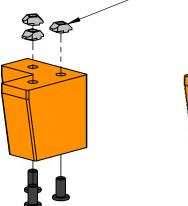
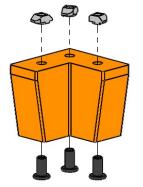
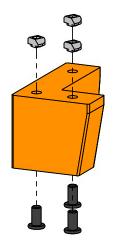
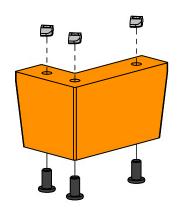


Populate all screw holes with screws and nuts Keep all nuts loose. Only 1-2 turns. They will be fully tightened into the frame later.







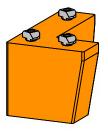


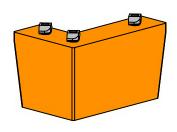
В

Exploded Views









Assembled Views

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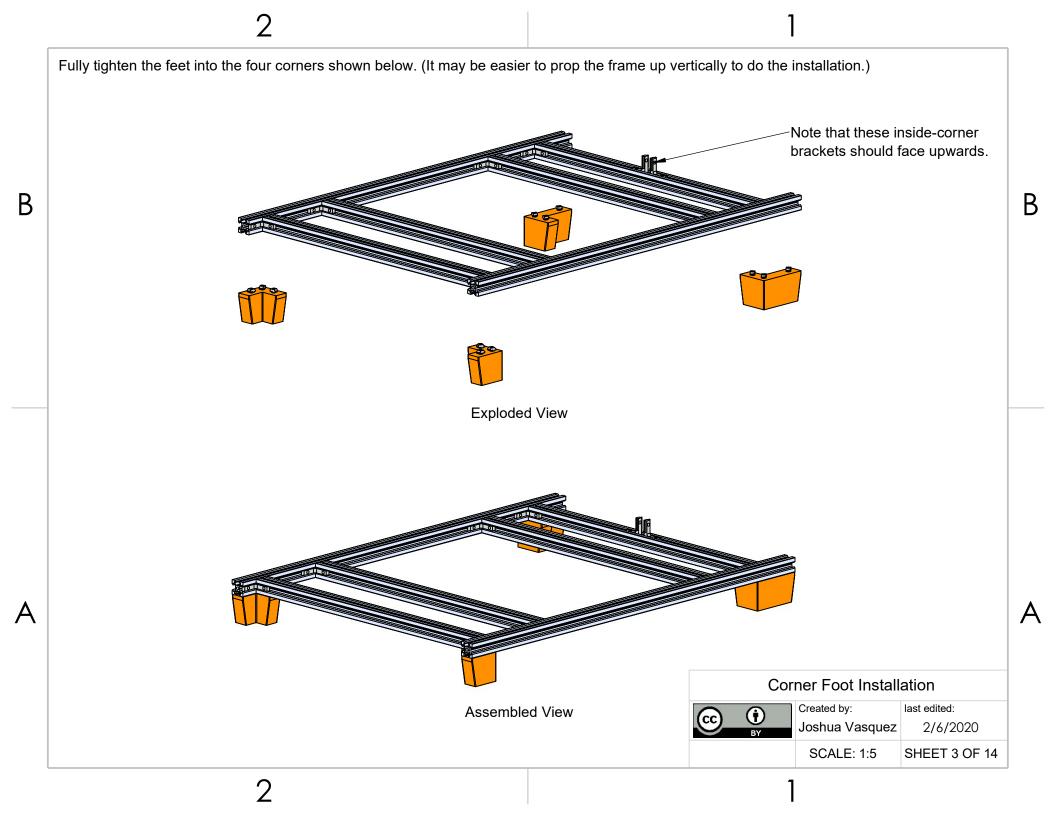
В

ITEM NO.	DESCRIPTION	QTY.
1	Back Right Foot	1
2	Back Left Foot	1
3	Front Right Foot	1
4	Front Left Foot	1
5	M5 Drop-In T-Nut for 20x20 Extrusion	12
6	M5 Buttonhead Screw, 10mm long	12

Foot Screw Installation			
Created by: last edited:			
	BY	Joshua Vasquez	2/6/2020
		SCALE: 1:2	SHEET 2 OF 14

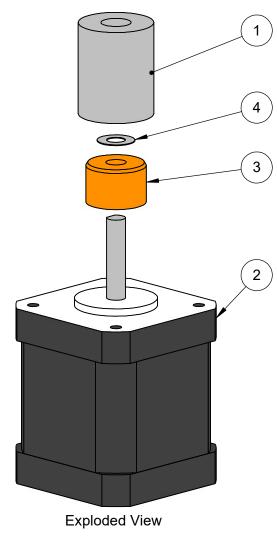
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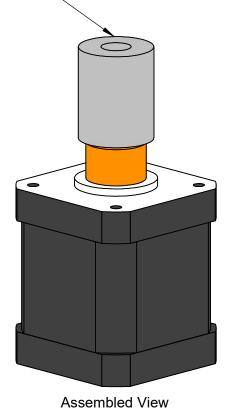
Make 3 Assemblies.

В



ITEM NO.DESCRIPTIONQTY.15mm to 8mm flexible plumb coupler12Nema 17 Stepper Motor13Z Thrust Bearing Spacer14M5 Shim, 0.2mm thick1

With one hand, compress the coupler onto the motor shaft to remove any space on the motor shaft. Securely screw down the coupler in this configuration.

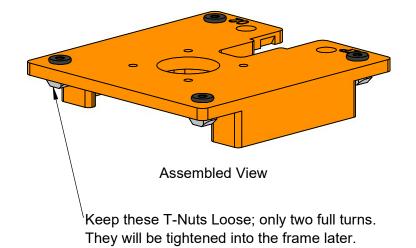


В

Z Motor Thrust Coupling Assembly

<u></u>	(i) BY	Created by: Joshua Vasquez	last edited: 2/6/2020
		SCALE: 1:1	SHEET 4 OF 14

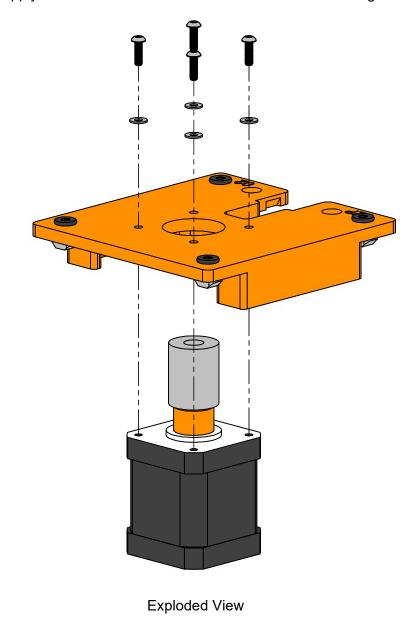
Exploded View



ITEM NO.	DESCRIPTION	QTY.
1	M5 Buttonhead Screw, 10mm long	4
2	Back Z Motor Plate	1
3	M5 Drop-In T-Nut for 20x20 Extrusion	4

Back Z Motor Plate Assembly 1				
CC	Created by: last edited: Joshua Vasquez 2/6/2020			
SCALE: 1:1.5 SHEET 5 OF 14				

Apply a dab of threadlock to the four M3 screws before tightening them down securely.



Assembled View

ITEM NO.	DESCRIPTION	
2	M3 Buttonhead Screw, 10mm long	
3	Back Plate Plate Assembly	1
5	Z Motor Thrust Coupling Assembly	1
6	M3 Washer	4

			_	
Back Z	Motor	Plate	Assen	nblv 2

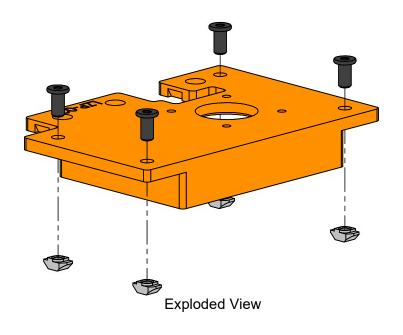
<u></u>	(i) BY	Created by: Joshua Vasquez	last edited: 2/6/2020
		SCALE: 1:1.5	SHEET 6 OF 14

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В



Assembled View

Keep these T-Nuts Loose; only two full turns. They will be tightened into the frame later.

ITEM NO.	DESCRIPTION	QTY.
1	M5 Buttonhead Screw, 10mm long	4
2	Front Left Z Motor Plate	1
3	M5 Drop-In T-Nut for 20x20 Extrusion	4

Front Left Z Plate Assembly 1					
<u>CC</u>	()	loshua \/asquez \ 2/6/2020			
		SCALE: 1:1.5	SHEET 7 OF 14		

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Apply a dab of threadlock to the tip of the four M3 screws before tightening them down securely. Motor wires should poke up and out from this cavity. В Assembled Top View Scale 1:2 Wires should stick out in this direction. Assembled View **Exploded View** Front Left Z Plate Assembly 2 ITEM NO. QTY. **DESCRIPTION** M3 Buttonhead Screw, 10mm long last edited: Created by:

2

Z Motor Thrust Coupling Assembly

M3 Washer

5

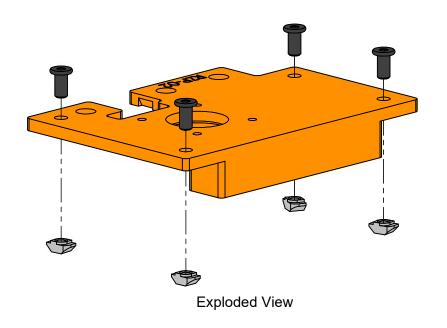
6

Joshua Vasquez

SCALE: 1:1.5

2/6/2020

SHEET 8 OF 14





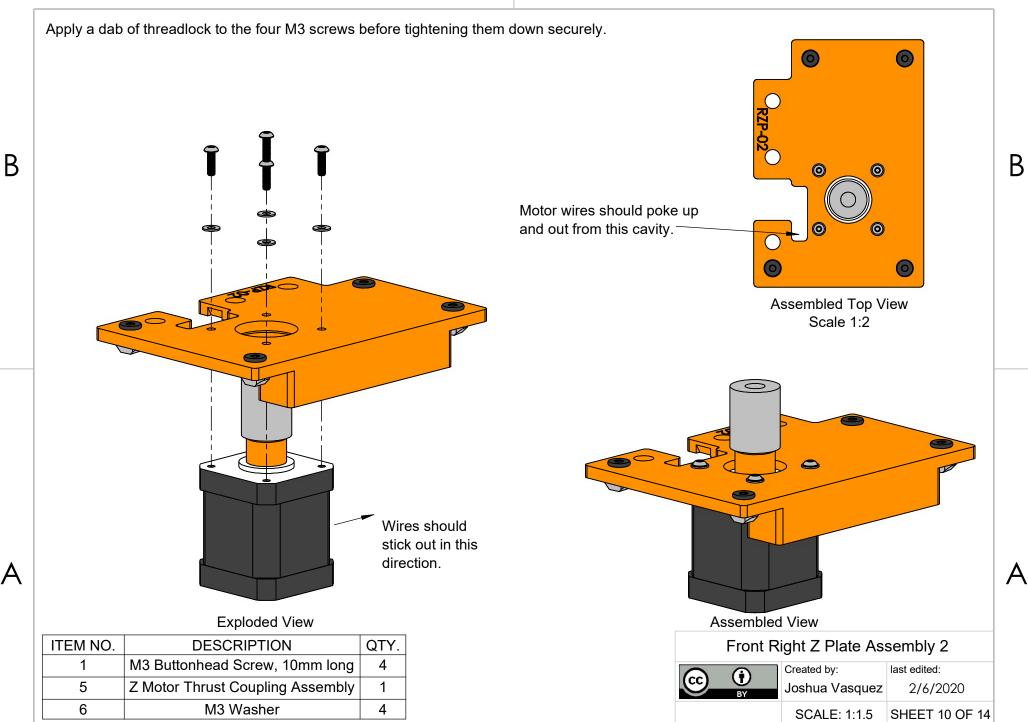
ITEM NO.	DESCRIPTION	QTY.
1	M5 Buttonhead Screw, 10mm long	4
2	Front Right Z Motor Plate	1
3	M5 Drop-In T-Nut for 20x20 Extrusion	4

CC	(i) BY	Created by: Joshua Vasquez	last edited: 2/6/2020
		SCALE: 1:1.5	SHEET 9 OF 14

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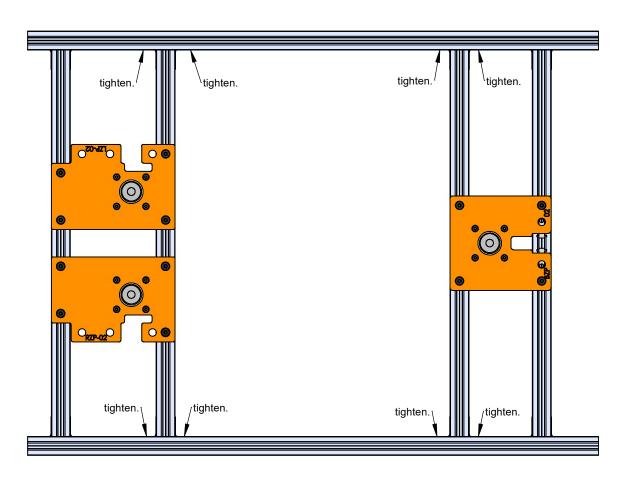




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Load the Z Motor Plates into the frame to set the spacing of the internal loose extrusions. Push these internal extrusions into the plates and fully tighten the 8 inside corner brackets shown below.

В

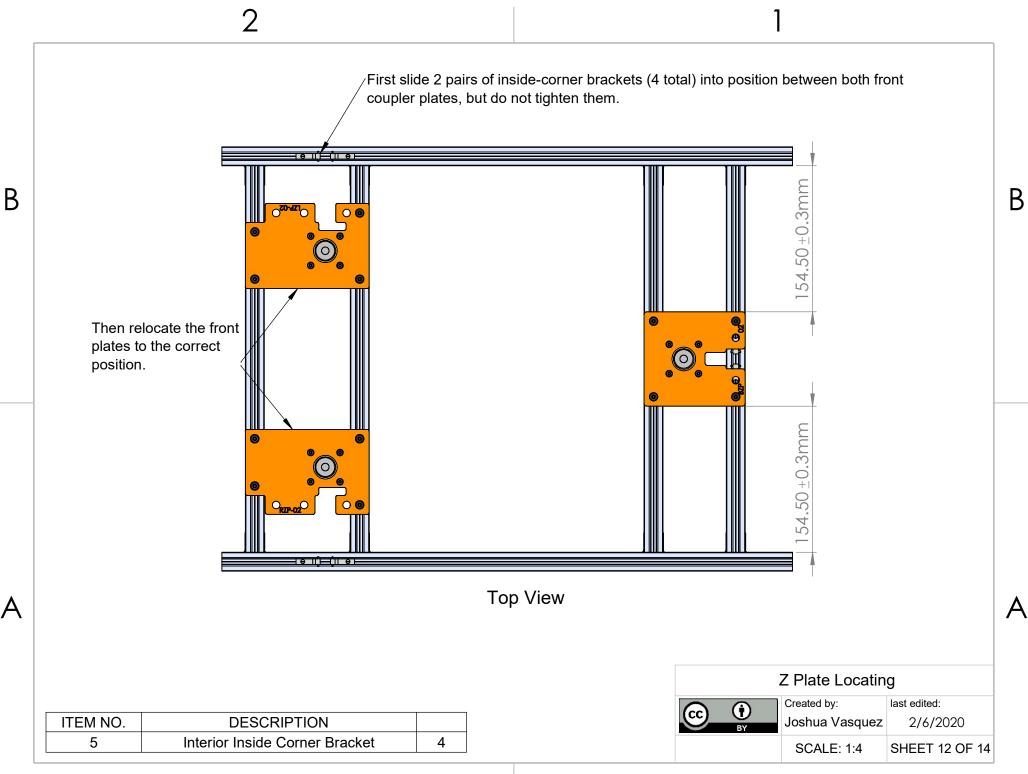


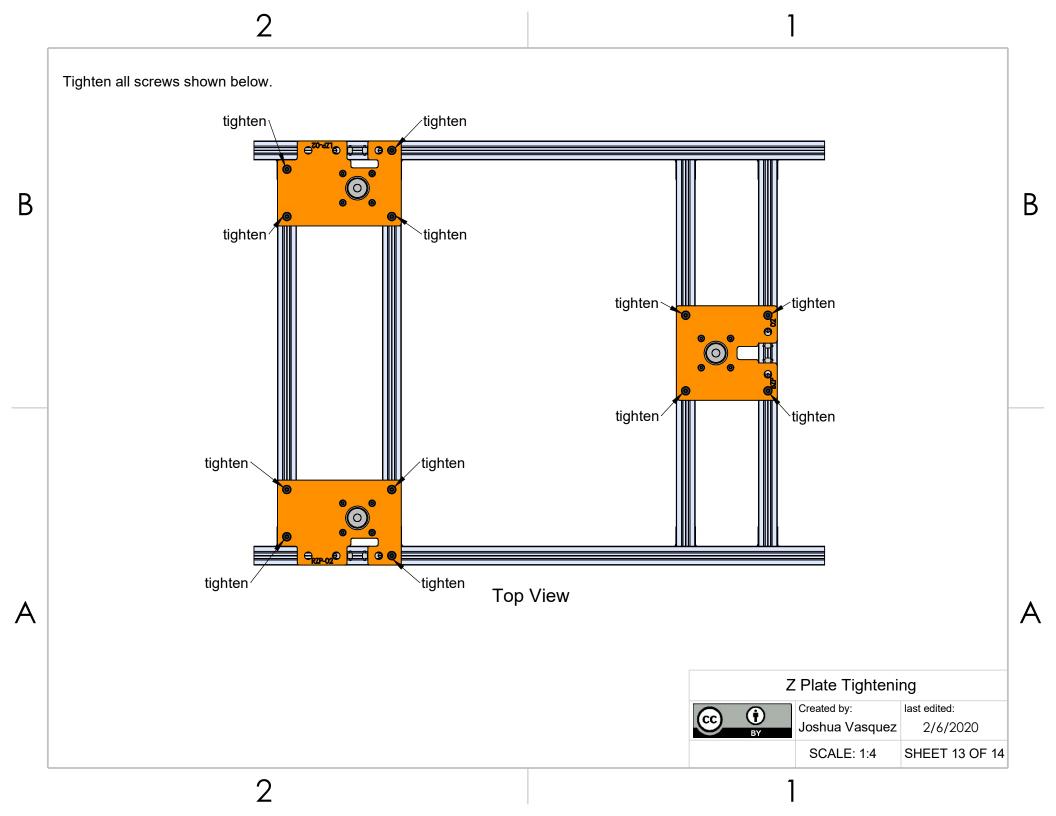
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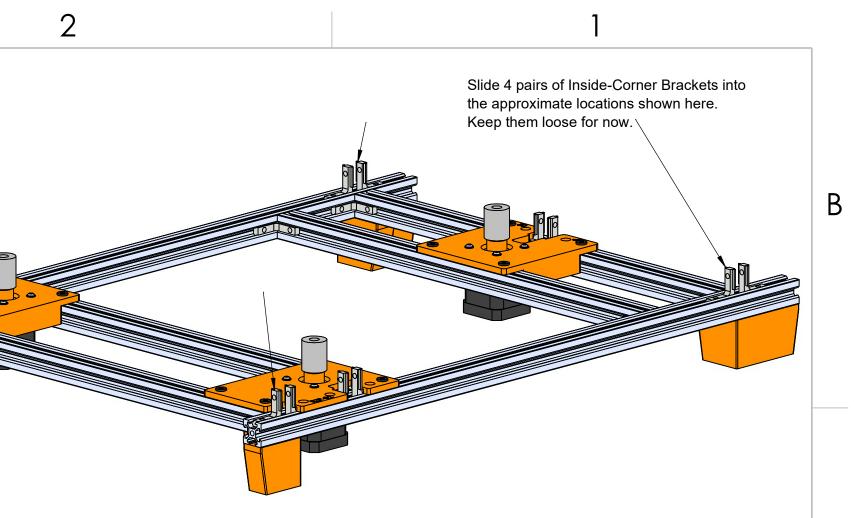
Top View

ITEM NO.	DESCRIPTION	
1	Base Frame Assembly with Feet	1
2	Back Z Plate Assembly	1
3	Front Left Z Plate Assembly	1
4	Front Right Z Plate Assembly	1

Internal Extrusion Alignment			
CC	(i) BY	Created by: Joshua Vasquez	last edited: 2/6/2020
		SCALE: 1:4	SHEET 11 OF 14







The Lower Frame Assembly is complete!

Z	7
	7

В

ITEM NO.	DESCRIPTION	
5	Interior Inside Corner Bracket	8

Inside Corner Bracket Installation			
		Created by:	last edited:
	BY	Joshua Vasquez	2/6/2020
		SCALE: 1:3	SHEET 14 OF 14