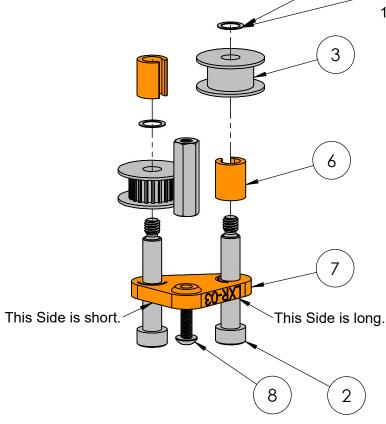


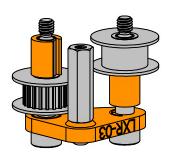
Note: This assembly step is for the generic brand pulleys only. If you are using genuine Gates brand pulleys, skip this page and see the next page.



Note that these have a noticeably smaller diameter than the 10mm outer-diameter versions.

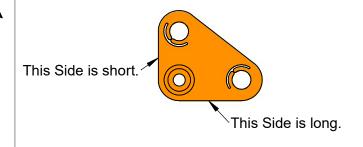






ITEM NO.	DESCRIPTION	QTY
1	M3 Standoff, 20mm long, 6mm wide	1
2	M4 Shoulder Screw, 25mm long	2
3	20T toothless idler, 5mm bore	1
4	20T Idler pulley, 2GT, 5mm bore	1
5	M5 Shim, 0.2mm thick, 7mm OD	2
6	Printed Pulley Spacer	2
7	Left Crossbar Pulley Reinforcement Plate	1
8	M3 Buttonhead Screw, 8mm long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

Note the orientation of the Reinforcement Plate



Left Crossbar Generic Pulley Asser	nbly
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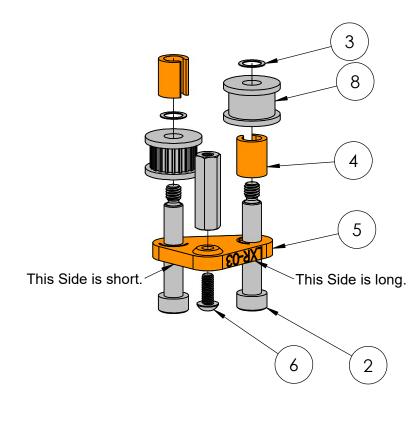
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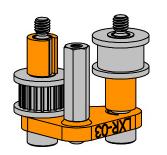
	Created by:	last edited:
BY	Joshua Vasquez	5/28/2020
	SCALE: 1:1	SHEET 2 OF 8

В

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

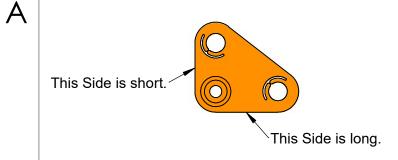
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ITEM NO.	DESCRIPTION	QTY
1	M3 Standoff, 20mm long, 6mm wide	1
2	M4 Shoulder Screw, 25mm long	2
3	20T toothless idler, 5mm bore	1
4	20T Idler pulley, 2GT, 5mm bore	1
5	M5 Shim, 0.2mm thick, 7mm OD	2
6	Printed Pulley Spacer	2
7	Left Crossbar Pulley Reinforcement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

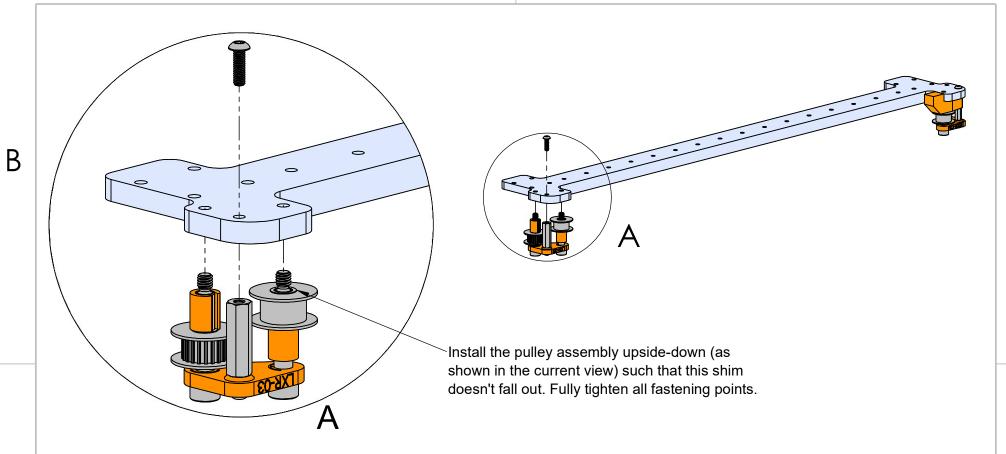
Note the orientation of the Reinforcement Plate



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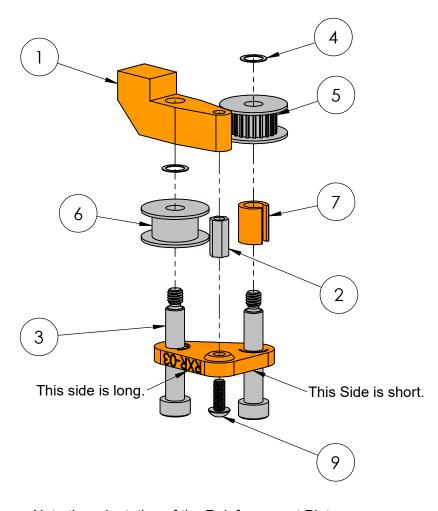
ITEM NO.	DESCRIPTION	QTY.
1	Pocketed Crossbar	1
2	Left Crossbar Pulley Assembly	1
3	M3 Buttonhead Screw, 10mm long	1

	Left Cro	ssbar Pulley In	stallation
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		SCALE: 1:3	SHEET 4 OF 8

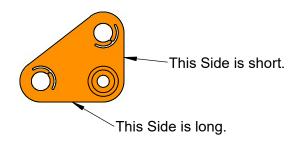
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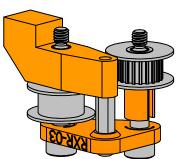
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Note: This assembly step is for the generic brand pulleys only. If you are using genuine Gates brand pulleys, skip this page and see the next page.



Note the orientation of the Reinforcement Plate





DESCRIPTION	
Crossbar X Limit Trigger	1
M3 10mm standoff, 4.5mm wide	1
M4 Shoulder Screw, 25mm long	2
M5 Shim, 0.2mm thick, 7mm OD	2
20T Idler pulley, 2GT, 5mm bore	1
20T toothless idler, 5mm bore	1
Printed Pulley Spacer	1
Right Crossbar Pulley Reinforcement Plate	1
M3 Buttonhead Screw, 8mm long	1
	Crossbar X Limit Trigger M3 10mm standoff, 4.5mm wide M4 Shoulder Screw, 25mm long M5 Shim, 0.2mm thick, 7mm OD 20T Idler pulley, 2GT, 5mm bore 20T toothless idler, 5mm bore Printed Pulley Spacer Right Crossbar Pulley Reinforcement Plate

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BY	Joshua Vasquez	5/28/2020
	SCALE: 1:1	SHEET 5 OF 8

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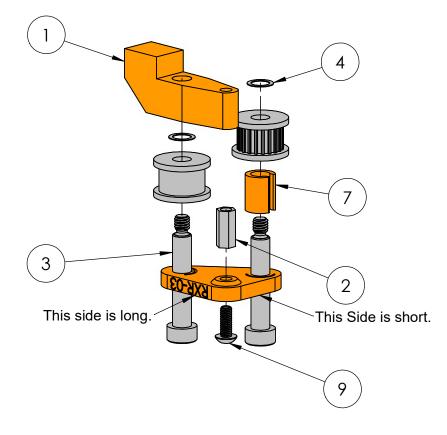
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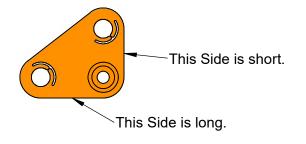
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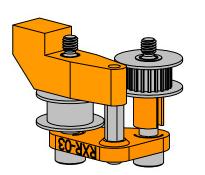
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Note: This assembly step is for the genuine Gates brand pulleys only. If you are using generic brand pulleys, skip this page.



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 Gates Pulley Assembly			
	•	Created by:	last edited:
<u> </u>	$lue{f U}$	Joshua Vasquez	5/28/2020

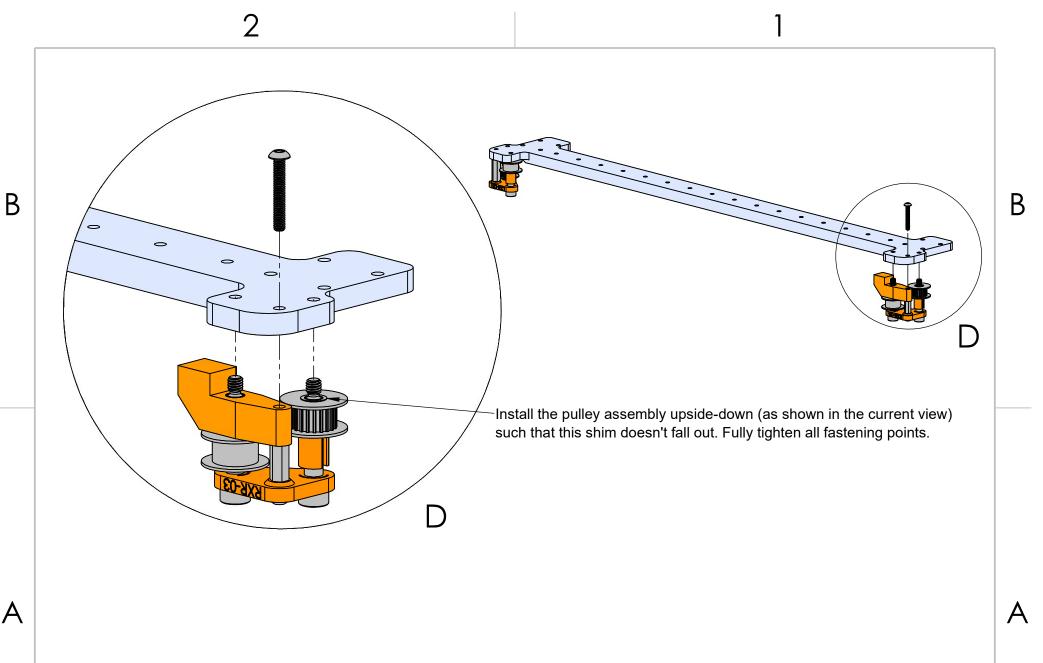
SCALE: 1:1 SHEET 6 OF 8

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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			
	(i)	Created by:	last edited:
(00)	BY	Joshua Vasquez	5/28/2020
		SCALE: 1:3	SHEET 7 OF 8



Loosely install the rail with the screws and lock nuts such that the rail is snug but can slide around inside the holes from the screw clearances by hand. It will be tightened later. **Exploded View**

Assembled View

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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		

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