



Hobby Lobby's "Waco Biplane RTF"

Wingspan:	39 in.
Length:	31 in.
Wing Area:	503 in ² .
Flying Weight:	24 oz.

WARNING – THIS IS NOT A TOY!

Radio controlled model aircraft are capable of inflicting serious injury and/or property damage if not assembled, operated, and maintained in a competent and safe manner. If you are not already experienced with radio controlled models, we strongly suggest that you find an experienced modeler to assist you.

Warranty

Hobby-Lobby guarantees this kit to be free from defects in both material and workmanship at the date of purchase. This warranty does not cover any component parts damaged by use or modification. In no event shall Hobby-Lobby's liability exceed the original cost of the purchased kit.

Completely read through this manual before starting construction.



Before starting, use the Contents list to take an inventory and make sure it is complete. If any parts are missing or are not of acceptable quality, contact Hobby-Lobby Support at 1-866-WE-FLY-RC (1-866-933-5972)

Contents List

- .. Pre-painted Fuselage (molded foam)
- .. Battery Hatch
- .. Landing Gear
- .. Wheels
- .. Pre-painted Wings
- .. Wing N-Struts and Cabanes
- .. Pre-painted Vertical Tail
- .. Pre-painted Horizontal Tail
- .. Pushrods pre-installed
- .. 4-Channel 72mHz Transmitter
- .. 72mHz Receiver (pre-installed)
- .. 3-Cell 1300mAh LiPoly Battery
- .. Brushless Outrunner Motor
- .. Brushless Controller
- .. LiPoly Balance Charger
- .. 2-Propellers
- .. Miscellaneous Hardware

Additional Items Required

- .. Small Phillips screwdriver
- .. Needle Nose Pliers (optional)
- .. Hobby Knife (optional)

1. Locate fuselage and bag of assembly screws. Lay out screws in size order groups.



2. Locate horizontal tail and 2 screws. Position the tailplane in and screw in place.



3. Locate the vertical tail. Slide the wire from the tailwheel into the plastic mount on the bottom of the rudder.



4. Slide the vertical tail into position in the mount on top of the horizontal tail. Tab at front of tail inserts into fuselage. Screw in place with 2 screws.



5. Locate lower main wing and the "N" struts. Screw in place with 2 small screws. Repeat for other side of wing.



6. Snug up screws but do not over tighten.



7. Screw cabane struts in place on fuselage using 2 small screws. Please refer to photo for correct orientation of cabane. Repeat for other cabane.



8. Locate lower main wing. Plug in aileron servo to receiver, there is an open extension for this.



9. After plugging in the aileron servo, position the lower main wing in place on the fuselage.



10. Screw in place both front and back with supplied nylon screws. Snug up but do not over tighten.



11. Match the tops of the cabanes to the mounts on the bottom of the upper main wing. Screw in position with 2 small screws. Repeat for the other cabane



12. In a similar fashion attach the tops of the 2 "N" struts to the upper wing with 2 small screws each.



13. Connect the top and bottom ailerons with the supplied wire connector.



14. Locate the pre-bent landing gear with wheels and wheelpants. Push in place on fuselage bottom at front of battery box.



15. Open battery box and insert battery.



16. Battery slides toward the nose of the airplane in a pre-formed slot. Please refer to photo.



17. Leaving one nut on the motor shaft, insert the spinner backplate onto shaft till it engages with the nut.



18. Slip propeller onto shaft and secure with additional nuts. Install spinner and hold in place with screws.



19. Install 8-AA cells into the transmitter and turn it on. Lower the left stick (throttle) to its lowest position (bottom of the transmitter) and then plug the flight battery into the speed control. Check that the controls operate in the correct direction, if necessary reverse the direction of a servo with the corresponding reverse switch.

20. With the supplied components installed the C.G. (center of gravity) is automatically correct.

21. Check that the control surfaces are at neutral.
22. With the trim adjustments on the transmitter in their middle position, the control surfaces on the model should be neutral.
23. Adjust the length of the pushrods as necessary.



24. The control throws should be approximately.
25. Elevator= 5/8" Up and Down



26. Ailerons= 1/2" Up and Down



27. Rudder= 1-1/8" Each Way



