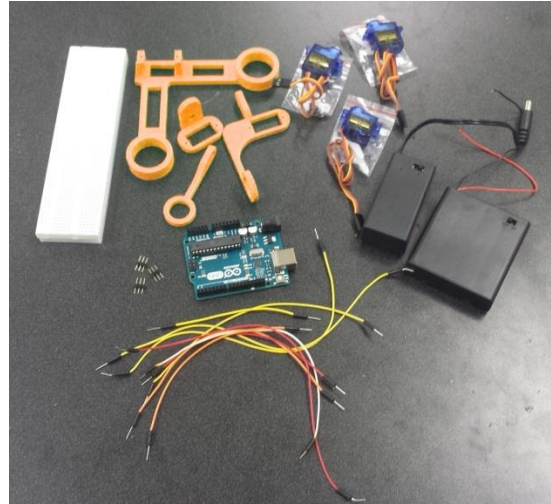


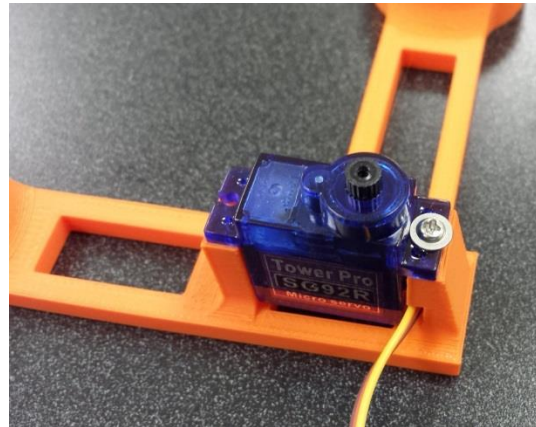
# Ping Pong Robot (after FLATE ATE )

Ensure you have all the parts necessary for your Ping Pong Robot. You should have:

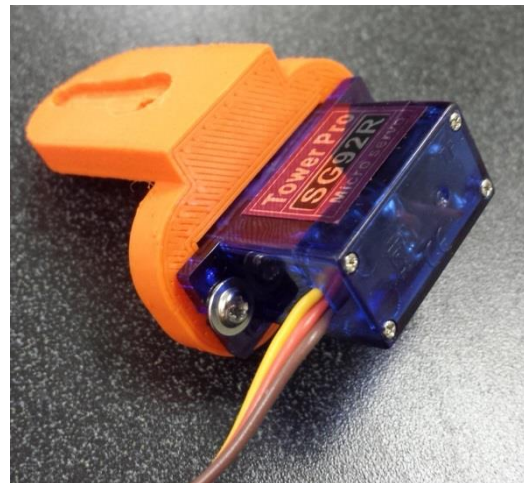
1. Large Gripper
2. Small Gripper
3. Rotator
4. Base
5. Servos (3)
6. 9 Volt Battery Pack
7. 6 volt Battery Pack
8. Arduino Uno
9. Breadboard
10. Jumper Wires
11. 3 Pin Headers (3)



Using only one of the two large screws, attach the servo to the Base. Fold the servo wire so it exits the channel in the mounting tab..

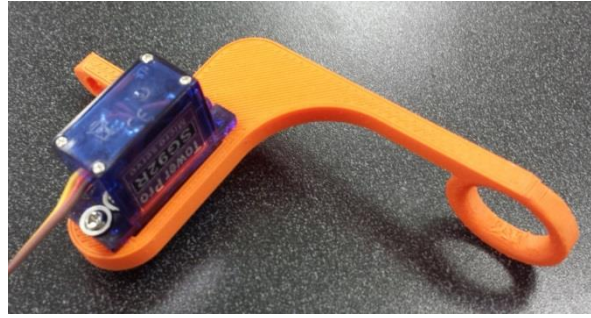


Use only one large screw to attach the servo from the bottom of the Rotator as shown.



## Ping Pong Robot (after FLATE ATE )

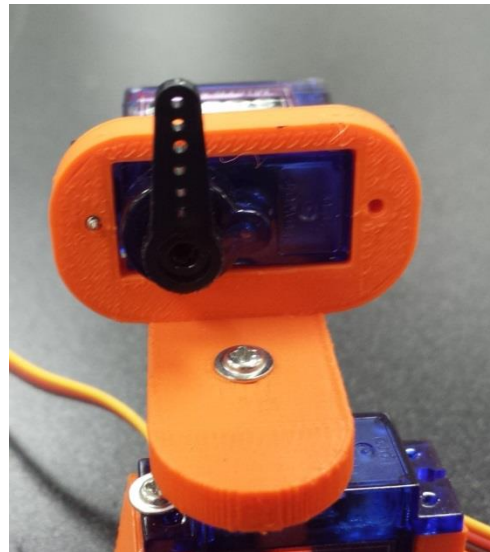
Attach the last servo to the bottom the large Gripper using one screw as shown.



Place the servo horn onto the Base servo. **GENTLY** rotate the horn counterclockwise as far as it will go. The geartrain is soft nylon and will strip easily. Remove the horn and replace it as shown.



Place the servo horn onto the Rotator servo and gently rotate the horn clockwise as far as it will go. Remove the horn if necessary and replace it as shown.

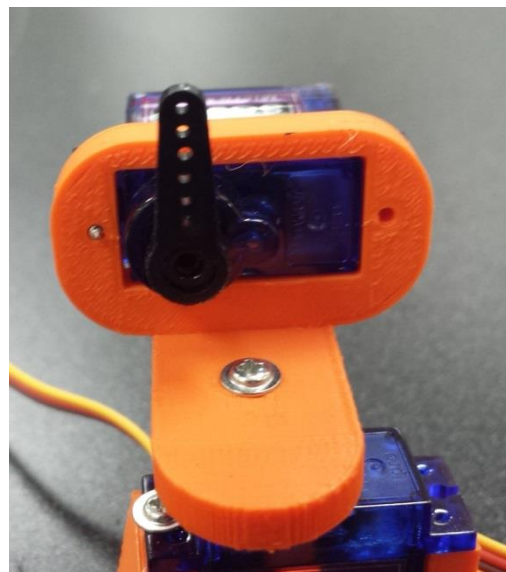


## Ping Pong Robot (after FLATE ATE )

Place the servo horn onto the Gripper servo.  
gently rotate the horn counterclockwise as far as it  
will go. Remove the horn and replace it as shown.



Using another large screw, attach the Rotator to  
the base servo as shown.

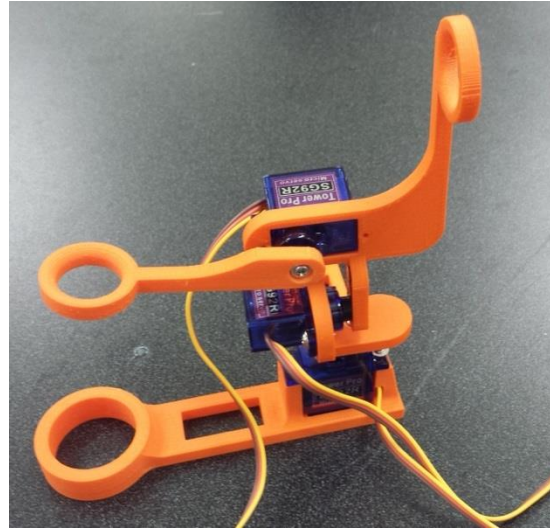


Attach the Large Gripper assembly to the Rotator  
servo with a large screw as shown.

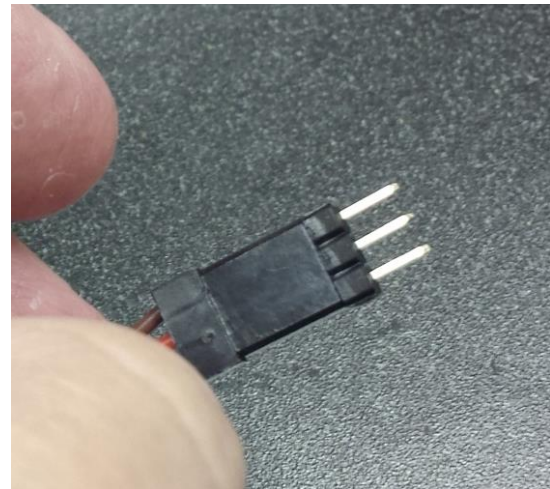


## Ping Pong Robot (after FLATE ATE )

Attach the Small Gripper to the Large Gripper servo as shown.



Insert a 3 Pin Header into each of the servo connectors.



## Ping Pong Robot (after FLATE ATE )

Using the wiring diagram, hook up the circuit.  
Check your work twice before connecting the  
batteries.

