

041 Aluminum	Crossbar Assembly
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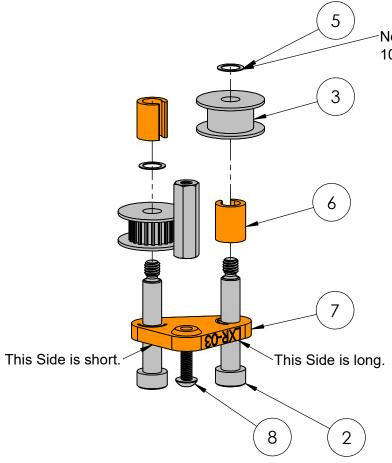
Created by: last edited:

Joshua Vasquez 6/3/2021

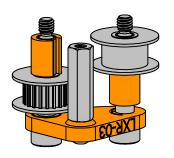
SCALE: 1:2

SHEET 1 OF 8

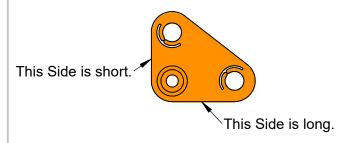
Note: This assembly step is for the generic brand pulleys only. If you are using genuine Gates brand pulleys, skip this page and see the next page.



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



Note the orientation of the Reinforcement Plate

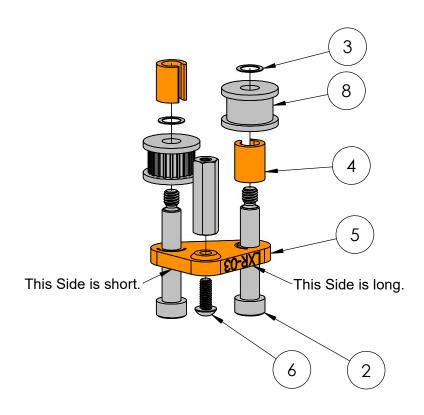


ITEM NO.	DESCRIPTION	QTY
1	M3 Standoff, 20mm long, 6mm wide	1
2	M4 Shoulder Screw, 25mm long	2
3	20T toothless idler, 5mm bore	1
4	20T Idler pulley, 2GT, 5mm bore	1
5	M5 Shim, 0.2mm thick, 7mm OD	2
6	Printed Pulley Spacer	2
7	Left Crossbar Pulley Reinforcement Plate	1
8	M3 Buttonhead Screw, 8mm long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

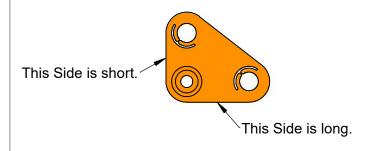
Left Crossbar Generic Pulley Assembly

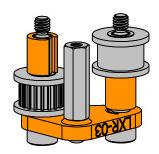
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		Created by:	last edited:		
	CC	BY	Joshua Vasquez	6/3/2021	
			SCALE: 1:1	SHEET 2 OF 8	

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



Note the orientation of the Reinforcement Plate

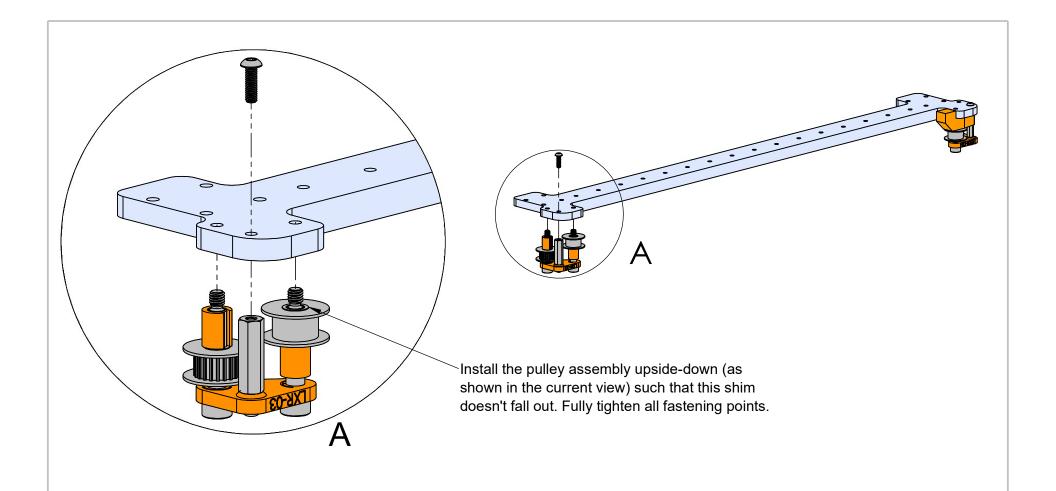




ITEM NO.	DESCRIPTION	QTY.
1	M3 Standoff, 20mm long, 6mm wide	1
2	M4 Shoulder Screw, 25mm long	2
3	M5 Shim, 0.2mm thick, 7mm OD	2
4	Printed Pulley Spacer	2
5	Left Crossbar Pulley Reinforcement Plate	1
6	M3 Buttonhead Screw, 8mm long	1
7	20T Idler pulley, 2GT, 5mm bore	1
8	20T Toothless Idler pulley, 2GT,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

Left Cross	bar Gates	s Pulley A	Assembly

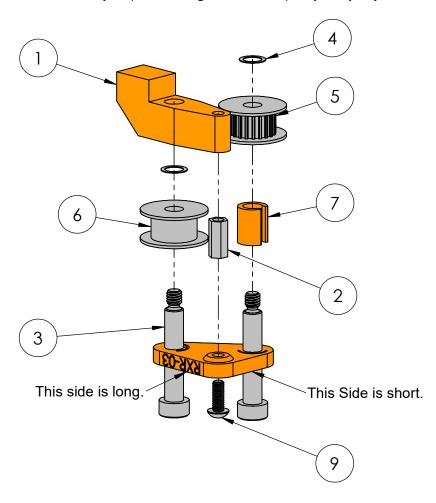
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		Created by:	last edited:		
	CC	BY	Joshua Vasquez	6/3/2021	
			SCALE: 1:1	SHEET 3 OF 8	



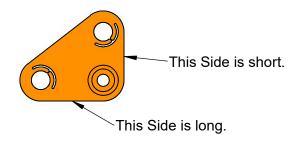
ITEM NO.	DESCRIPTION	QTY.
1	Pocketed Crossbar	1
2	Left Crossbar Pulley Assembly	1
3	M3 Buttonhead Screw, 10mm long	1

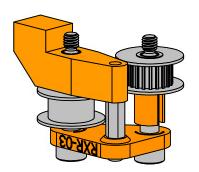
Left Crossbar Pulley Installation			
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		SCALE: 1:3	SHEET 4 OF 8

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

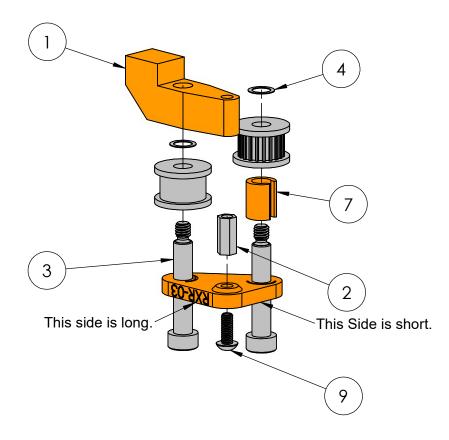


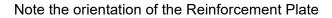


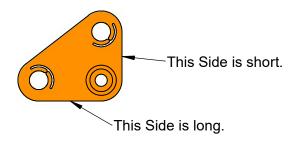
ITEM NO.	DESCRIPTION	
1	Crossbar X Limit Trigger	1
2	M3 10mm standoff, 4.5mm wide	1
3	M4 Shoulder Screw, 25mm long	2
4	M5 Shim, 0.2mm thick, 7mm OD	2
5	20T Idler pulley, 2GT, 5mm bore	1
6	20T toothless idler, 5mm bore	1
7	Printed Pulley Spacer	1
8	Right Crossbar Pulley Reinforcement Plate	1
9	M3 Buttonhead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

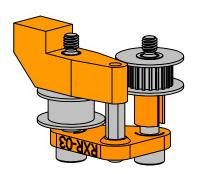
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	SCALE: 1:1	SHEET 5 OF 8

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





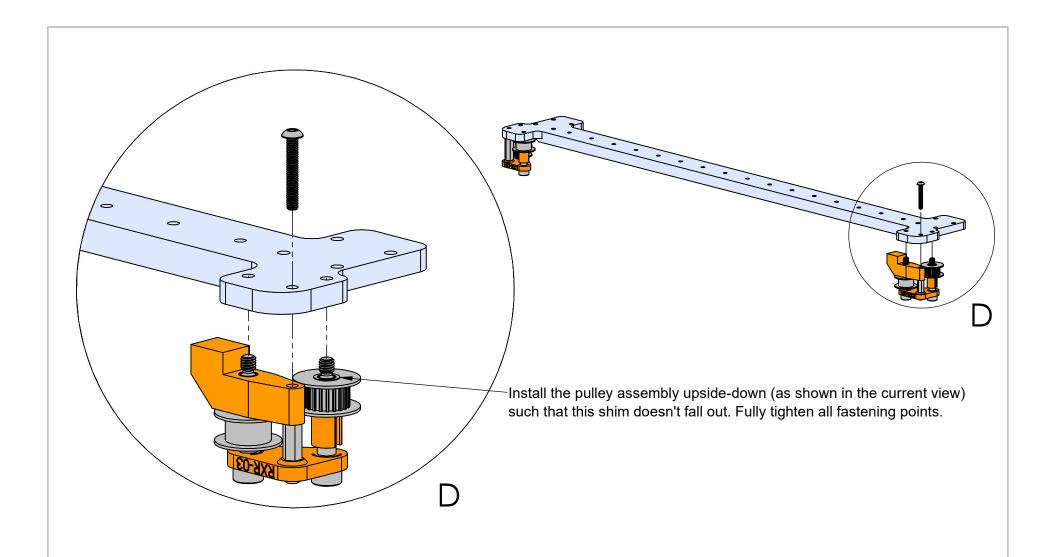




ITEM NO.	DESCRIPTION	
1	Crossbar X Limit Trigger	1
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6	20T toothless idler, 5mm bore	1
7	Printed Pulley Spacer	1
8	Right Crossbar Pulley Reinforcement Plate	1
9	M3 Buttonhead Screw, 8mm long	1

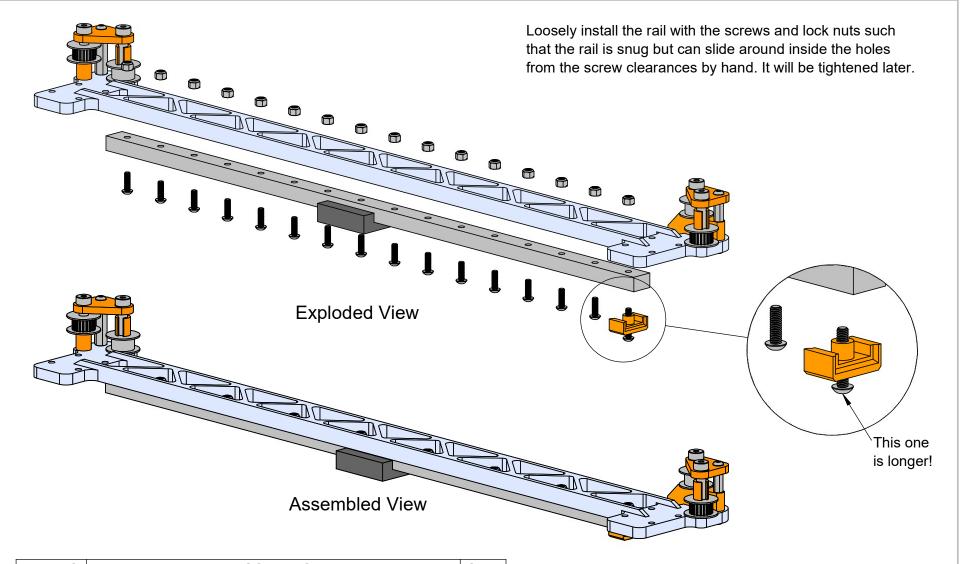
Right Crossbar Gates Pull	еу	Α	\ss	embly

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	SCALE: 1:1	SHEET 6 OF 8



1 Crossbar Assembly 2 M3 Buttonhead Screw, 20mm long	
	1
A Dight Charles an Dullay Assaulthy	1
4 Right Crossbar Pulley Assembly	1
5 M3 Locknut	1

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



ITEM NO.	DESCRIPTION	QTY.
1	Crossbar with Pulley Assembly	1
2	M3 Buttonhead Screw, 10mm long	15
3	395 or 400mm long MGN12 rail with MGN12C Carriage	1
5	M3 Locknut	16
18	X Axis Hard Stop	1
19	M3 Buttonhead Screw, 16mm long	1

Rail Installation			
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