

Double Pulley Corner Plate Assembly



Created by:
Joshua Vasquez

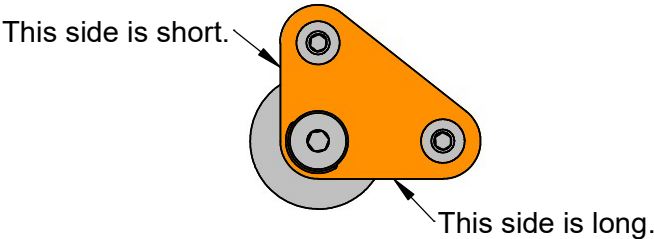
last edited:
5/31/2020

SCALE: 1:1

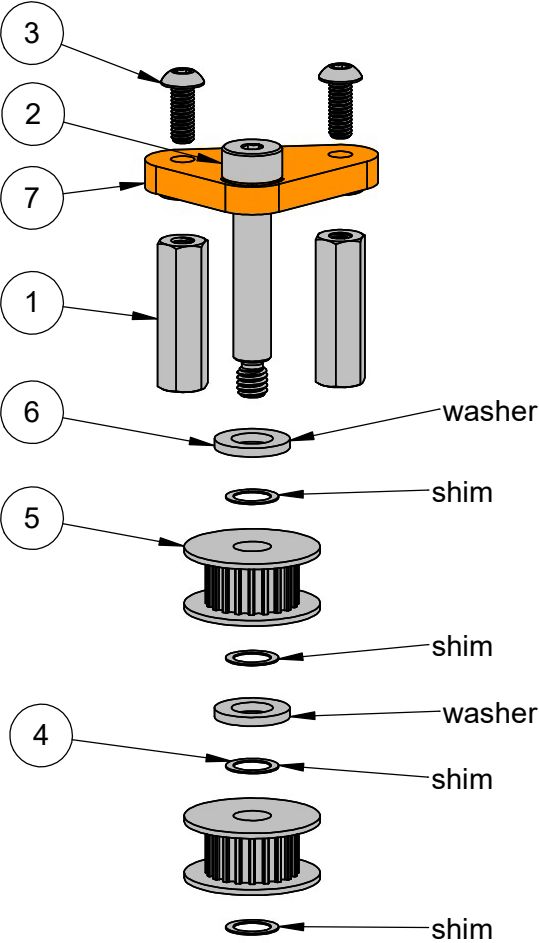
SHEET 1 OF 7

B

Note the plate orientation!

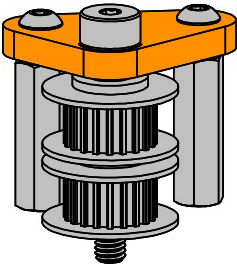


Top View



Exploded View

1



Assembled View

A

ITEM NO.	DESCRIPTION	
1	M3 Standoff, 20mm long, 6mm wide	2
2	M4 Shoulder Screw, 25mm long	1
3	M3 Buttonhead Screw, 8mm long	2
4	M5 Shim, 0.2mm thick, 7mm OD	4
5	20T Idler pulley, 2GT, 5mm bore	2
6	M5 Washer, 0.8-1.2mm thick	2
7	Left Corner Pulley Reinforcement Plate	1

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SCALE: 1:1

SHEET 2 OF 7

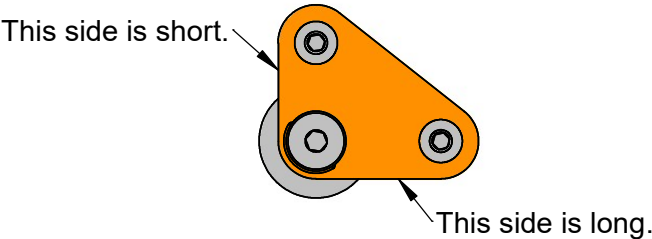
Left Corner Generic Pulley Assembly

B

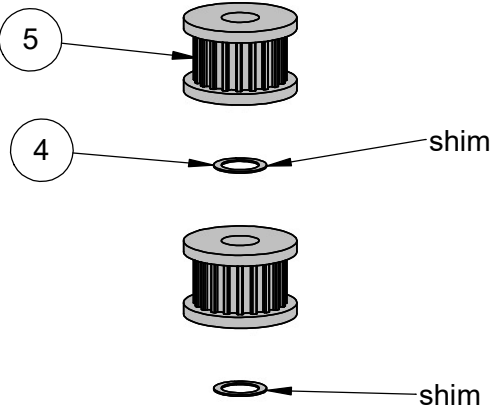
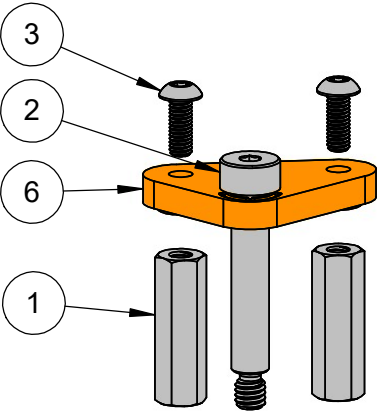
A

B

Note the plate orientation!

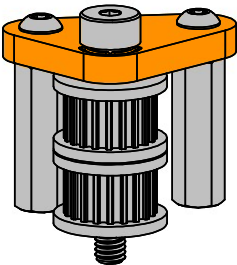


Top View



Exploded View

1



Assembled View

A

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

2

B

A

Left Corner Gates Pulley Assembly

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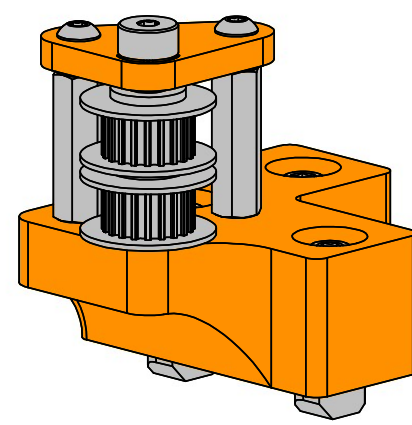
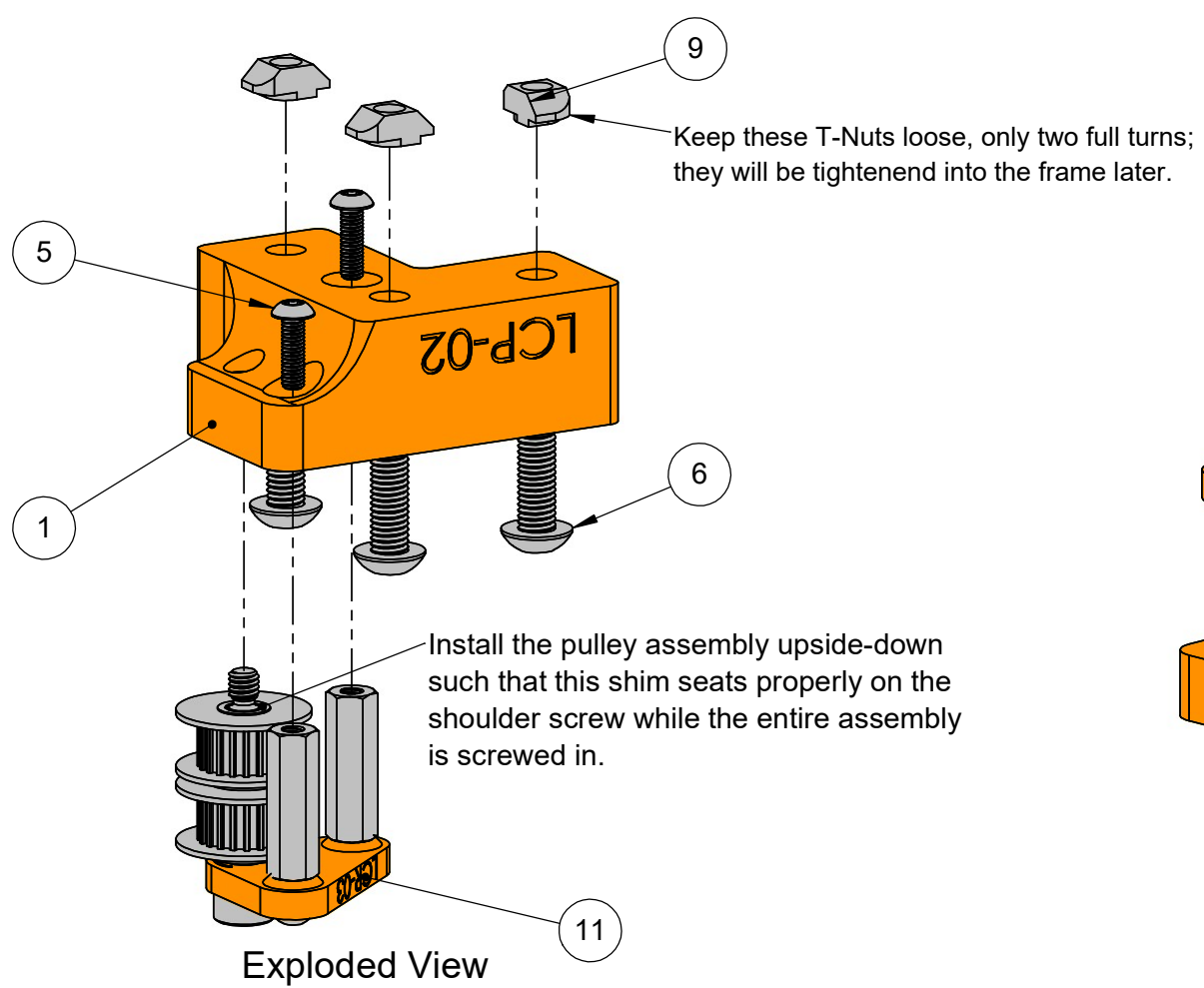
last edited:
5/31/2020

SCALE: 1:1

SHEET 3 OF 7

1

B



Assembled View

A

ITEM NO.	DESCRIPTION	
1	Left Corner Plate with Insert Installed	1
5	M3 Buttonhead Screw, 10mm long	2
6	M5 Buttonhead Screw, 20mm long	3
9	M5 Drop-In T-Nut for 20x20 Extrusion	3
11	Left Corner Pulley Reinforcement Plate	1

Left Corner Pulley Plate Assembly		
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	SCALE: 1:1	SHEET 4 OF 7

B

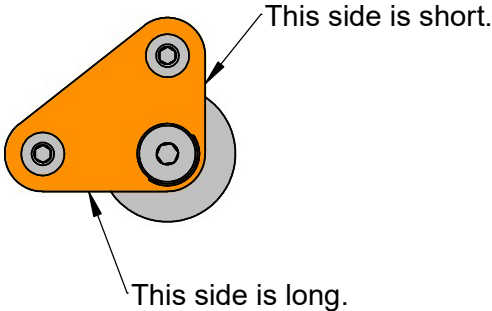
A

B

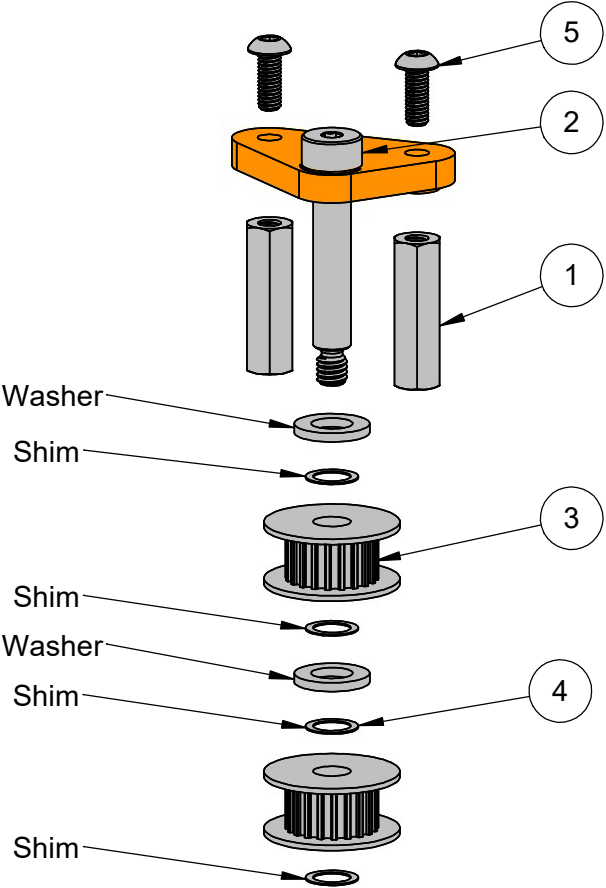
A

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

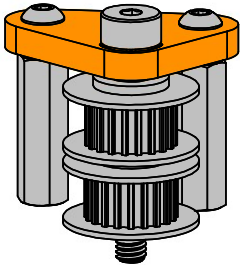
Top View



Note the plate orientation! Also note that this orientation is different from the prior pulley assembly.



Exploded View



Assembled View

ITEM NO.	DESCRIPTION	
1	M3 Standoff, 20mm long, 6mm wide	2
2	M4 Shoulder Screw, 25mm long	1
3	20T Idler pulley, 2GT, 5mm bore	2
4	M5 Shim, 0.2mm thick, 7mm OD	4
5	M3 Buttonhead Screw, 8mm long	2
6	M5 Washer, 0.8-1.2mm thick	2
7	Left Corner Pulley Reinforcement Plate	1

Right Corner Generic Pulley Assembly

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SCALE: 1:1

SHEET 5 OF 7

B

A

B

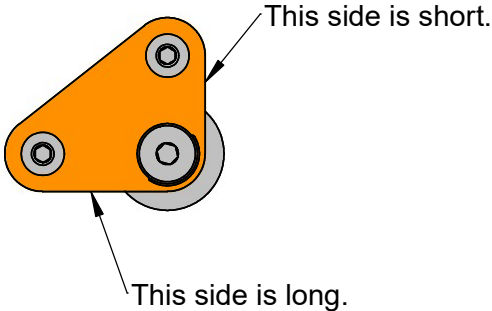
A

2

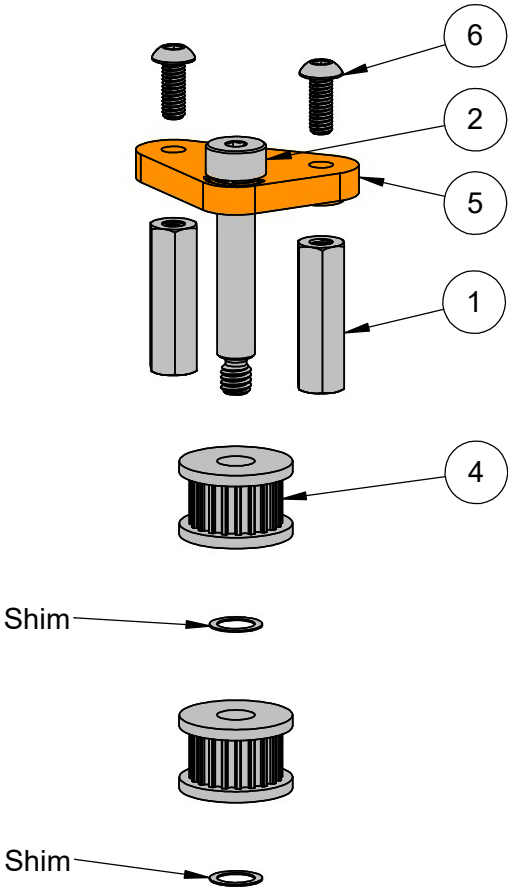
1

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

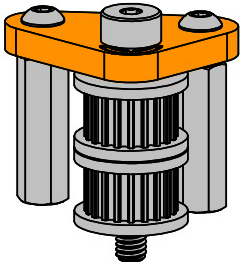
Top View



Note the plate orientation! Also note that this orientation is different from the prior pulley assembly.



Exploded View



Assembled View

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

CC

BY

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SCALE: 1:1

SHEET 6 OF 7

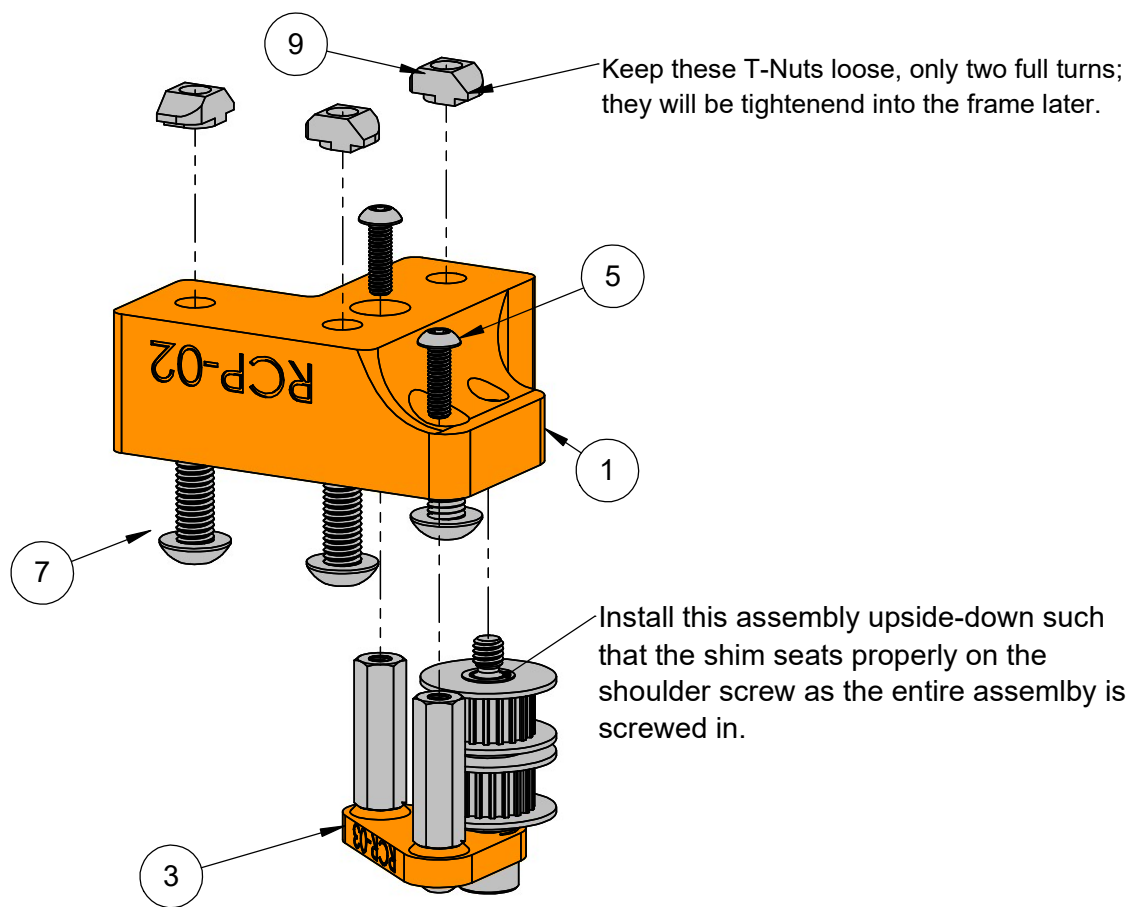
2

1

B

A

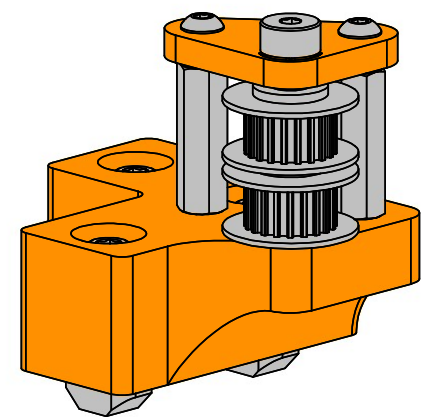
B



Exploded View

ITEM NO.	DESCRIPTION	
1	Right Corner Plate with Insert Installed	1
3	Right Corner Pulley Assembly	1
5	M3 Buttonhead Screw, 10mm long	2
7	M5 Buttonhead Screw, 20mm long	3
9	M5 Drop-In T-Nut for 20x20 Extrusion	3

1



Assembled View

B

A

A

Right Corner Pulley Plate Assembly		
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	Joshua Vasquez	5/31/2020
	SCALE: 1:1	SHEET 7 OF 7

2

1

2