

This kit is designed to work with Hitec HS-55 and HS-5055MG servos. Other brand and types of servos may work as well.

Tools needed:
 Phillips Head Screwdriver
 Pliers
 Super Glue or Double Sided Tape

SPT50 Sub-Micro Pan & Tilt Mount

- Read the instructions before you begin assembly and familiarize yourself with the parts involved.



1. Install the large servo gear on the servo with one of the smallest supplied washers and the factory servo screw.



2. Insert the 4-40x3/4" flat head screw through the countersunk hole in the plate shown above.



3. Slide one of the medium sized washers on the screw, followed by the small gear and the 4-40 standard nut. Tighten the nut to hold the pan assembly together.



4. Slide the last remaining medium sized washer on the screw of the pan assembly, followed by a large sized washer and the servo mount as shown above. Next put the last remaining large sized washer on followed by the 4-40 lock nut. Tighten the lock nut and then loosen it just enough so that the pan assembly can rotate independently from the servo mount. Having the lock nut too tight will cause the pan axis to drag when operating.



5. Attach the servo to the bottom side of the servo plate as shown using the supplied #2 pan head screws.



6. Attach the tilt structure to the tilt servo using the last remaining small sized washer and the factory servo screw. The top plate is a tight press fit and has been pre-installed onto the upright. Super Glue can be used to permanently join these pieces together if desired.

7. Using Super Glue or double sided tape, attach the tilt servo to the pan plate as shown. Your system is now complete.



This kit includes:

- (6) Nylon Parts
- (1) 4-40 Lock Nut
- (1) 4-40 Standard Nut
- (1) 4-40x3/4" Flat Head Screw
- (2) small sized washers
- (2) medium sized washers
- (2) large sized washers
- (2) #2 Pan Head Screws