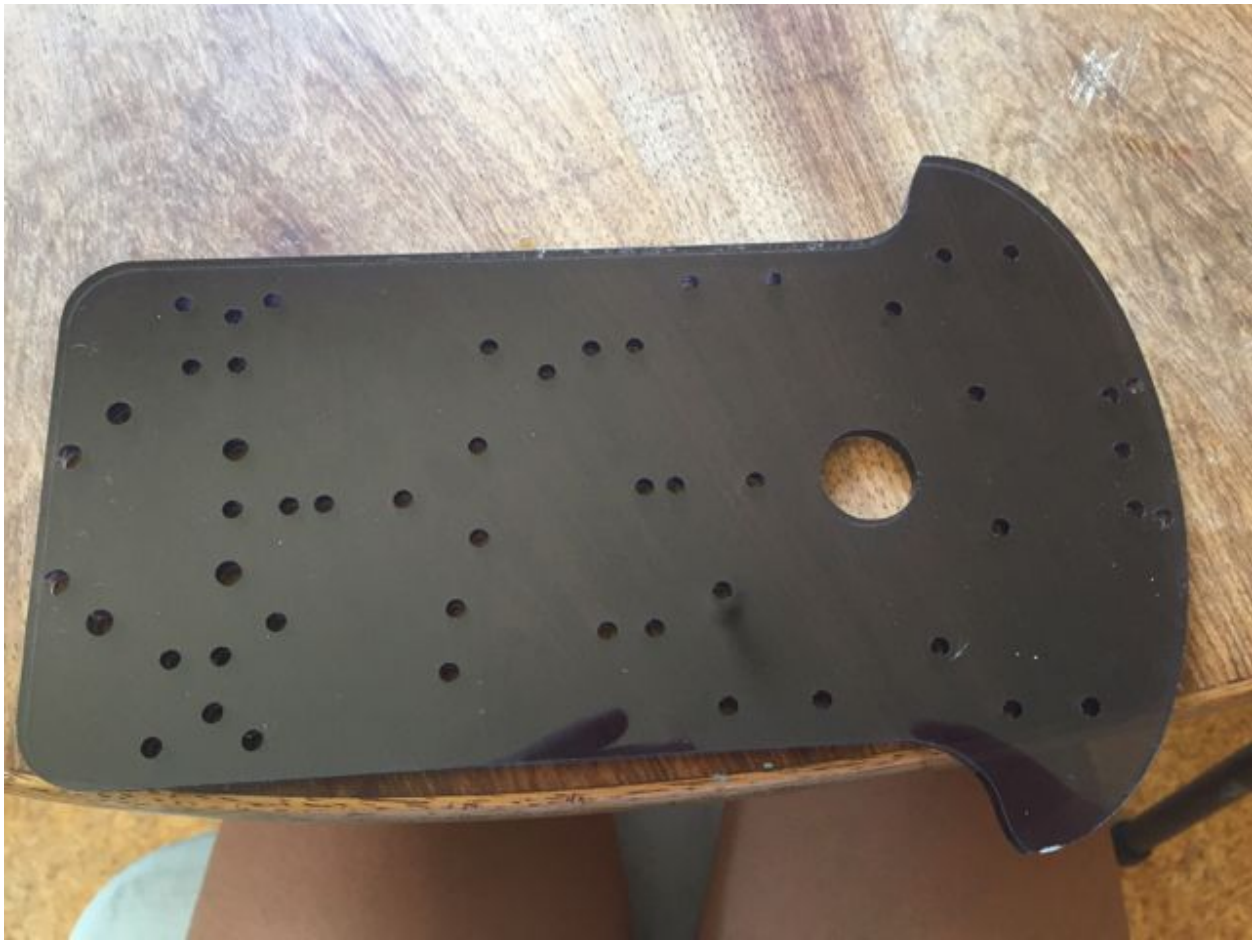
# Chassy Assembly Guide

Your chassis should look like this when you get it. Carefully unwrap the chassis parts.

You will end up with the above parts. Not all the screws will be needed as we do not need the rectangular piece of acrylic (white rectangle with red lines above).

You don’t need the above piece of acrylic !



Remove the cover on the main part of the chassis - it should be dark and clear like this!

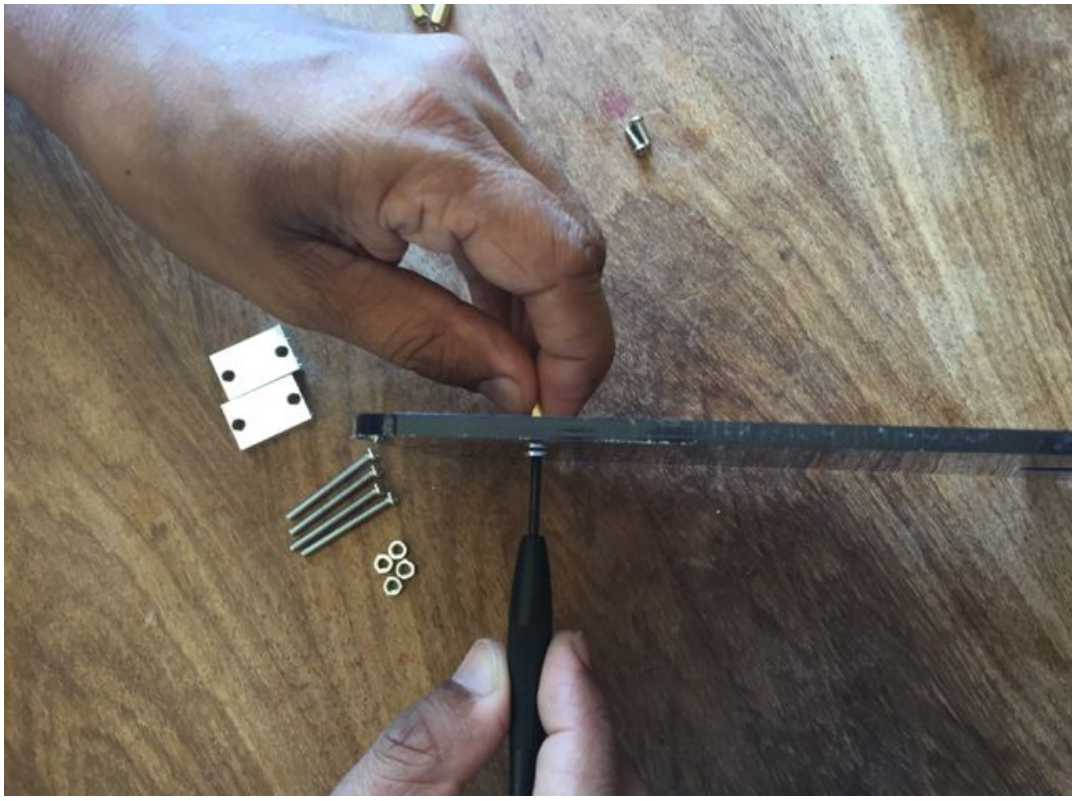
You will need the above screws!

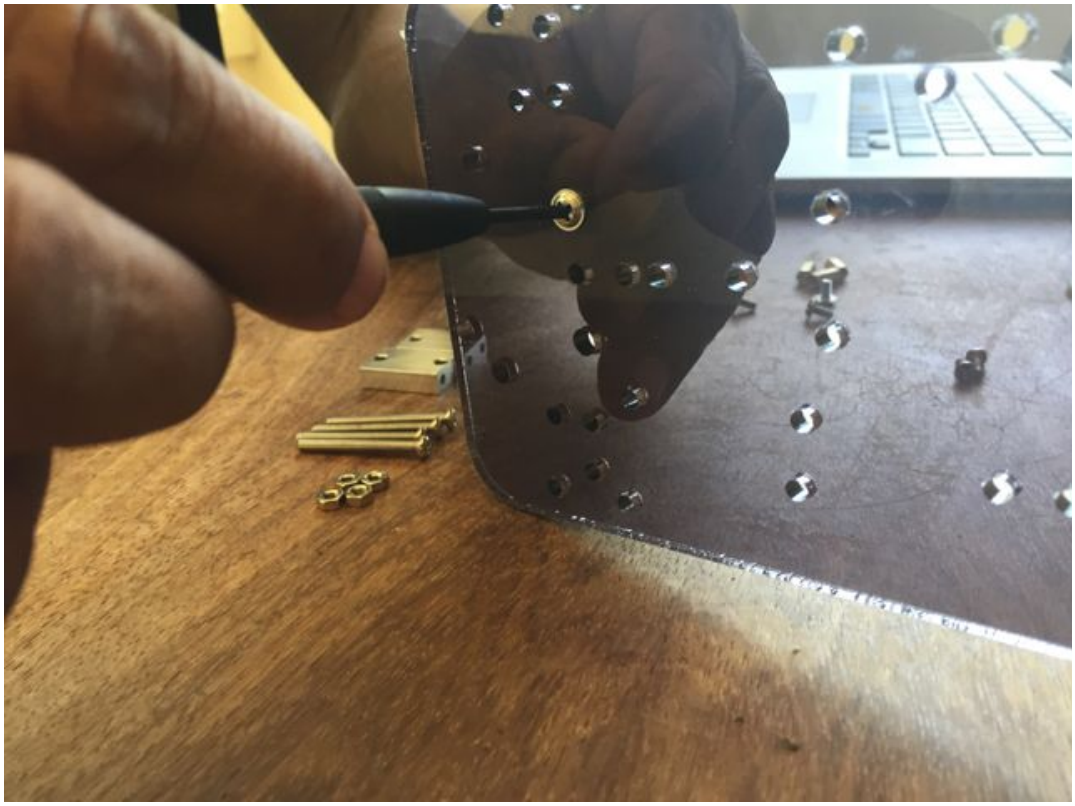
ADDENDUM: You will actually need 4 more small screws that the above

You will not need the above (apart from the 4 extra small screws above)

You will need a phillips head (cross head) screwdriver which you can get from an instructor!

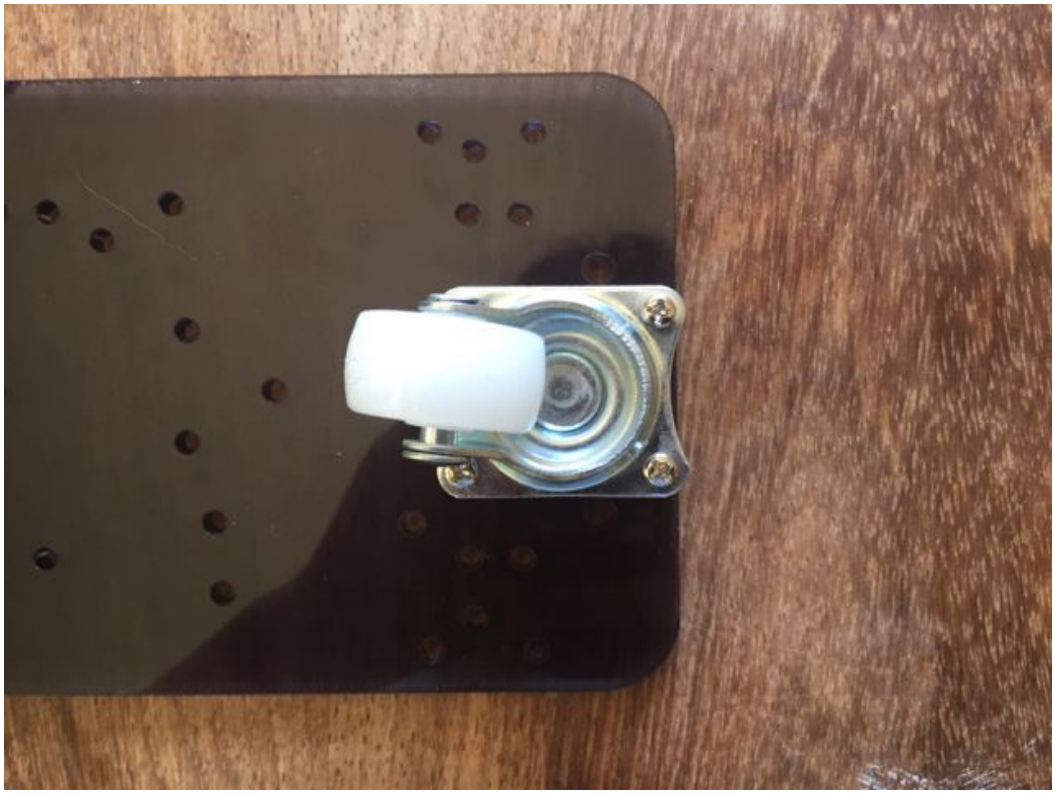
The next stage is to attach the back wheel castor. The next few photos show you how to do this. You'll need the 4 wide top screws!



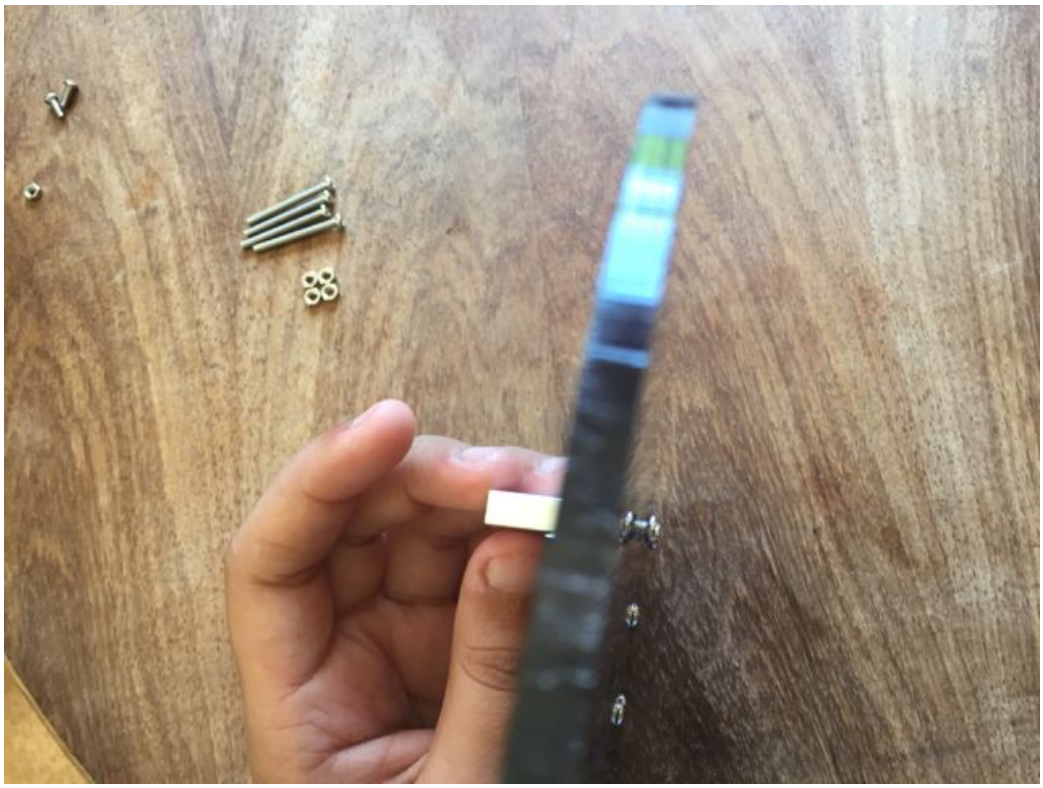


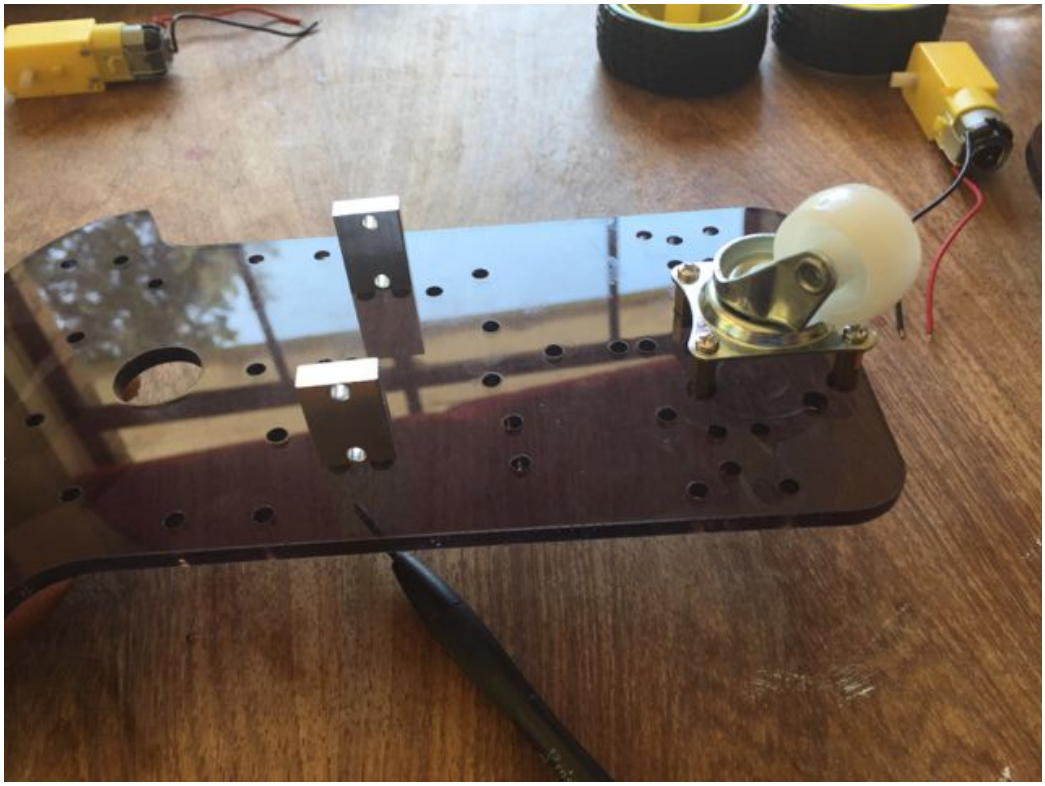
Attach the 4 spacers to the 4 holes at the back of the chassis

Place the castor on the spacers and screw it in with 4 small screws.

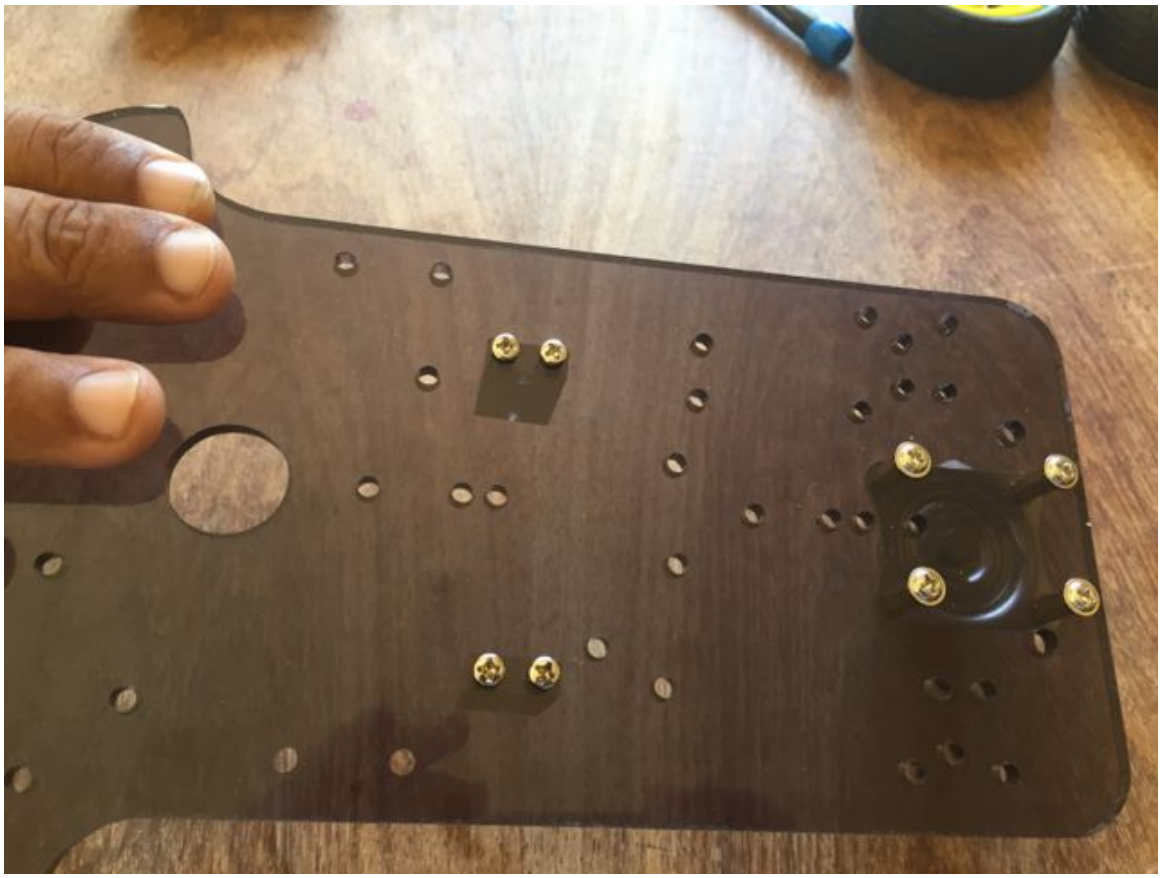


Attach the 2 metal blocks that will stablize the motors. Make sure you get them the right way round

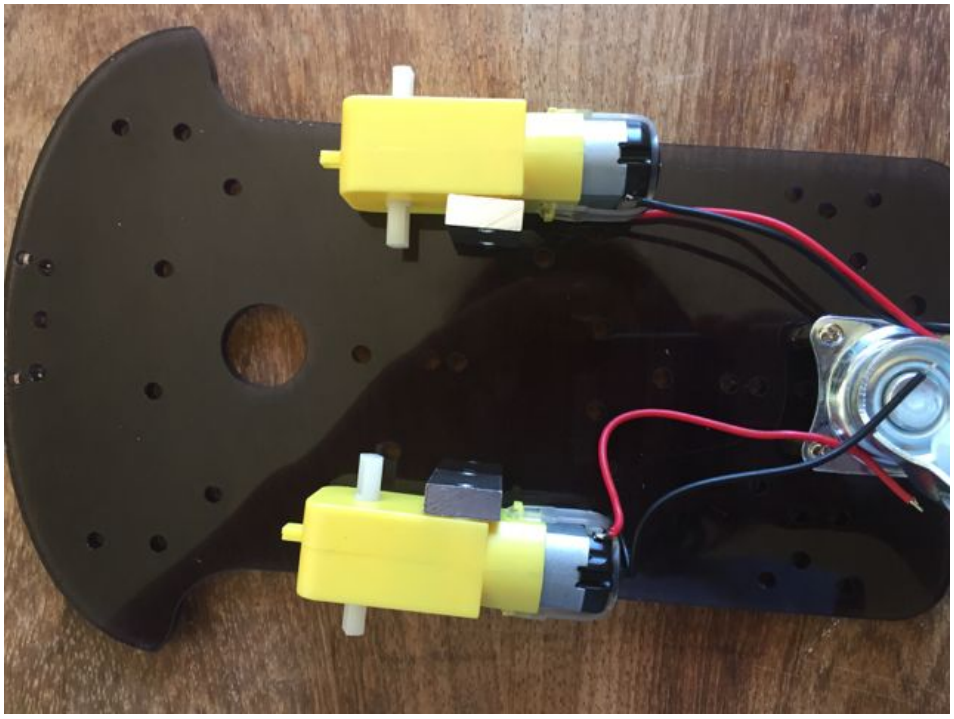


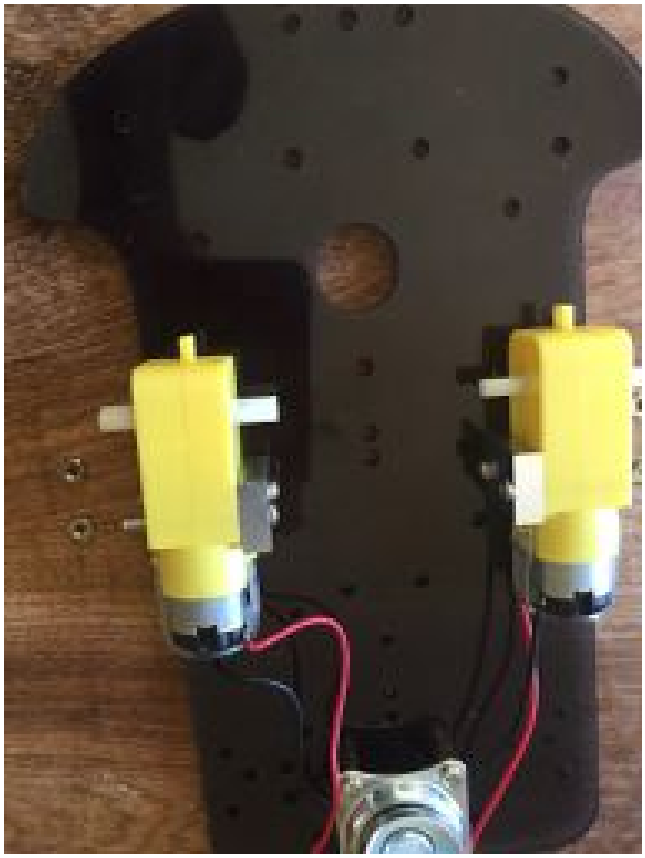


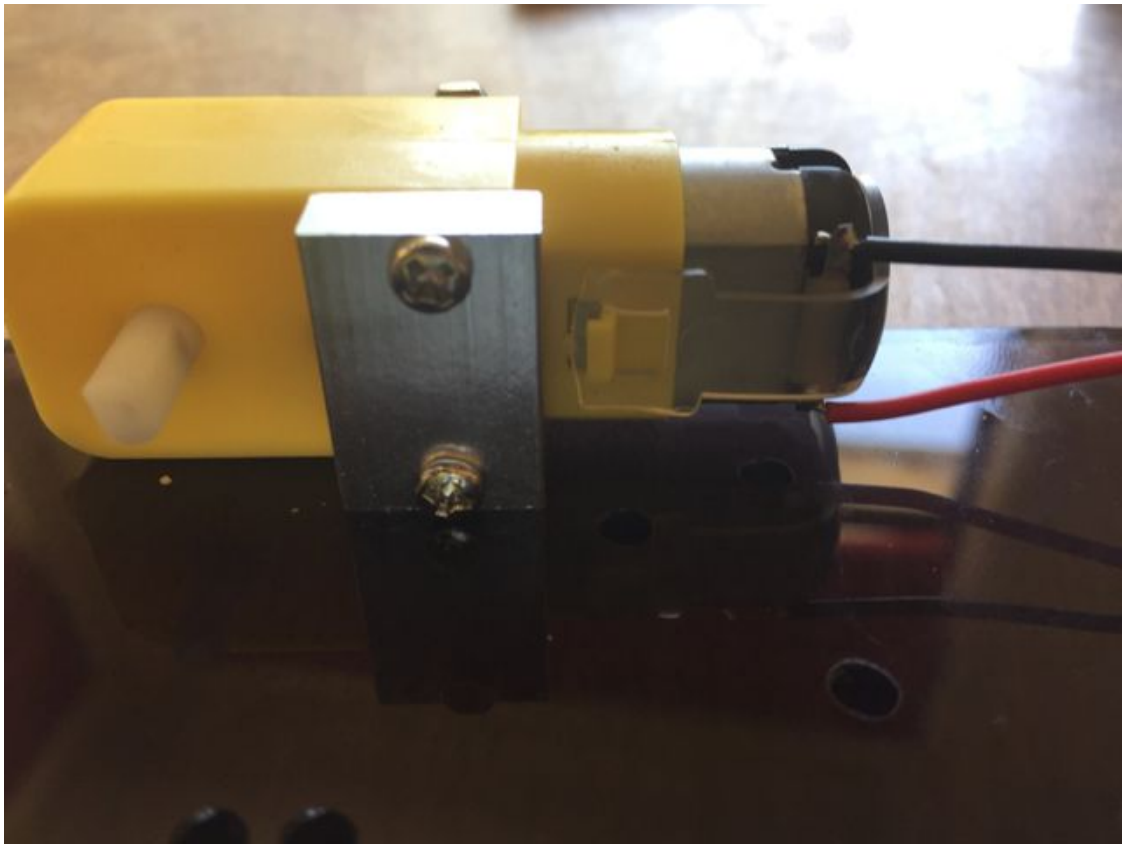
This is what the other side should look like

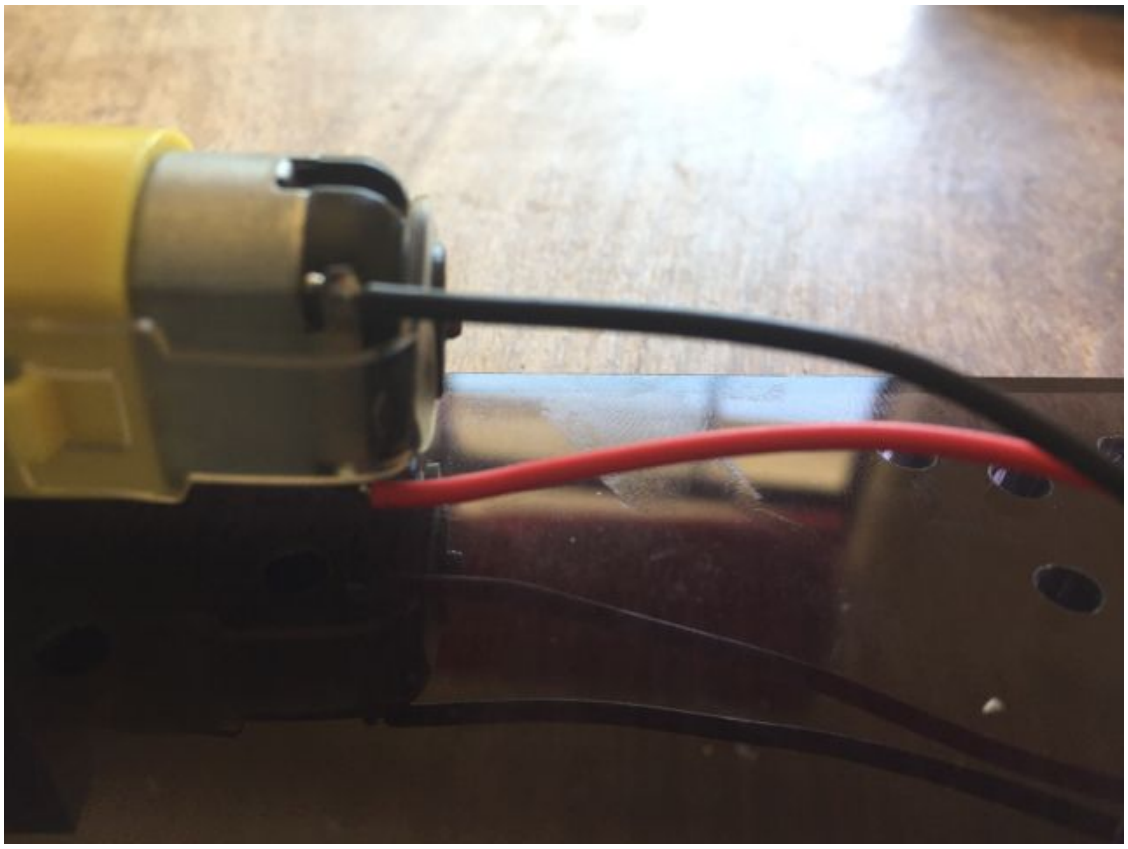


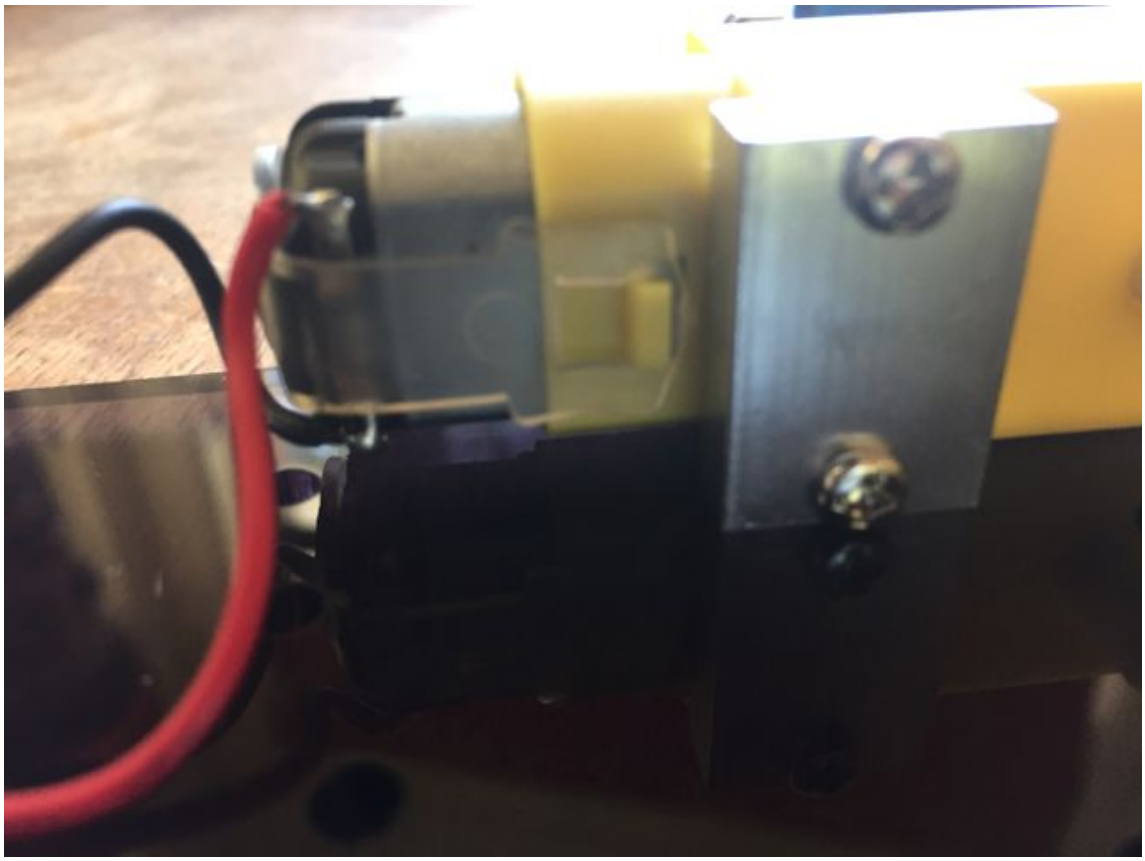
Attach the motors. The important thing to get right here is the correct color wires on each side. You shouldn't really go far wrong with this!





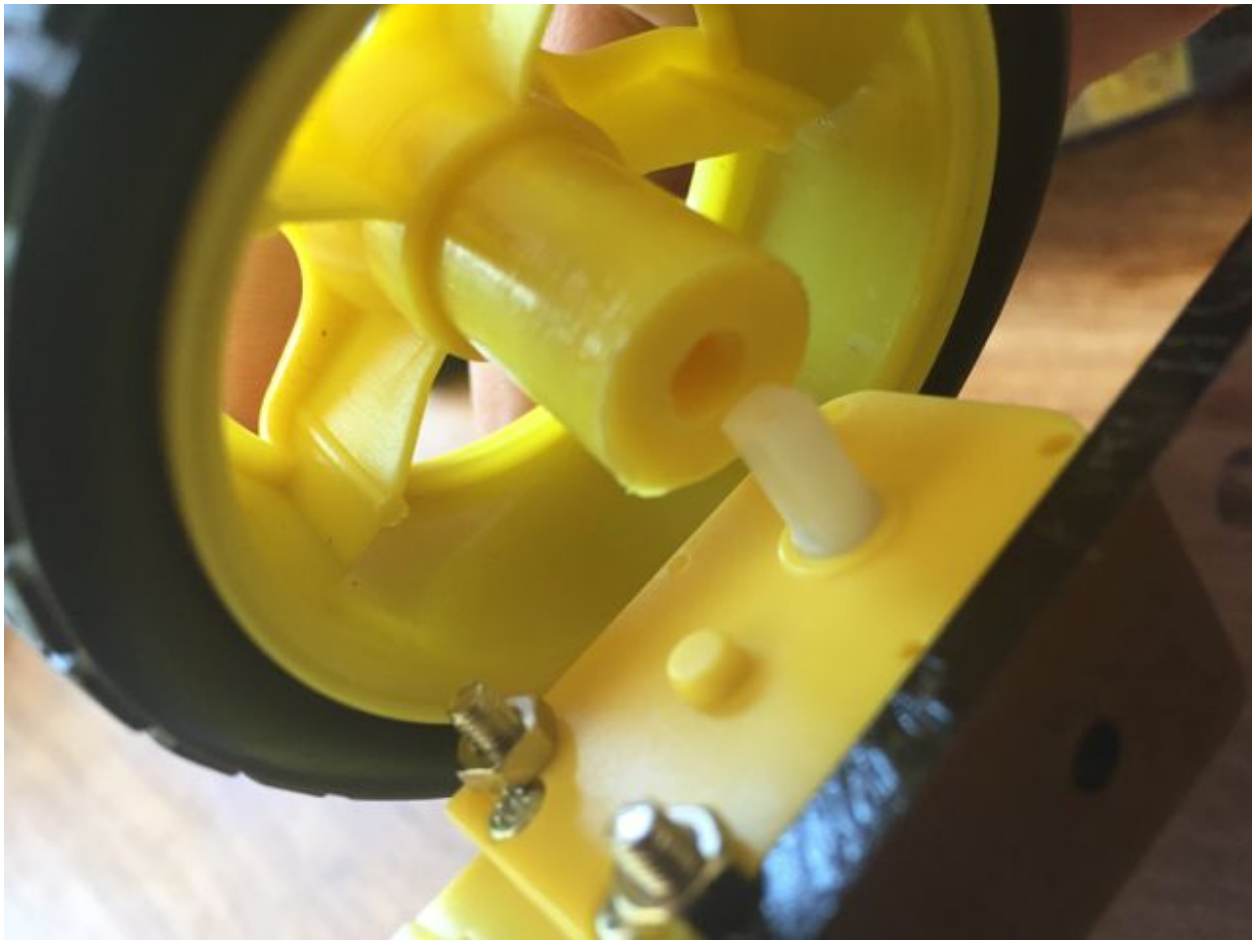


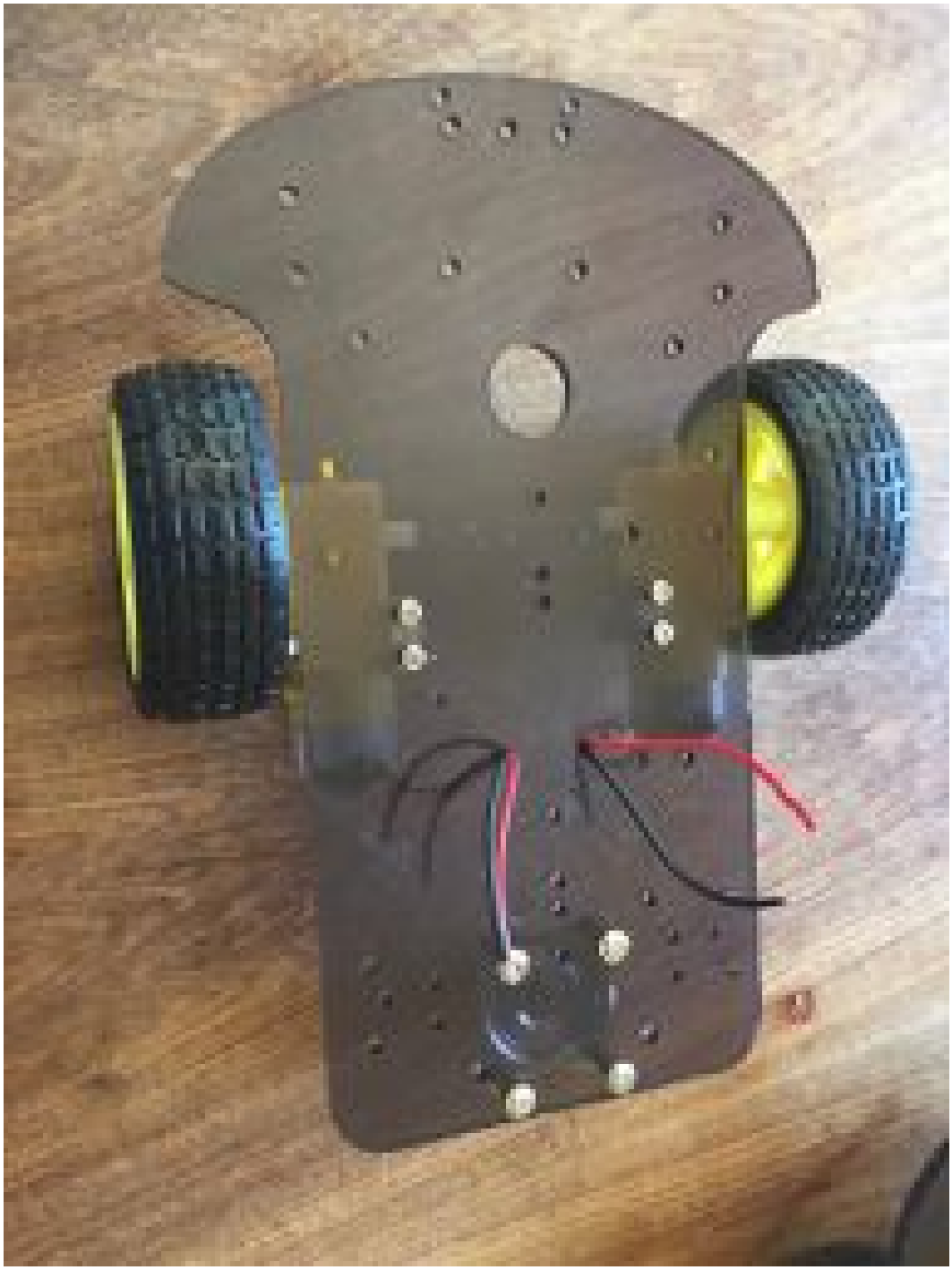




Finally attach the wheels!

Be careful to look carefully as you have to get it in a particular way.





Thread the wires through the 2 holes in the center and your chassis is built. Make sure your motors are on securely. This will help your robot drive true/straight later on although you will still be able to adjust the relative speeds of the wheels.

DONE !