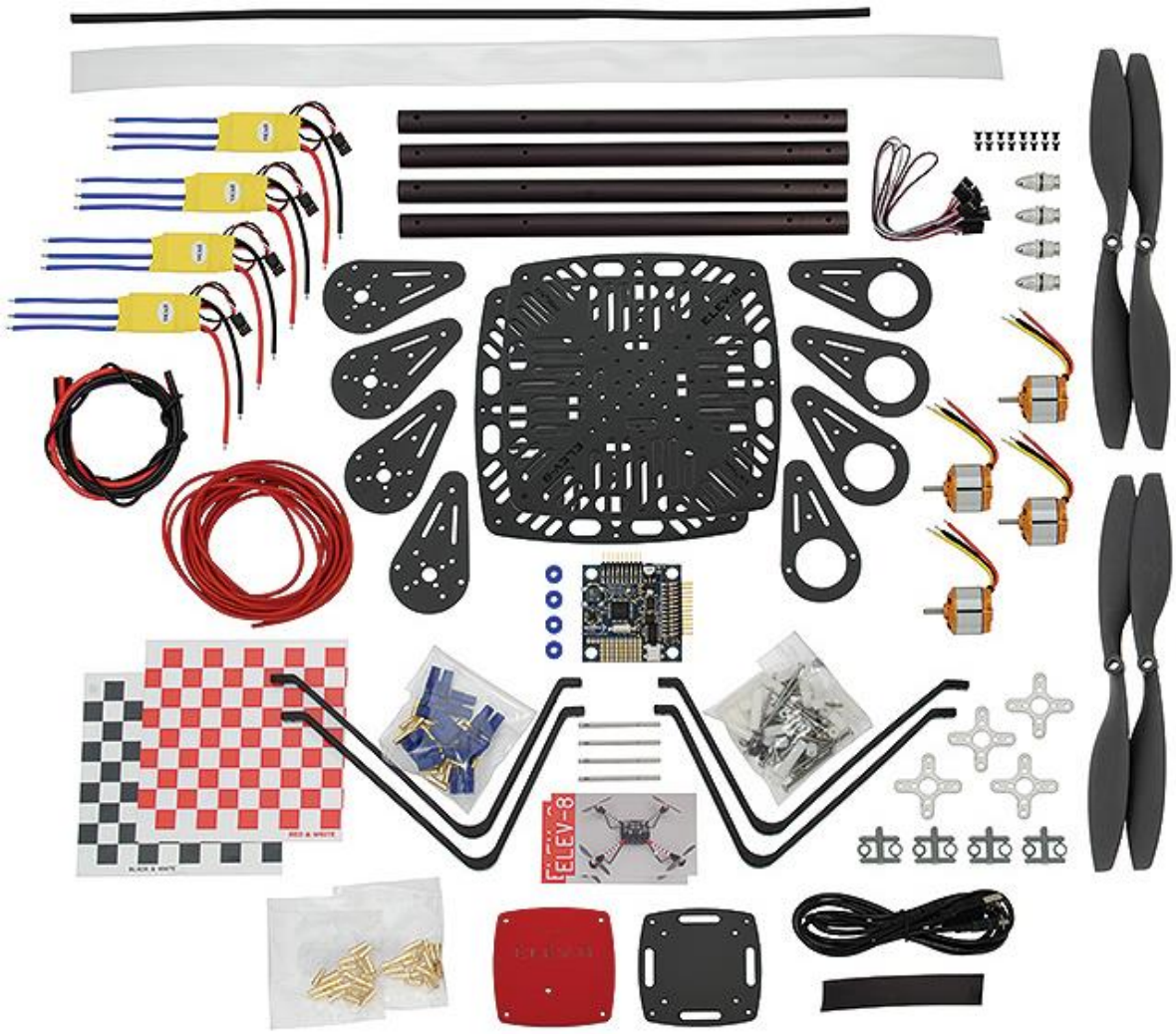
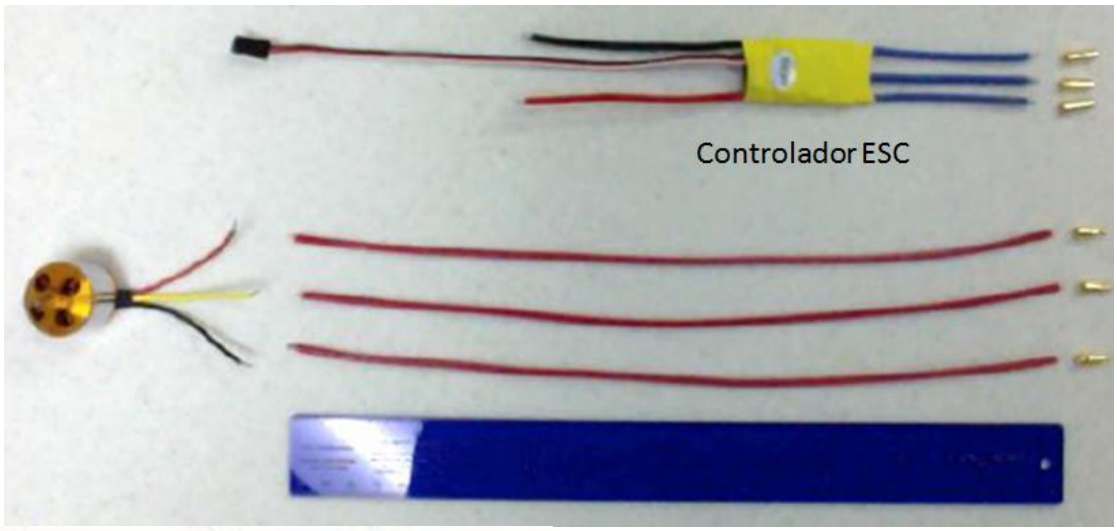
Manual de ensamblado de Cuadracóptero

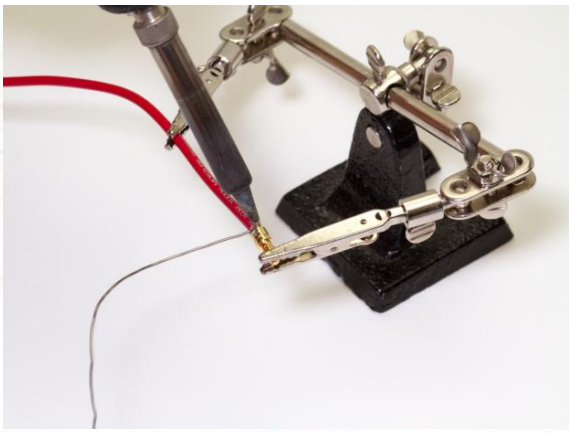
Material necesario para ensamblar el cuadracóptero

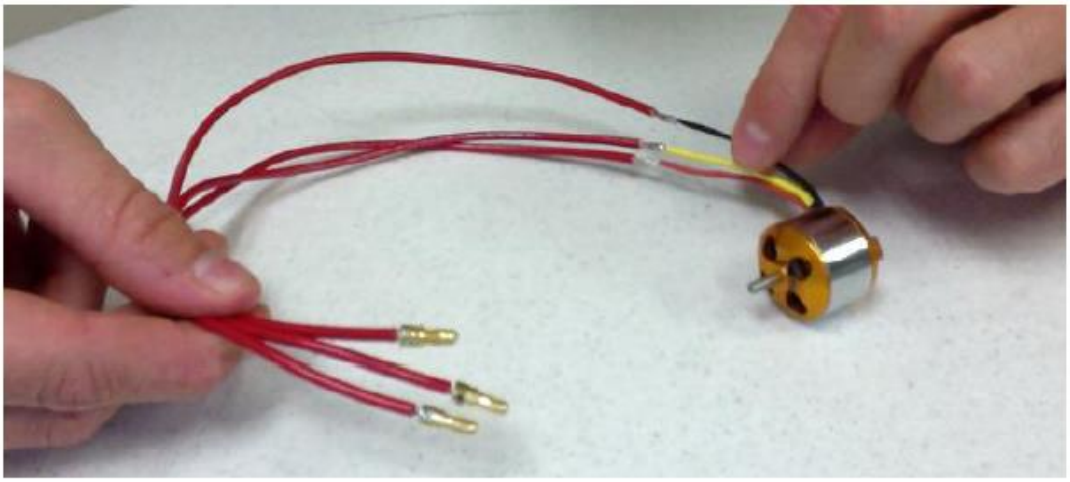


Paso 1

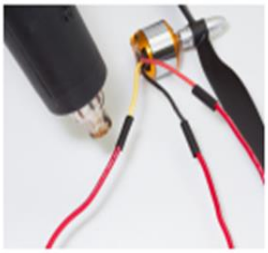
Soldar terminales en el controlador ESC del motor y en el motor mismo, dando una longitud a los cables de al menos 30 cm.

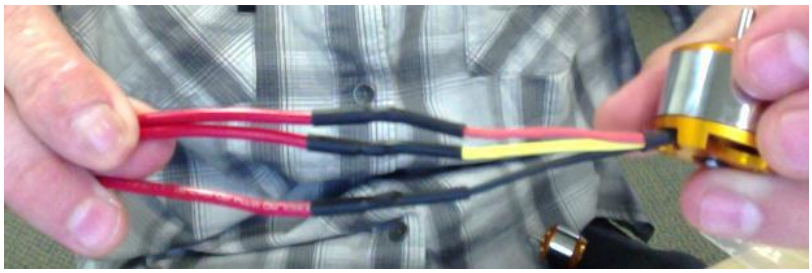






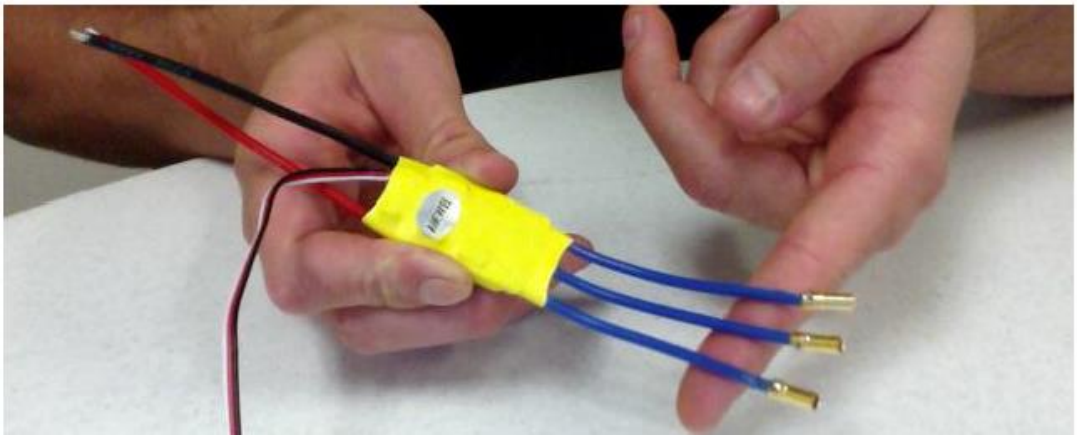
Una vez que el motor tiene los cables y conectores soldados se deben aislar las uniones.

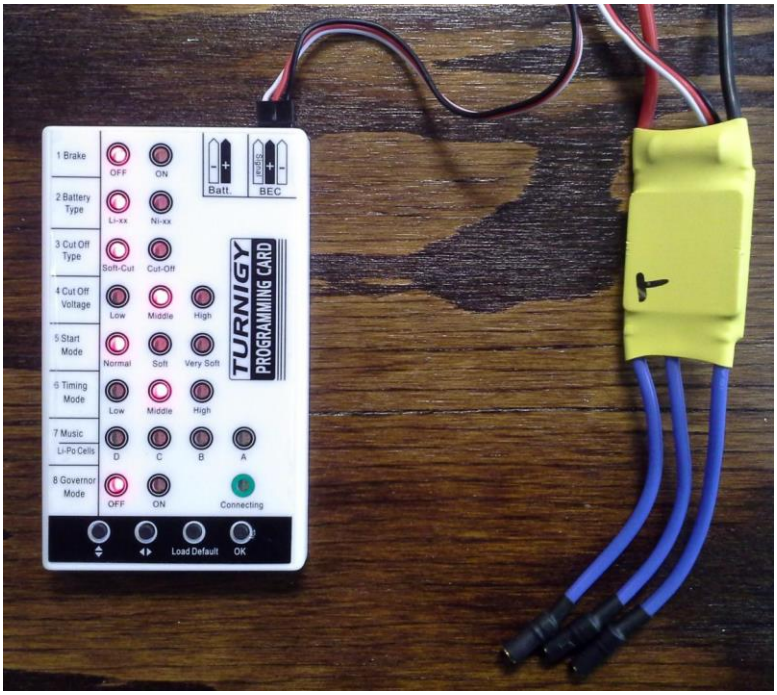




Paso 2

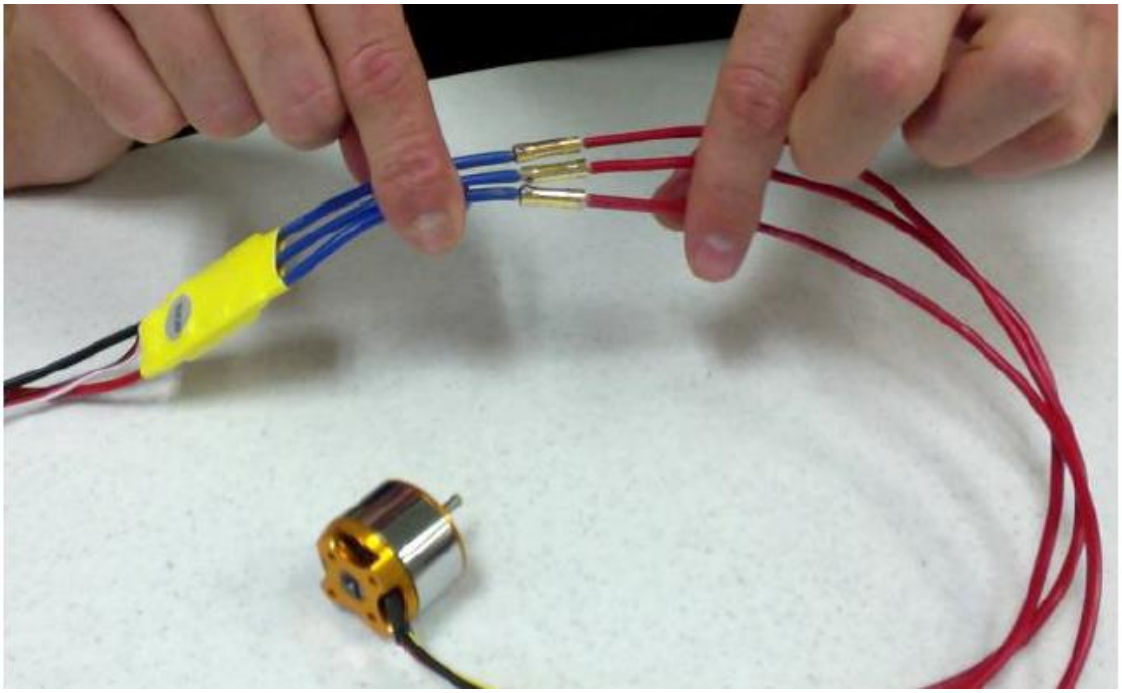
Programación de los controladores de motor.





Paso 3

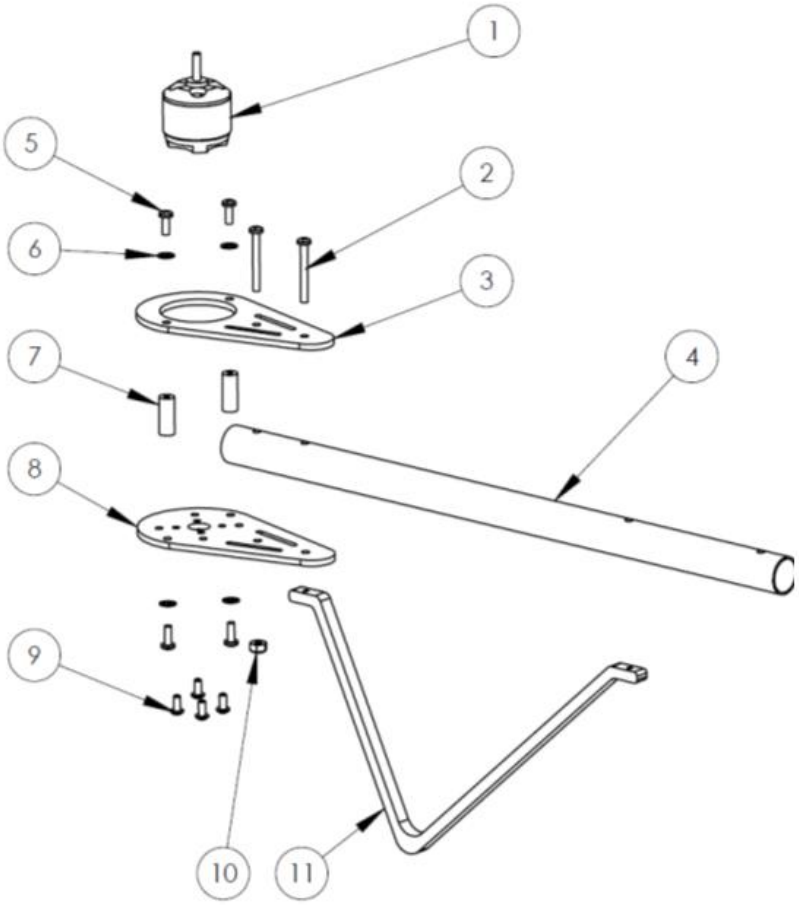
Conexión de los controladores con los motores

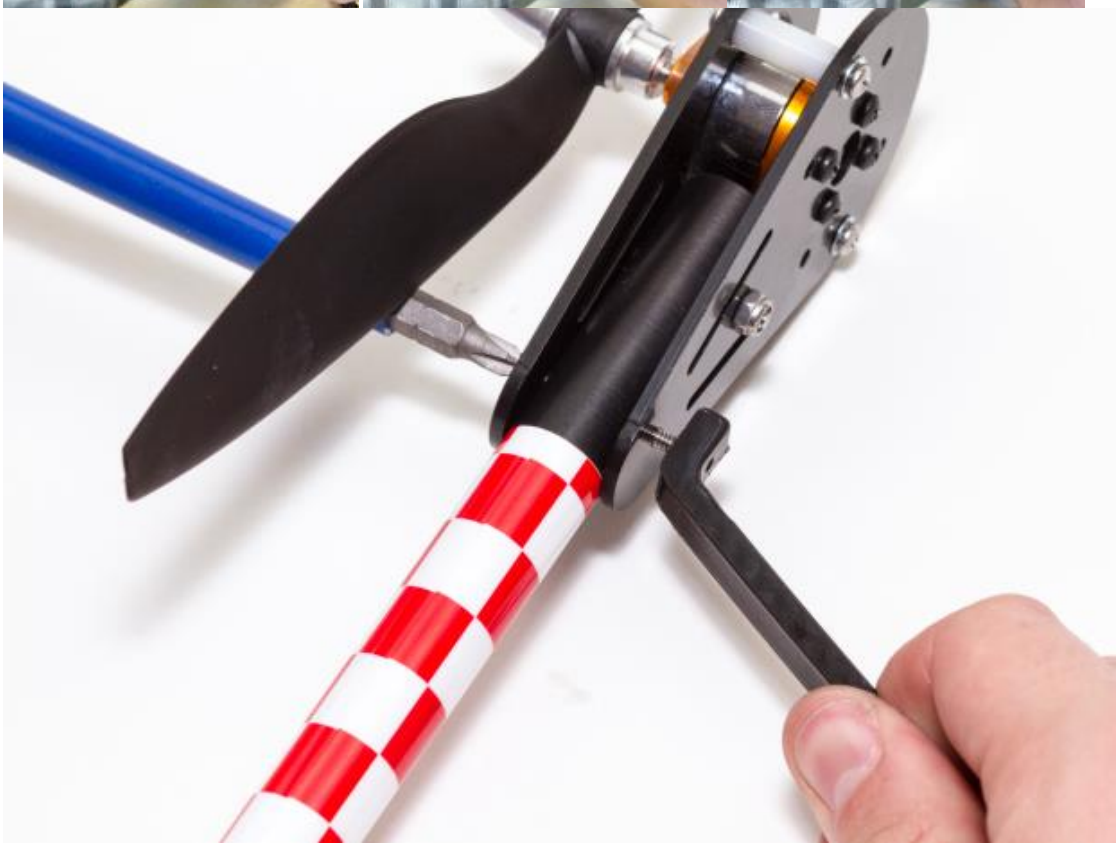


Colocar las terminales en el controlador del motor y una vez colocadasque las terminales están en su lugar se deben aislar eléctricamente.

Paso 4

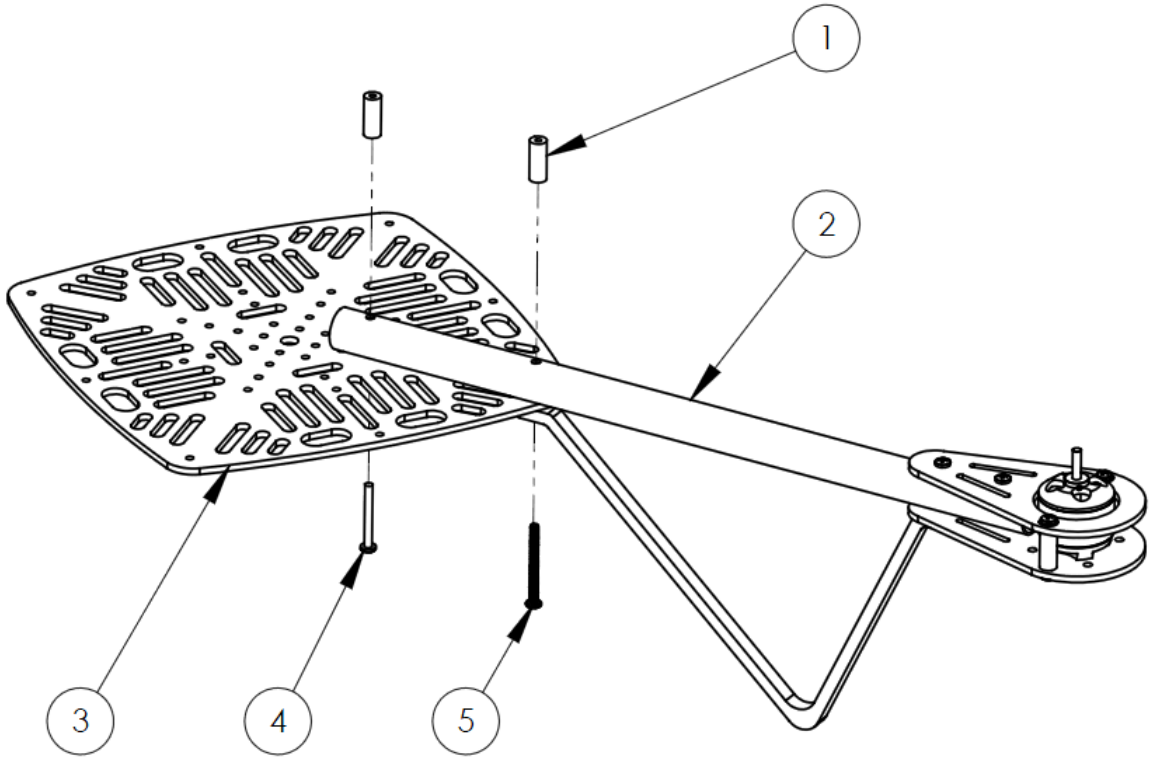
Armado de la estructura y motaje de los motores

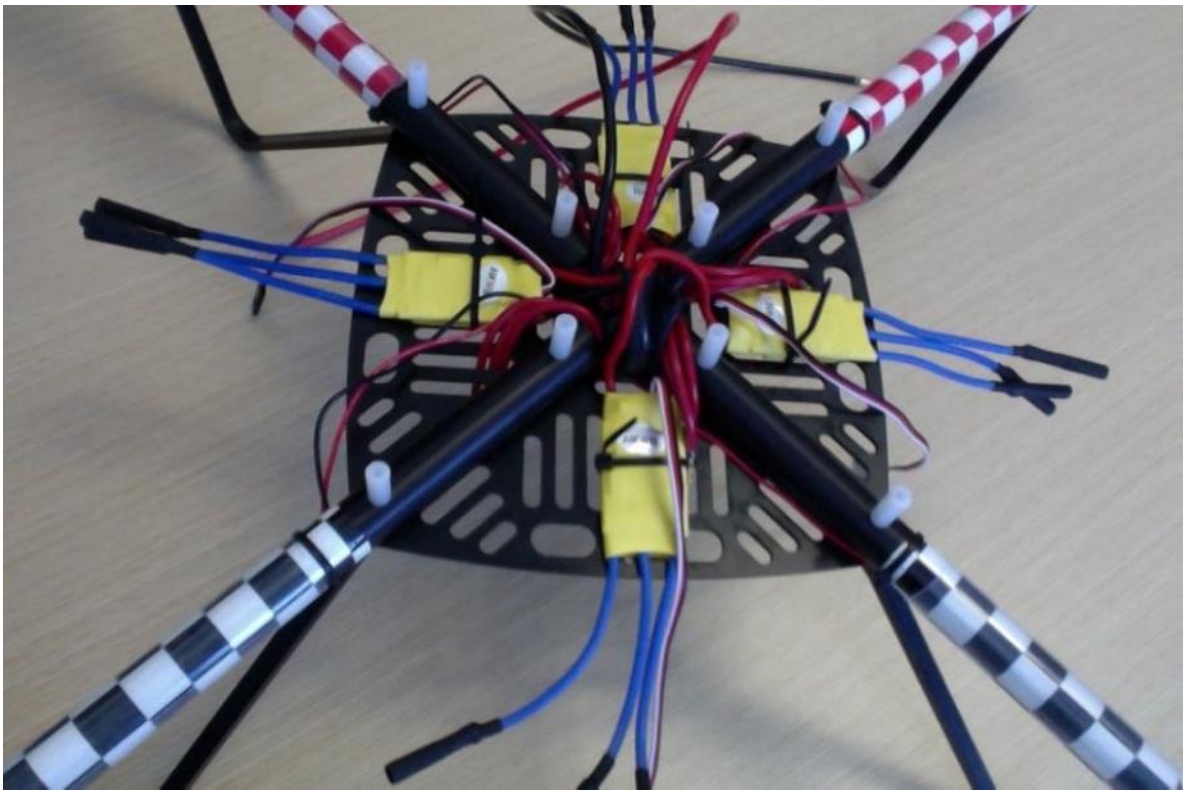


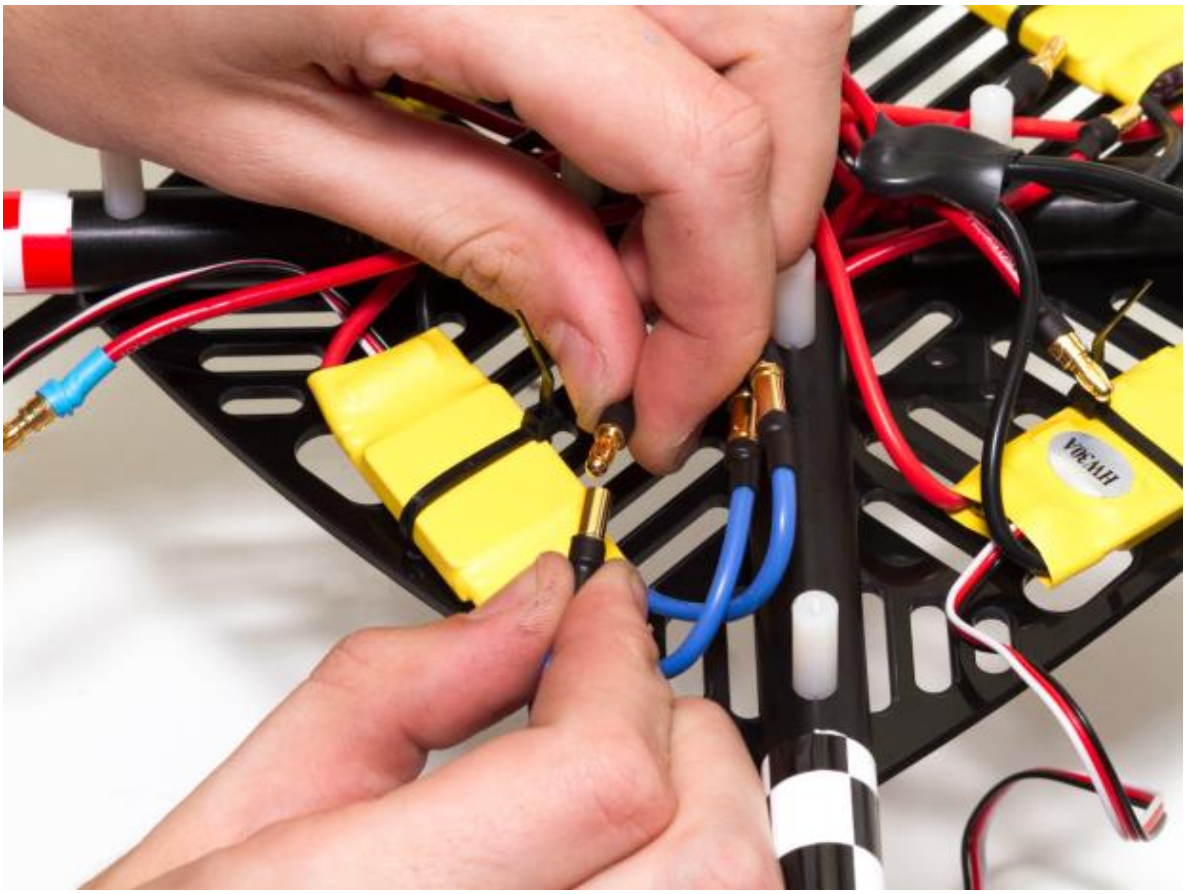


Paso 5

Armado y cableado de la estructura

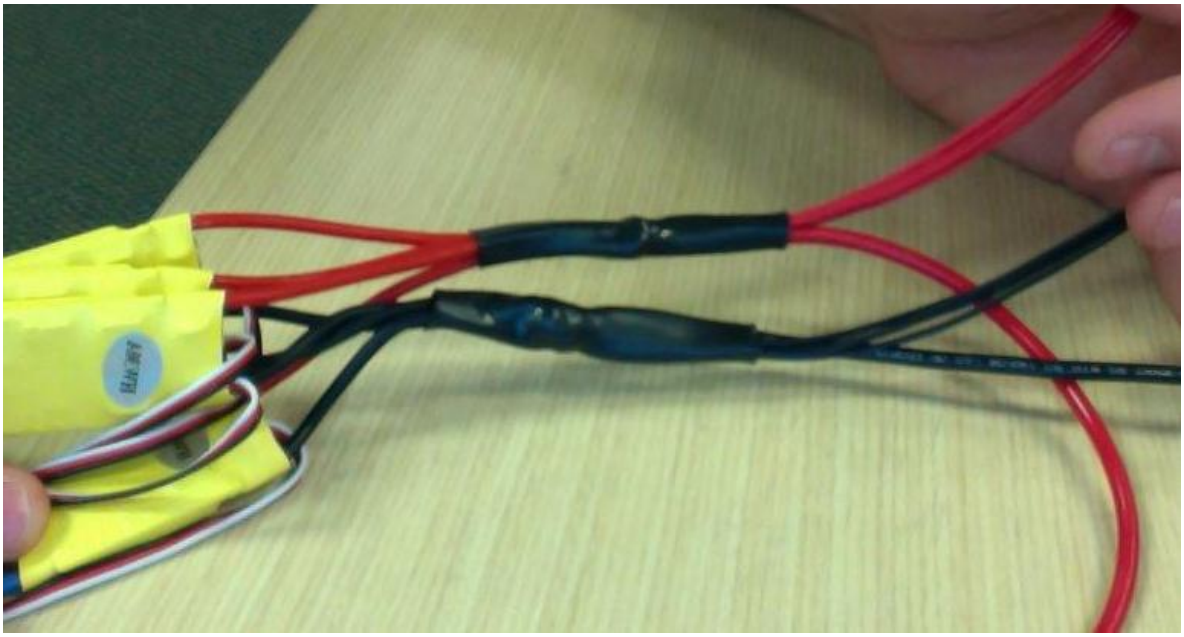






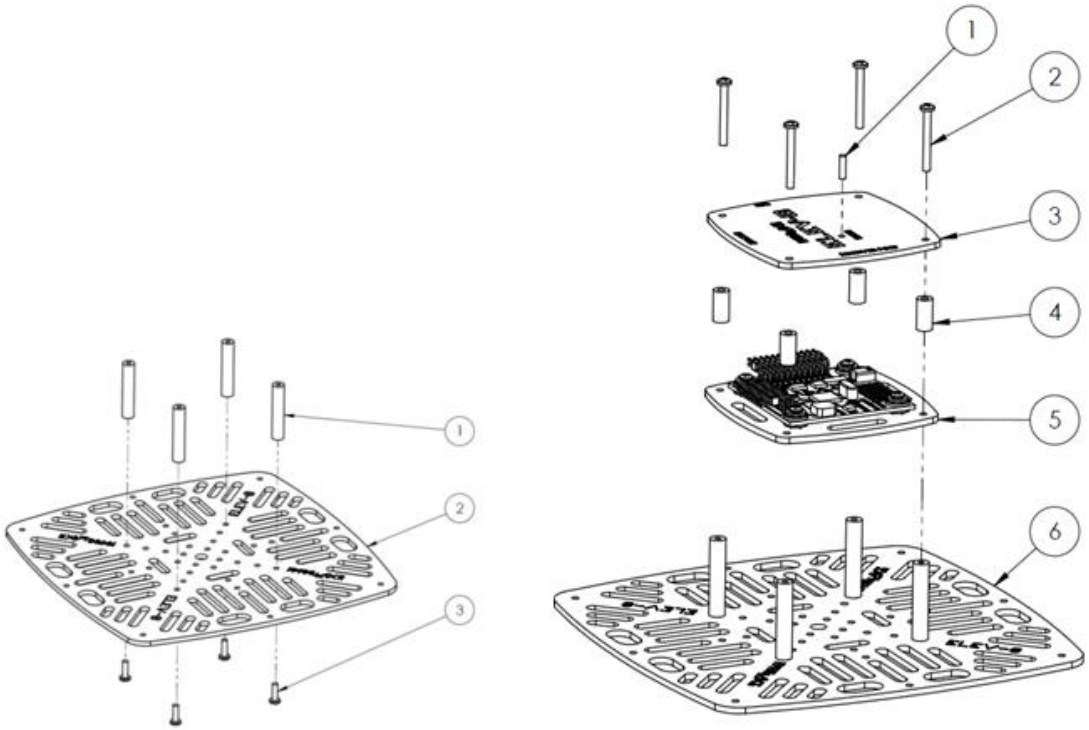
Paso 6

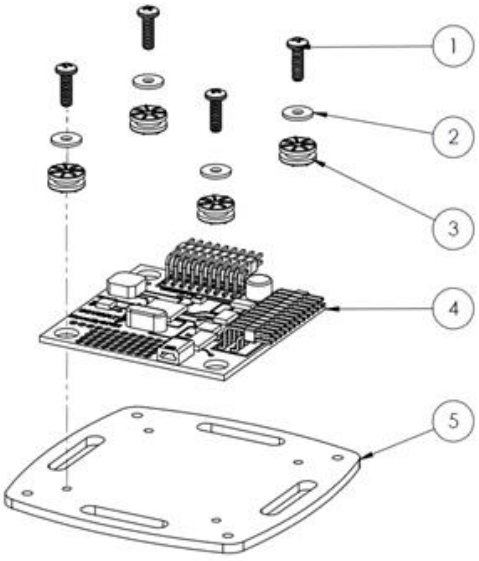
Unión de los buses de corriente para alimentar eléctricamente a los controladores de los motores.

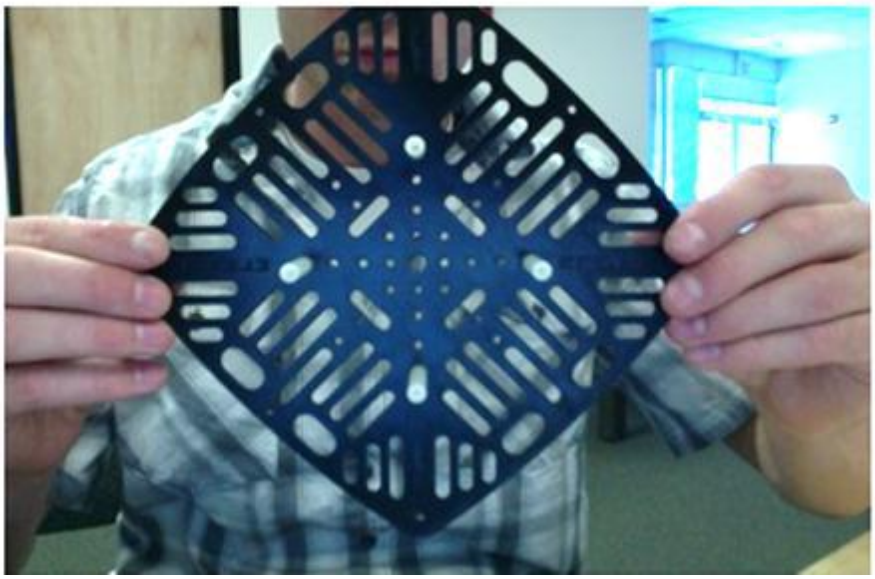


Paso 7

Colocación de la parte superior de la estructura y montaje del circuito de control del cuadracóptero.

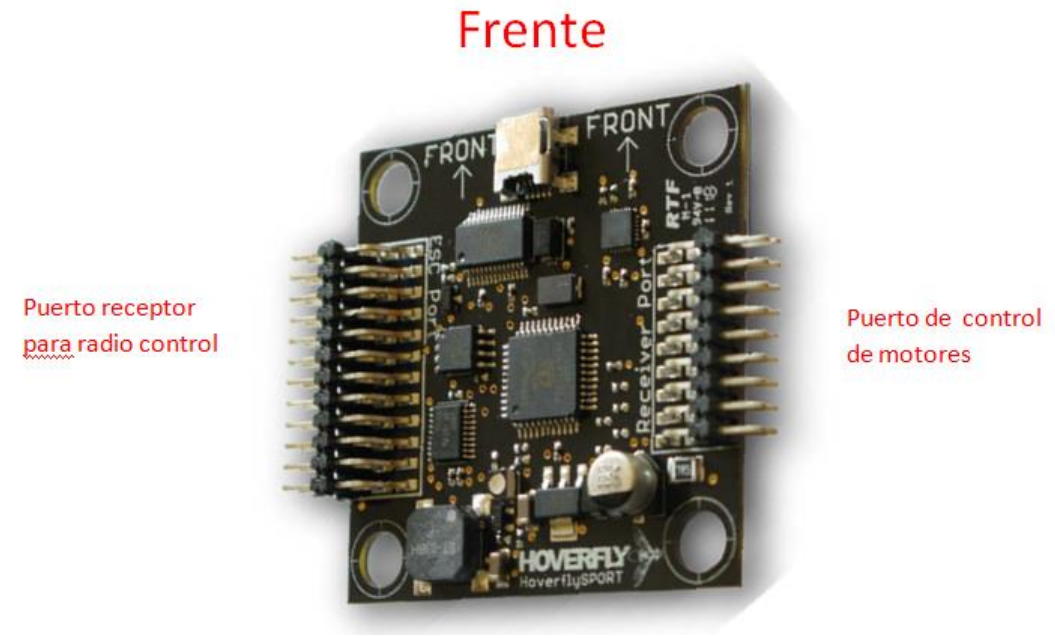




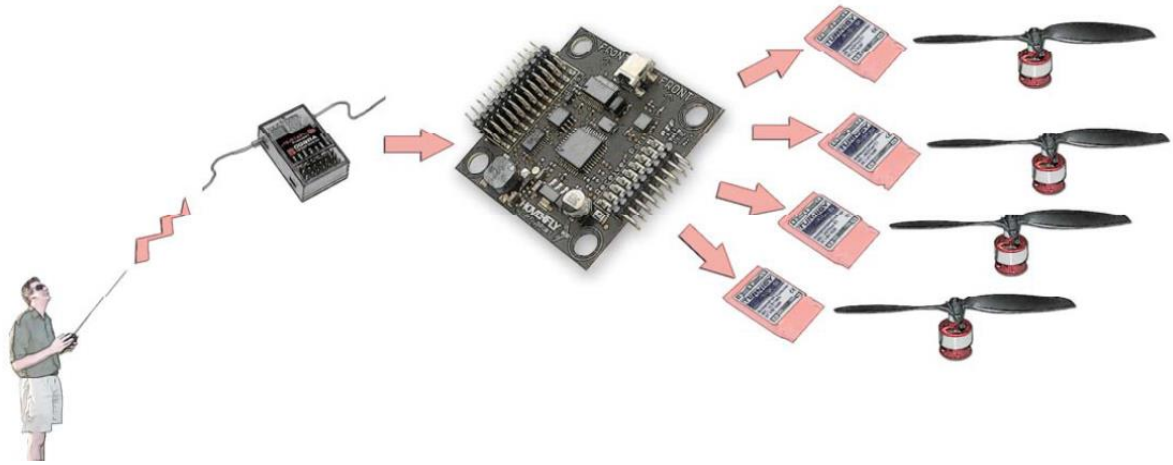


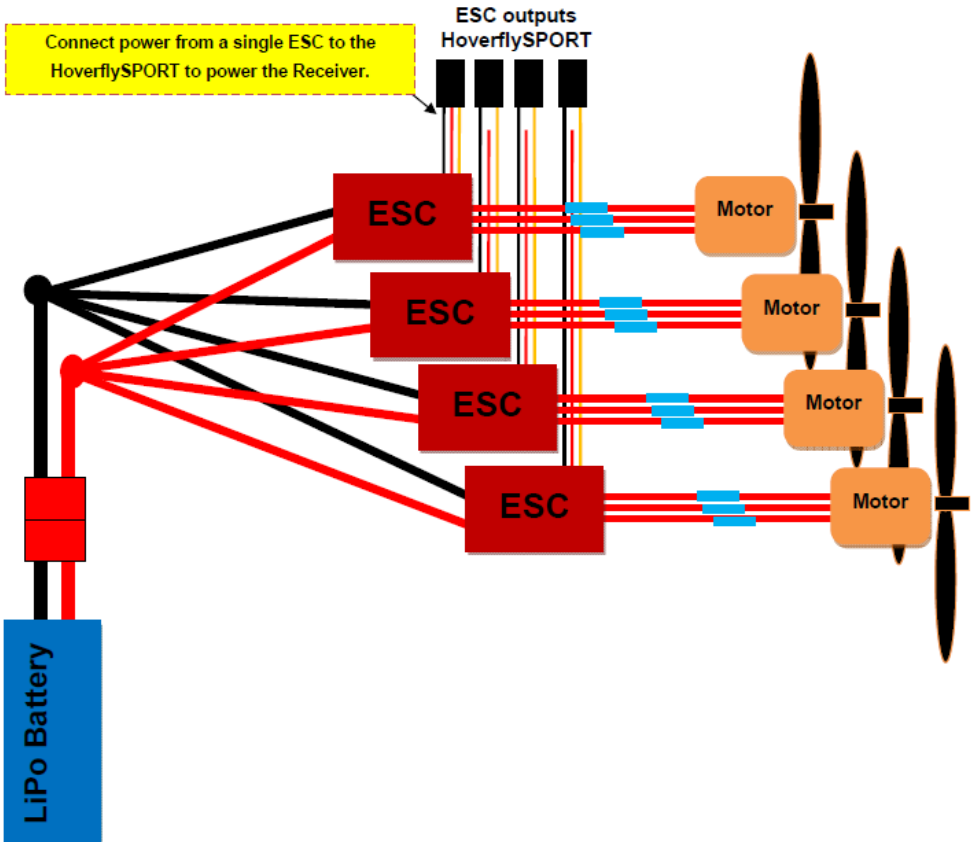
Paso 8

Se debe colocar la tarjeta de control del cuadracóptero con el sentido correcto para que se detecte la orientación de las referencias de los sensores de posición contenidas en ella.

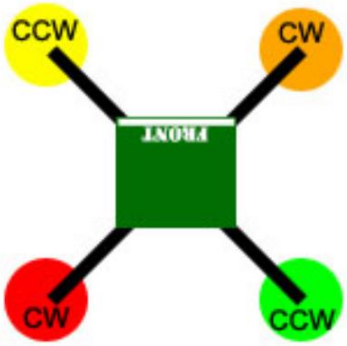


La función que tiene la tarjeta de control es la de establecer una comunicación entre el radio control y los circuitos de control de velocidad de los motores (controladores ESC).




Connect power from a single ESC to the HoverflySPORT to power the Receiver.
ESC outputs HoverflySPORT
ESC
ESC
ESC
ESC
Motor
Motor
Motor
Motor
LiPo Battery

Frente


CCW
CW
FRONT
CW
CCW

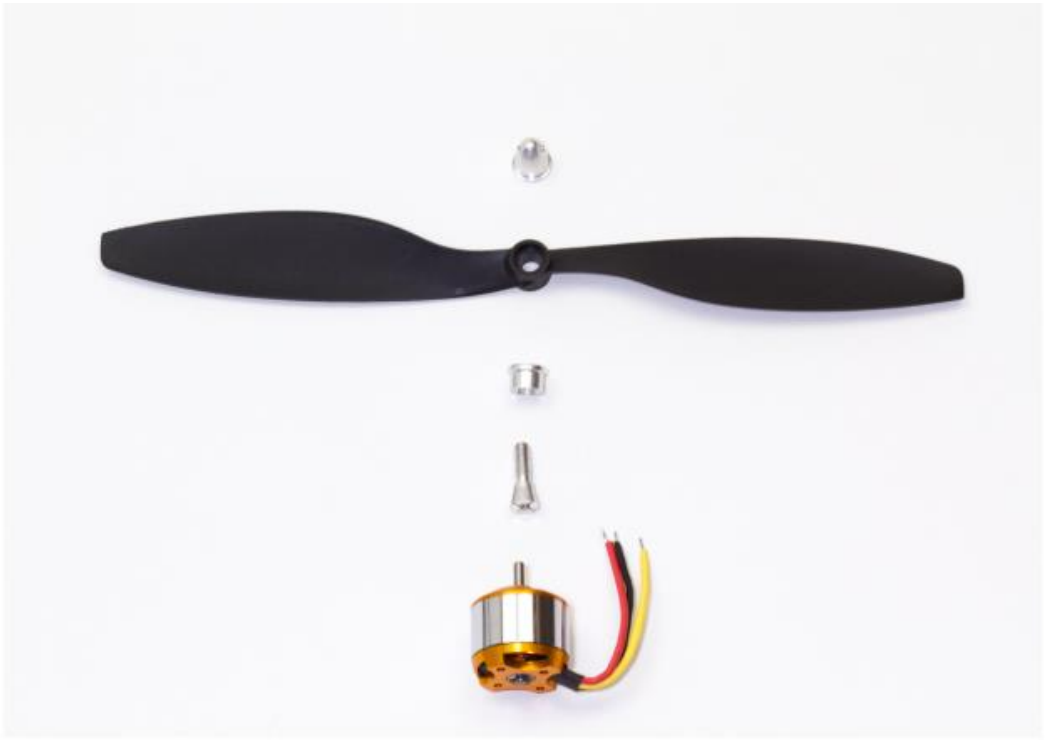
A = Aileron
T = Throttle
R = Rudder
E = Elevator
G = Gear (ON: EPA value is Primary Gain, Altitude Hold is off.)
(OFF: EPA value is Altitude Hold Gain, Altitude Hold is on.)

Receiver Port: Control Board Left Edge

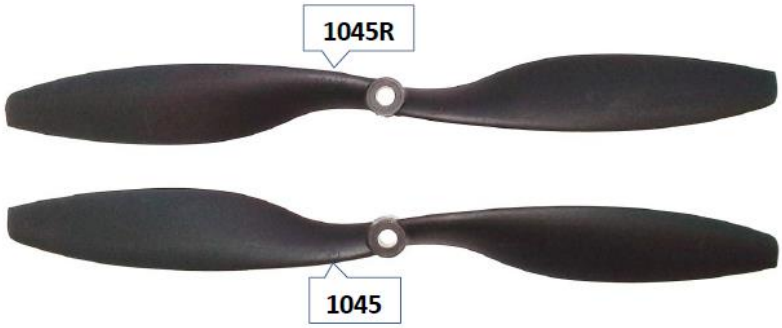
ESC Port: Control Board Front Edge

Paso 3

Colocar las hélices al cada uno de los motores



Nota: Existen 2 tipos distintos de hélices se deben colocar para el cuadracóptero de 4 motores en formación tipo X 2 hélices tipo 1045 y 1045R.



ELEV8

Radio control