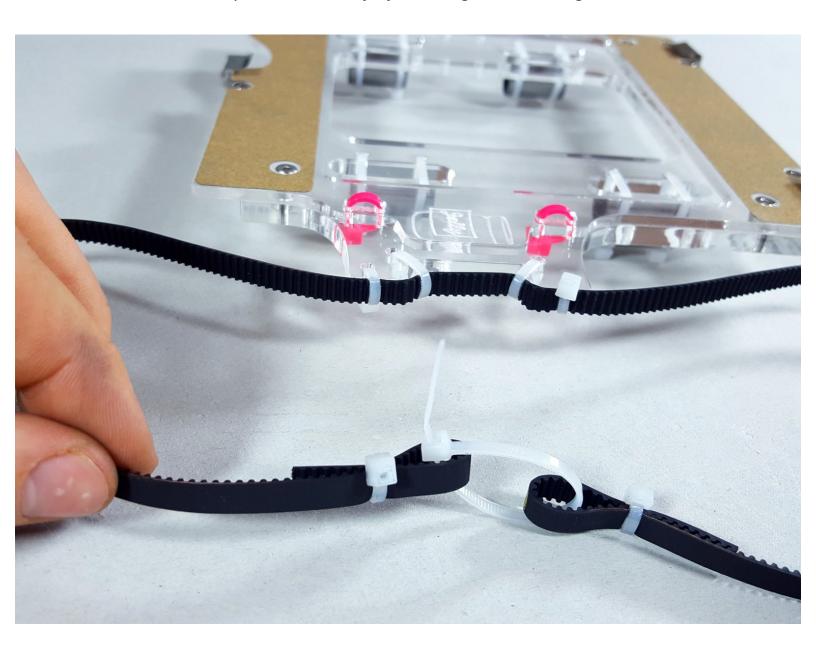
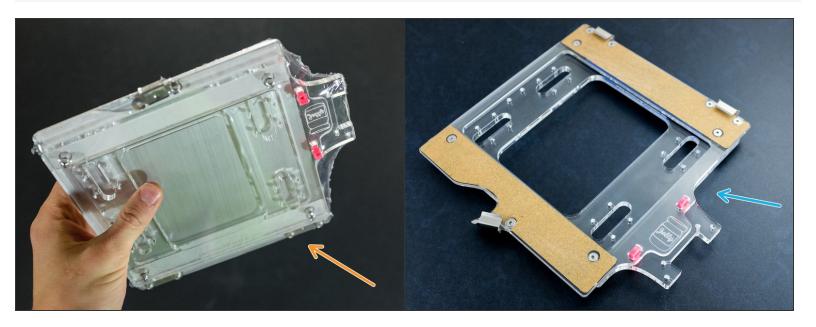


Assemble the Y Assembly

We'll finish up the Y assembly by installing linear bearings and a belt.



Step 1 — 4 The Build Plate

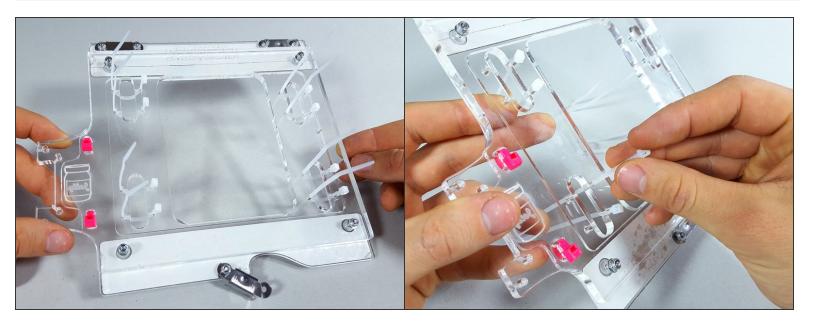


- Note that the Y assembly comes packaged with the aluminum build plate.
- Remove the build plate for now, or it will be difficult to attach the bearings.

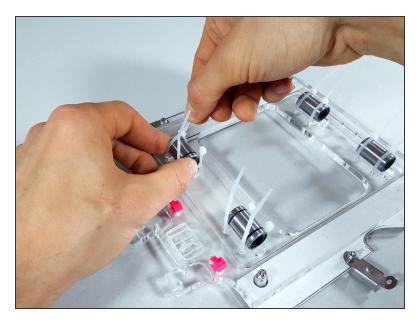
Step 2 — 4 Linear Bearings



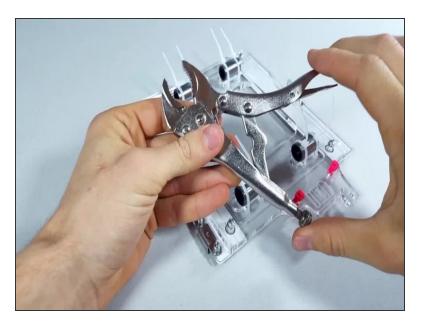
- Partially pre-assembled build platform
- Linear bearings (4)
- 4" Zip ties



- Thread all 4" zip ties into the holes around the edges of all slots.
- It's important the zip tie heads are on the bottom of the assembly.

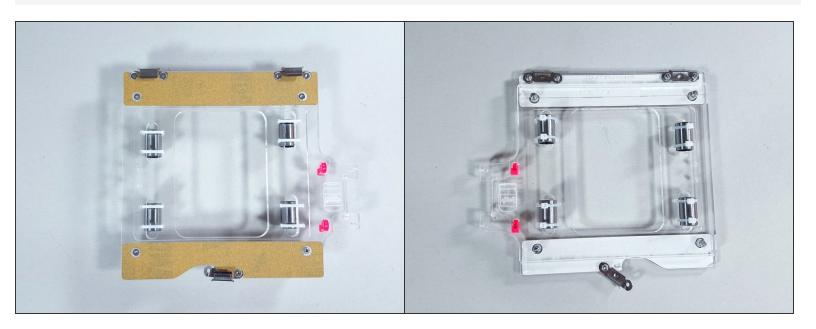


- Drop in the bearings.
- Tighten with your hand first (it's fast.)
- All the heads of the zip ties should end up on the bearings. (Else it's impossible to properly tighten the zip ties later.)



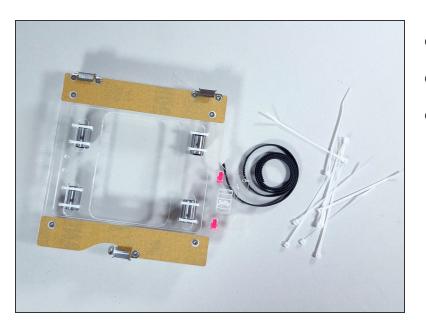
- Tighten the zip ties with vise grips.
- The proper tightening motion first pulls and stretches the zip tie upwards, and then pulls back.

Step 6

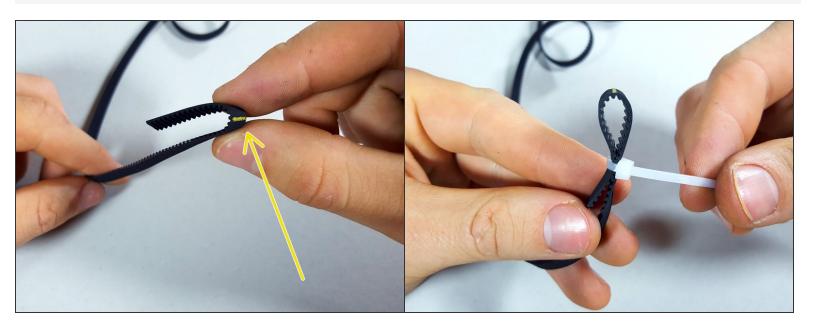


Done.

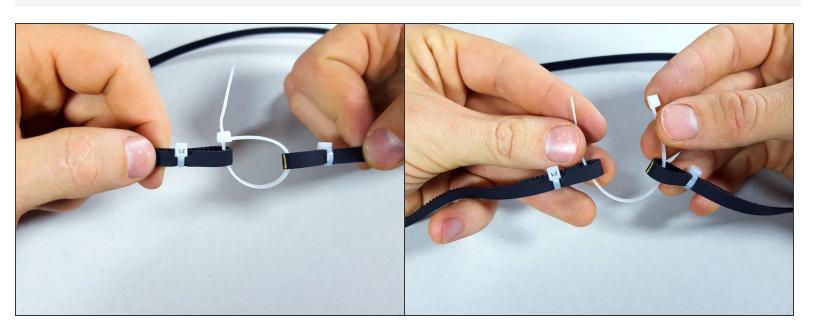
Step 7 — 4 Y Belt



- Y Belt
- 4" zip ties
- Y assembly

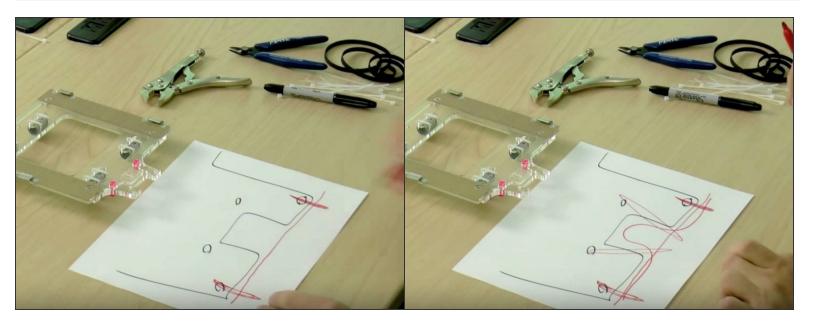


- Make two loops at both ends of the Y belt.
- The yellow marks will end up on the top of the loops.

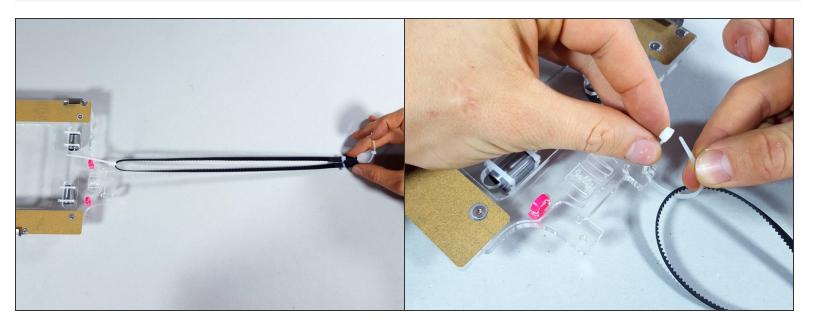


- Connect the two loops with another 4" zip tie.
- Make sure to have the tail of the zip tie pointing 'upwards'.

Step 10 — Belt Installation Overview

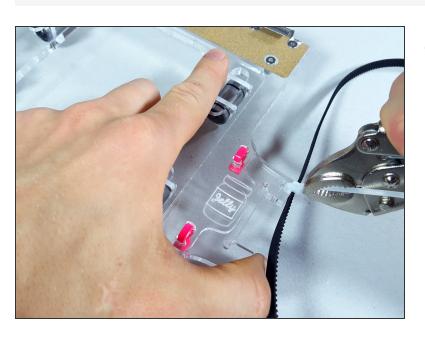


- == Overview of the belt Installation ==
 - First, we attach the belt to the two outer-most holes.
 - Then we'll put tension on the belt connection with two more zip ties in the middle.
 - This makes the connection solid as a rock.

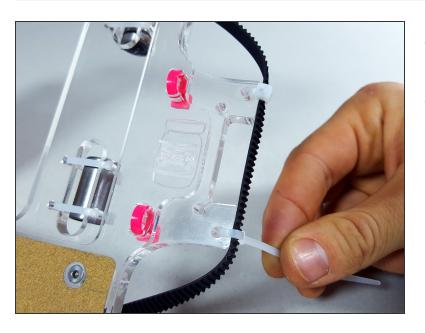


- Attach the **middle** of the belt to the right-most hole on the acrylic platform.
- Tooth-side of the belt should be facing away from the acrylic.
- (The zip tie head position does not matter here.)

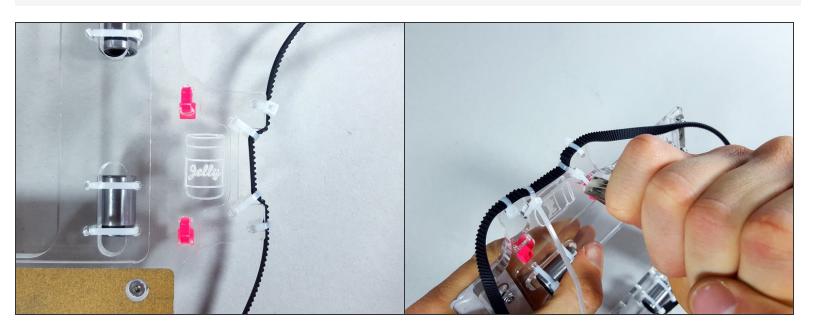
Step 12



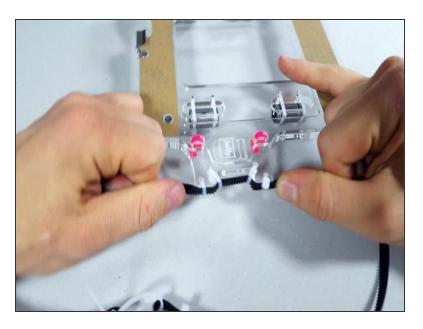
Tighten well with vise grip.



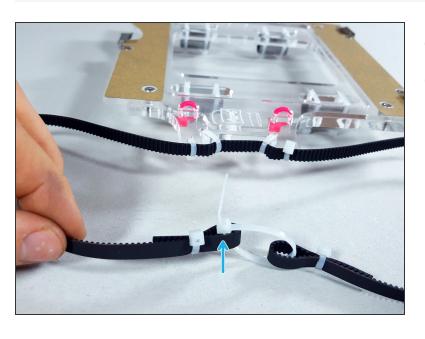
- Strech the belt lightly across the cutout, and secure it to the left-most hole on the platform.
- Tighten well with vise-grip.



- Tension the belt by putting two more zip ties in the middle two holes.
- Tighten these little by little, and alternate sides to get an even tension.
 - This would be the belt equivalent of 'cross-tightening' for screws.



- When you pull the belt side to side, it should feel solid, with little play or movement.
- (The two zip ties in the middle should have removed any slack from the connection.)



- Done.
- (Notice the zip tie tail still facing upwards.)