


# Assemble the Servo Package

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## How to assemble the servo package for the GoPiGo Raspberry Pi Robot.

Click on any of the images below for a more detailed view of the process. [You can find the Servo Package here.](#)

### 1. Unpackage the Servo Package

Open up the contents of the servo and separate them out. You should have two bags of screws, a bag of acrylic parts, and a servo package.

The GoPiGo Servo Package, Packaged.

The contents of the GoPiGo Servo Package. Two bags of screws, a bag of acrylic parts, and the servo.

Find the two acrylic “T”s and the faceplate.



### 2. Assemble the Servo Package

First, place the servo into the faceplate. Three pictures are shown below of the servo placed into the faceplate. The ledge of the servo, opposite the servo shaft (the white piece of plastic coming out of the servo), should be placed through the slot on the bottom of the acrylic faceplate.

Placing the servo into the faceplate.



Slide the two “T”s provided in, through the front of the faceplate, alongside the servo.

“T”s are shown inserted correctly here.

Place the long screw supplied with the servo package through the two holes at the end of the “T”s.

Long screw inserted behind the servo, through the “T”s.

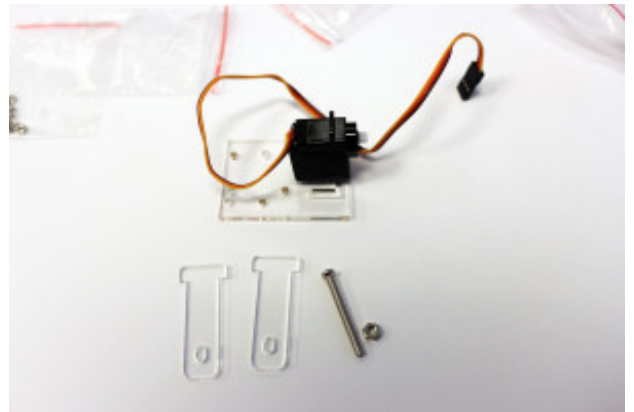
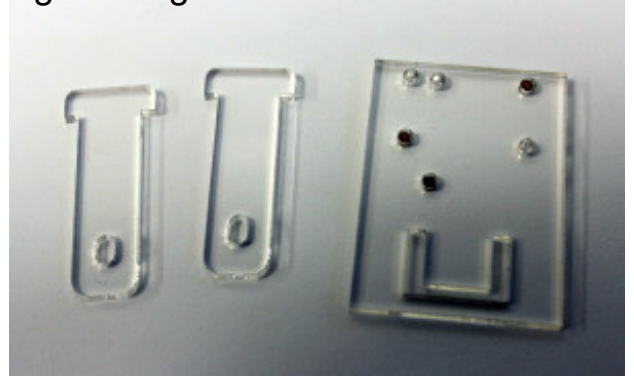
Slide the white servo lip onto the servo shaft.

Servo lip attached.

Connect the servo lip to the servo with a small woodscrew.

Find the small wood screws that came inside the servo package.

Take one of the small woodscrews and connect the servo to the servo lip.

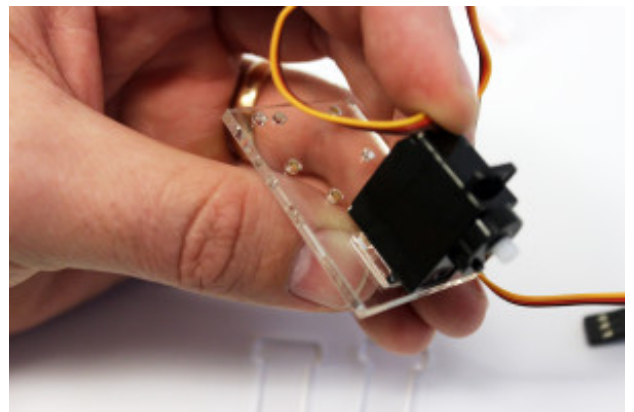


### 3. Attach the Servo to the GoPiGo Chassis

The GoPiGo has two places where the servo can be attached. One slot on top canopy, and one slot on the bottom chassis.

Top canopy slot in focus.

Bottom servo mount in focus, on the chassis.

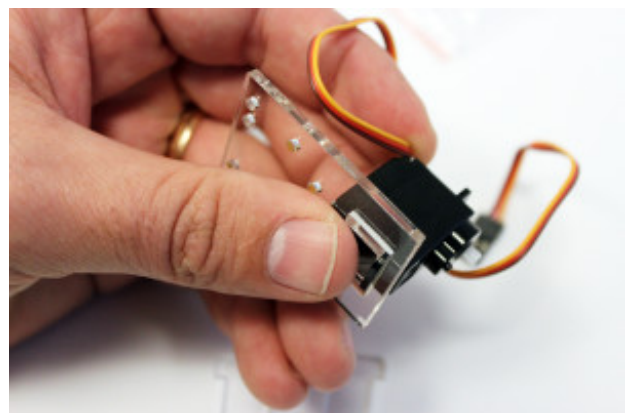


Both servo mounts in focus on the front of the GoPiGo.

Open up the holes in the servo lip by screwing in one of the included large woodscrews.

Pick two holes on the lip, screw the woodscrew in, and unscrew it.

Widening the holes on the servo lip.



Invert the GoPiGo. Screw the servo into the slot running down the GoPiGo.

Add a second screw for more stability.

Turn it right-side up.

## 4. Connect the Servo to the GoPiGo Board

Finally, electrically connect the servo to the GoPiGo.

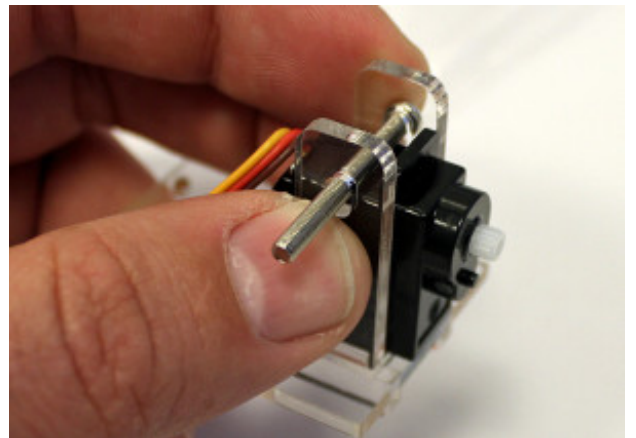
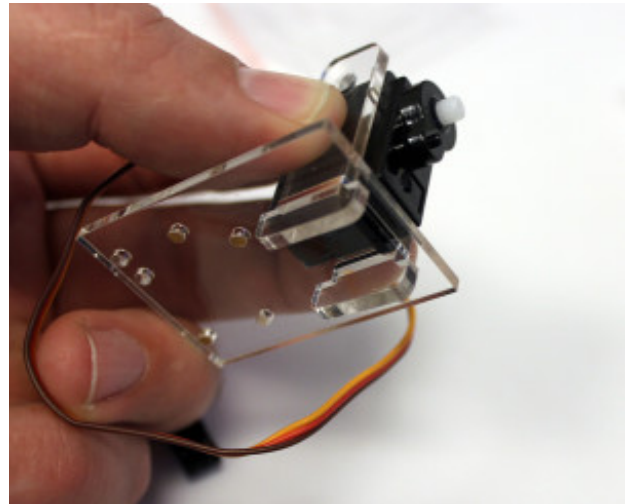
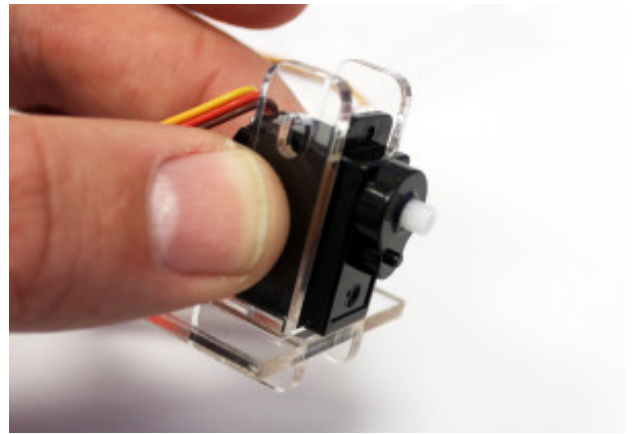
### GoPiGo1

These instructions are for the GoPiGo1. The servo cable orientation is reversed on the GoPiGo2. The brown wire is ground, and this should be connected to the GoPiGo board so that it's facing the small robot painted on the board. In the picture below, the brown wire and the robot are pointed to by two red arrows.

Arrows pointing out the brown wire and the white robot. Attach the servo cable so that it's oriented in such a fashion that it points towards the white robot. Note this picture is of the GoPiGo1: the cable direction is reversed on the GoPiGo 2.

### GoPiGo2

These instructions are for the GoPiGo2. The servo cable orientation is reversed from the GoPiGo1. The servo cable connects on the bottom of the GoPiGo2. The brown wire is ground, and this should be connected to the GoPiGo board so that it's facing away from the small robot painted on the board.



Servo cable orientation on the GoPiGo2.

Servo orientation on the GoPiGo2.

## Questions?

[Please ask on our forums!](#)

