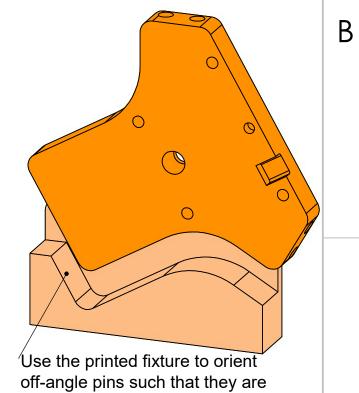


Press-fit each dowel pin into each socket until it is flush with the surface as shown below.

ITEM NO.	DESCRIPTION	QTY.
1	Coupling Plate	1
2	M4 Dowel Pin, 20mm long	6
3	Pin Insertion Fixture	1

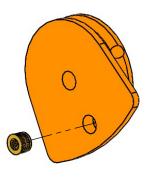


Coupling Plate Assembly				
Created by: last edited:  Joshua Vasquez 10/10/2019				
		SCALE: 1:1	SHEET 2 OF 7	

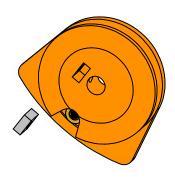
aligned vertically with the arbor press.

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Step 1: Install the heat-set insert with the plate-press technique.



Step 2: Press-fit the square nut such that it is flush with the top face.



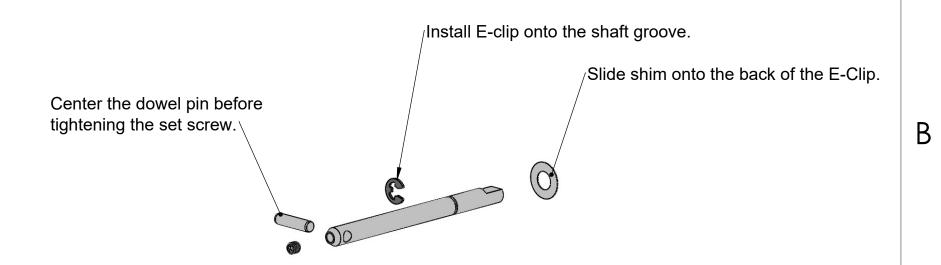


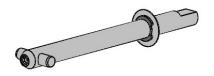
Step 3: Loosely install both screw components such that they engage the threads. The set screw should not peek out into the center hole. The buttonhead screw will be tightened later.

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ITEM NO.	DESCRIPTION	QTY.
1	Tool Lock Pulley	
2	M3 Square Nut	1
3	M3 Buttonhead Screw, 6mm long	1
4	4 M3 Tapered Heat Set Insert	
5	M3 Set Screw, 8mm long	1

Pulley Assembly			
Created by: last edited:  Joshua Vasquez 10/10/20			
	SCALE: 1:1	SHEET 3 OF 7	





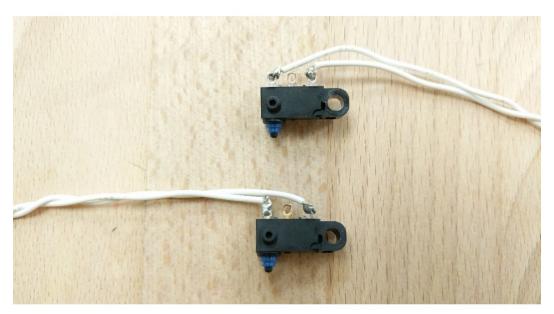
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ITEM NO.	DESCRIPTION	QTY.
1	Tool Lock Shaft	1
2	M3 12mm dowel pin	1
3	M3 Set Screw, 3mm long	1
4	E-Clip	1
5	M5 Shim, 0.2mm thick	1

Twist Lock Assembly			
(3)	<b>(i)</b>	Created by: Joshua Vasquez	last edited: 10/10/2019
		SCALE: 1:1	SHEET 4 OF 7

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(Optional: twist the wires into two pairs for easier cable management.)

Solder two wires to the outer ends of each limit switch with the wires bent in the directions shown above. Note that the direction is different for each limit switch!

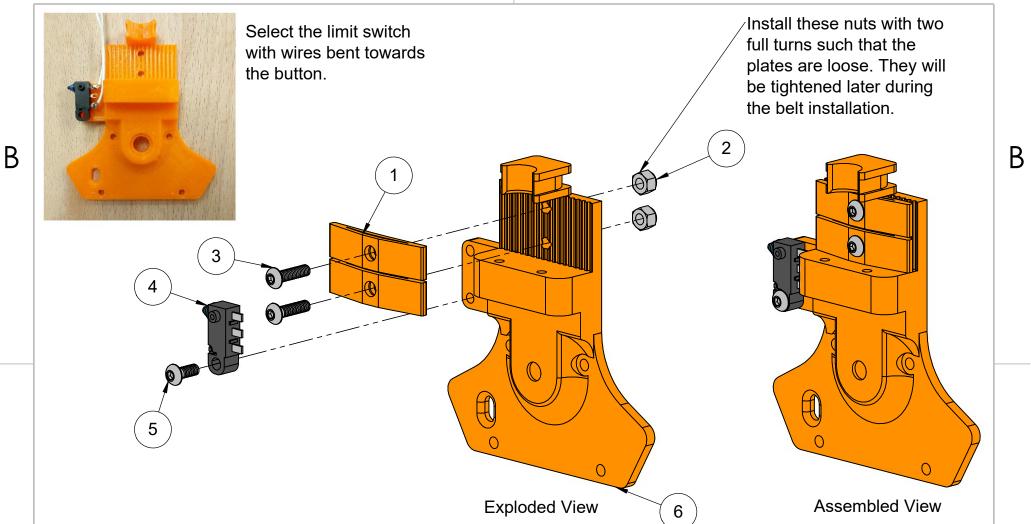
Α

	Wiring Installation			
CC	<b>(i)</b> BY	Created by: Joshua Vasquez	last edited: 10/10/2019	
		SCALE: 1:1	SHEET 5 OF 7	

В

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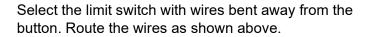


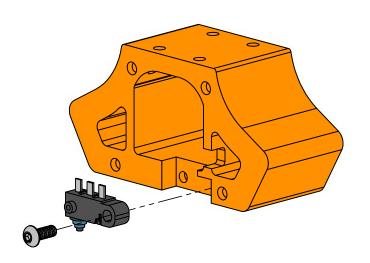
ITEM NO.	DESCRIPTION	QTY.
1	Belt Clasp	2
2	M3 Locknut	2
3	M3 Buttonhead Screw, 12mm long	2
4	Dust-Proof Limit Switch	1
5	M3 Buttonhead Screw, 8mm long	1
6	Carriage Back Plate	1

Carriage Back Plate Assembly			
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		SCALE: 1:1	SHEET 6 OF 7

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Set all completed subassemblies aside for installation on the CoreXY frame at a later step.

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ITEM NO.	DESCRIPTION	QTY.
1	Dust-Proof Limit Switch with wires installed	1
2	M3 Buttonhead Screw, 8mm long	1
3	Carriage Center Plate	1

Carriage Center Assembly					
<u></u>	<b>(i)</b>	Created by: Joshua Vasquez  last edited: 10/10/2019			
		SCALE: 1:1	SHEET 7 OF 7		

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