

DC-3/C-47

Happy Flying!



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Please read this manual carefully before operating this plane.



WARNING:

Read this instruction manual fully so as to become completely familiar with the features of this product before operating. Failure to operate this product correctly could result in damage to the product, personal property and cause serious injury. This is a sophisticated hobby product and is NOT a toy. It must always be operated with caution, common sense and some basic mechanical ability. This manual provides instructions as the the assembly, safe operation and maintainence of this hobby product. It is highly reccommended that you follow and read fully the instructions and warnings stated in this manual including safety, assembly, set-up and flying guidelines in order to operate this product correctly and avoid damage or serious injury.

SAFETY PRECAUTIONS:

As the user of this product you and you alone are responsible for operating it in a manner that does not endanger yourself and others around you or result in damage to the product or property of others. This product is operated via a radio controlled system that in some cases can be subject to interference from sources outside of your control. Interference may result in a momentary loss of control so it is always recommended that this product be used in a suitably open outdoors space.

- This is a radio controlled flying model and as such must always be flown with caution and care. This is not a toy.
- The C-47 is designed for intermediate to advanced pilots.
- Always exercise great caution when using the recommended battery to power this product. For full safety notes and operating procedures, please see information provided by your battery supplier.
- Take great care when connecting/disconnecting the battery. See battery supplier for full safty procedures.
- Never power up the model in confined spaces and always keep the prop clear of obstructions.
- This product is not a toy. Children must be accompanied by an adult at all times if operating this product.
- Only fly this model in an open area away from crowds, people, buildings, tree's, power lines and obstructions.
- Always put safety first when operating this model and consider the warnings stated above.
- The supplier/manufacturer accepts no responsibility for damage or injury caused through the use of the product. Not suitable for children under the age of 14. THIS IS NOT A TOY.

CONTENTS

*Specification	01
*Spare parts listing	02
*Assembly	03-10
*CG location	11
*Trouble shooting	12
*Model flying precautions	13
*Pre-flight checks	14

SPECIFICATION:



Length: 1103mm

Flying weight: 1700g

Wingspan: 1600mm

Servos: 9G servos x 6pcs 25G x 2pcs

Motor: Brushless Motor 2215 Out runner KV960

Battery: 14.8V-3300mAh 25C LiPo Battery

ESC: 20A x 2

PRE-FLIGHT CHECKS:

1. Always range check your model before any flight. Follow your radio manufacturers guidelines for performing this check.
2. Check all screw and mounting points are firmly secured, including controlhorns and clevises.
3. Only fly with fully charged batteries. Failure to do so could result in loss of control, damage to the model and property around you. Make sure your batteries are fully charged.
4. With the model powered up check that all surface are free from damage, moving in the correct directions and freely with stick input.
5. Inspect the model and prop for any damage that may have occurred during transit and listen for any unusual sound from the electronics when powered up. If in doubt, do not fly.
6. With the model held securely and the prop free of obstructions, increase the throttle just slightly to confirm the rotation of the prop is correct. The model should want to pull straight forward with throttle.
7. If this is your first flight with the model double check that the CG is at the correct position. If not, adjust battery position inside model accordingly.
8. If you are an inexperienced model pilot seek the help and assistance of an experienced pilot to perform these final checks and to test fly the model for you.

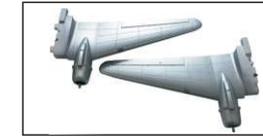
MODEL FLYING PRECAUTIONS:

- Select your flight area carefully. Always choose an open space that is unobstructed from trees and buildings and away from crowded area. Avoid flying in area with roads, and water near by or within close proximity to full size air traffic.
- Do not fly this model in poor weather. High winds, low visibility, inclement temperatures, rain and storms are to be avoided.
- Never attempt to catch this model whilst in flight. Even a slow moving model can cause harm to yourself and risks damage to the model.
- This model is recommended for children no younger than 14 years old. All children, no matter what age, should always be supervised by a capable and responsible adult when operating this model.
- Always unplug your model battery when not in use. Never leave the battery installed in the model.
- Please remember to keep clear of the propeller at all times when your flight battery is connected.
- Before flying, always turn ON your transmitter first then plug your flight battery into the model.
- After flying, always unplug your battery first then turn OFF your radio transmitter.
- Exercise caution when charging your batteries and follow in full your battery manufacturers safety guideline when doing so.

SPARE PARTS LISTING:



Fuselage
DC-3:9306000152-0
C-47:9306000141-0



Main Wing
DC-3:9306000153-0
C-47:9306000142-0



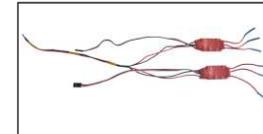
Horizontal Stab
DC-3:9306000154-0
C-47:9306000143-0



Vertical Stab
DC-3:9306000155-0
C-47:9306000144-0



Antennas
DC-3:9306000156-0
C-47:9306000151-0



ESC
9306000146-0



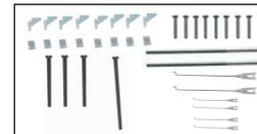
ESC Y-lead
9306000147-0



Y-line
9306000148-0



Wing Spar
9306000149-0



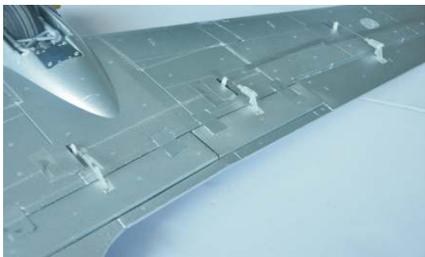
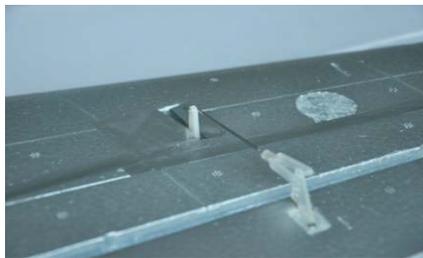
Control Parts
9306000150-0



Propeller
9306000145-0

ASSEMBLY:

1. Locate aileron control horns and push rods. Install the aileron control horn using the screws and screw driver. Now connect the pushrod to the aileron servo horn as shown. Locate flap control horns and push rods. Install the flaps control horn using the screws and screw driver. Now connect the pushrod to the flap servo horn as shown. Repeat this step for the remaining wing panel.

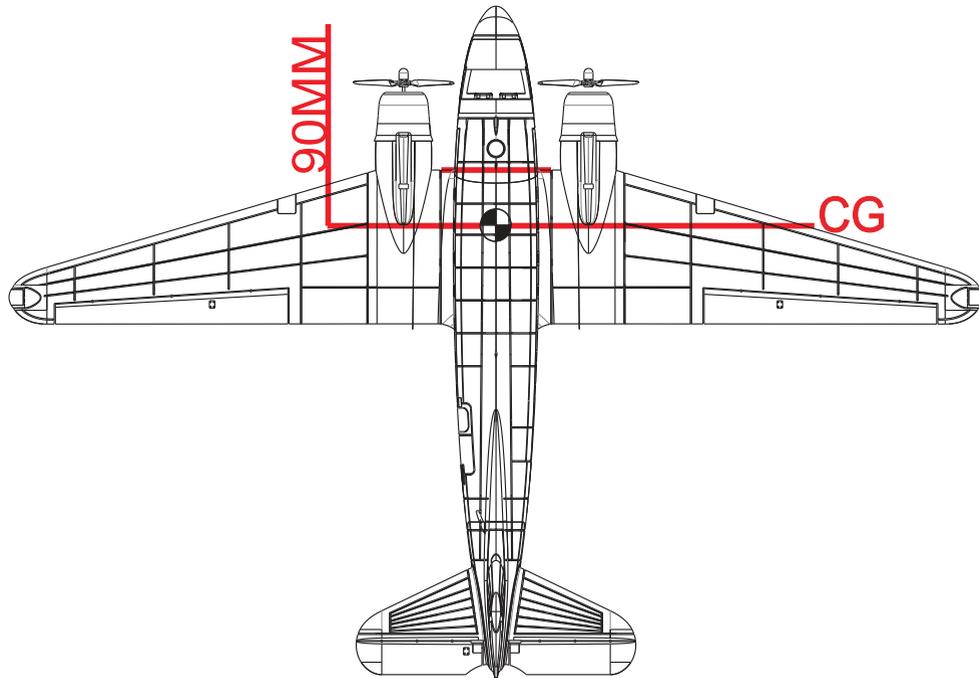


TROUBLE SHOOTING:

Problem	Cause	Solution
<u>Motor does not turn</u>	<ol style="list-style-type: none"> 1. Battery is not fully charged. 2. Transmitter battery low. 3. Motors not connected. 4. The motor is damaged. 5. Receiver is not bound to Tx. 6. ESC in set-up mode. 	<ol style="list-style-type: none"> 1. Charge the batteries. 2. Install a full charged battery. 3. Check for connection between the ESC and motor. 4. Replace motor. 5. Consult Radio manual and go through bind procedure again. 6. Hold model and move throttle to full position then back down to idle.
<u>Model moves backwards</u>	<ol style="list-style-type: none"> 1. Props installed on the wrong motors. 	<ol style="list-style-type: none"> 1. Swap the props around.
<u>Control surfaces not moving with stick input</u>	<ol style="list-style-type: none"> 1. The servo lead is connected to Rx incorrectly. 2. The servo is damaged. 	<ol style="list-style-type: none"> 1. Make sure the servo leads are connect properly. 2. Replace servo.
<u>Model does not fly straight</u>	<ol style="list-style-type: none"> 1. Control surfaces not centered. 2. CoG is not in the correct position. 	<ol style="list-style-type: none"> 1. Adjust the trims on the transmitter. 2. Re-position lipo as suggested.
<u>Model does not climb well</u>	<ol style="list-style-type: none"> 1. The battery is not fully charged. 2. Elevator servo is reversed. 3. CG too far backwards. 	<ol style="list-style-type: none"> 1. Charge the battery. 2. Change servo direction via Tx. 3. Move battery forwards.
<u>Limited Radio Range</u>	<ol style="list-style-type: none"> 1. Transmitter/Receiver batteries are flat. 	<ol style="list-style-type: none"> 1. charge/replace batteries.

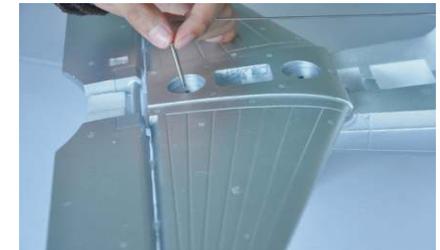
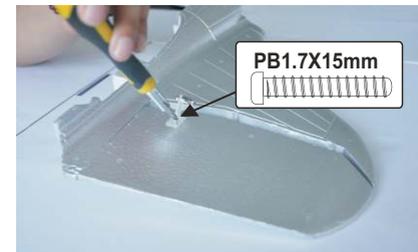
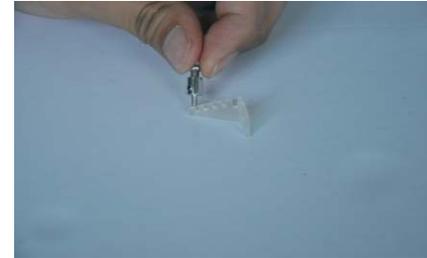
CG LOCATION:

Make sure the center of gravity(CG) is as indicated in the following diagram.



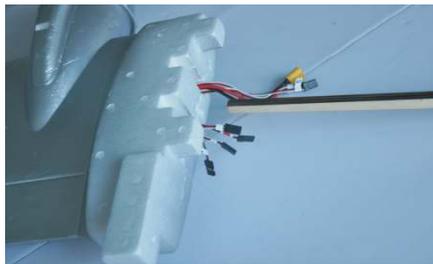
ASSEMBLY

2. Locate the vertical stab and install the rudder control horn as shown. Locate the horizontal stab into the fuselage using the provided machine screws. Then install the elevator control horn as shown. Tail assembly is now complete.





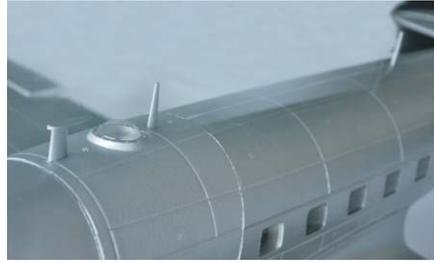
3. Locate the plywood wing spar and glue it into either one of the wing panels. Push the spar into the wing until the center of the spar meets the edge of wing panel as shown. Apply some glue to this same edge and the exposed portion of the spar. Now push the remaining panel fully onto the spar until both sides meet, ensuring both wing halves are completely aligned with one another at the center and that all wires are pulled neatly through to the top of the wing. It is recommended that you do a dry assembly of all parts first.



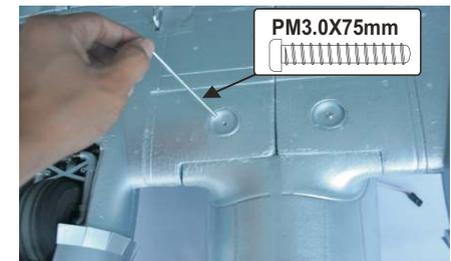
Assembly of your C-47 is complete.
Now perform a final check on all screws, bolts and components, ensuring all are secure and firmly in place.



7. Glue the three antennas into the right place as shown.

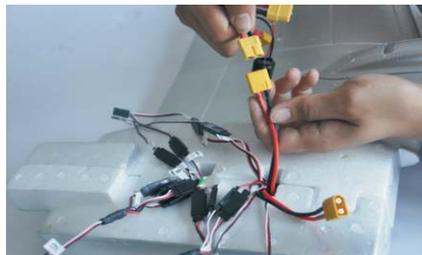
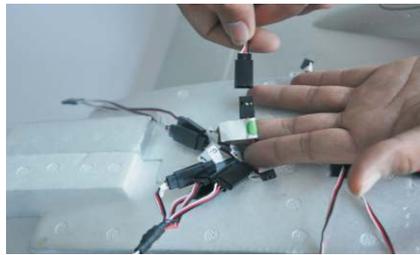
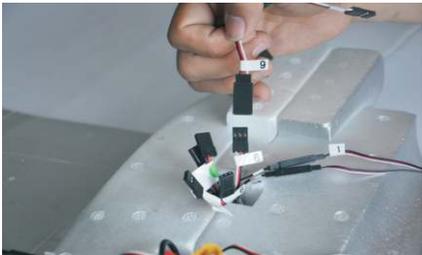
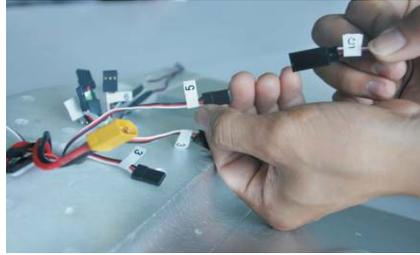
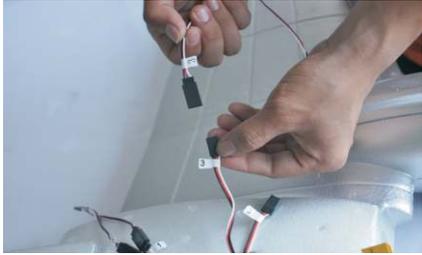


4. Attach the completed wing up to the underside of the fuselage and fix it using the to provided PM3.0X75mm machine screws.



ASSEMBLY

5. Locate all numbered servo Y-leads and connect to their corresponding servo leads as shown.



ASSEMBLY

6. Once you have established propeller orientation, attach each prop to the prop shafts with the provided spinner nut. Be sure to double check that each blade retaining bolt is secure and all blades are at an equal distance from one another.

