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Note: There are three variants of this subsystem.

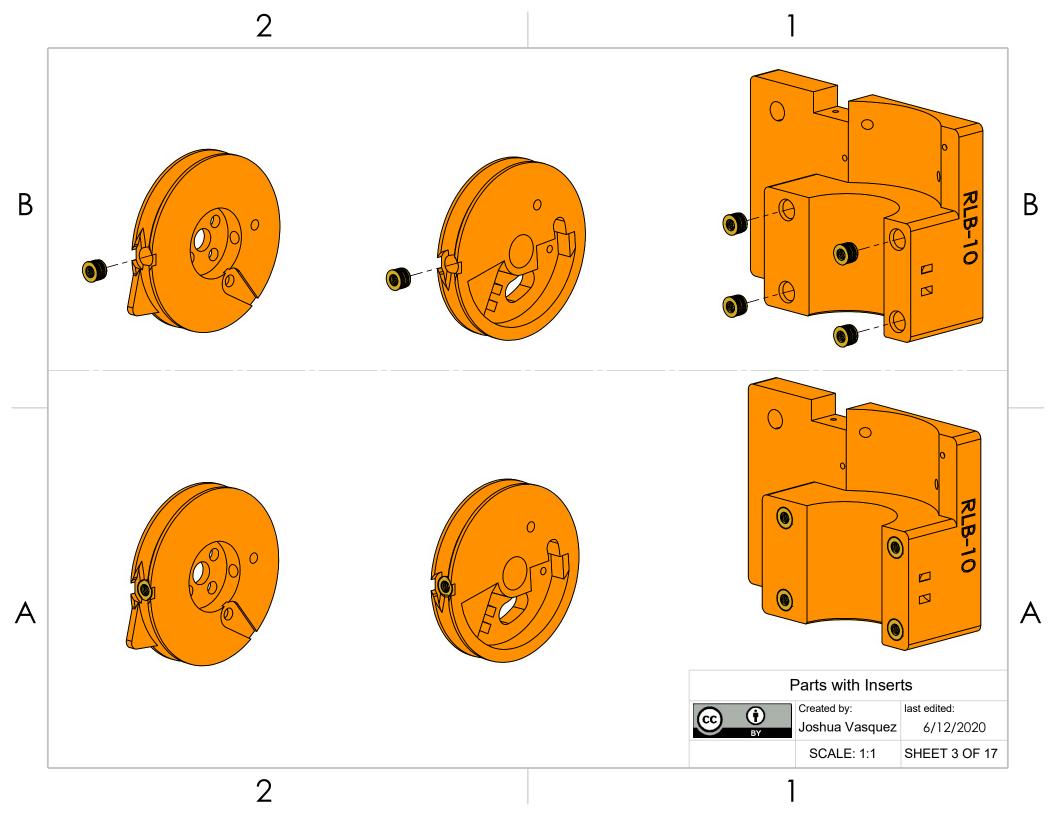
- RLB-09 for Jubilee
 - use an LDO motor
- RLB-09S for Jubilee

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- uses a StepperOnline motor
- RLB-09RC for the Railcore
 - uses an LDO motor

Each variant has a unique base plate. RLB-09S uses a unique base plate and motor clip. Make sure you've printed the parts that correspond to your motor.

	Variants				
<u> </u>		Created by: Joshua Vasquez	last edited: 6/12/2020		
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¹With a set of Needle nose pliers, bend the terminal lug upwards about 90 degrees along this line. Do this for both terminal lugs.

ITEM NO.	DESCRIPTION	QTY.
1	M3 Solder Terminal Lug	2

2

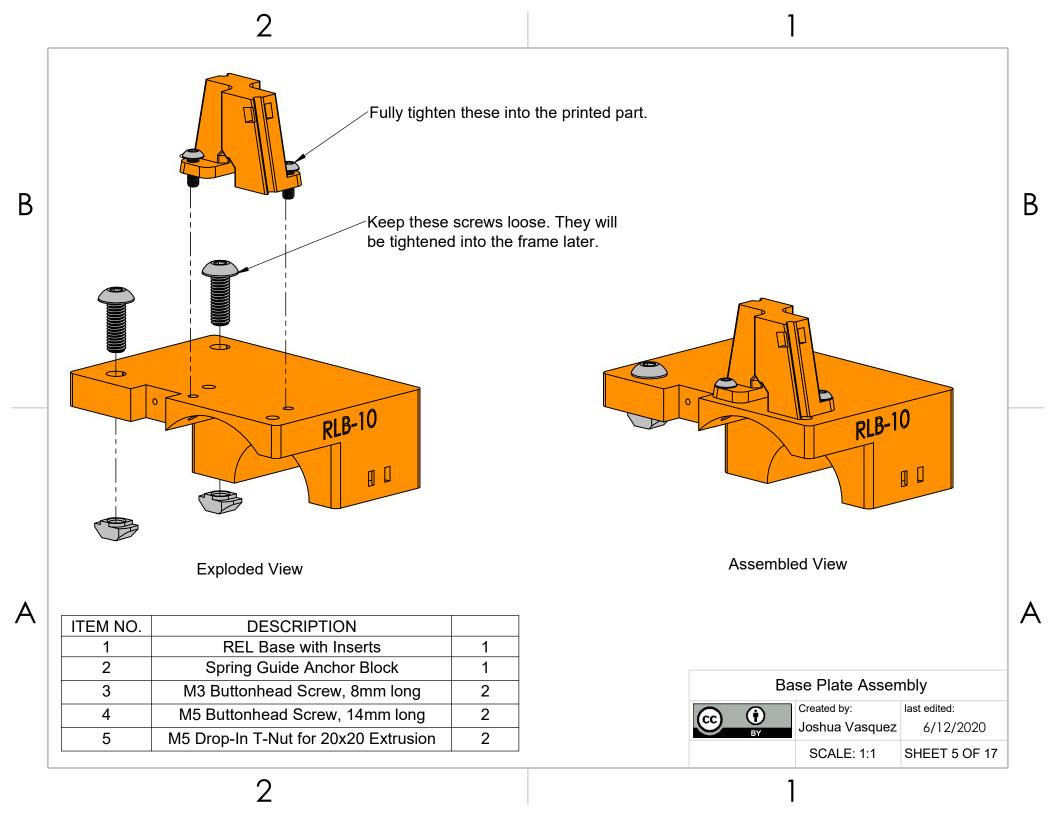
2

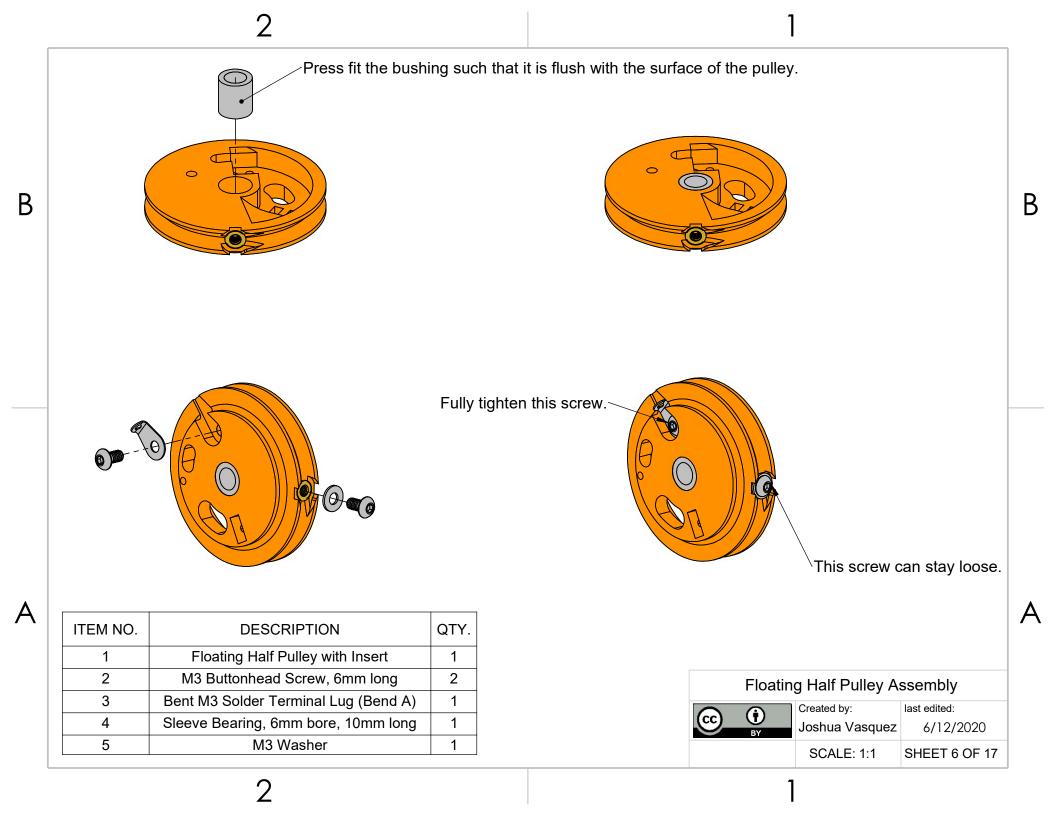
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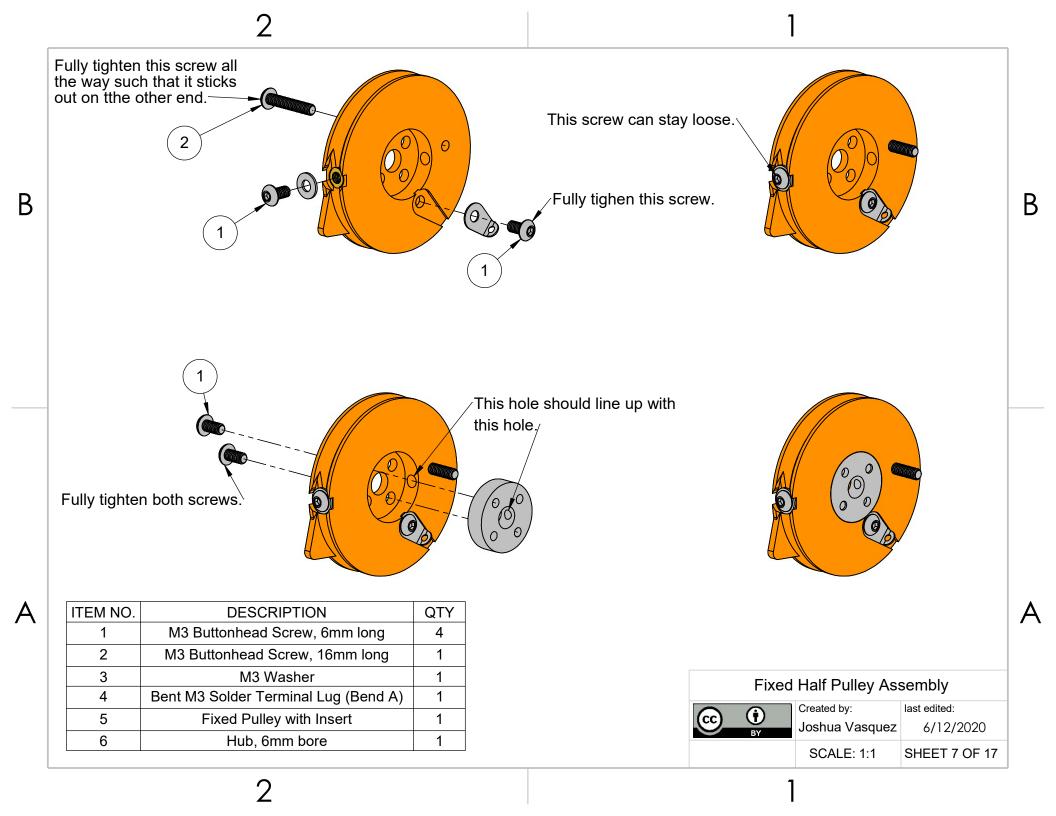
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Part Prep				
CC I	Created by: Joshua Vasquez	last edited: 6/12/2020		
	SCALE: 2:1	SHEET 4 OF 17		

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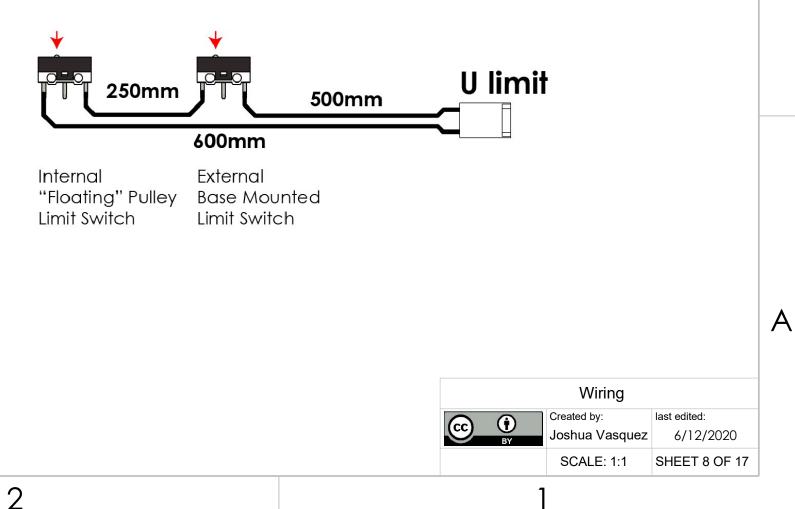




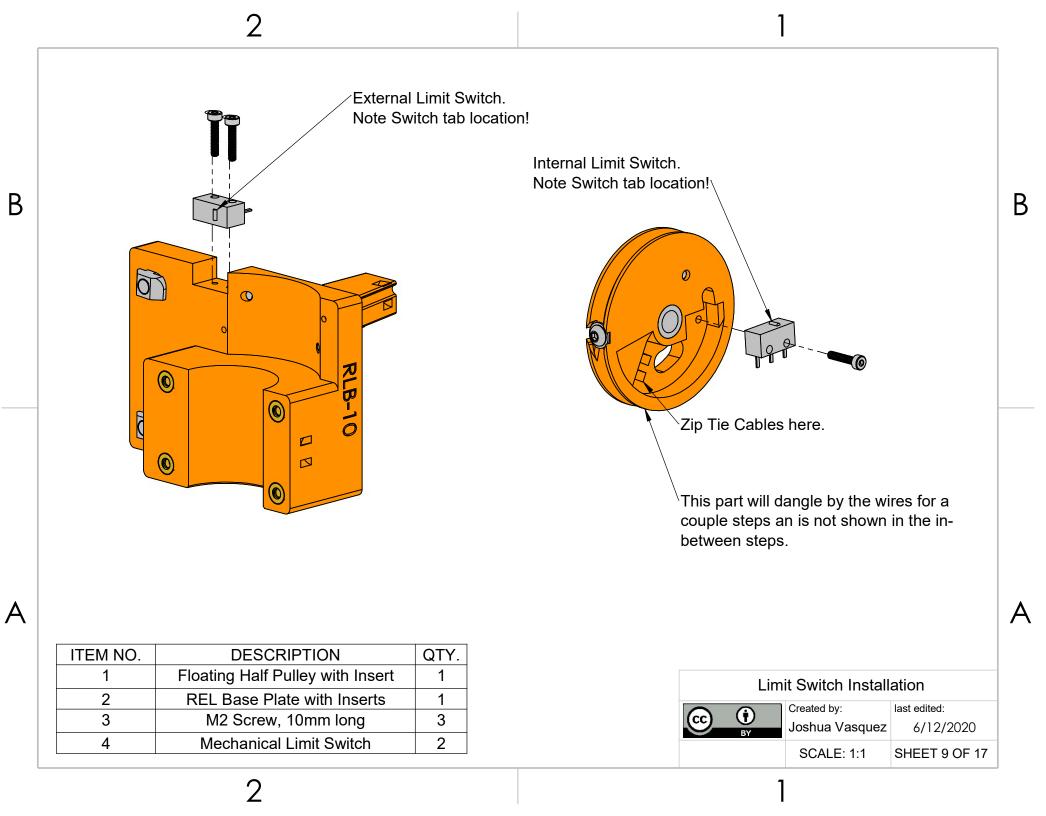
Solder together the following limit switch harness. Optional: insulate the solder connections with heat-shrink tubing.

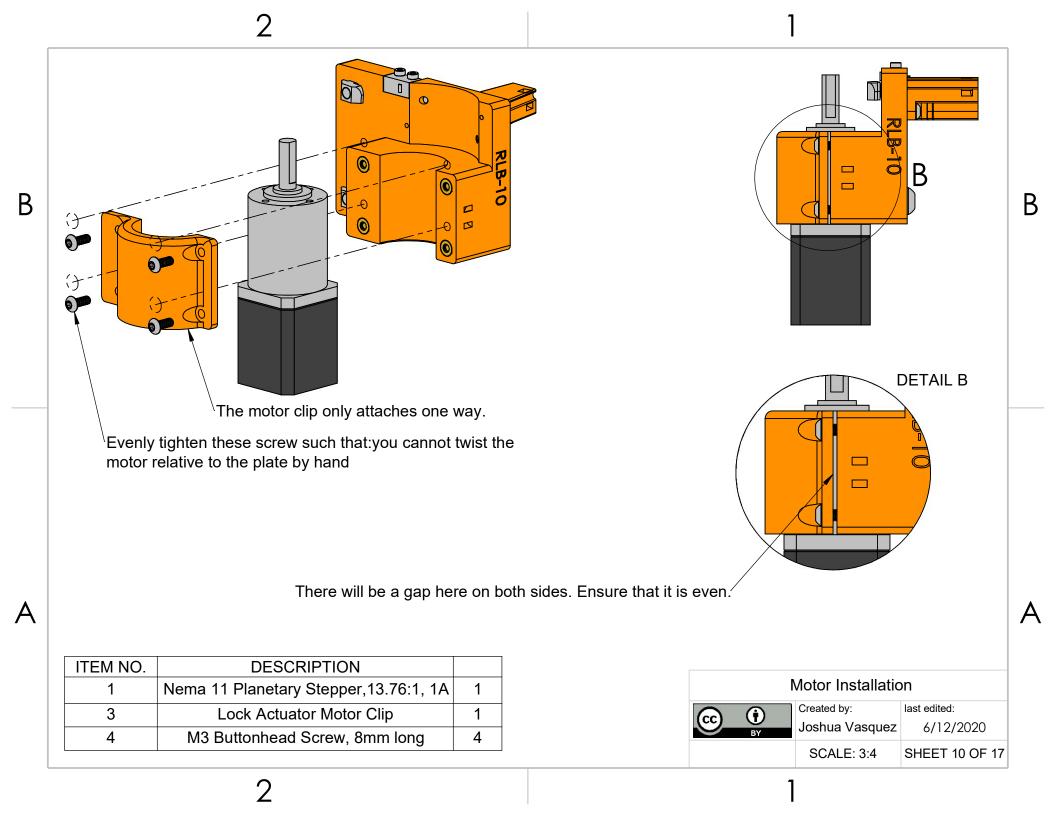
Note wire lengths with respect to switch buttons. Note: the KK Connector is included in the Duet2 box.

24-26AWG all limit switch wires



В





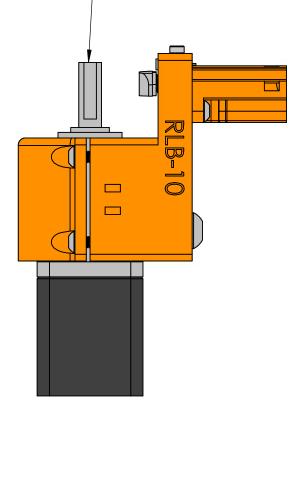


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By hand, turn the motor shaft such that the flat part faces the orientation with the part number as shown here.

2

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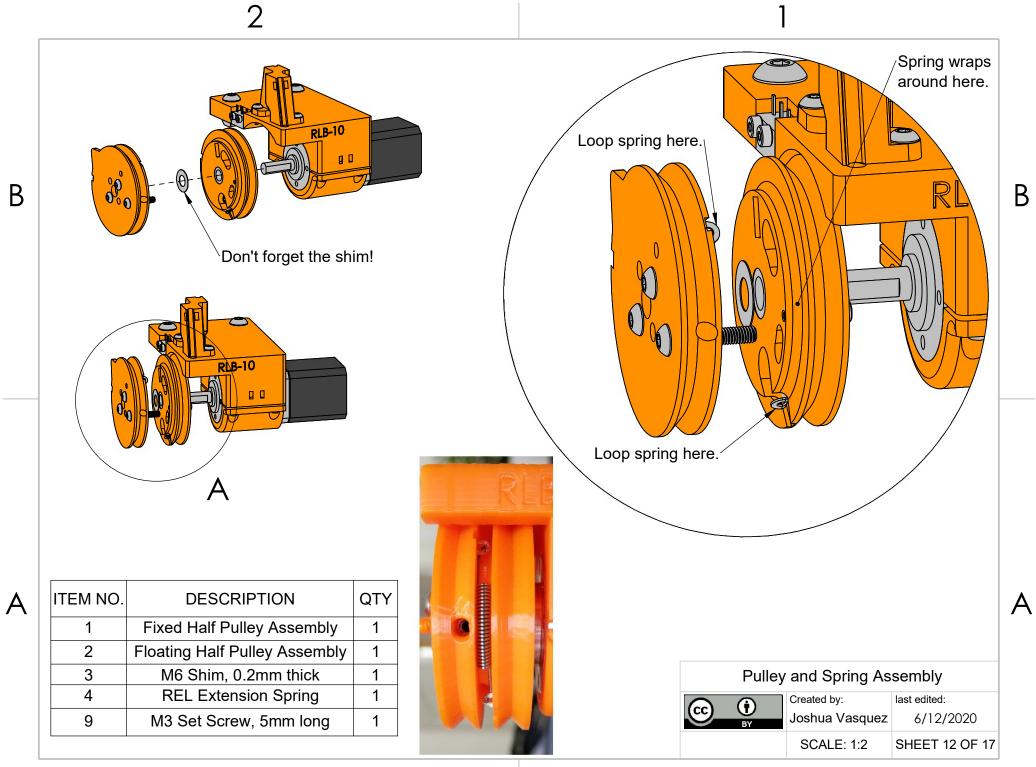
Created by: Lochua Vasquaz (12/202

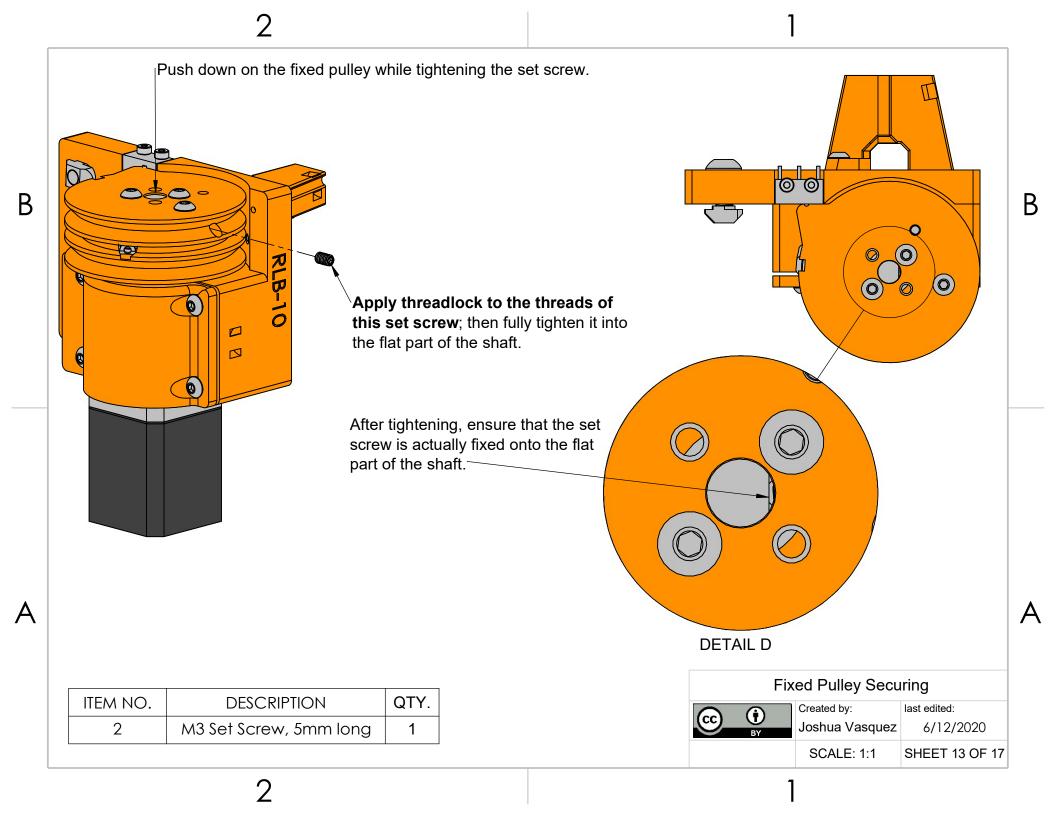
BY JOSH

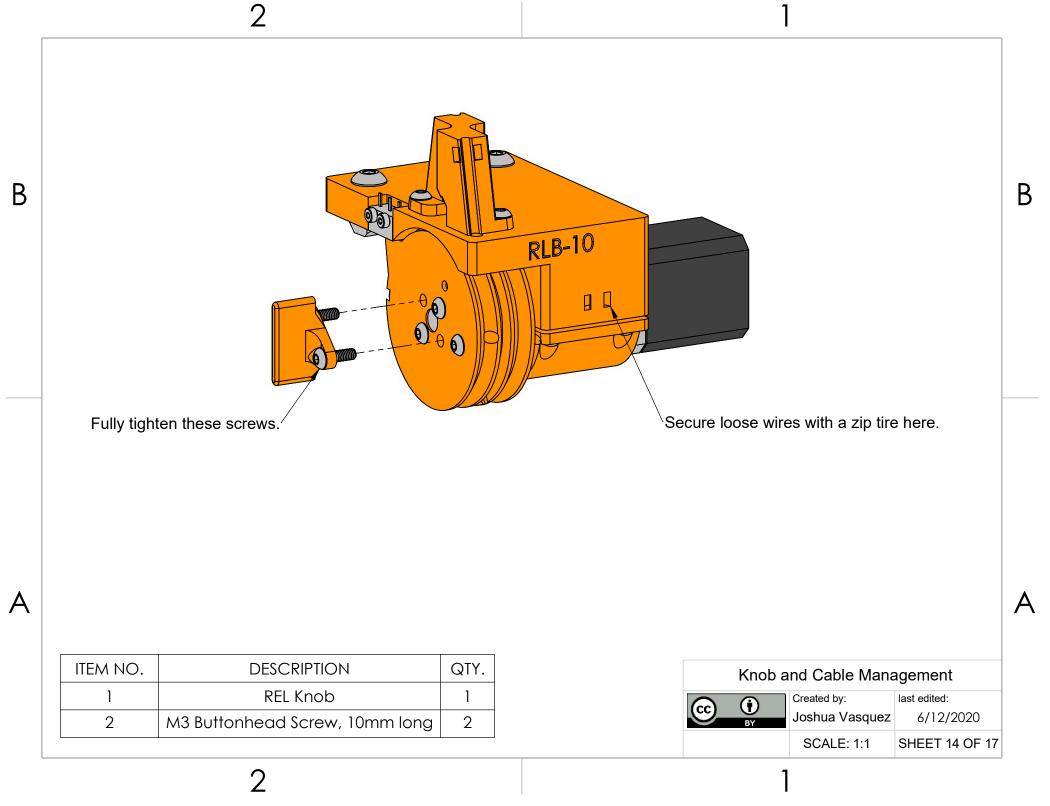
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Joshua Vasquez 6/12/2020 SCALE: 1:1 SHEET 11 OF 17 В





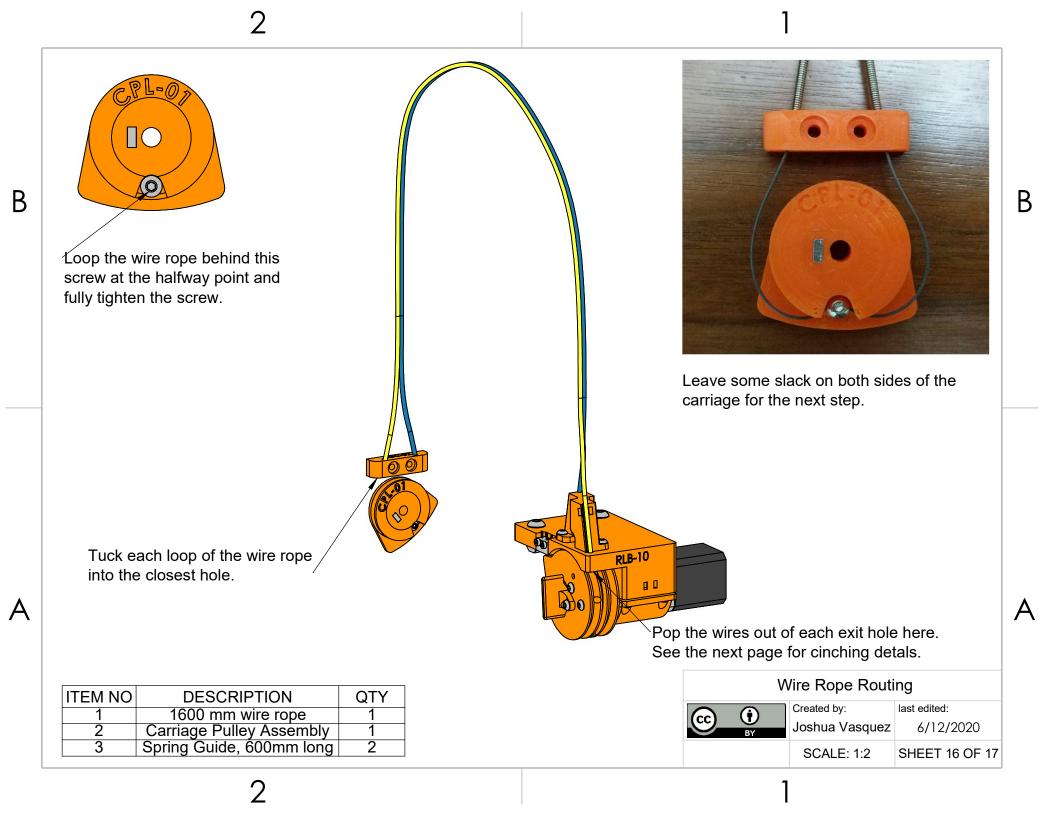


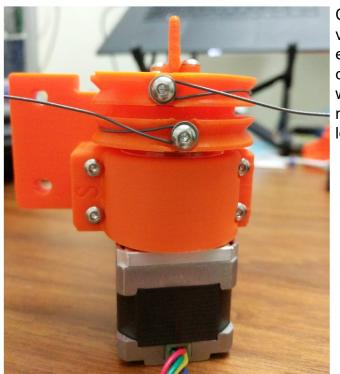
2 Note: this is just a schematic representation. Join these parts loosely together on a flat table following the color coding. Note: tape the spring guide to the table for ease of assembly. These two pieces can be sleeved together in a nylon sleeving, but leave at least 100mm exposed on th carriage side and 150mm exposed on the Lock side. Push each spring guide into the printed part until they hard-stop at about 10mm deep. Push each Spring Guide into the hole until it hard-stops. Then apply two zip ties to secure each spring guide at the locking side.. RLB-10 0 **ITEM NO** QTY DESCRIPTION Spring Guide Installation 1600 mm wire rope 1 1 Created by: last edited: Carriage Pulley Assembly Spring Guide, 600mm long $(\mathbf{\hat{I}})$ 2 1 (cc Joshua Vasquez 6/12/2020 3 2 Optonal: Braided Cable Sleeving 350mm long 4 1 SCALE: 1:2 **SHEET 15 OF 17**

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Cinch both wire rope ends down very lightly (upper left image), just enough such that the wire rope cannot pop out. The location of where they are cinched doesn't matter now as they will be properly located later.



2

Once the wires are cinched, you may optionally take in the slack until there is no more excess wire rope on the carriage side (left image), but do not put tension into either side of the rope. This setup makes it easier to install on the machine later.

Wire Rope Termination

RLB-10

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