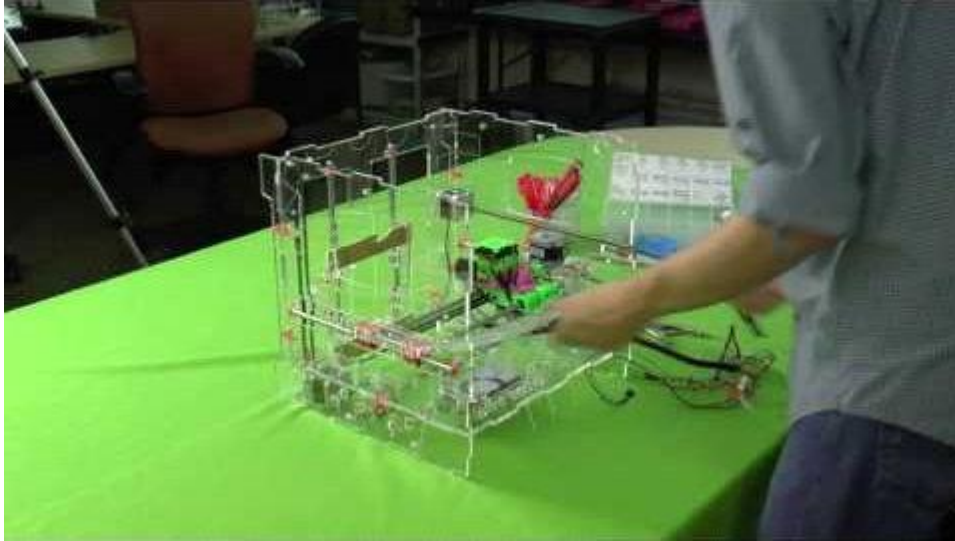
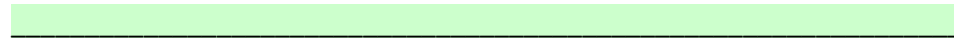


# #join X assembly to Box

[JellyBox Build: 16 X-Assembly Join](#)



In this video, we incorporate X assembly into the JellyBox frame.

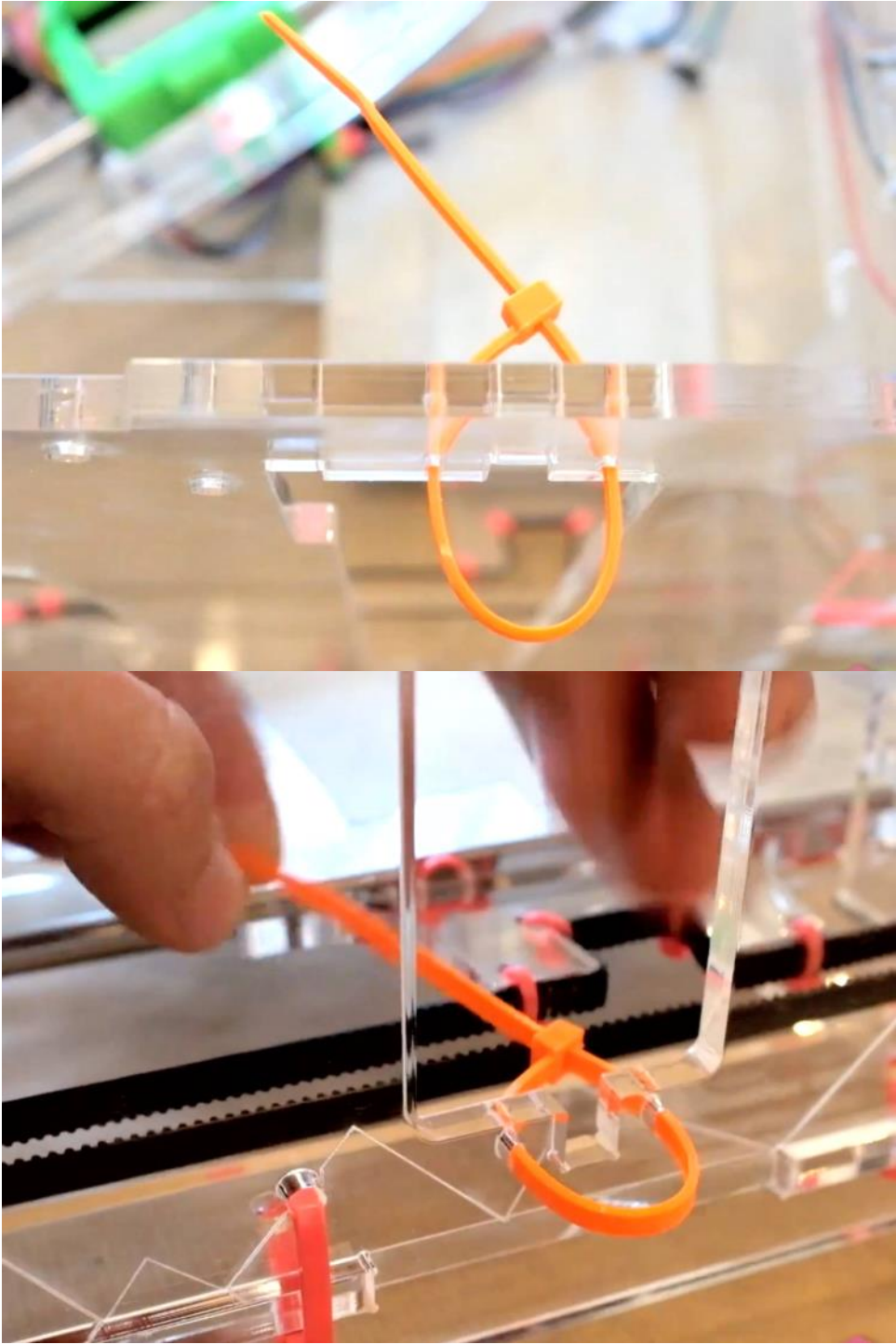


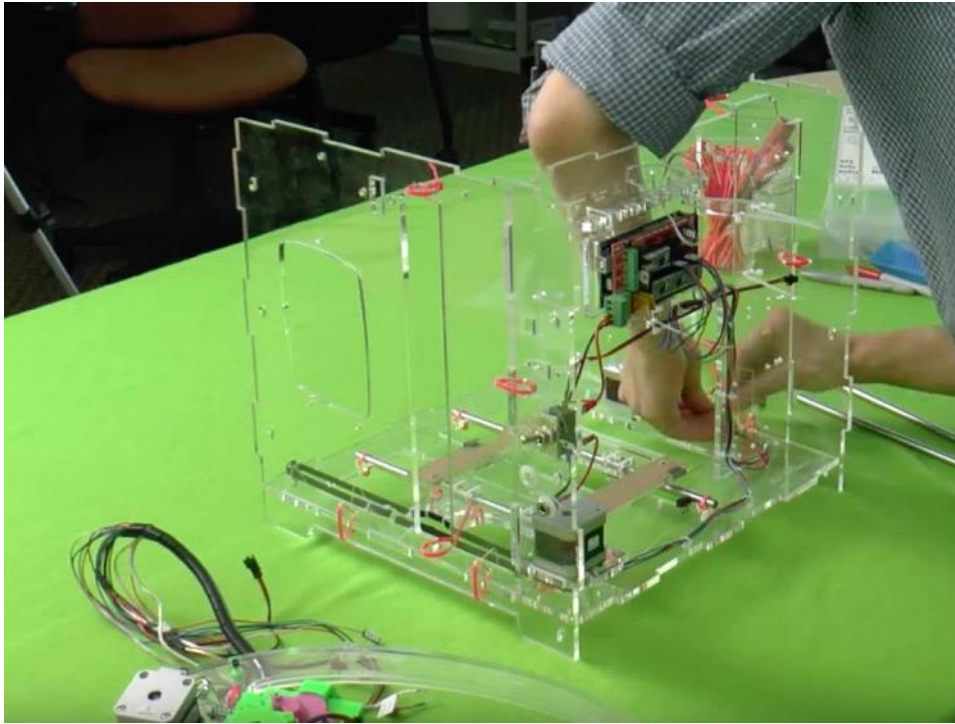
## You'll Need:



- X Assembly
- 6" zip ties
- Smooth rods (2)
- Vice grips
- Side Cutters

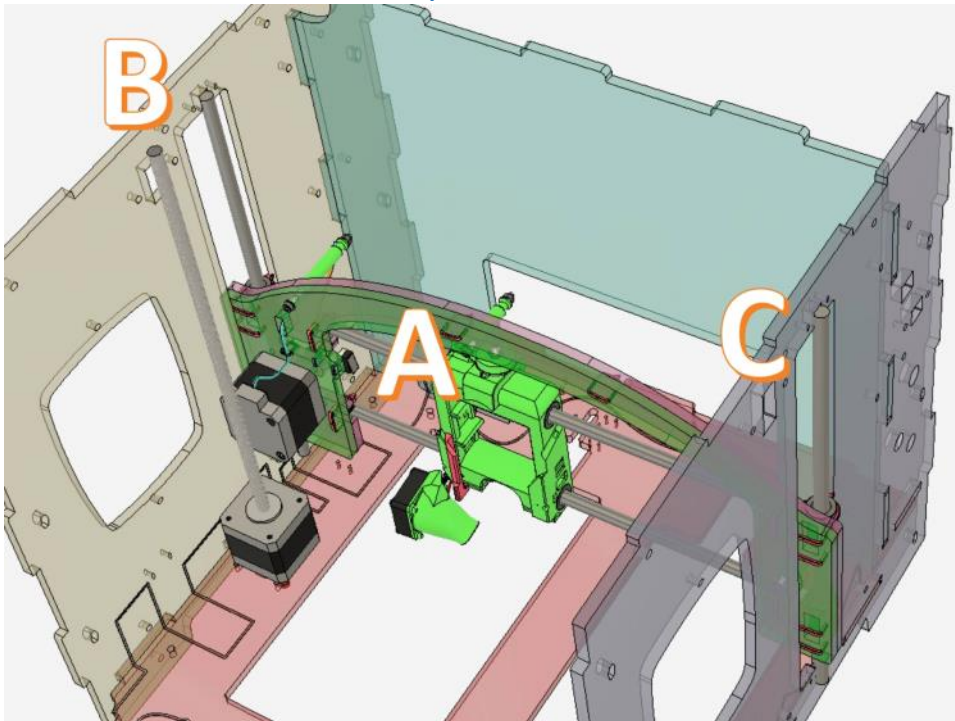
Title: Prepare Loops for Smooth Rods

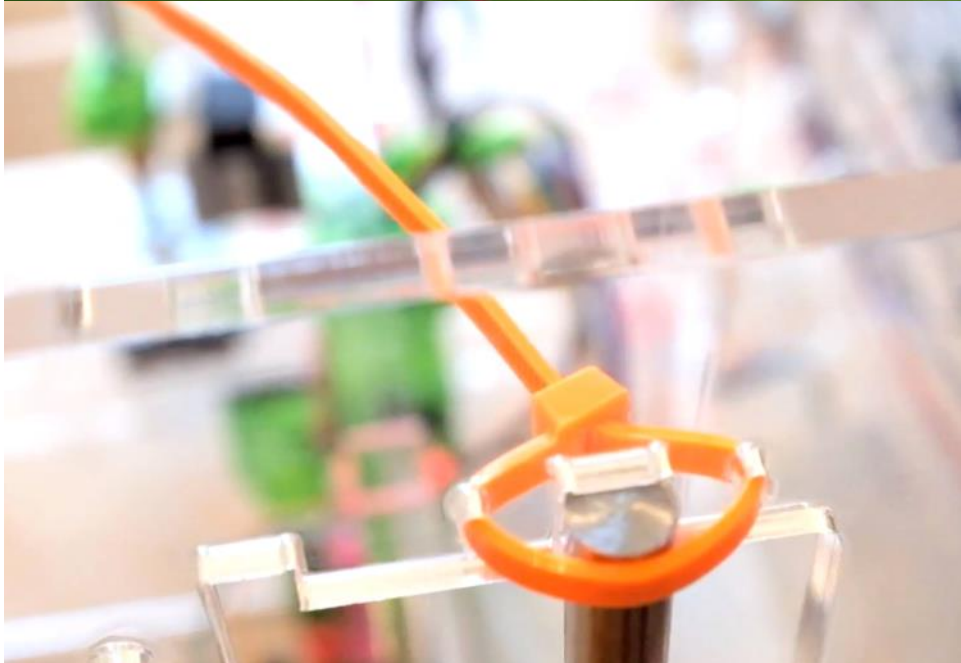
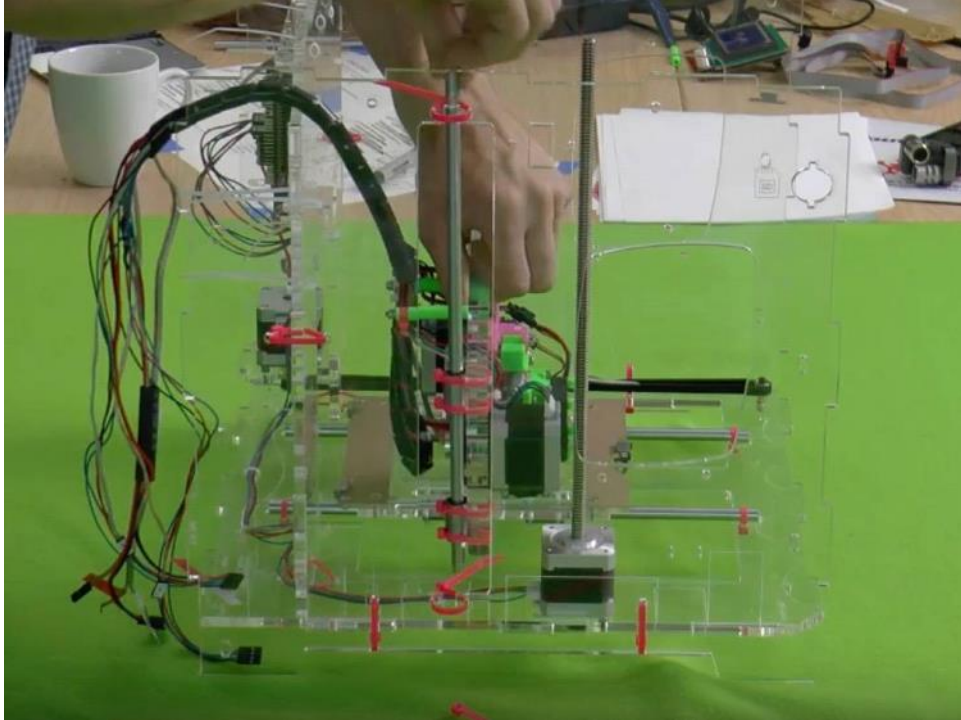
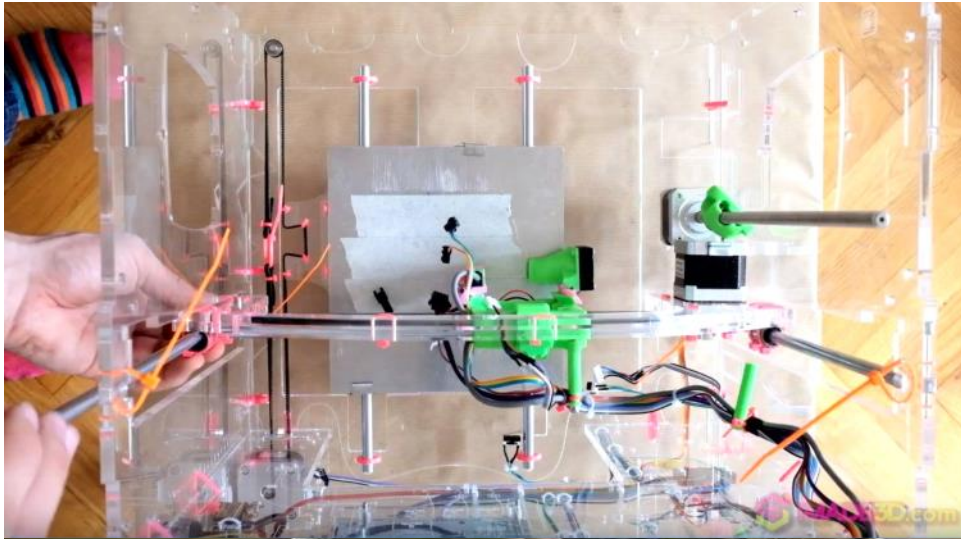




Loosely place zip tie loops on either side of the printer - head on the inside. These loops will hold the smooth rods.

### Title: In Goes the X Assembly







**A:** Put the X assembly inside the box.

Slide in the rods through the loops AND the bearings.

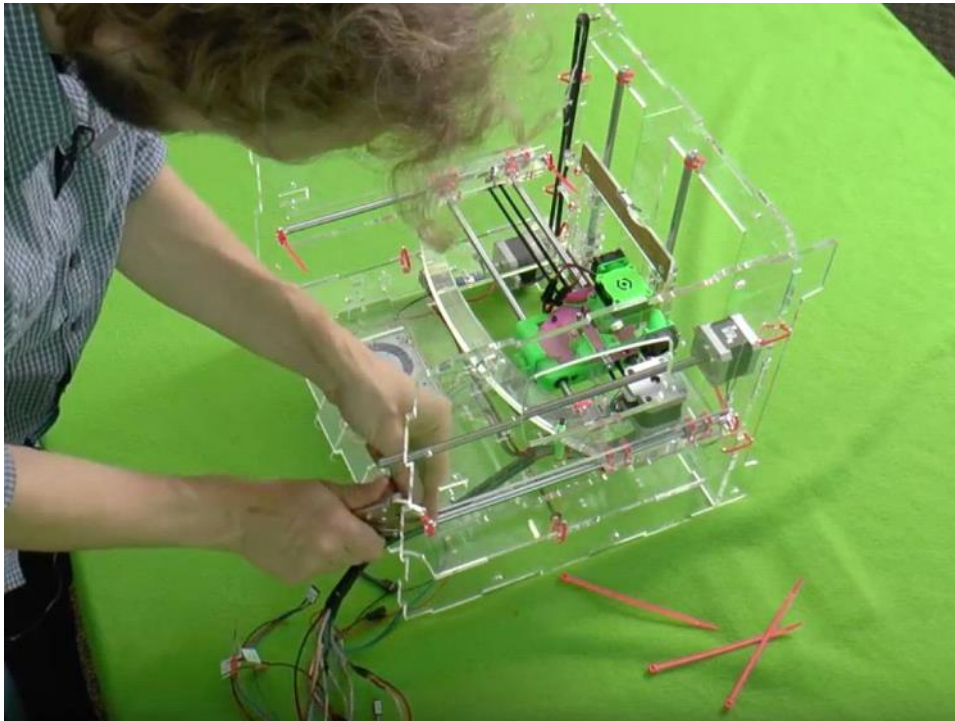
**!** Careful. If you force the rods at an angle you MAY knock out some balls from the bearings.

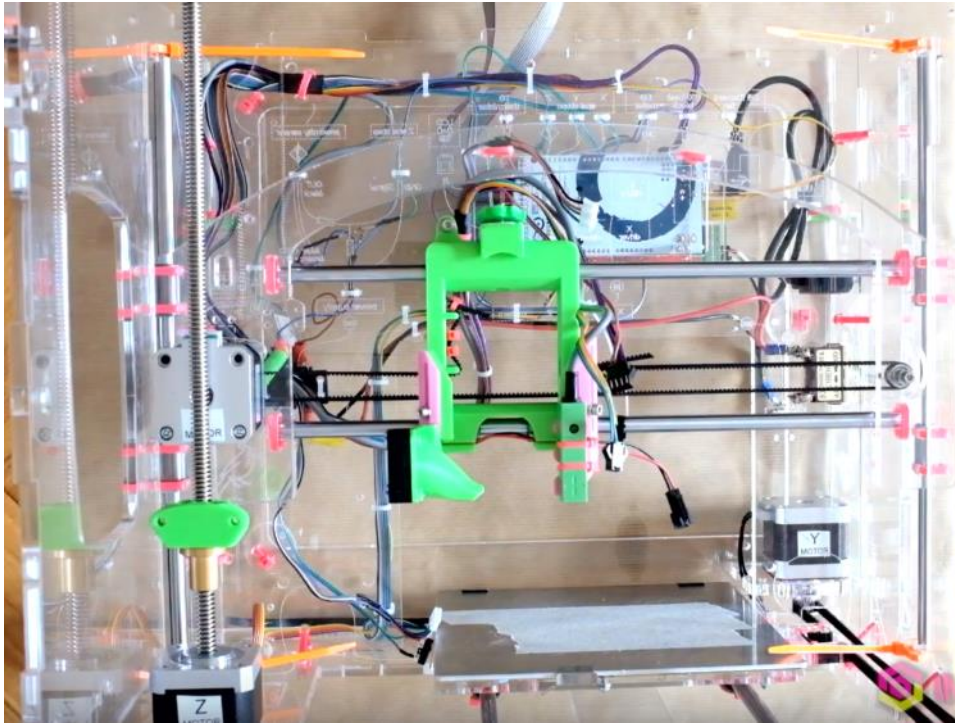
**B:** The **Left** rod is on the **inside** of the box!

**C:** The **Right** rod is on the **outside** of the box!

Hand-tighten the zip ties.

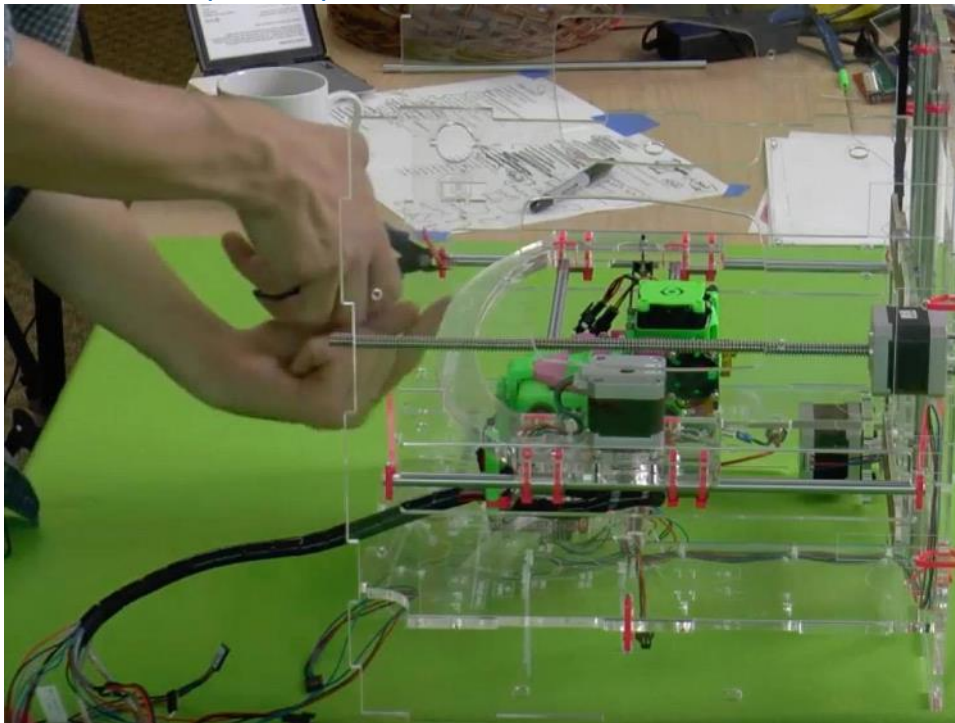
### Title: Secure the Smooth Rods





Place the box on its back to alleviate gravitational pull.  
The smooth rods should sit inside the slots.  
Use vice grips to pull the zip ties tight.

### Title: Clean Up the Zip Ties



Use side cutters to remove the loose ends of the zip ties.  
Done!