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**DESIGNER, PRODUCER AND SPECIALIST OF CARBON FIBER UAV FRAMES**

# **UAVFRAME CW6**

## **ASSEMBLY MANUAL**



# NOTES

**THE FRAME IS MADE OF CARBON FIBER,**

**IT IS THE OWNER'S RESPONSIBILITY TO ENSURE THIS MODEL IS ASSEMBLED CORRECTLY AND SAFELY, ENSURE THAT YOUR MODEL IS CAPABLE OF SAFELY AND RELIABLY LIFTING THE PAYLOAD YOU ARE ASKING IT TO. THIS MODEL IS DANGEROUS IF USED IN INCORRECT MANNER. ENSURE YOU SEEK ASSISTANCE FROM AN EXPERIENCED FLYER IF YOU ARE UNSURE. DO NOT FLY NEAR PEOPLE, PROPERTY OR HIGHWAYS. DO NOT FLY OVER PEOPLE, PROPERTY OR HIGHWAYS. THERE MAY BE LAWS AND REGULATIONS GOVERNING THE USE OF THIS MODEL IN YOUR AREA, SEEK ADVICE FROM YOUR AUTHOURITIES IF YOU ARE UNSURE.**

**PLANNING YOUR BUILD AND INSTALLATION IS KEY TO BUILDING A SAFE AND RELIABLE MULTIROTOR. MAKE SURE ALL WIRING IS OF THE CORRECT GAUGE, PROPERLY CONNECTED, NEAT AND PROTECTED FROM WEAR/TEAR AND RADIO/ELECTRICAL INTERFERENCE. MAKE SURE ALL THE COMPONENTS YOU USE ARE SUITABLE FOR THE SIZE AND WEIGHT OF YOUR MULTIROTOR.**

**DO NOT OVER TIGHTEN SCREWS, BOOMCLAMPS CAN BREAK**

**CHECK THIS PRODUCT FOR DAMAGED HARDWARE, LOOSE JOINTS, MISSING PARTS OR SHARP EDGES BEFORE AND AFTER ASSEMBLY AND FREQUENTLY DURING USE. DO NOT USE UNLESS ALL COMPONENTS ARE CORRECTLY FITTED AND ADJUSTED. DO NOT USE IF ANY PARTS ARE MISSING, DAMAGED OR BROKEN.**

**ASSEMBLY IS REQUIRED. TAKE CARE WHEN UNPACKING AND ASSEMBLING. KIT CONTAINS SMALL PARTS AND CAN HAVE SHARP EDGES**

**FOR REPLACEMENT PARTS, ASK YOUR SUPPLIER OF THIS FRAME OR CONTACT US.**

**CONTACT DETAILS :**

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# **KIT CONTENTS :**

**(BASIC FRAME WITHOUT UPGRADES)**

<b>QTY</b>	<b>ITEM</b>
<b>1</b>	<b>UPPER CENTERPLATE</b>
<b>1</b>	<b>LOWER CENTERPLATE</b>
<b>6</b>	<b>MOTORMOUNTING PLATES</b>
<b>12</b>	<b>MOTORCLAMP POSITION PLATES</b>
<b>6</b>	<b>CARBON FIBER TUBES</b>
<b>6</b>	<b>ENDCAPS FOR TUBES</b>
<b>12</b>	<b>ALUMINUM CAPS</b>
<b>24</b>	<b>BOOMCLAMPS (PAIRS)</b>
<b>36</b>	<b>COUNTERSUNK M3 X 35 BOLTS</b>
<b>12</b>	<b>M3 X 35 ALLEN CAP BOLTS</b>
<b>24</b>	<b>M3 X 6 ALLEN CAP BOLTS</b>
<b>72</b>	<b>M3 WASHERS</b>
<b>48</b>	<b>M3 LOCK NUTS</b>

**FIRST CHECK IF ALL ARE IN THE KIT, IF PARTS ARE MISSING PLEASE CONTACT US.**

**WHEN YOU HAVE CHOOSEN UPGRADES LIKE ALUMINUM CAPS FOR MOTORMOUNTING PLATES, WE WILL REPLACE 24 COUNTERSUNK BOLTS M3 X 35 WITH 24 ALLEN CAP BOLTS M3 X 35 + 24 ALUMINUM CAPS**

**WHEN YOU BOUGHT OTHER UPGRADES, OR ACCESOIRES LIKE : MOUNTING PLATES, PROTECTION PLATES, LANDING GEAR, WIREDAMPERSYSTEMS OR OTHER, ALL MOUNTING PARTS ARE IN THAT KIT.**



**TAKE THE UPPER CENTERPLATE (YOU CAN RECOGNIZE THIS PLATE WITH THE COUNTERSUNK HOLES). LET THE LOGO (CW6) POINT UPWARDS.**

**MOUNT THE 4 SPACERS OF YOUR MOUNTING PLATE (BIG OR SMALL) WHEN BOUGHT/UPGRADED OR IN THE KIT**

**PUT ALL 12 COUNTERSUNK BOLTS M3 X 35 IN THE HOLES**



**PUT 6 PAIRS OF BOOMCLAMPS OVER THE COUNTERSUNK BOLTS**



**MOUNT THE ALUMINUM BRACKETS/ WIREDAMPERSYSTEM (IF BOUGHT SEPARATELY) TO THE BOTTOM CENTERPLATE, YOU CAN LET THE LOGO POINT UP OR DOWNWARDS, CHOOSE HERE TO FLY IN + OR X MODE, THE HOLES ARE FOR BOTH MODES ALREADY PRE- DRILLED AS WELL FOR BIGGER AND SMALLER LANDING GEARS**



**AT THIS POINT YOU PUT THE LOWER CENTERPLATE (LOGO'S ALIGNED) OVER THE COUNTERSUNK BOLTS . YOU CAN MOUNT THE WASHERS AND THE LOCK NUTS ON THE 12 COUNTERSUNK BOLTS, JUST TIGHTEN THEM A FEW TURNS, SO THEY WILL NOT COME OFF.**



**NOW YOU CAN TAKE THE ALLEN CAP BOLTS M3 X 35 AND THE ALUMINUM CAPS, 6 PAIRS OF BOOMCLAMPS, 12 LOCKNUTS AND 12 M3 WASHERS MOUNT THEM AS PICTURE ABOVE AND BELOW**



**ALL BOLTS AND LOCKNUTS ARE STILL ONLY HAND TIGHTENED**



**NOW IT'S TIME FOR MOUNTING YOUR 6 MOTORS. USE THE M3 X 6 ALLEN CAP BOLTS, AND THE M3 WASHERS. USE AS WELL SOME LOCKTITE.**

**MAKE SURE THE CABLES OF YOUR MOTOR ARE POINTING TO THE RIGHT SIDE.**

**TAKE THE ENDCAP AND DRILL THE HOLES (1 BIG OR 3 SMALL) FOR YOU CABLES AND PUT THE CABLES THROUGH**



**ON THE LEFT YOU SEE THE MOTORPLATES WITH THE ALUMINUM CAPS, WITH ALLEN CAP BOLTS M3 X 35, (THIS IS AN UPGRADE)**

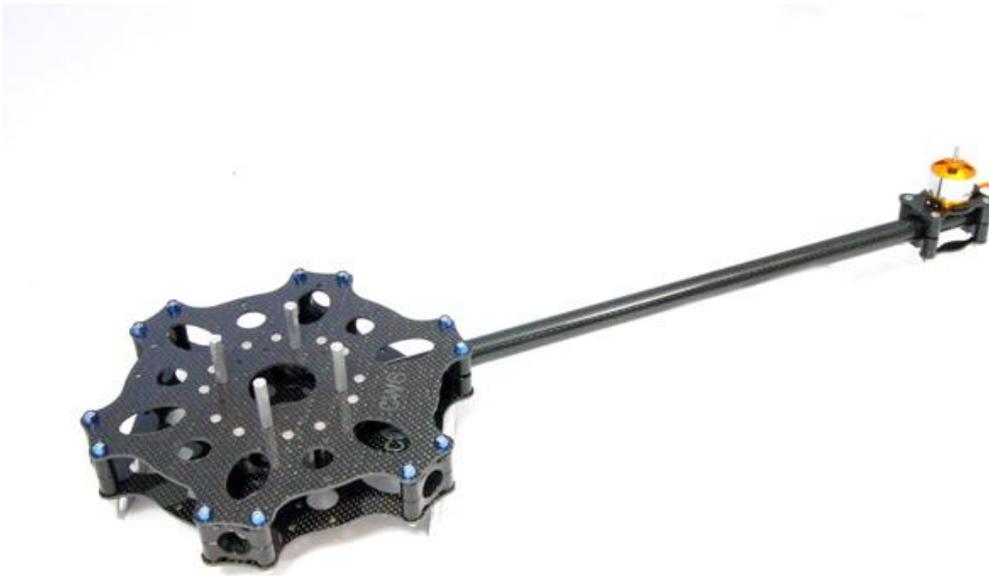
**ON THE RIGHT YOU SEE THE MOTORPLATES WITH THE COUNTERSUNK BOLTS M3 X 35, (STANDARD KIT)**



**USE FOR EACH MOTOR PLATE 2 PAIRS OF CLAMPS, 4 M3 WASHERS, 2 MOTORPLATE POSITION PLATES, 4 M3 X 35 BOLTS AND 4 M3 LOCKNUTS, JUST TIGHTEN THEM WITH YOUR HANDS**



**NOW YOU CAN MOUNT THE MOTORS TO THE TUBE, AND PUT THE ENDCAP IN THE TUBE, JUST LIKE ON THE PICTURE, MAKE SURE YOUR CABLES ARE CONNECTED INSIDE THE TUBES CORRECTLY OR MAKE SURE THE CABLES ARE LONG ENOUGH TO REACH YOUR ESC. AT THIS POINT YOU CAN TIGHTEN THE BOLTS. DO NOT OVERTIGHTEN THE CLAMPS, THEY CAN BREAK WHEN YOU OVER TIGHTEN THEM A LOT. MAKE SURE THE CLAMPS ARE CLOSED TO EACHOTHER LEFT AND RIGHT SIDE THE SAME.**



**NOW YOU PUT ALL ARMS INTO THE CENTERUNIT. AND LOCK THE BOLTS AND NUTS. MAKE SURE ALL MOTORS ARE LEVELED CORRECTLY IN LINE OF THE CENTERUNIT.**

**FURTHER ASSEMBLY IS ABOUT SOME UPGRADES OR OTHER PARTS**



**ON THE PICTURE IS THE "MOUNTING PLATE SMALL" SHOWN, MAKE SURE YOU POSITION IT FOR + OR X MODE (PICTURE IS X MODE)**



**THE "WKM PROTECTION PLATE"  
IN COMBINATION WITH "MOUNTING PLATE SMALL"**



**THE "MOUNTING PLATE BIG FOR THE CW6" IS SHOWN ON THE PICTURE.  
UNDERNEATH THE PLATE YOU CAN EASILY MOUNT THE ESC. ON TOP OF IT YOUR  
FLIGHTCONTROLLER.**



**HERE YOU SEE THE "MOUNTING PLATE BIG"  
IN COMBINATION WITH THE "WKM PROTECTION PLATE"**

**FOR FURTHER QUESTIONS, JUST CONTACT US BY MAIL.**

**GOOD LUCK WITH THE MAIDEN**