

## Light-Weight Wrist Rotate Assembly Guide.

**Safety first!** Wear eye protection and never touch a powered robot!

Note: Loctite or thread locks can be used on the construction of the aluminum components. However, don't use them with Lexan, as they are not necessary and may cause damage.



**Image of complete arm.**

### Step 1.

Remove the gripper assembly from the "C" bracket. Remove the Little Grip from the Little Grip Connector. Set the "C" bracket and Little Grip Connector lexan aside; they will not be used with the wrist rotate.



Figure 1.

### Step 2.

Drop the HS-85BB into the wrist rotate bracket from the top as shown. Use the following diagram for attachment information. Make sure the servo is in center position and remove the servo horn. Be careful to not turn the servo shaft.

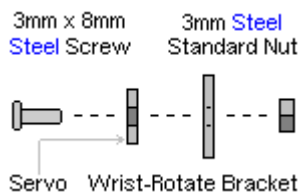


Figure 2.

### Step 3.

Attach the Little Grip to the HS-85BB servo as shown. Push it onto the servo, and secure with the servo horn screw. Tighten this down snugly.



Figure 3.

### Step 4.

Make sure the HS-422 servo is aligned to mid-position, and the gripper is halfway open. Now the servo and gripper will be aligned correctly. Remove the servo screw and horn. Slide the servo into the gripper from the bottom. You may need to wiggle it a bit to get it seated properly. Use the servo screw to attach the servo. Tighten this down, but then unscrew it half a turn. Too much friction can bind the servo.

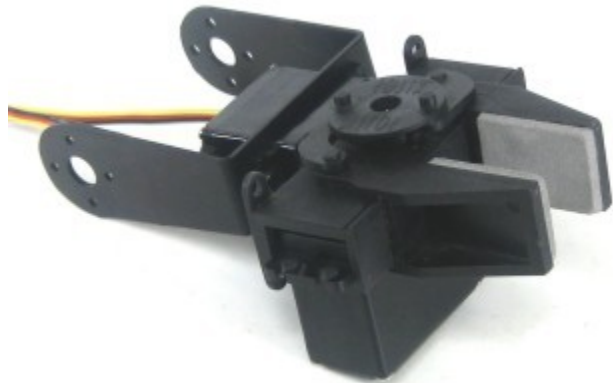


Figure 4.

### Step 6.

Slip the gripper assembly back onto the arm assembly, and attach with two #2 x .250" tapping screws. Add a 6" or 12" extender cable (or both, if necessary) to the wrist rotate servo, and plug into channel 5 on the SSC-32. Use wire ties to tidy up the wires.

2 x

#2 x .250" (1/4") Steel  
Phillips Head Tapping Screw

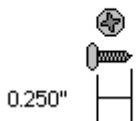


Figure 6