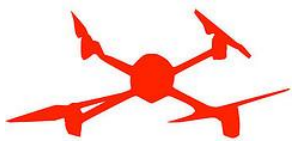


DIALFONZO - COPTER

V-TAIL HUNTER 400/500

FRAME REFERENCE ASSEMBLY GUIDE



INFO@DIALFONZO-COPTER.COM

Complied and rendered by [InnerbreedFX](#)

DialFonZo-Copter V-TAIL HUNTER 400/500 Assembly Guide (3/27/13)

Rev 1

Thank you for purchasing a DialFonZo-Copter frame from dialfonzo-copter.com.

There are a few different ways how to assemble your copter, but this assembly guide is designed to iron out any potential problems you may have while assembling your DialFonZo-Copter V-Tail HUNTER 400/500. We want you to feel comfortable while building your frame, and by familiarizing yourself with the Frame Parts, you should have an easier advantage. Identify all the parts and any potential miss-haps, (like that will ever happen) during the manufacturing or packaging stage. Laying out the sections and screws into groups will also help.

We are certain you will be happy with your new frame.

PARTS INCLUDED WITH YOUR KIT (Standard kit)**G10 PARTS:**

- x6 VTail- Arm Reinforcement
- x1 VTail- Cross Brace
- x2 VTail- Brace Support
- x1 VTail- Centre Bottom
- x1 VTail- Centre Protect (Optional)
- x1 VTail- Centre Top
- x2 VTail- Front Bottom Arm Plate
- x2 VTail- Front Top Arm Plate
- x6 VTail- Landing leg
- x2 VTail- Rear Arm Plate
- x2 VTail- Rear Bottom Motor Mount Plate
- x2 VTail- Rear Top Motor Mount Plate
- x2 VTail- V Part

**HARDWARE: (Additional spares may be supplied)**

- 31 x 0.5" standoffs
- 4 x 0.25" standoffs (To secure your flight controller)
- 56 x 1/4" 4-40 hex screws
- 14 x 5/16" 4-40 hex screws
- 14 x 4-40 nylon lock nuts

The assembly of your frame will start out by building some of the components needed with the rest of the assembly later on. This way we insure you don't then forget any small details or forget something and have to go back and disassemble anything

Please follow the visual instructions carefully to make sure no mistakes are made.

ASSEMBLY of the Landing Legs (Build three of these)

The Landing legs are all identical and will be built the same way.

They are made up of four main G10 parts and associated hardware.

Note: You will be required to use four 5/16" 4-40 hex screws and four 4-40 nylon lock nuts for each of the three assemblies.



ASSEMBLY of the Two Front Arms (Build two of these)

The Two Front Arms are all identical and will be built the same way.

They are made up of two main G10 parts and associated hardware.

+ One Pre made landing legs from the previous step.

Note:

As the 0.5" standoff in the landing leg is designed to pull the two landing tips closer together, you may want to remove the 1/4" 4-40 hex screws from the 0.5" standoffs to make installation into the frame much easier.



ASSEMBLY of the V-Tail & Rear Arm

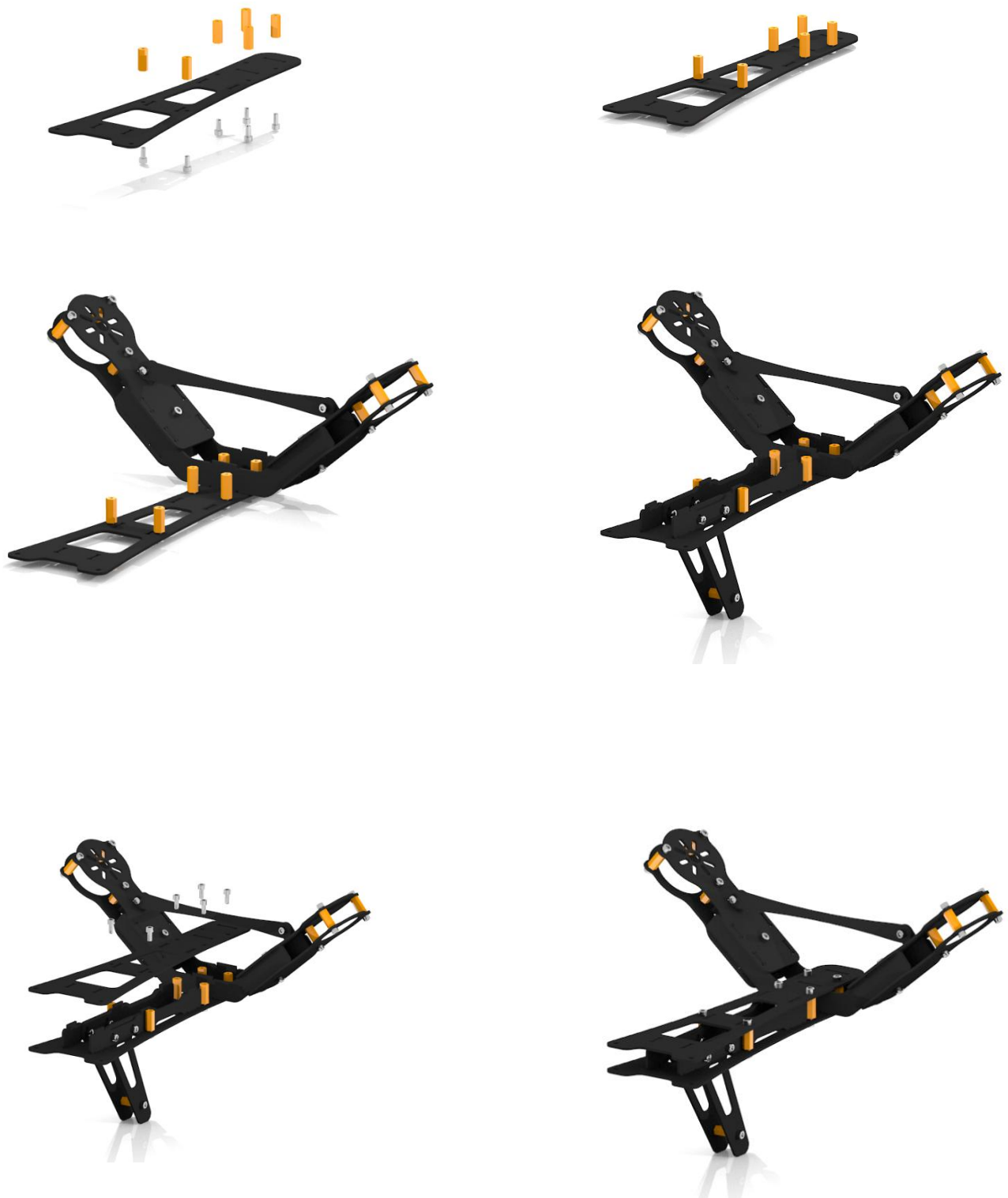
The V-Tail assembly has two identical sides and will be built the same way. You will be required to lock the Cross Brace using two 5/16" 4-40 hex screws and two 4-40 nylon lock nuts.



The Rear Arm shares two identical plates, and will sandwich the Vtail part also encasing the last Landing Leg built in previous steps, using G10 parts and associated hardware.

Note:

As the 0.5" standoff in the landing leg is designed to pull the two landing tips closer together, you may want to remove the 1/4" 4-40 hex screws from the 0.5" standoffs to make installation into the frame much easier.



ASSEMBLY of the Main Body

Finish the frame off by securing the three newly assembled parts using the top and bottom centre plates and installing the last six remaining 0.5" standoffs and the 5/16" 4-40 hex screws.



Finished model with Optional Top Plate



Finished model with Optional Canopy

PRE-FLIGHT CHECKLIST

Please check the condition of all the parts as they will get worn with age. Make sure you also check the assembly of your frame, ensuring that all the screws and bolts are securely fastened.

Ensure the propellers are secured properly (you don't want them falling off during a flight).

Ensure the receiver is receiving a strong signal and is secured in place.

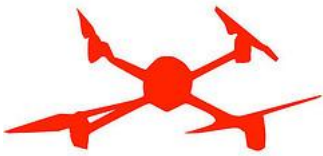
Make sure the battery is secured tightly and will not slip out during flight.

Check that the motors and ESC are secured onto the frame and props spin smoothly.

Before take-off, make sure your transmitter channels are configured correctly and not reversed.

This disclaimer is for any instructions published by DiaLFonZo-Copter. No warranty or guarantee is provided for these instructions; you follow them at your own risk. No one at dialfonzo-copter.com can vouch for their completeness or accuracy. If you are at all uncomfortable or inexperienced working on your copters construction then please contact info@dialfonzo-copter.com.

These Instructions only picture the DiaLFonZo-Copter V-Tail 400 but can also be used for the DiaLFonZo-Copter V-Tail 500 size range also.



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