

## DDP125 Pan

**Make sure your kit includes the following**

- (1) ABS Plate
- (12) 6-32 x 3/8" Pan Head Phillips Screws
- (4) .625" Length Aluminum Standoffs
- (1) Servo Shaft Hub (525122 or 525123)
- (1) 1/2" Bore Flat Bearing Mount

### Tools needed:

- #2 Phillips Head Screwdriver
- #1 Phillips Head Screwdriver



## DDP125 Assembly Instructions

This kit will work with standard size Hitec (or Futaba) servos. We will be using the Hitec HS-5485HB servo in the instructions.



**1.** Attach the 1/2" Bore Flat Bearing Mount to the rough side of the ABS plate with (4) 6-32 x 3/8" Pan Head Phillips Screws.



**2.** Attach the (4) .625" Length Aluminum Standoffs to the smooth side of the ABS plate using (4) 6-32 x 3/8" Pan Head Phillips Screws.



**3.** Slide the Servo Shaft Hub through the 1/2" Bore Flat Bearing Mount.



**4.** Put the servo onto the Servo Shaft Hub. If your servo has Karbonite gears the fitment may be very tight. Once you get it started, you can pull the horn onto the servo by installing and tightening down the stock servo screw in step 5.



**5.** Attach the servo to the .625" Standoffs using (4) 6-32 x 3/8" Pan Head Phillips Screws. Make sure to install all 4 screws prior to tightening down for proper alignment. Next, install the stock servo screw into the servo to hold the Servo Shaft Hub on.

*The Servo Shaft Hub contains the .770" hub pattern. You can attach nearly any Actobotics component to the top of this pan system using 6-32 screws. The tapped portion is 0.2" thick so to calculate the proper screw length, measure the thickness of the material you wish to attach to the top of the Servo Shaft Hub and add 0.2".*

*You'll notice the ABS pan plate has several unused holes. These holes align with the repeated 1.5" pattern found on the Actobotics Channel. To attach this pan system to channel, you can use 6-32 aluminum threaded standoffs and 6-32 screws.*

*To attach the DDP125 Pan system to a tripod or a flat surface, the DDP-BM base mounting kit can be used. It comes with a flat plate and the necessary hardware to create a base for the DDP125 to rest on. The hub pattern in the center of the DDP-BM can be used to attach a 1/4-20 or 3/8-16 screw plate if you intend to install the pan system onto a tripod.*