

# Scorpion QF1 Assembly Manual



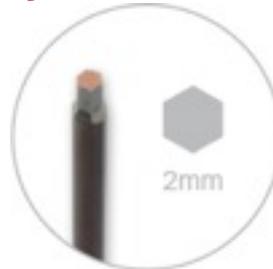
**Thank you for purchasing Scorpion QF1  
(Formula 1 Style 250 FPV racing frame)  
Please prepare the following tools and materials before  
assembly:**



**3mm phillips**



**1.5mm hex**



**2mm hex**



**Thread locker**

### **Parts**

**ALUMINIUM CROSS MEMBER \* 3  
LOWER DECK \* 1 UPPER DECK \* 1  
FRONT SPOILER SET \* 6 REAR SPOILER SET \* 6  
CAMERA STAND \* 1 CAMERA RING \* 1  
CAR COVER COLUMN \* 1 MOTOR ARM \* 4  
SIDE STRAIGHTENER \* 2 REAR STRAIGHTENER \* 1  
UNDERCARRIAGE \* 4 LANDING GEAR \* 4  
UPPER ANGLED ARM CLAMP \* 4 LOWER ANGLED ARM CLAMP  
\* 4 BATTERY CONNECTOR MOUNT \* 1**

### **Screws**

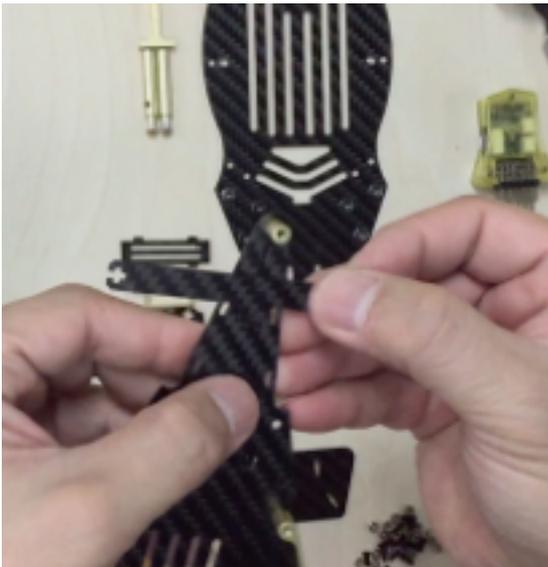
Hex M2x8 x1 camera stand  
Hex M2x6 x2 Camera Stand  
Hex round M2x4 x2 Camera  
Mount  
Hex M2.5x10 x12 Angle Arm  
Clamp  
Hex Round Head M3x6 x16  
Motor mount  
Hex Round Head M2.5x4  
x22  
Round Phillips M2x5 x12  
Nut M2 x14  
Flat head M2x4 x2  
Set Screw M3x4 x4





**There are two carbon fibre decks (upper and lower) inside the box. The upper deck is the one pre-assembled with nuts.**

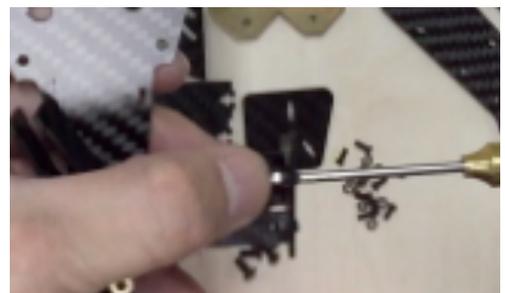
**When assembling the cross member they should be at the rear holes.**

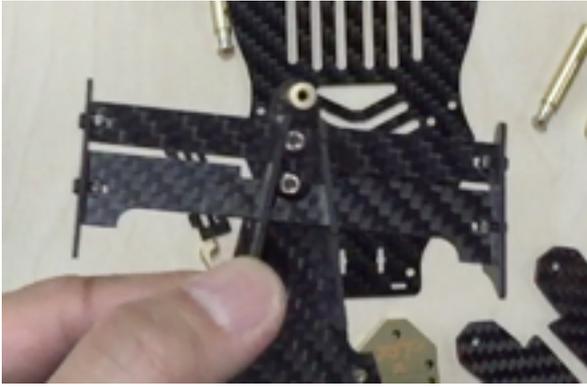


**Assemble the front spoiler set with flat M2x4 with nuts.**



**And round phillips M2x5 with nuts.**





**Use the Hex M2.5x4 on the Cover Mount Column.**



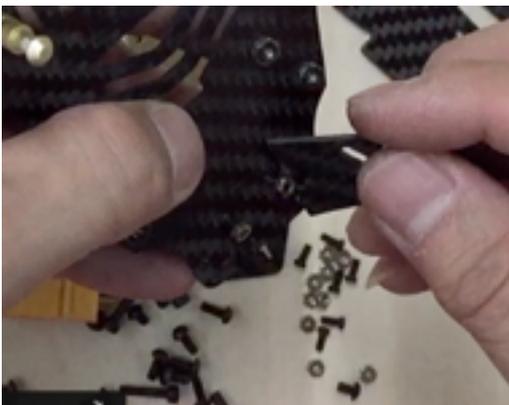
**The carbon stand needs the hex M2x4 screw at the bottom and M2x8 going through the stand and the camera ring.**

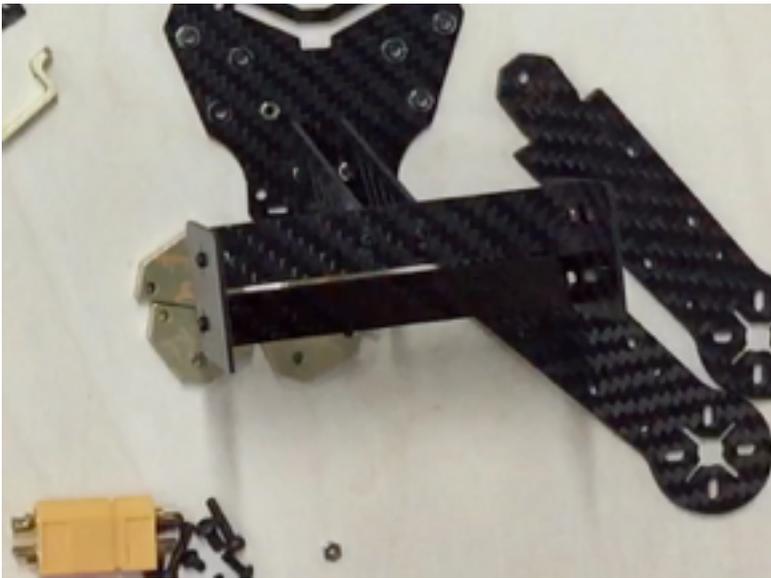


**The M2x6 also needs to lock the ring into both sides.**



**Assembly the rear spoiler set also using the round hex M2x5 with nuts.**



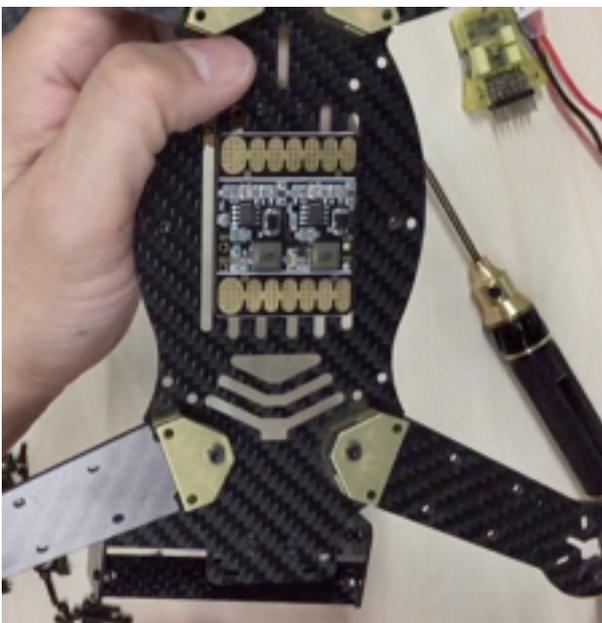


**Lock all the screws when done.**



**Install the power board under the upper deck.**

**Assembly the Angle Arm Clamp that we used Hex M2.5x10 to lock them with first.**



**Solder the motor with the ESC and have a short wiring before assembling on the motor arm.**

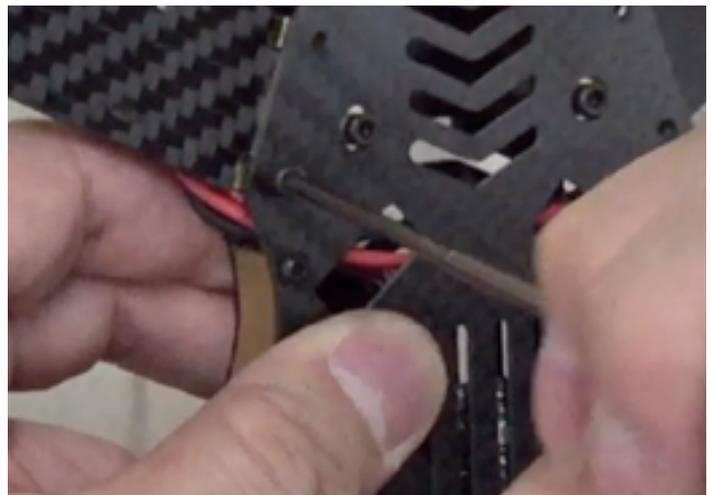


**Use M2.5x6 on the motor mounting.**

**Now assemble the side straightener at the upper deck with hex round M2.5x4, and solder all of the wires before we cover the lower deck.**



**Now we can cover the lower deck with hex round M2.5x4.**



**Then use the hex M2.5x12 to lock all the angle arm clamps.**

**Then assembly the undercarriage with the landing gear, the M2.5x6 is for this purpose.**

Thank  
You

