

Mounting the GPS Add-On Kit on the Dragon DDK

Recommended Tools

- 2mm Hex wrench
- 5.5mm hex nut driver
- Curved tweezers
- Phillips head screwdriver

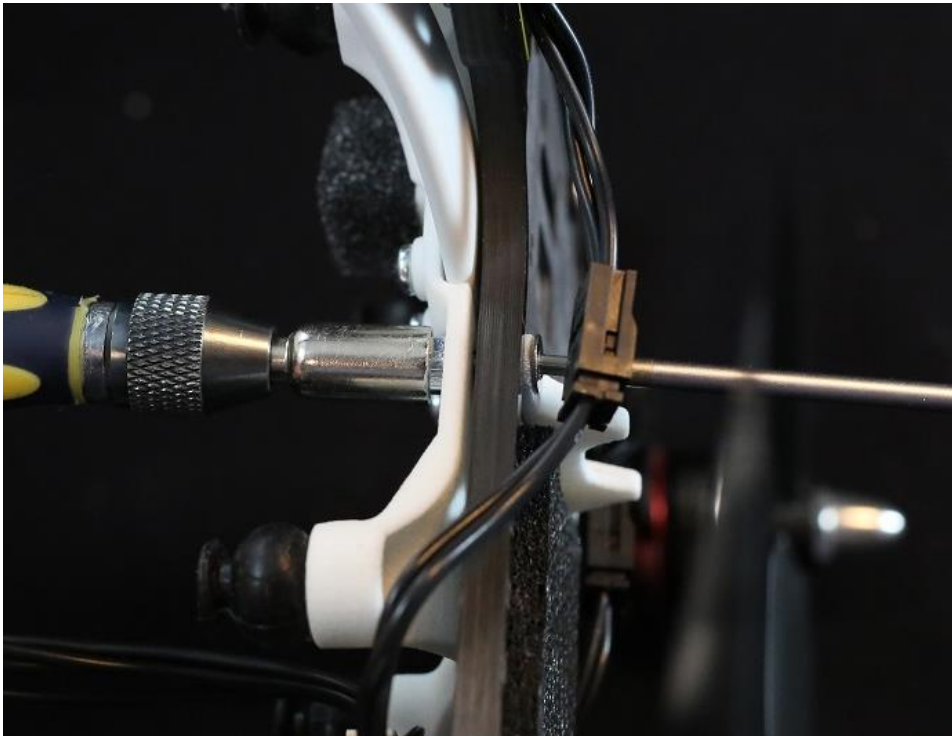
Assembly Instructions

**Note* This is assuming that the Dragon DDK has already been assembled with the Snapdragon Flight™ board and ESC into a full drone. Certain steps may look different if the drone is not yet assembled.*

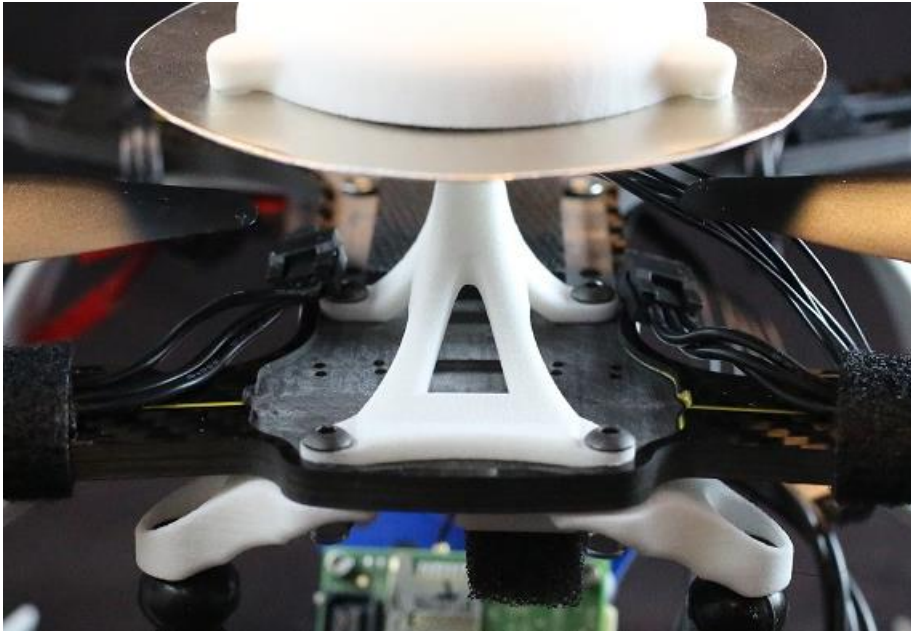
1. Viewing the drone from the bottom, remove the Snapdragon Flight™ board from the four dampers by pushing the flange of the dampers through the holes in the blue plate with a dull instrument, as shown below. It is not necessary to remove the other cables from the flight board. Take care not to damage the suspended flight board throughout the next several steps.



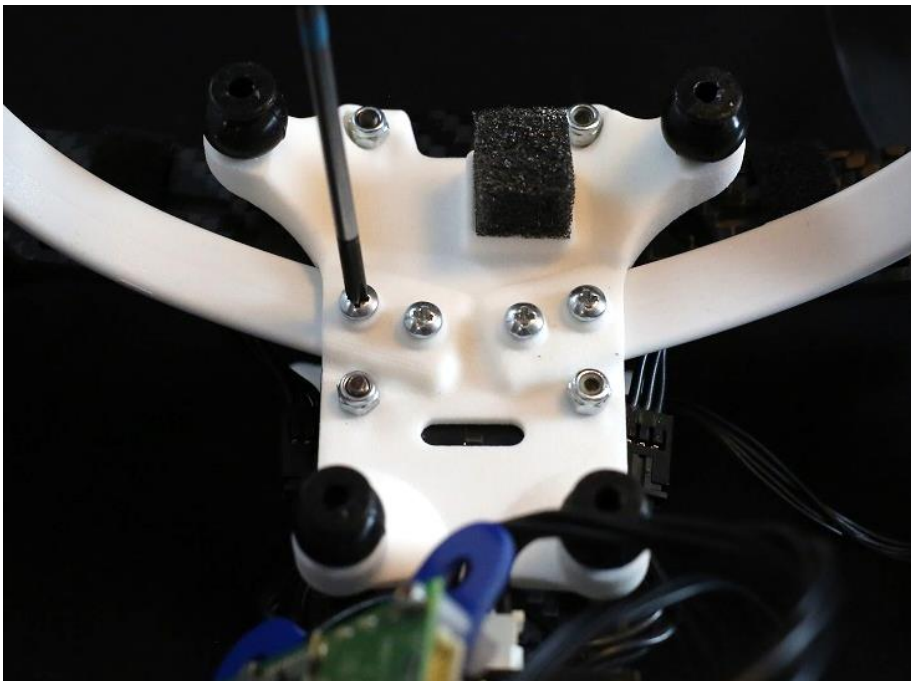
2. Remove all four screws holding the Snapdragon Flight™ Adapter in position, as indicated in the two pictures below. Note that the front two landing gear will be loose once the adapter is removed. Remove them along with the adapter.



3. Align the GPS Mount with the four holes on the top of the frame from which the screws were just removed such that the vertical face of the mount faces back toward where the battery rests, as shown below. Realign the loose Snapdragon Flight™ Adapter in its original position, and insert four M3x12mm screws into each of the four holes of the GPS mount, securing them with the original nuts.



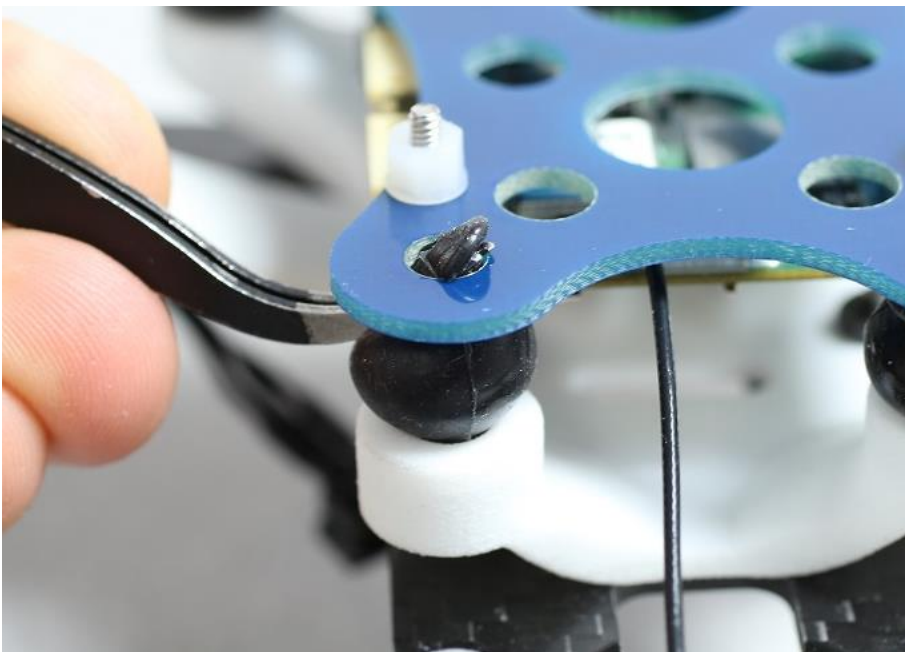
4. Reinsert the two landing gear, first loosening the set screws in the Snapdragon Flight™ Adapter, and then retightening them so that the landing gear are secure.



5. The next step is to reattach blue plate on which the Snapdragon Flight™ board is mounted to the dampers. To do this, pinch the neck of one of the dampers curved tweezers such that the end of the tweezers lines up with the end of the damper, as shown below.



6. Insert the squeezed end of the damper through the large hole in the corner of the blue mount plate such that the Snapdragon Flight™ board is down, toward the adapter and frame, as illustrated below. Be careful not to puncture or rip the damper during this process.



7. Once the damper is poking through, grab the other end with fingers and begin to pull it through the hole, as shown in the example below. Continue to pull and reposition the top flange until it is entirely through the hole and rests flat on the other side of the blue mount plate.



8. Repeat this process for the other three dampers until they are each fully inserted into the blue mount plate, as visible below. Note the gray foam protruding from the Snapdragon Flight™ Adapter, and make sure that it fits straight down onto the circuit board. This covers the barometer to ensure that it is protected from light interference.



9. Finally, route the GPS cable through the hole in the center of the mount and out the left side, as pictured in the following photo. This ensures that the cable will not come into contact with the propellers while they are spinning. Plug the cable into the connector next to the power connector on the Snapdragon Flight™, as indicated with the yellow arrow below.

