SKU: 1210

Product Name: Humanoid Left Foot



Tools Required for Assembly

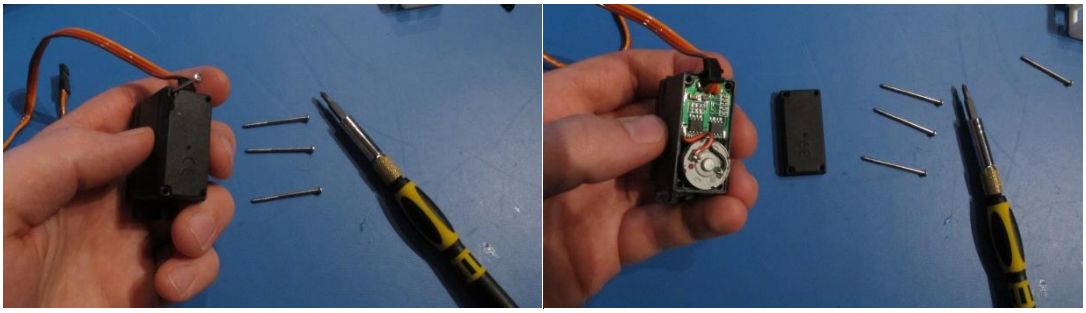
- Small Philips Screwdriver
- Small Robertson screwdriver

Required Components for Assembly

- #7 - Humanoid Foot Left Top Shell
- #8 - Humanoid Foot Left Bottom Shell
- #9 – Humanoid Left Ankle L Bracket
- #24 - Clip'n'Play Lever Servo C Bracket
- #38 - Humanoid Ankle Pin
- 2 x #72 - Heavy Duty Servo
- 8 x m2.6x6 Servo Mount Screws
- 2 x m2x6 Heavy Duty Servo Horn Screws

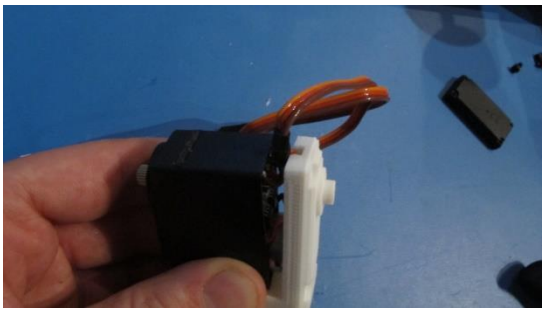
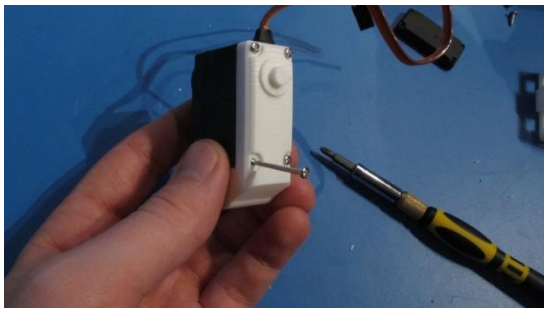
Step 1

Unscrew the back plate of one Component #72 and discard it. Put the long screws from the servo aside for the next step.



Step 2

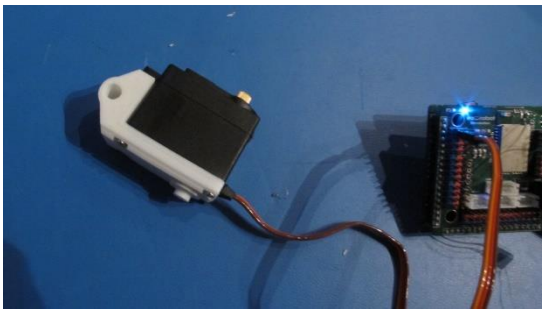
Replace the back plate with Component #3. Make sure to properly align Component #3 with the rubber bumper on the servo power cable. Refer to this Component #72 as #72a for the remainder of these instructions.

Step 3

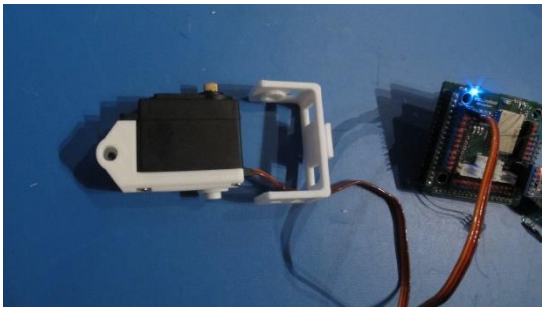
Calibrate Component #72a.

Attach Component #72a from the previous step to cable to port 0 on the calibration EZ-B. Power up the EZ-B. Open up EZ-Builder-Projects-Add-Servo-Horizontal Servo. Click on the Settings Button in the new Horizontal Servo Button (the gear). Change the “Min” to 1, and the “Max” to 180. Change the “Port” to D0. Click Save. Click Center in the Horizontal Servo Window.

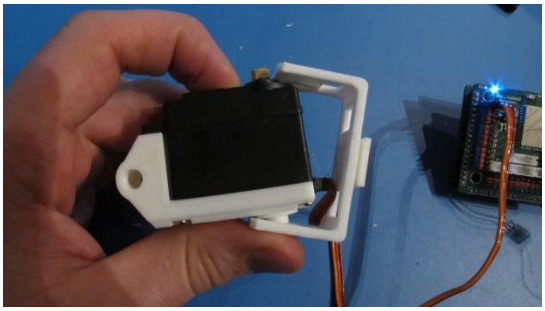


Step 4

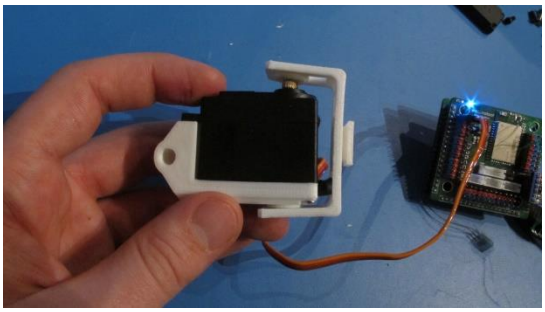
Keep Component #72a hooked up to the EZ-B. Line up Component #24 with Component #72a like the picture below. The larger hole on Component #24 should be aligned with the plastic nub on the bottom of Component #72a, and the smaller hole with the metal servo gear.

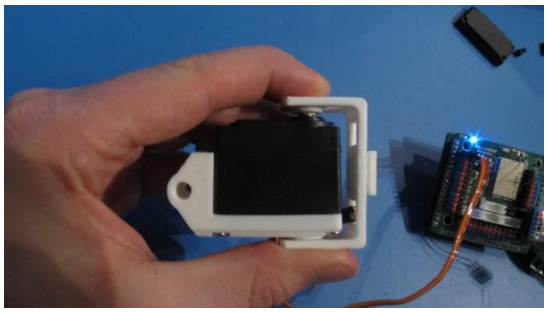


Carefully attach Component #24 Component #23 by first sliding the large hole over the small nub on the bottom.



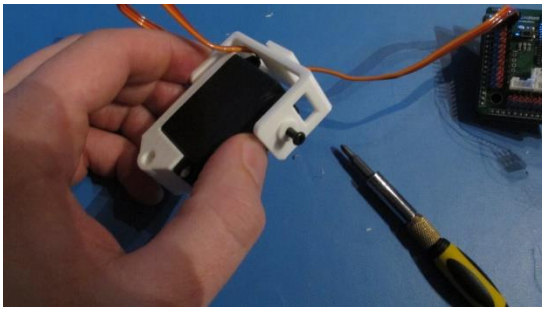
Then slide the smaller hole on Component #24 over the metal servo gear on Component #72. Ensure Component #24 is perfectly aligned with Component #72a. Squeeze the Component #24 onto Component #72a's metal servo gear until it fits snugly.





Step 5

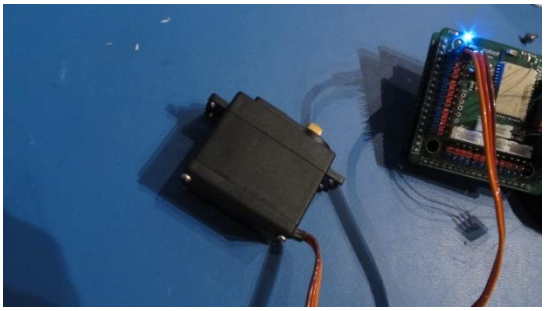
Secure Component #24 to Component #72a by screwing in the Servo Horn Screw hand tight. DO NOT OVERTIGHTEN.



Step 6

Calibrate the second Component #72b. Refer to this Component #72 as #72b for the remainder of these instructions.

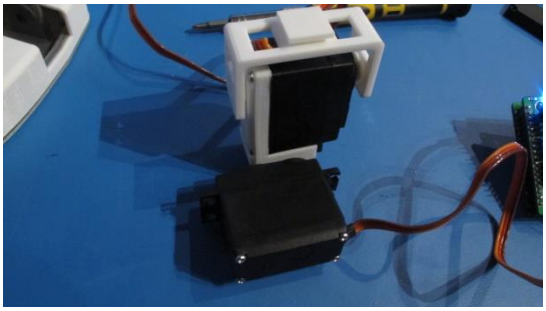
Attach Component #72b to cable to port 0 on the calibration EZ-B. Power up the EZ-B. Using the settings from the previous step, simply click “Center” in the Horizontal Servo Window.



Step 7

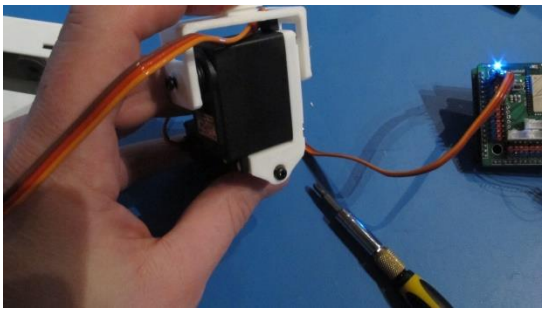
Keep Component #72b hooked up to the EZ-B. Line up Component #72b with Component #9 from the previous step like the picture below. Squeeze the Component #9 onto Component #72b’s metal servo gear until it fits snugly.





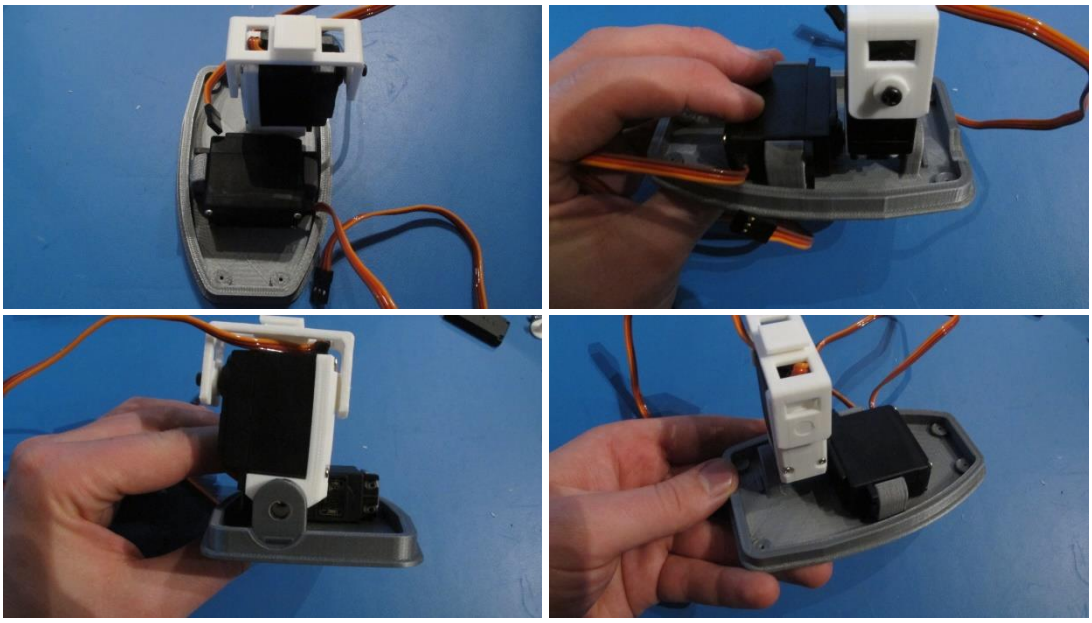
Step 8

Secure Component #9 to Component #72b by screwing in the Servo Horn Screw through the rear hole in Component #9 hand tight. DO NOT OVERTIGHTEN.



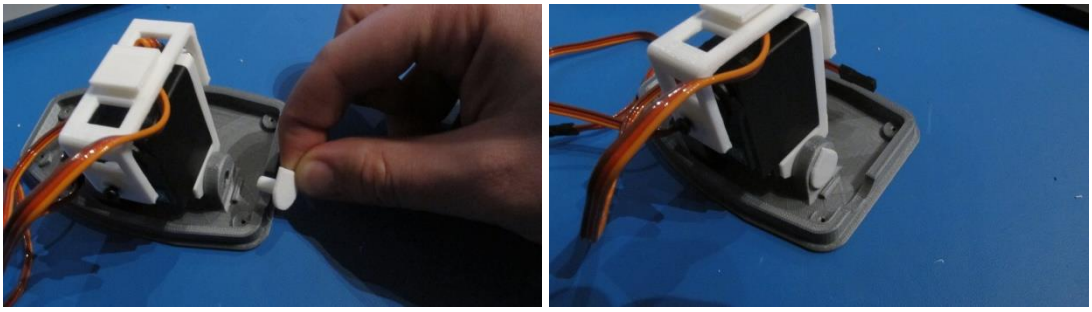
Step 9

Unplug the cable from the EZ-B. Carefully insert the components from the previous steps into Component #8. Make to the pices align like the picture below.



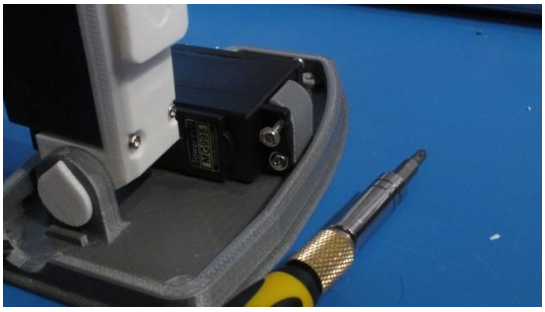
Step 10

Insert Component #38 into the hole in Componentn #8 connecting it to Component #9.

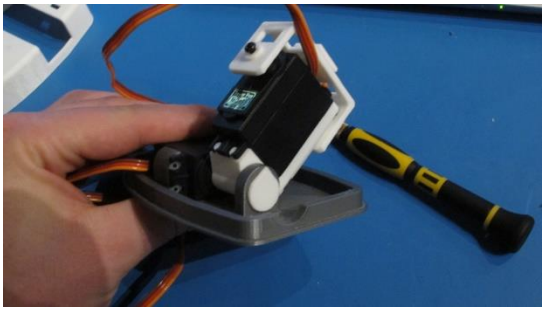
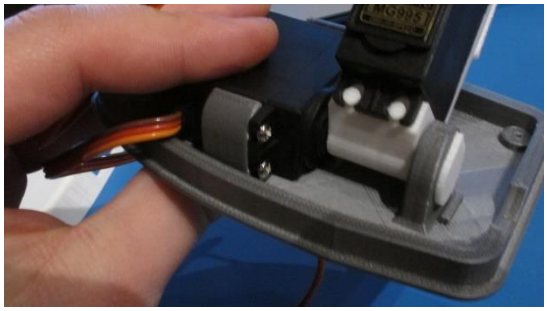


Step 11

Secure Component #72b to Component #8 using the Servo Mount Screws. First screw in the 2 screws on the right.



After they are secured, gently rotate Component #72a to the right, making the left side holes visible. Screw in those Servo Mount Screws in.

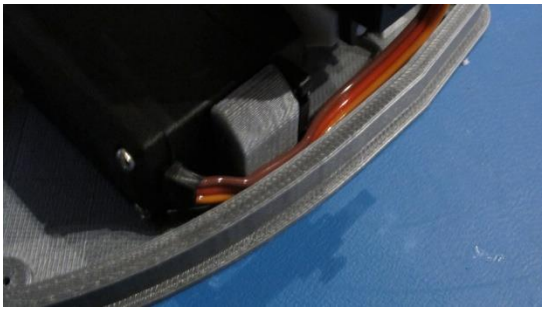
Step 12

Slide the Cable attached to the Component #72b through the small opening at the rear of Component #7, and Component #72a through the large opening.



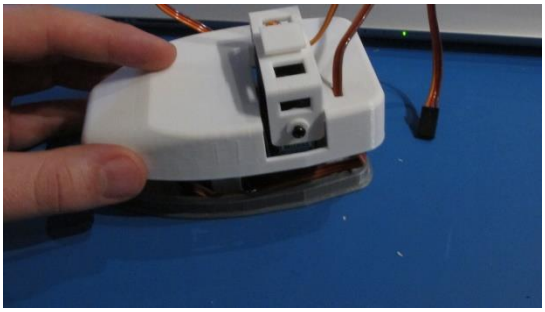
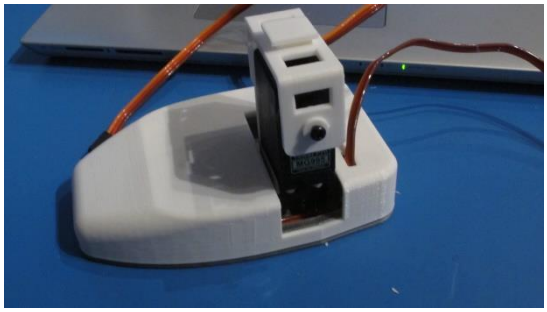
Step 13

Push the cable attached to Component #72b into the small gap pictured below so it does not pinch during final assembly.



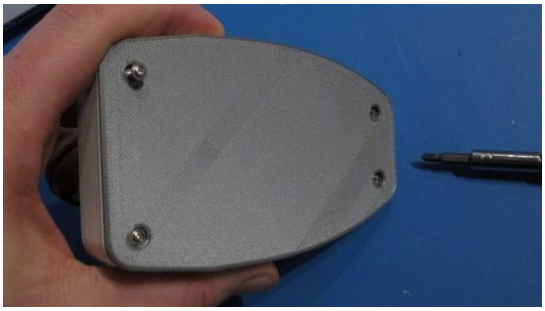
Step 14

Slide Component #7 over the other components like in the picture below so it fits securely. Make sure no wires have become pinched.

Step 14

Secure Component #7 to Component #8 by screwing in the remaining four Servo Mount Screws on the bottom of the feet



COMPLETE

