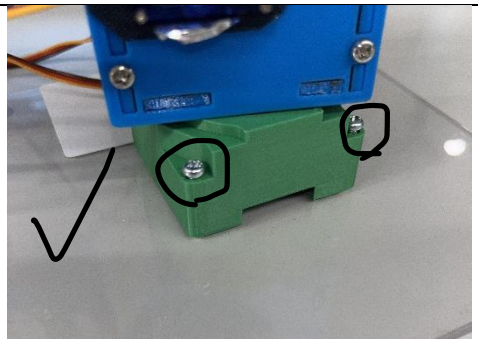
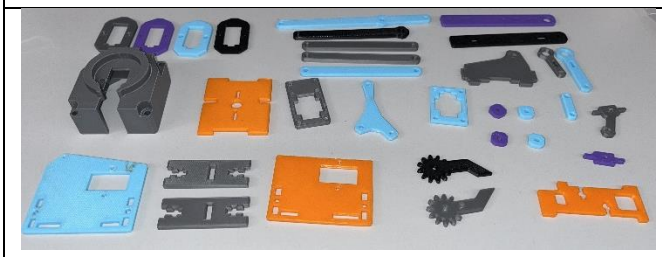
IMPORTANT – The acrylic base of the robot you are building today is different than the one shown in the instructions given. DO NOT SCREW THE 20MM SCREWS UPWARDS THROUGH THE BOTTOM OF THE BASE (SHOWN BELOW).

<table>
<tr>
<td> 

THIS COULD SHATTER THE ACRYLIC PLATE AND CUT OPEN YOUR HANDS. Even if it does not break the plate, the robot will not stay attached to the plate and will fall off.</td>
<td> 
Instead, screw the base to the acrylic plate like shown. NOTE – This means that you must install the base servo before attaching the base to the plate</td>
</tr>
<tr>
<td> 
PRO TIP – Before you start, lay out all of the parts and count them to make sure that the number of parts and screws matches with the guide. It’s good to count them out first so that you can ask your professor or the Part Cart to replace the parts on their first loop around so you aren’t waiting for them when you actually need the part.</td>
<td> 

For the servos: red is voltage (5V), brown/black is ground, and yellow is data (the wire you connect directly to the headers on the Arduino)</td>
</tr>
</table>

Some fitments might be tight due to printer errors like elephants’ foot or warping. You can use the pliers to scrape the part to make it fit better. If the part still refuses to fit, ask either your professor or the Part Cart to supply you with a replacement.

The instructions may not line up exactly with the robot you are building and coding today. If something is not working properly, take a step back, take a deep breath, and figure out what is different so you can move through the obstacle.

Links to the instructions:

https://www.instructables.com/Pocket-Sized-Robot-Arm-meArm-V04/

Link to a GitHub Repository with sample code in case the professor did not provide it:

https://github.com/CarsonHam1/Hackathon-Robot-Arm/tree/main

If you don’t know how to use GitHub, open the sample code folder, and then download the Sample_Code_V2 file.