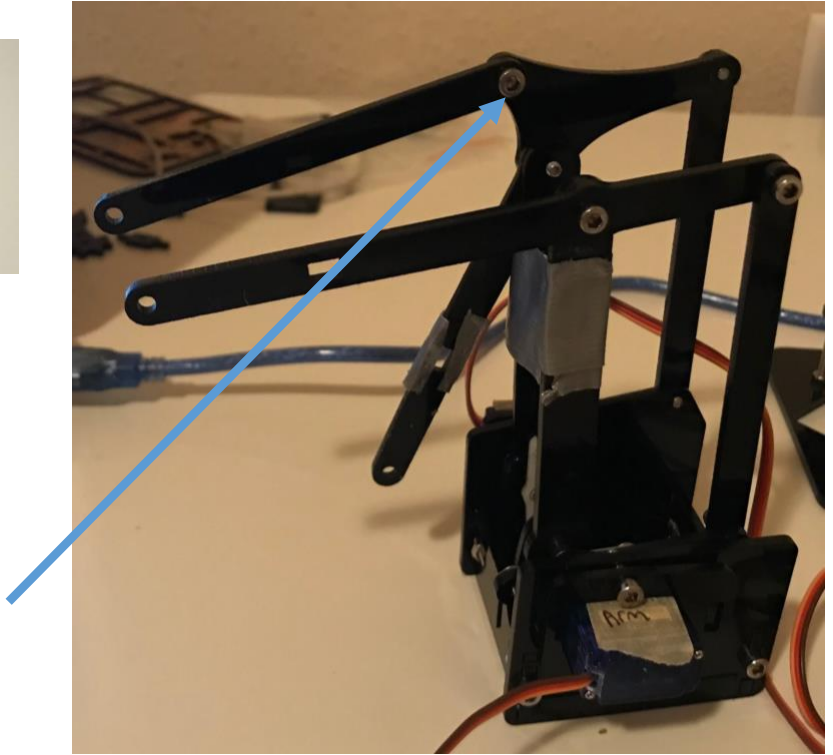


Build Your Robotic Arm! (Part 3)

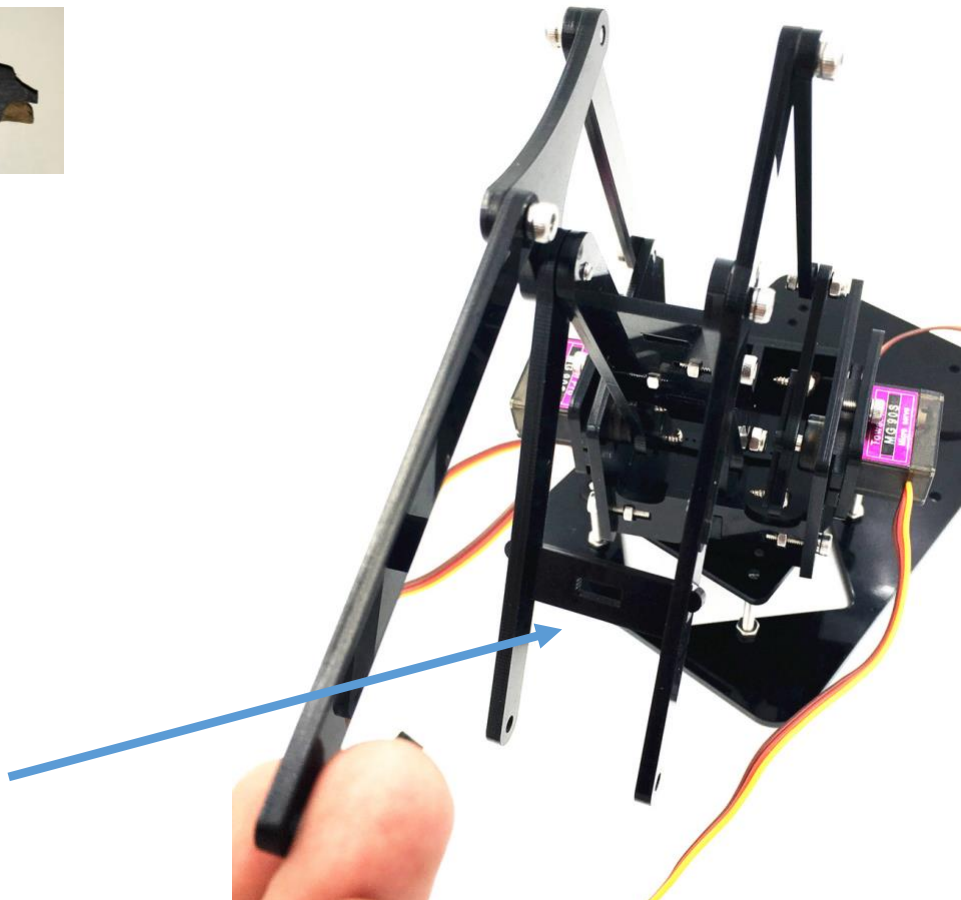
52. Find these objects. Attach the plastic piece to the top of the 3-holed piece. The hole in the screw and the new piece should be on the inside, not the outside.



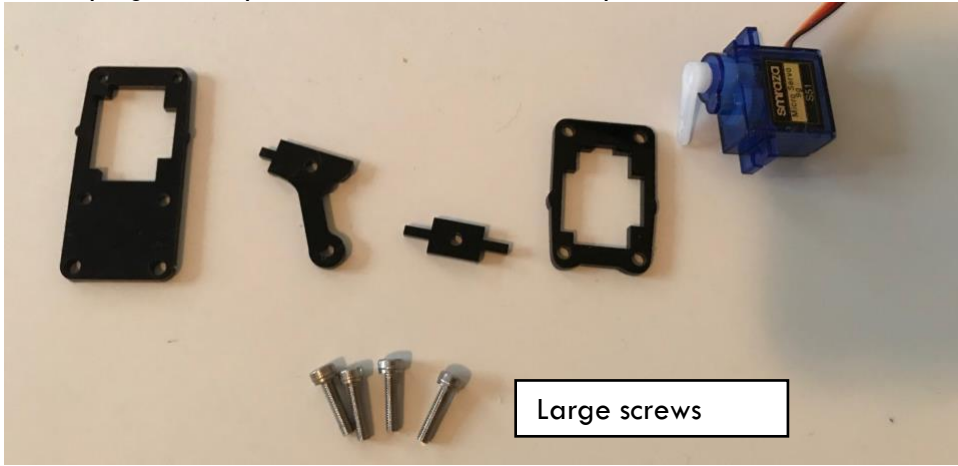
Small screw



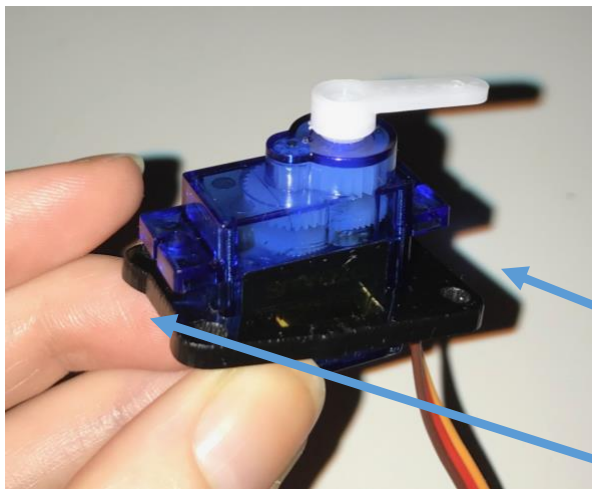
53. Find this piece. Use it to connect the two long pieces of plastic with the holes.



54. Unplug the Grip servo. Find these exact objects:

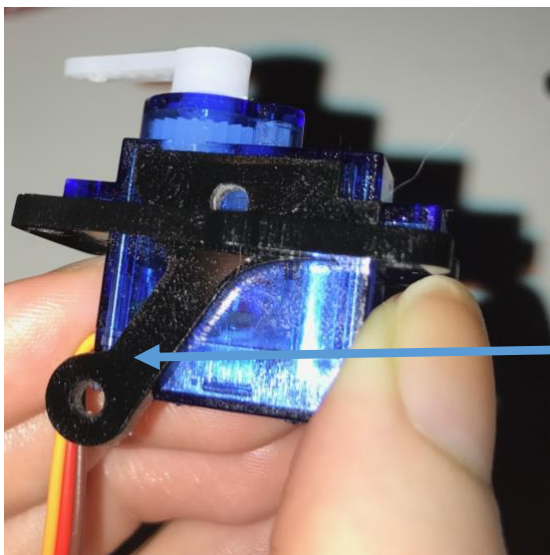


55. Put this black piece of plastic through the bottom of the servo.



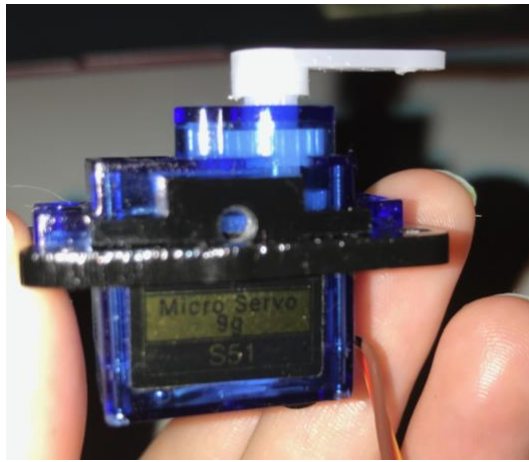
Flat part by the blade
Curvy part at the back

56. Put this part in the opening on the left side.

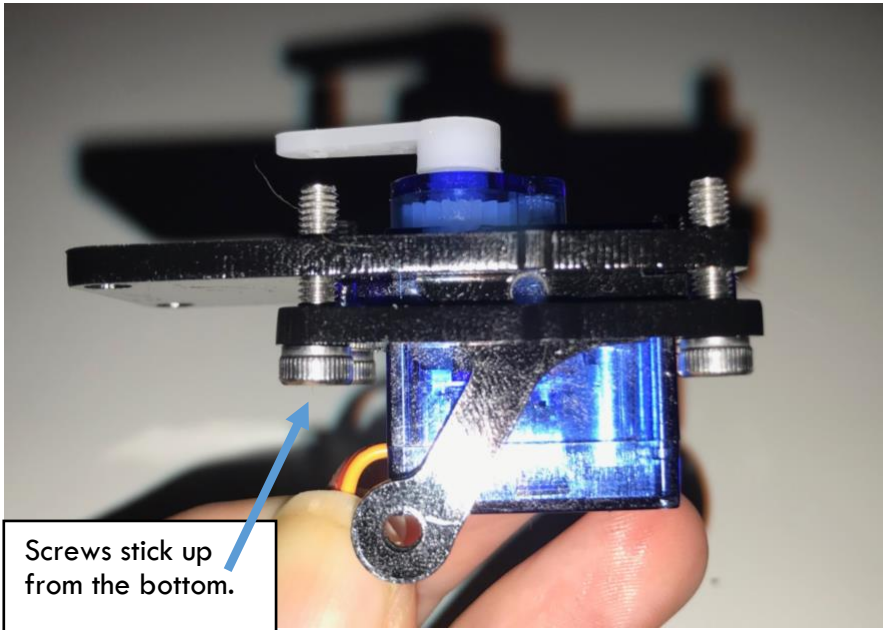


"Tail" part faces down and toward the wire

57. Put this part in the opening on the right side.



58. Put the large piece on the top. The bigger part should be facing the white blade and the wires. Use the 4 screws to hold it in place. Plug the grip servo back in and check that it still works.

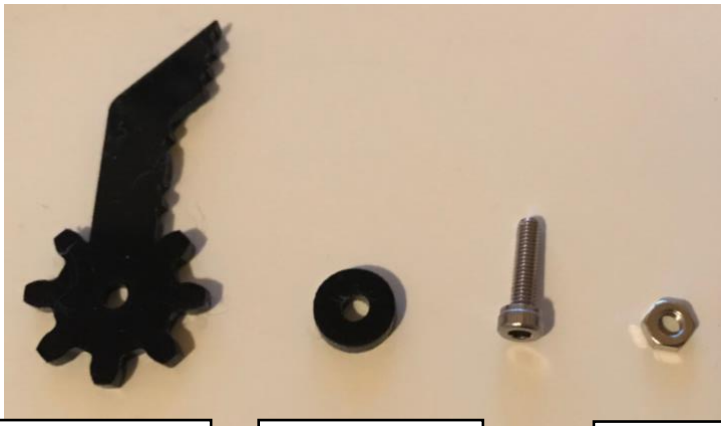


59. Take the white blade off the Grip servo. Use a pointy servo screw to connect it to this object.



Screws stick up from underneath.

60. Find these exact objects.

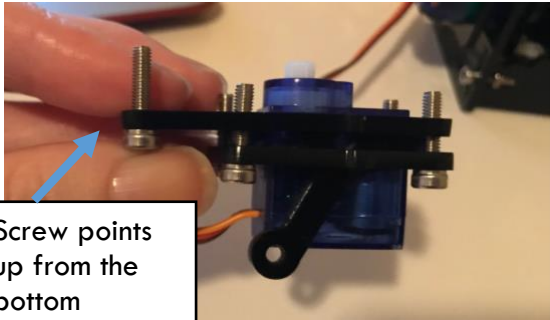


Claw with only one hole

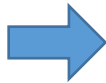
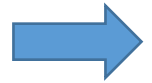
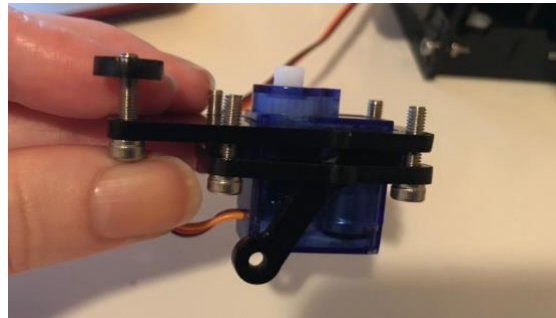
Large screw

Flat nut

61. On the left side of the Grip servo, put in the screw, then the plastic circle, then the claw, then the flat nut. Screw it just tight enough that the claw doesn't move around.



Screw points up from the bottom



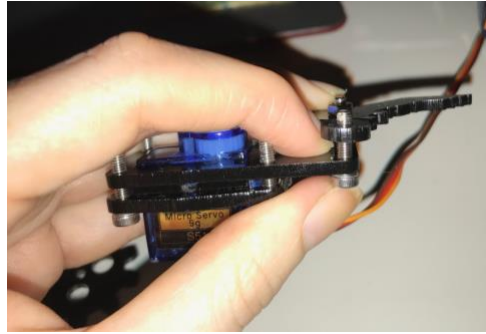
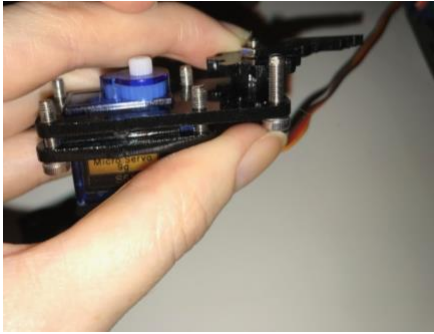
62. Find these exact objects.



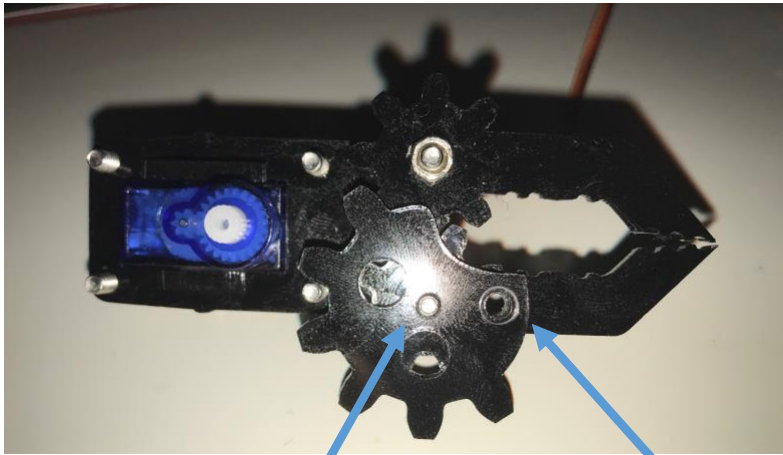
Large screw

Claw with 2 holes

63. On the right side of your grip servo, put in the screw, then the circle, then the grip. Make the grip fit nicely with the other one grip.



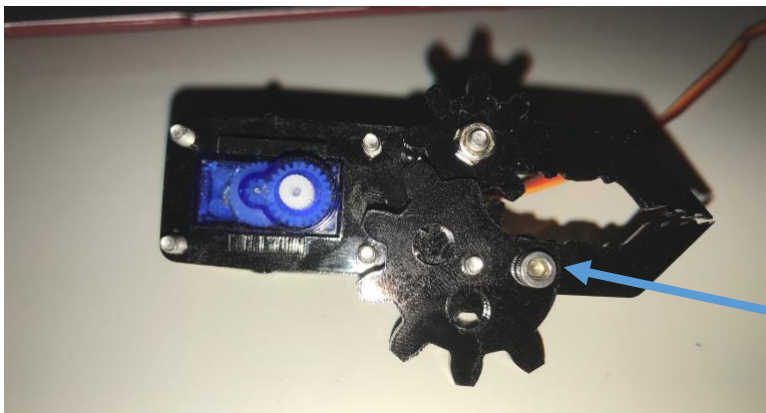
64. Add the last object that you got out. Use the Allen wrench to tighten the screw, but not super tight.



The screw goes in the little hole between the 2 big holes.

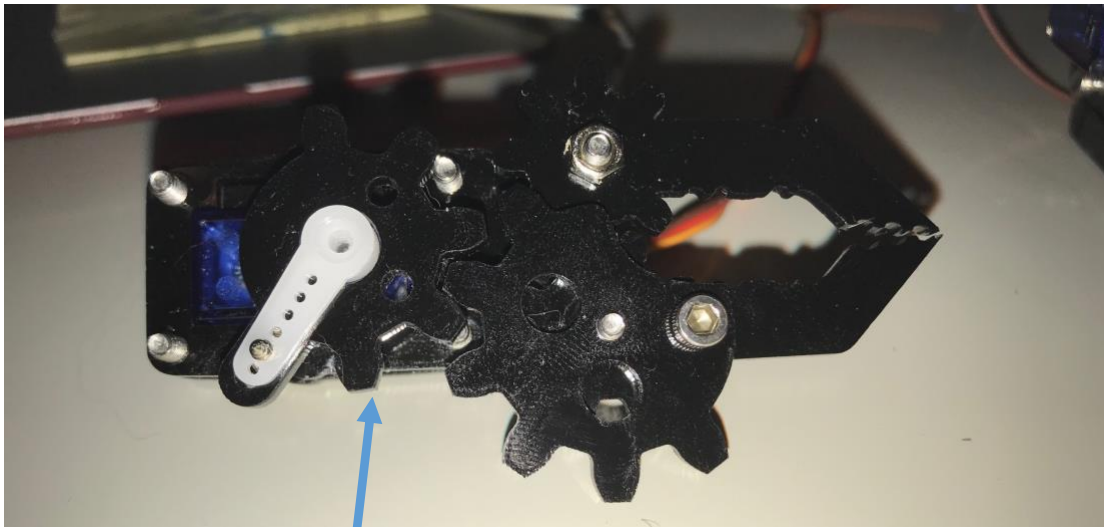
Line this hole up with the one below it on the grip.

65. With a small screw, connect the two holes that you just lined up.



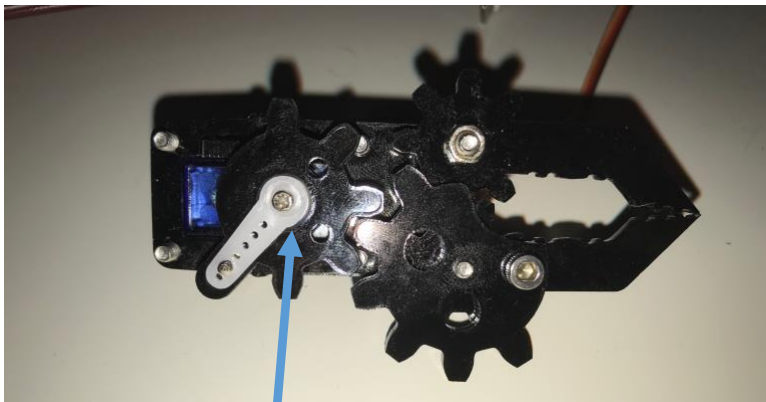
Small screw

66. Snap the other piece into place like this.



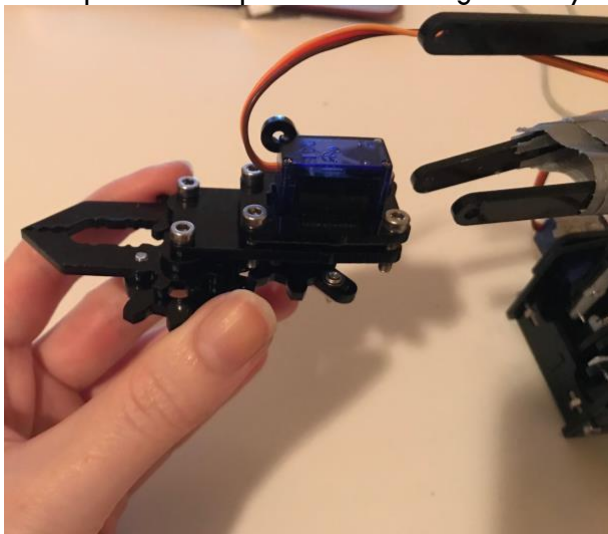
One spike is not touching other spikes.

67. Use a tiny servo screw to connect the white blade. Test the servo and see if it causes the claw to open and close. If it doesn't work, things might be too tight.

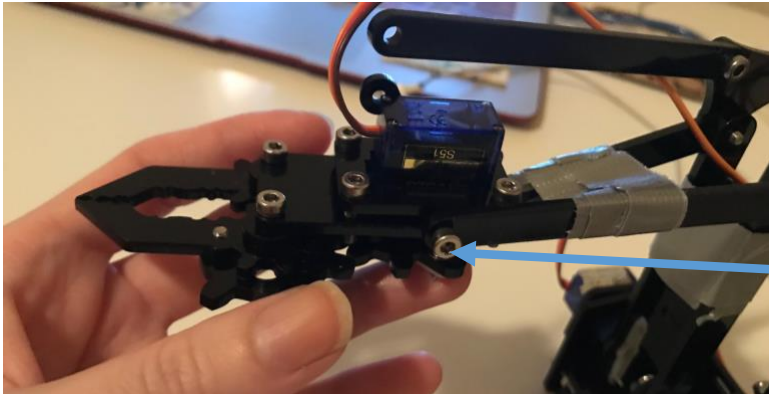


Tiny servo screw

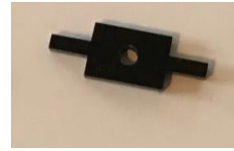
68. Flip the claw upside-down and get ready to attach it to the robotic arm.



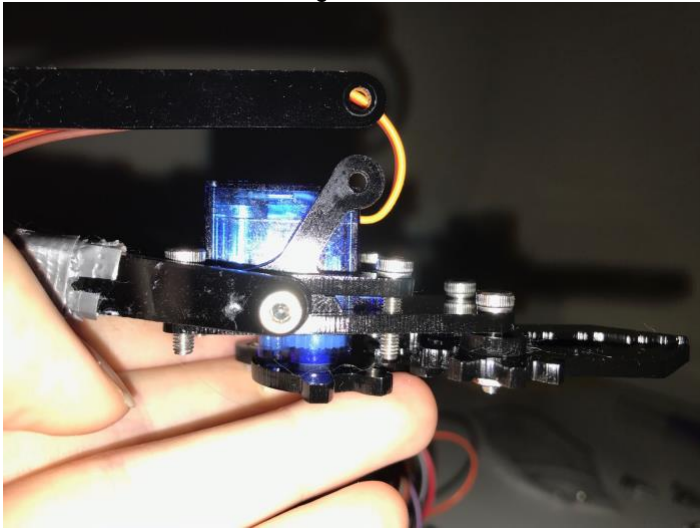
69. Use a medium or large screw to attach the left side. Do not make this very tight.



The screw needs to go into a hole in this piece. You may need to loosen other screws to make this work.



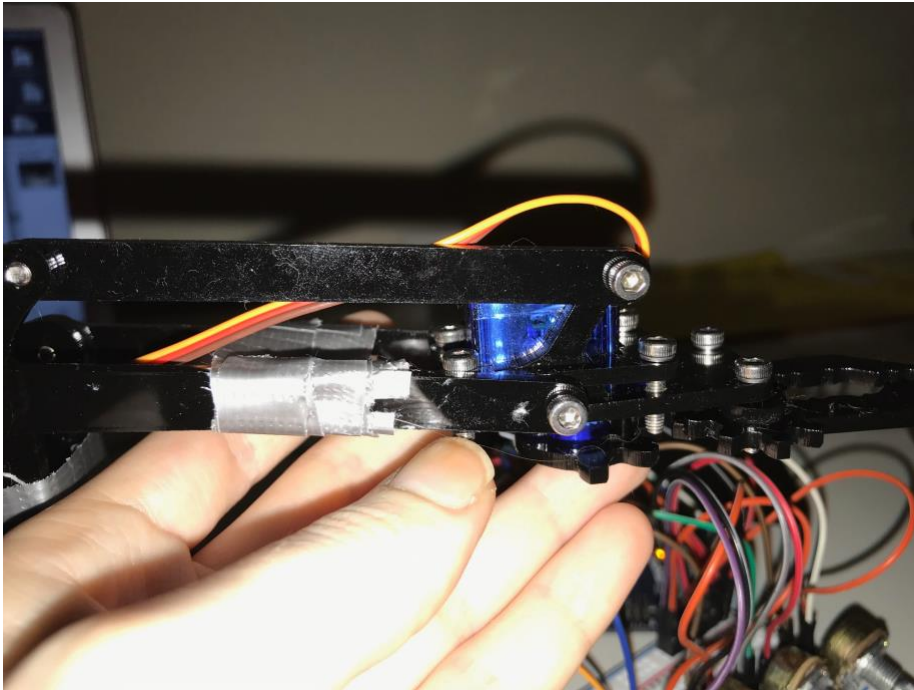
70. Use a medium or large screw to attach the bottom-right side. Do not make this very tight.



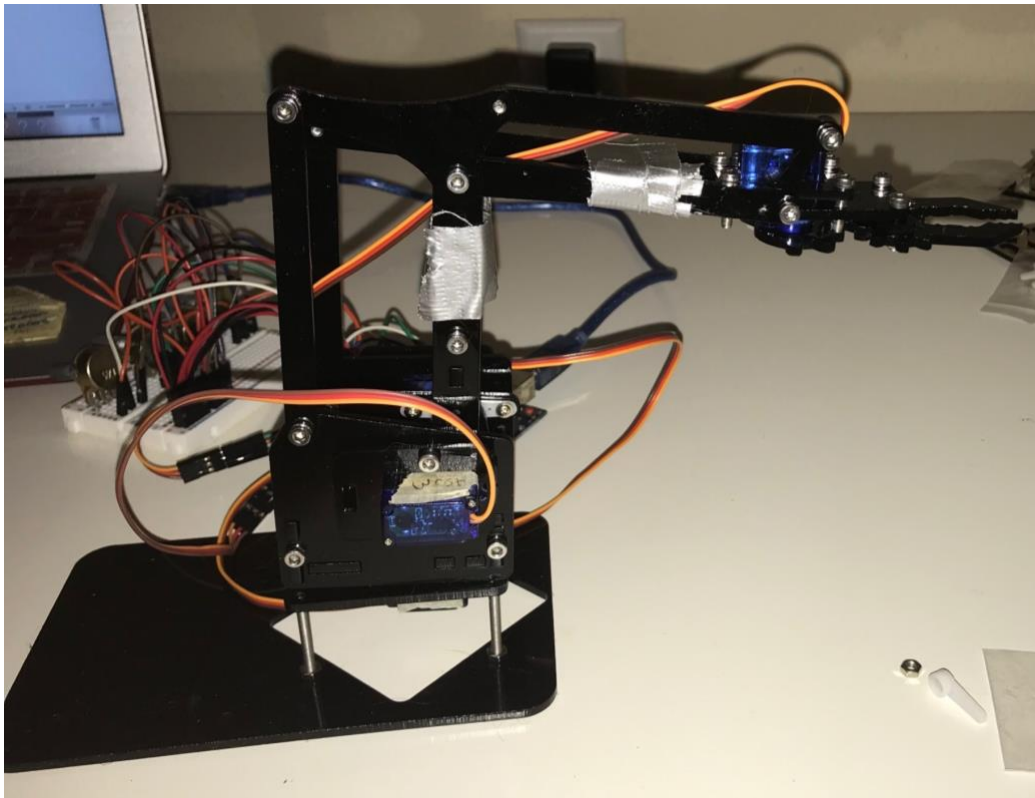
The screw needs to go into a hole in this piece. You may need to loosen other screws to make this work.



71. Use a medium or large screw to attach the top right side. Test to make sure the servo still works.



72. Put the robotic arm back on the base. Press down to pop the servo blade into the servo below it.



73. Use a tiny servo screw to secure the blade to the servo.

