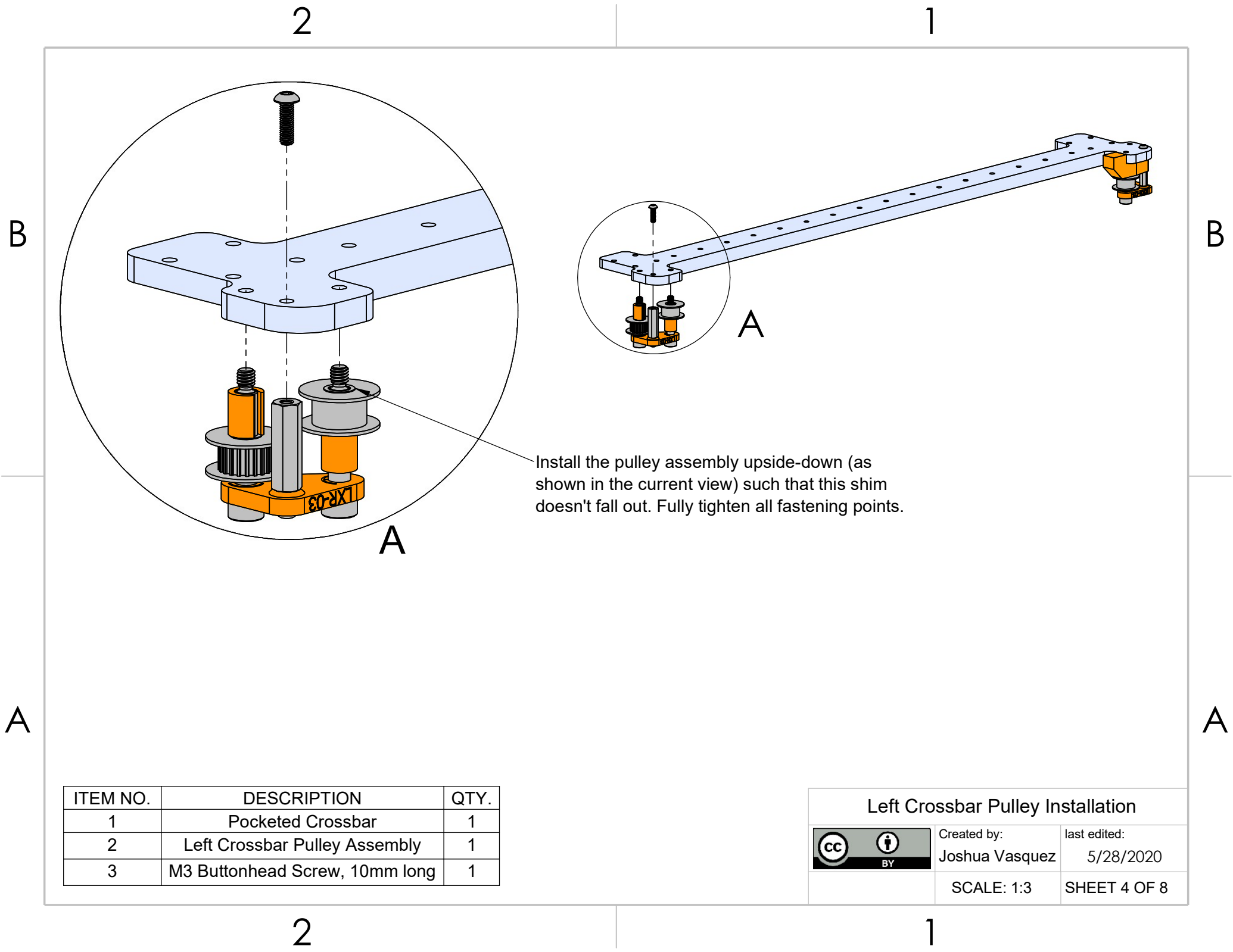
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Note the orientation of the Reinforcement Plate



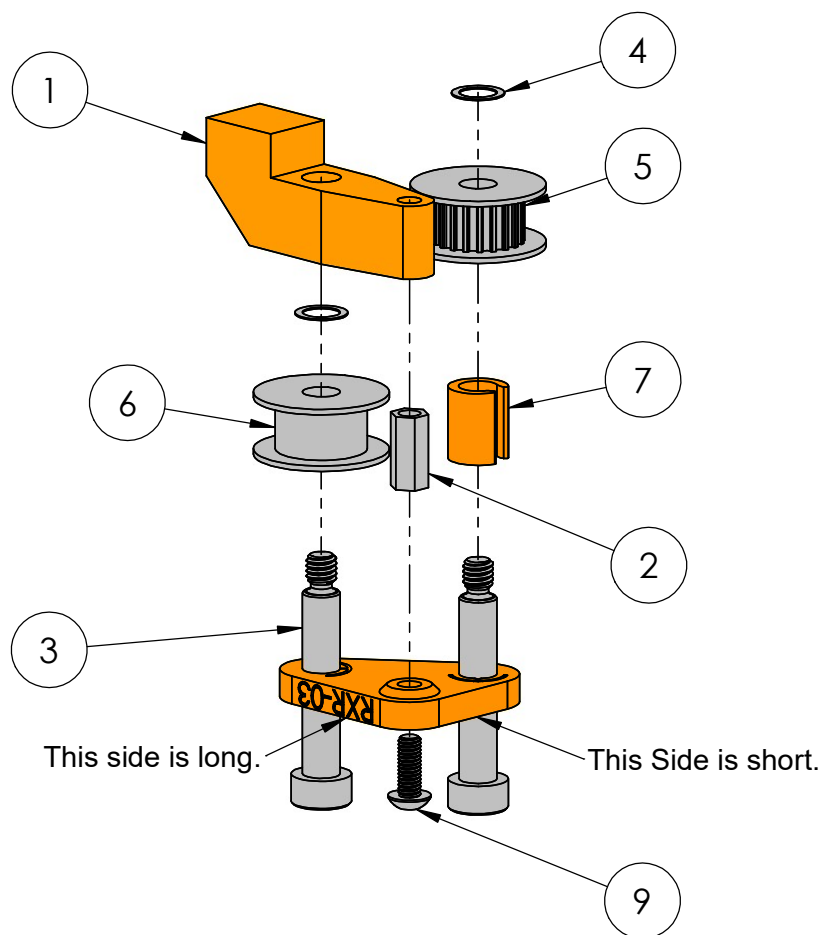
Left Crossbar Gates Pulley Assembly		
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	SCALE: 1:1	SHEET 3 OF 8



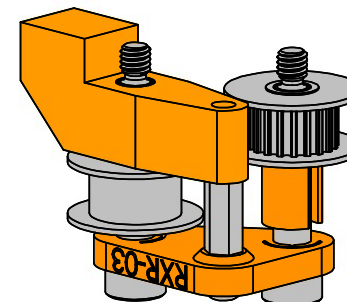
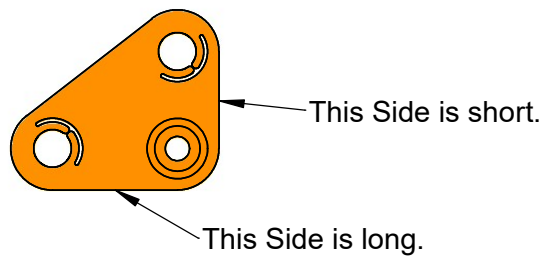
ITEM NO.	DESCRIPTION	QTY.
1	Pocketed Crossbar	1
2	Left Crossbar Pulley Assembly	1
3	M3 Buttonhead Screw, 10mm long	1

Left Crossbar Pulley Installation		
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	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.



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, 7mm OD	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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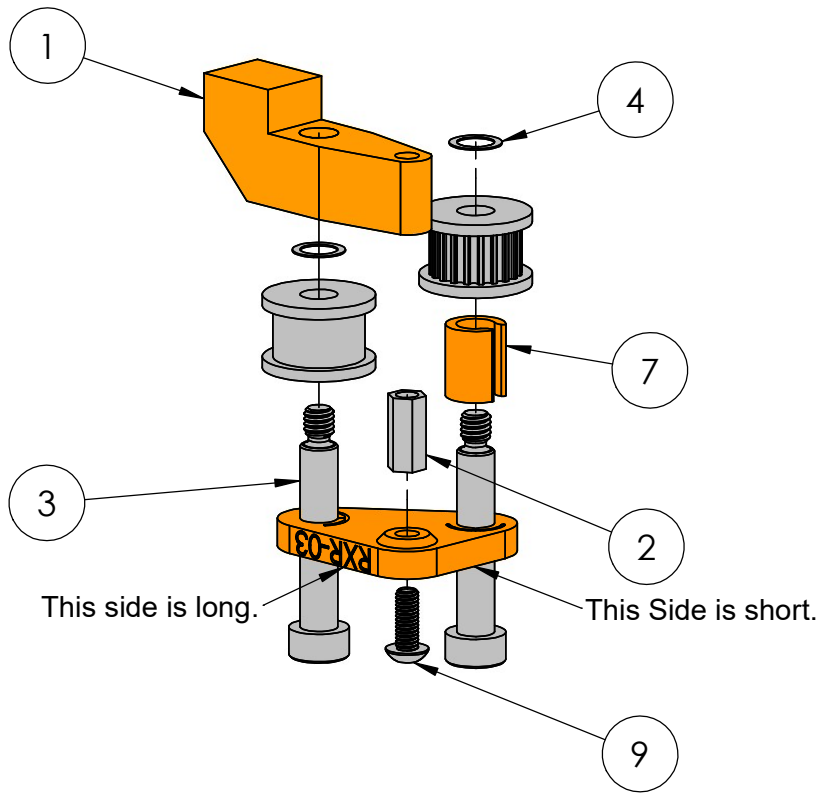
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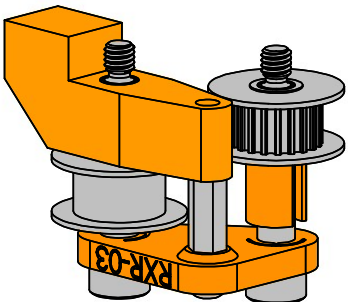
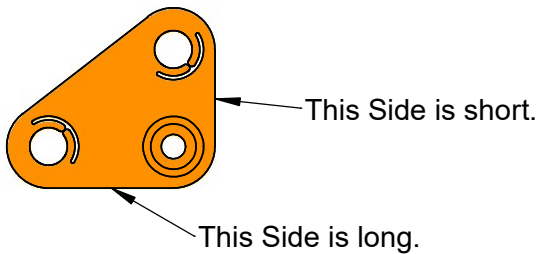
Note: This assembly step is for the genuine **Gates** brand pulleys only. If you are using **generic** brand pulleys, skip this page.

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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, 7mm OD	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

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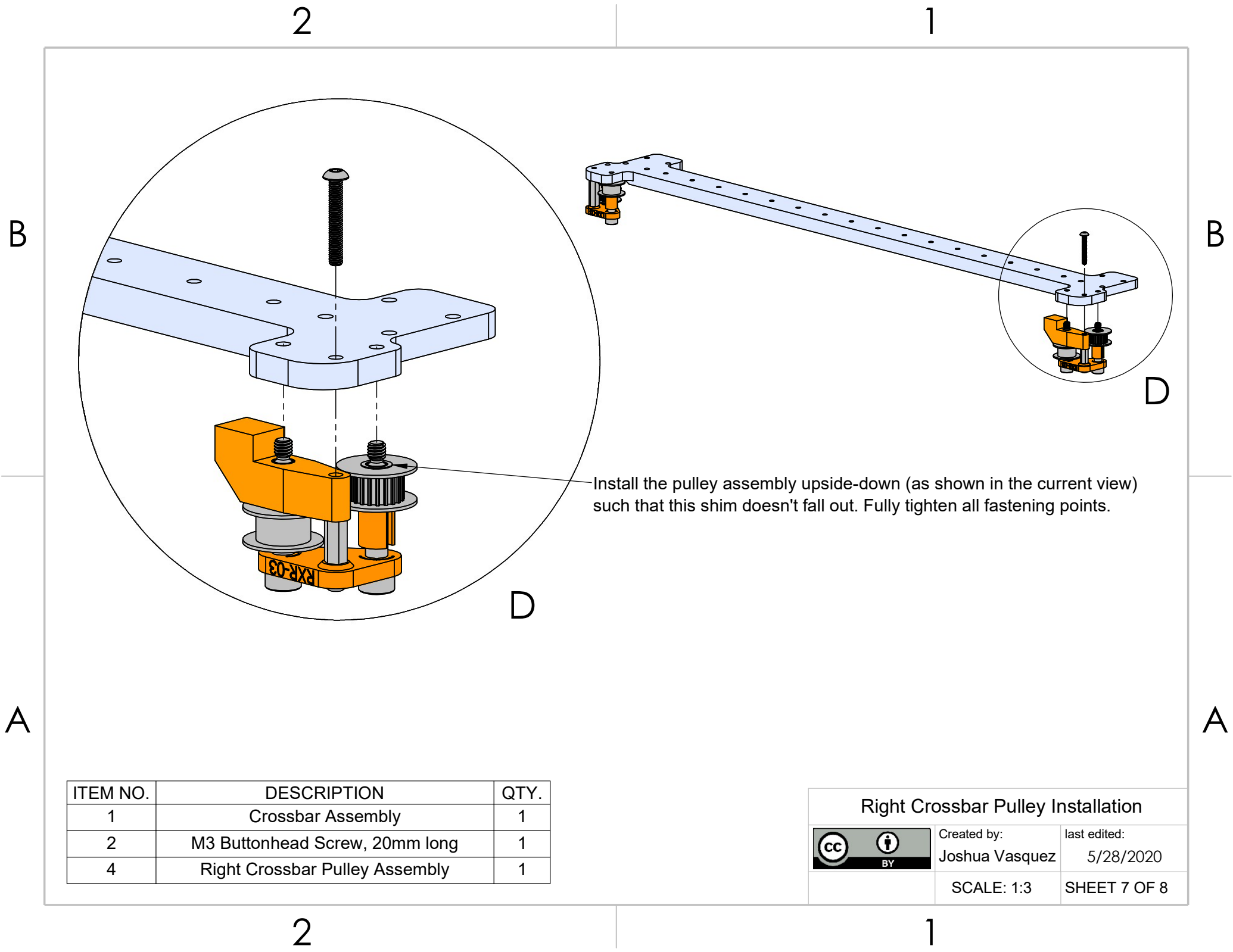
Right Crossbar Gates Pulley Assembly

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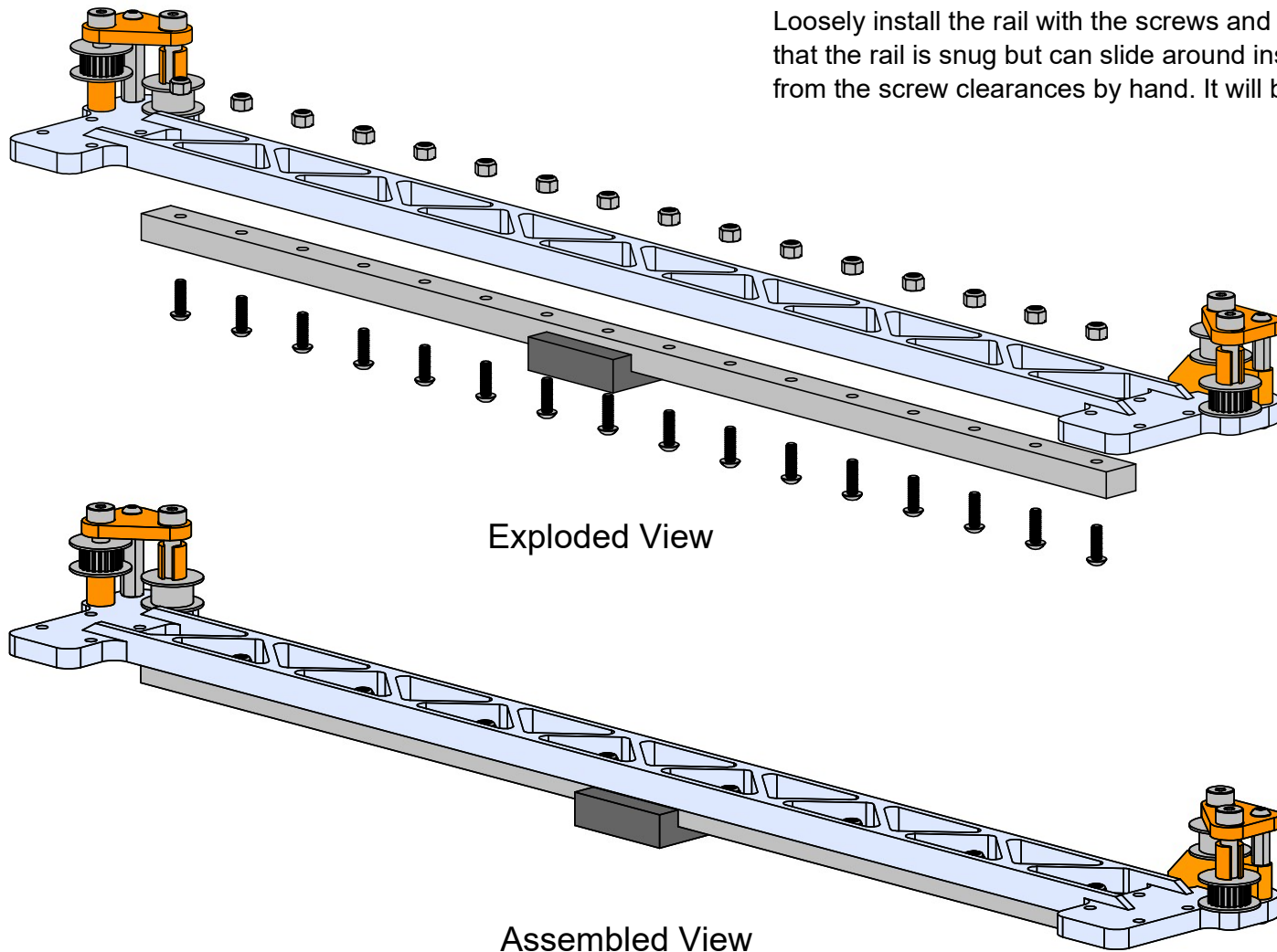
SCALE: 1:1

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.
2	Crossbar with Pulley Assemblies	1
3	395 or 400mm long MGN12 rail	1
4	MGN12C Carriage Block	1
5	M3 Buttonhead Screw, 10mm long	16
6	M3 Locknut	16

Rail Installation		
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	SCALE: 1:2	SHEET 8 OF 8