# Servo-Driven Base Pan Kit

**Make sure your kit includes the following parts:**

(3) 1/4” ABS Plastic Plates
(1) Plastic Tube
(4) M4 x 10mm Zinc-Plated Socket Head Screws
(4) M4 x 12mm Zinc-Plated Flat Head Screws
(8) #4 x 1/2” Black Flat Head Screws
(4) M4 x 30mm Length Aluminum Standoffs
(1) Servo Hub-Shaft
(1) 10mm Bore Flanged Bearing (Pre-installed)

### Tools needed:

#1 Phillips Head Screwdriver
#2 Phillips Head Screwdriver
3mm Hex Key

## Assembly Instructions

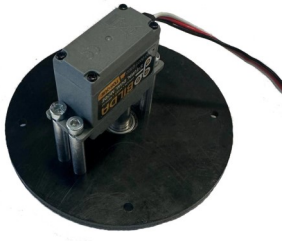
This kit will work with a standard size servo. We will be using a 25T spline goBILDA® servo in the instructions.

**1.** Using a #2 Phillips Screwdriver and (4) M4 x 12mm Zinc-Plated Flat Head Screws, attach the (4) M4 x 30mm Length Aluminum Standoffs to the smooth side of the ABS Servo Plate which has the pre-installed bearing.

**Pro Tip:** if the standoffs spin while attempting to tighten, you can tighten them after the servo has been installed in step 4.

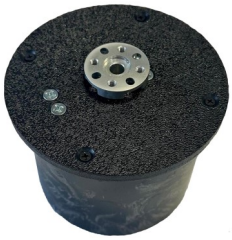
**2.** From the textured side of the ABS plastic, slide the Servo Hub-Shaft through the 10mm Bore Flanged Bearing.

**3.** Insert the servo into the spline of the Servo Hub-Shaft. If your servo has plastic gears, the fitment may be tight. When the stock servo screw is installed (in step 7) it will ensure that the Hub-Shaft is fully seated onto the servo.



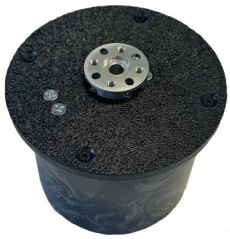
**4.** Using a 3mm Hex Key and (4) M4 x 10mm Zinc-Plated Socket Head Screws, attach the servo to the bottom of the Aluminum Standoffs. Make sure to start all 4 screws prior to tightening down any of the screws to allow proper alignment between the servo and the Hub-Shaft.

Don’t forget the Pro Tip mentioned in step 1.

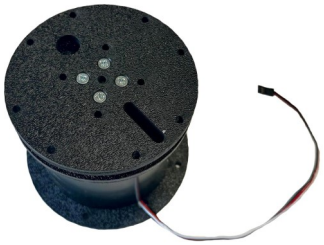


**5.** Using a #1 Phillips Screwdriver and (4) #4 x 1/2” Black Flat Head Screws, fasten the Plastic Tube to the Pan Assembly you created in steps 1-4.

**6.** Using a #1 Phillips Screwdriver and (4) #4 x 1/2” Black Flat Head Screws, fasten the ABS Plastic Bottom Plate to the Tube. Make sure the servo wire is aligned with the cut-out to keep from pinching it during assembly.



**7.** Using the appropriate tool, install the stock servo screw while holding the Servo Hub-Shaft so that the servo does not rotate as you tighten the screw.



**8.** Using a #2 Phillips Screwdriver and (4) M4 x 12mm Zinc-Plated Flat Head Screws, attach the ABS Top Plate to the threaded holes of the Servo Hub-Shaft.
If you wish to attach a camera, tilt system or goBILDA® component to the top of the pan system, you can leave this plate off and fasten the item directly onto the Hub-Shaft using appropriate M4 screws.