

Make 3 assemblies.

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Compress the Delrin anti-backlash nut fully before installing it. Twist it down about 1/3 down the length of the leadscrew.

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ITEM NO.DESCRIPTIONQTY.18mm T8x2 Trapezoidal Lead Screw328mm T8x2 Small Delrin Anti-Backlash Nut3

Lead Screw Nut Installation

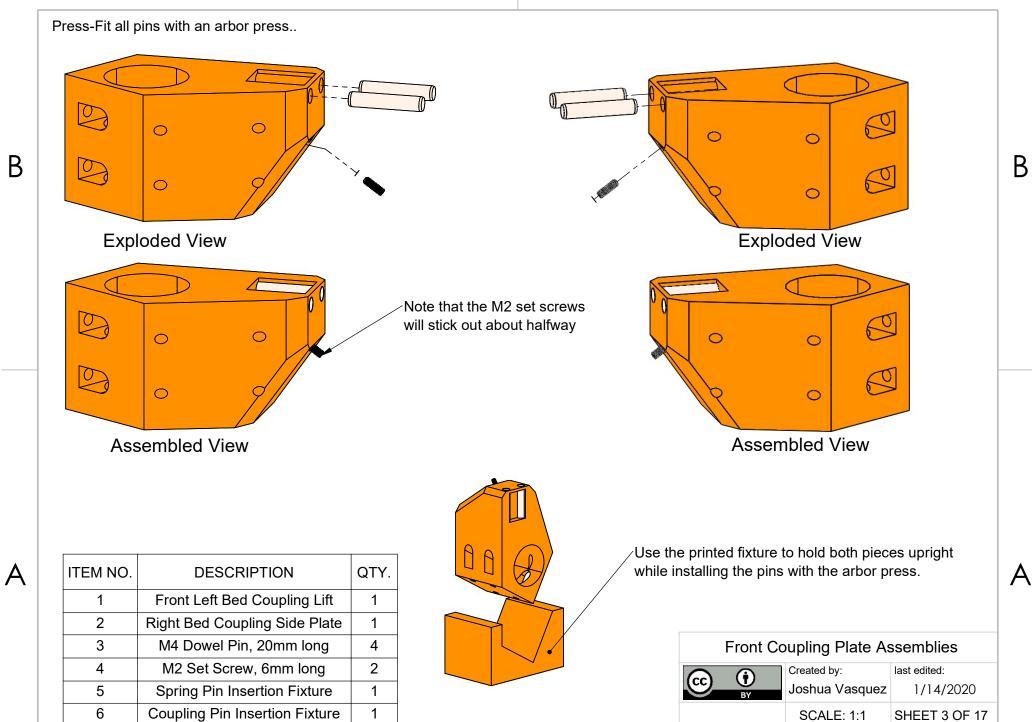
Created by:
Joshua Vasquez

SCALE: 1:3

Last edited:
1/14/2020

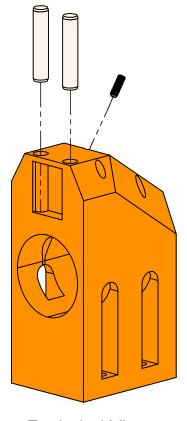
SCALE: 1:3

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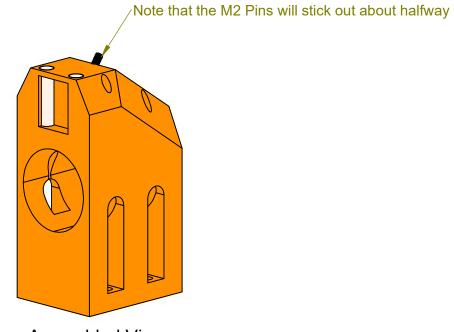


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Press-Fit the M4 dowel pins with an arbor press. Install the set screw with a hex key.



Exploded View

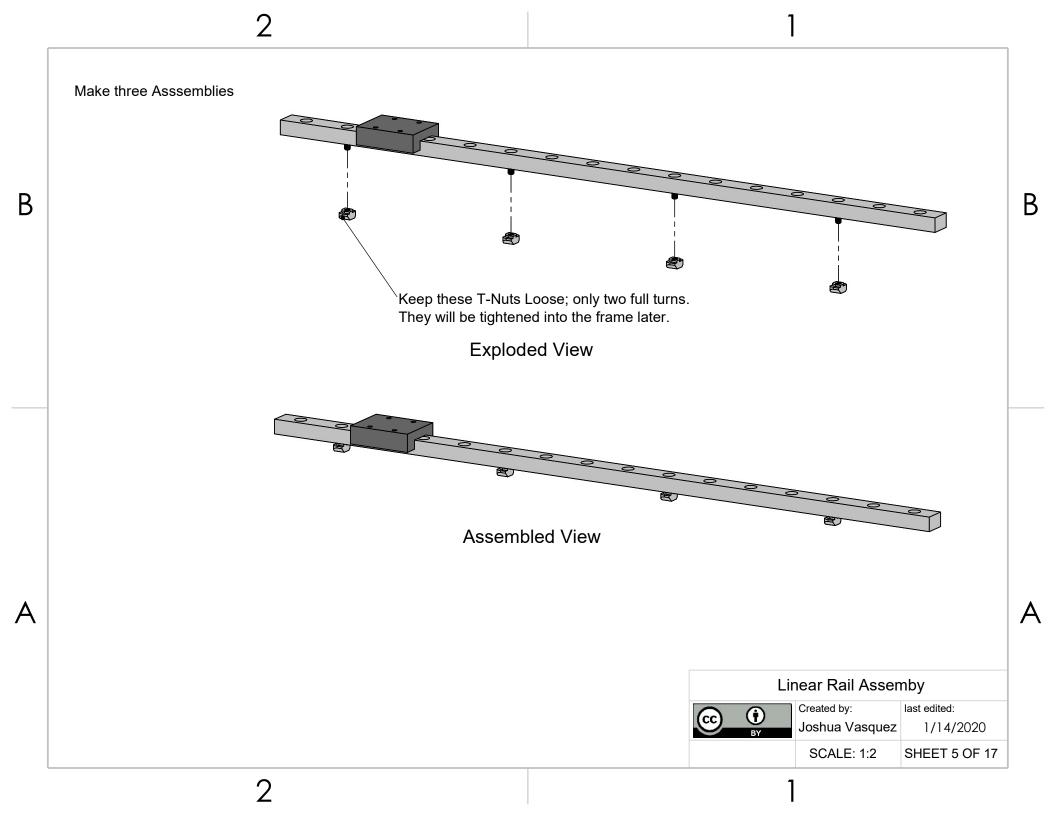


Assembled View

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ITEM NO.	DESCRIPTION	QTY.
1	Bed Coupling Back Plate	1
2	M4 Dowel Pin, 20mm long	2
3	M2 Set Screw, 6mm long	1

Back Z Lift Assembly			
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		SCALE: 1:1	SHEET 4 OF 17

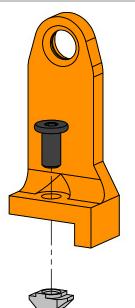




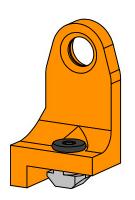


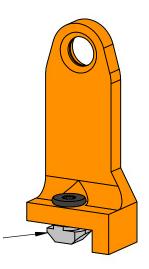


Exploded Views









Keep these nuts loose. About two turns. They will be tightened into the frame later.

Assembled Views

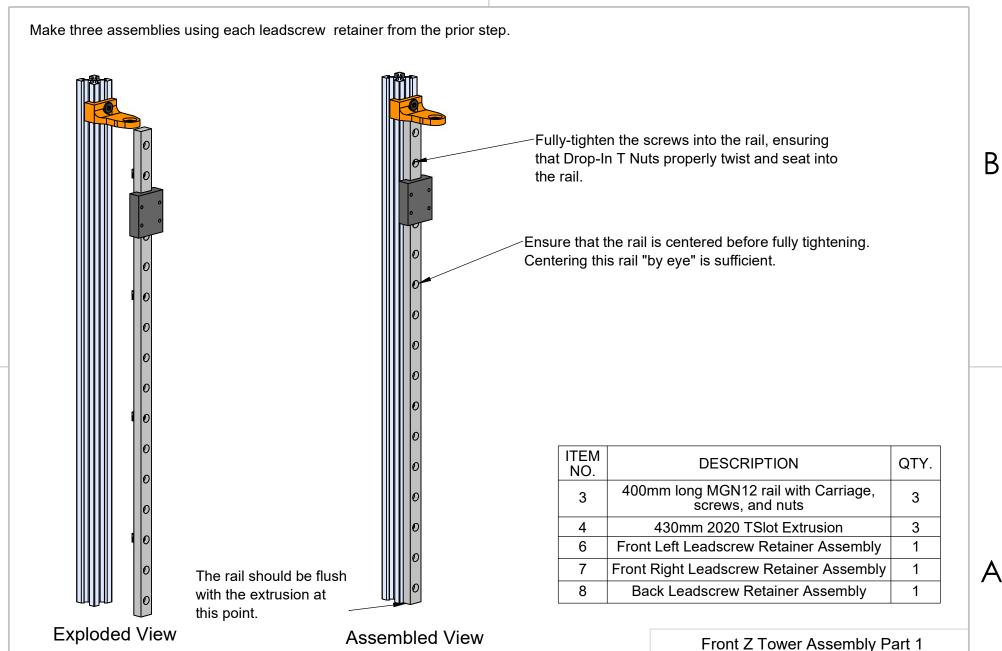
ITEM NO.	DESCRIPTION	
1	Back Leadscrew Retainer	1
2	Front Left Leadscrew Retainer	1
3	Front Right Leadscrew Retainer	1

Leadscrew Retainer Assembly			
Created by: last edited: Joshua Vasquez 1/14/2			
		SCALE: 1:1	SHEET 6 OF 17

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Joshua Vasquez

SCALE: 1:3

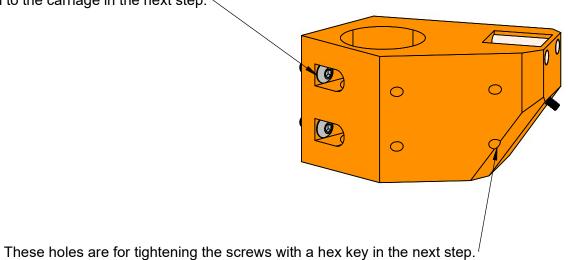
last edited:

1/14/2020

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Install four M3, 8mm long screws into each hole first on both the front left and right bed coupling lifts.

Installing them here first will make them easier to attach to the carriage in the next step.

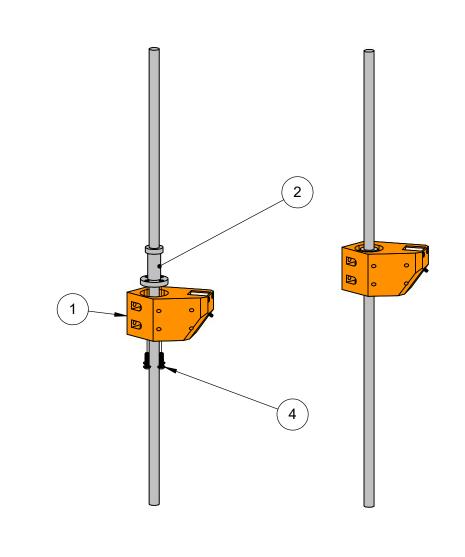


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ITEM NO.	DESCRIPTION	QTY.
1	Front Left Bed Coupling Lift with pins and set screw	1
2	Front Right Bed Coupling Lift with pins and set screw	1
5	M3 Buttonhead Screw, 8mm long	8

Screw Preloading			
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		SCALE: 1:1	SHEET 8 OF 17





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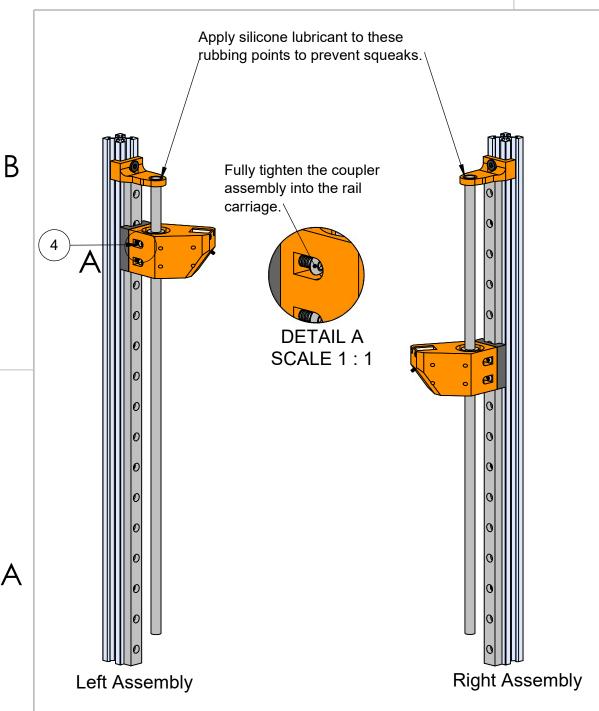
ITEM NO.	DESCRIPTION	
1	Left Coupling Side Plate with Inserts	1
2	8mm T8x2 Small Delrin Anti-Backlash Nut	1
3	8mm T8x2 Trapezoidal Lead Screw	1
4	M3 Buttonhead Screw, 8mm long	4

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Front Z Lift Assemblies			
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	SCALE: 1:3	SHEET 9 OF 17	

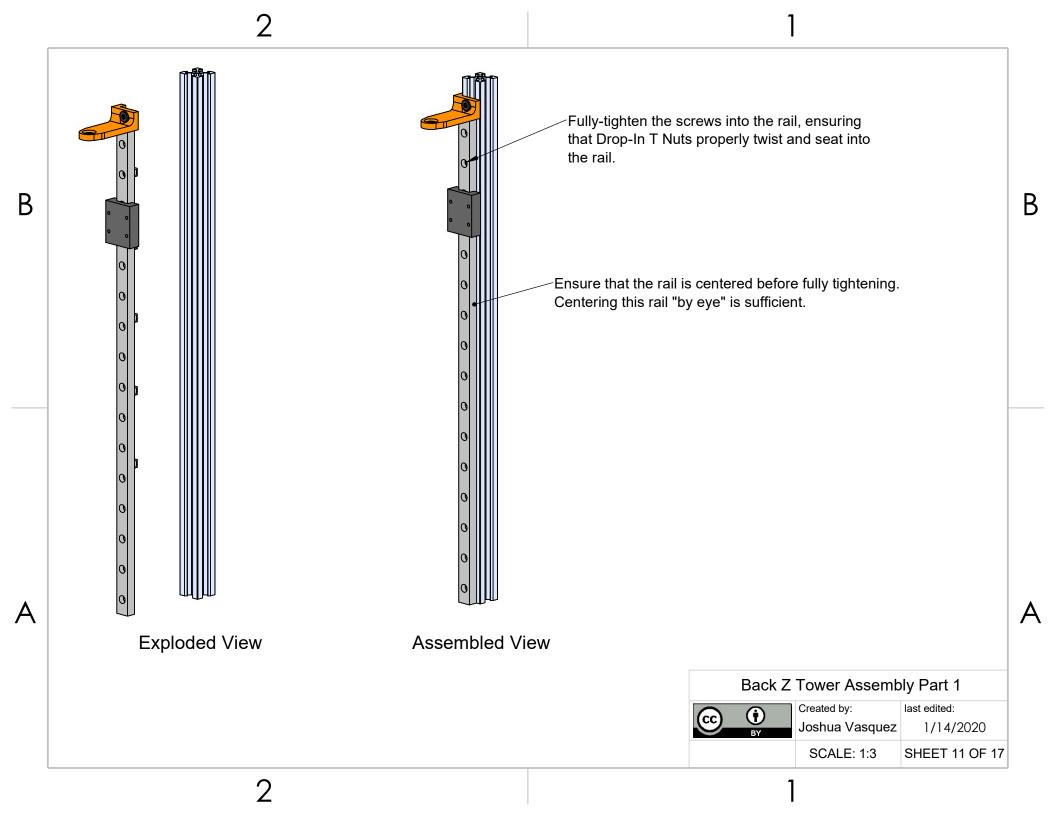
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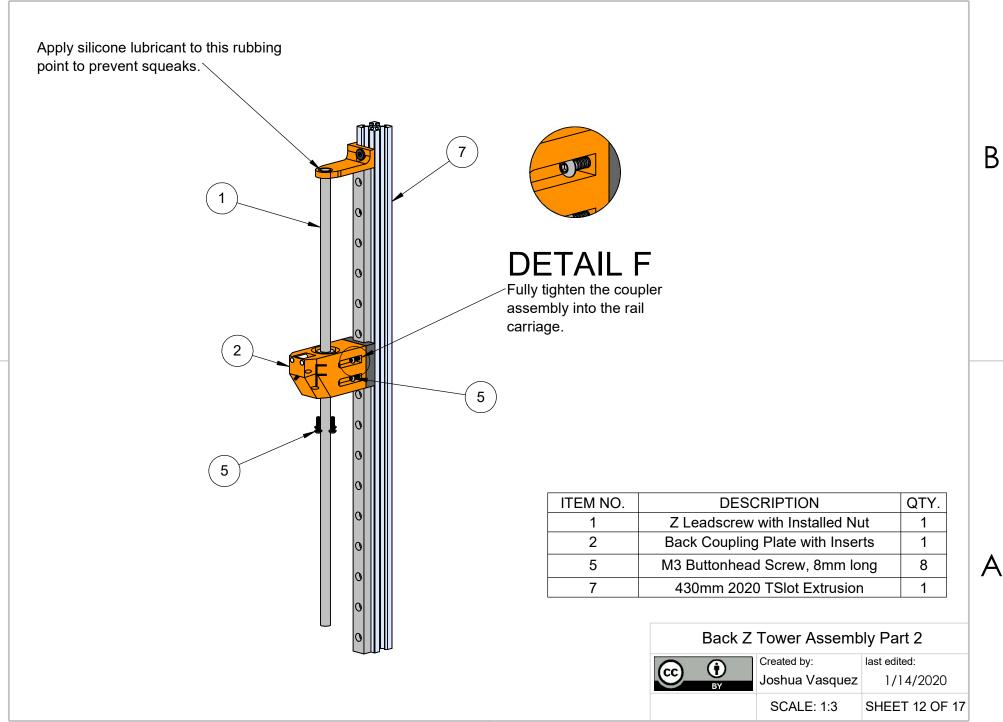
ITEM NO.	DESCRIPTION	
4	M3 Buttonhead Screw, 8mm long	8
5	Left Coupler Assembly with Leadscrew	1
6	Right Coupler Assembly with Leadscrew	1
7	Extrusion Assembly with Rail	2
10	Front Left Leadscrew Retainer Assembly	1

Front Z	l ower A	Assemb	ly Part 2

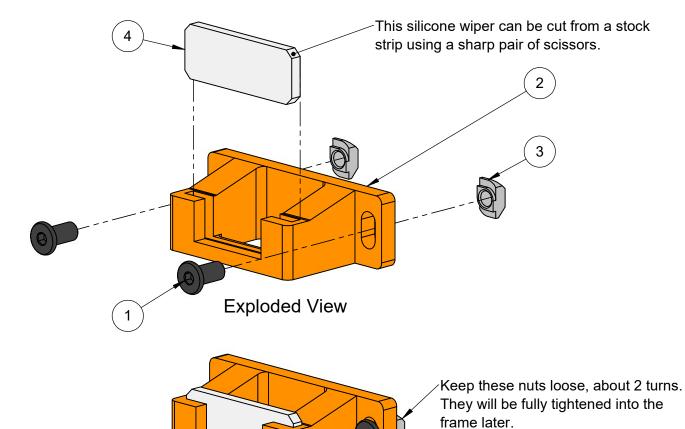
	Created by:	last edited:
CC BY	Joshua Vasquez	1/14/2020
	SCALE: 1:3	SHEET 10 OF 17







Make one assembly per tool. The remaining instructions depict a setup with two tools.



Assembled View

ITEM NO.	DESCRIPTION	
1	M5 Buttonhead Screw, 10mm long	2
2	Ooze Wiper	1
3	M5 Drop-In T-Nut for 20x20 Extrusion	2
4	15mm x 40mm Silicone Wiper	1

Extruder Wiper Assembly			
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		SCALE: 1:1	SHEET 13 OF 17

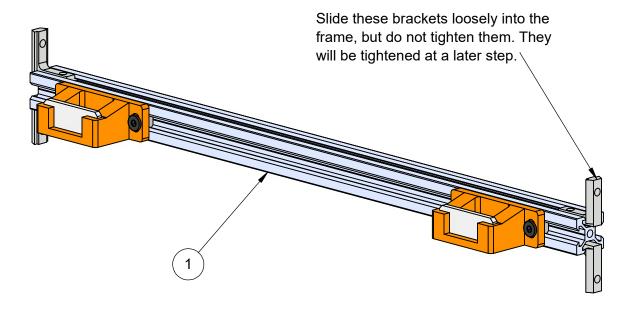
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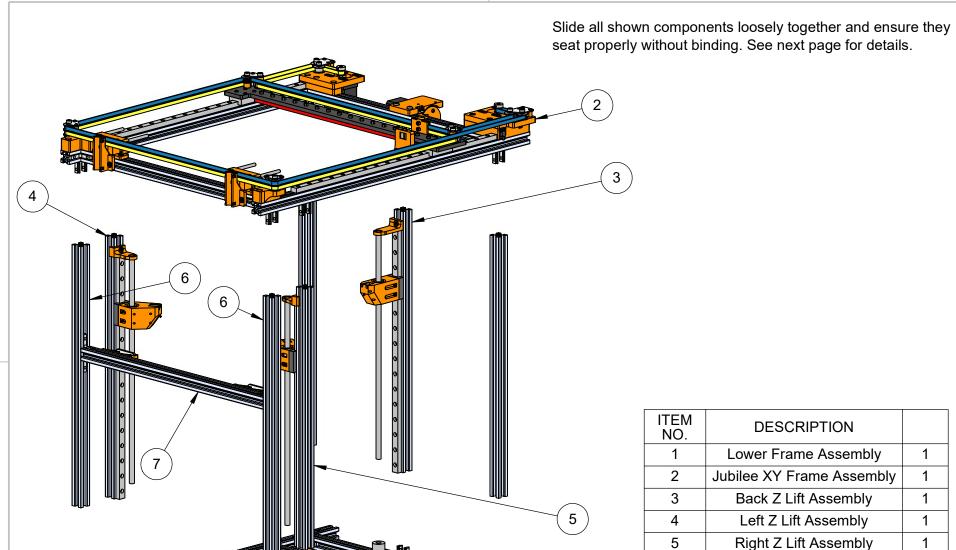
ITEM NO.	DESCRIPTION	QTY.
1	409mm TSlot Extrusion	1
2	Interior Inside Corner Bracket	4
3	Extruder Wiper Assembly	2

Ooze Control Assembly

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(i)	Created by:	last edited:
BY	Joshua Vasquez	1/14/2020
	SCALE: 1:2	SHEET 14 OF 17





ITEM NO.	DESCRIPTION	
1	Lower Frame Assembly	1
2	Jubilee XY Frame Assembly	1
3	Back Z Lift Assembly	1
4	Left Z Lift Assembly	1
5	Right Z Lift Assembly	1

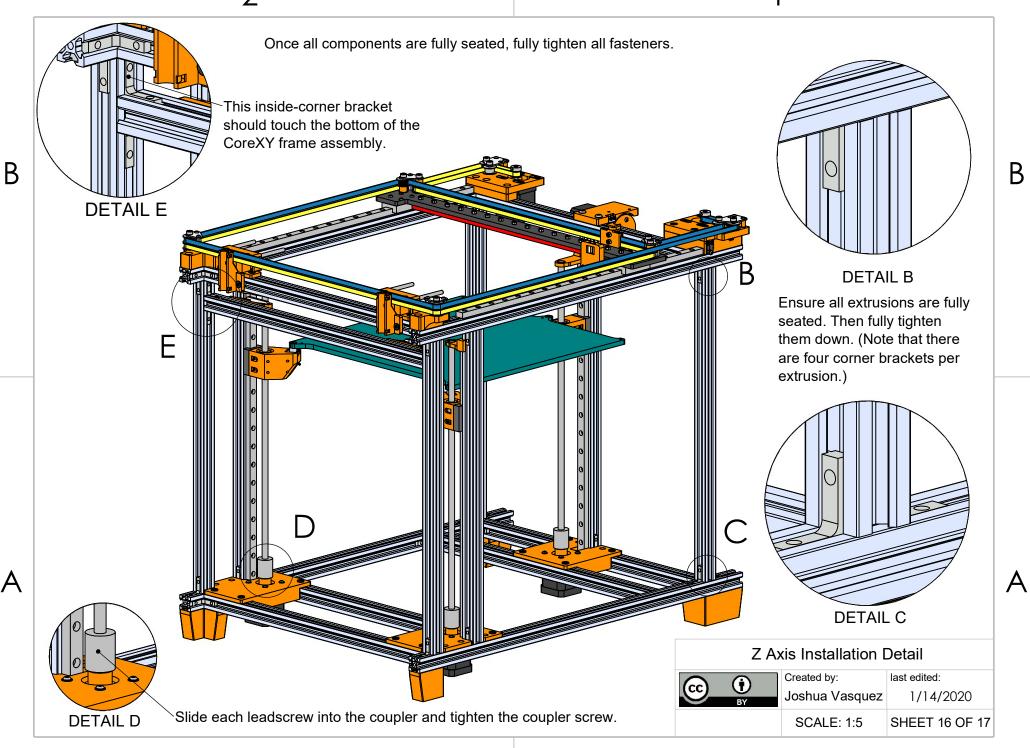
Z Axis Installation			
<u></u>	(i) BY	Created by: Joshua Vasquez	last edited: 1/14/2020
		SCALE: 1:6	SHEET 15 OF 17

430mm 2020 TSlot Extrusion

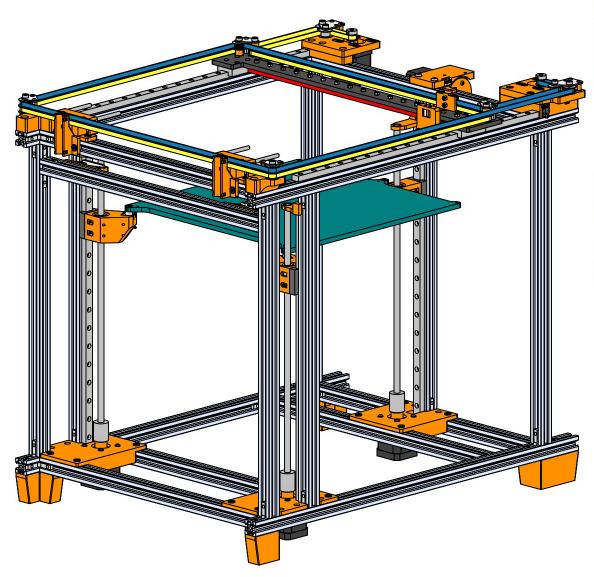
Ooze Control Assembly

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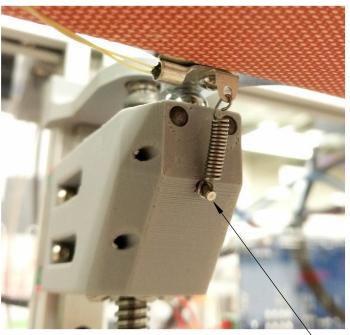
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Install the bed plate assembly by seating it into the coupling. It should slide into the proper position.



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Loop the dangling springs into the M2 screws. Use either the pliers or the smallest Hex Key to snag the lower loop and seat it onto the anchor point.

Do NOT use your fingers as the springs are both a pinch and poke hazard.

Bed Plate Installation

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SCALE: 1:5

SHEET 17 OF 17

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