2.33M Savage Bobber 1:4

Balsawood Scale Airplane

PRE-FLIGHT CHECKS

Check/adjust servo centering, in order to adjust the control surface better.

• Double-check the spinning direction of motor at first usage, and sure it' s suitable for your model.

• Set the center of gravity (CG) at the position that manual already marked out. If necessary, add weight to the nose or tail to ensure the best flight performance.

• Double-check the inside of the fuselage, make sure all the equipments are correctly connected; Check the heat-shrink covering material' s surface, Make certain all screws, bolts, cabin and canopy remain secure.

• Take great care when connecting/disconnecting the battery, pls replace the battery immediately once found low voltage or damage to battery.

• The way the internal devices of the fuselage are connected will be related to your transmitter-receiver device. For those transmitter-receiver devices with more functions, you can simplify the connection of the internal devices of the fuselage. Check your device for details to see if it meets the features you need.

• When the power system and transmitter-receiver device are paired for the first time, you may need to set the maximum stroke of the throttle. Please set it yourself.

SAFETY PRECAUTIONS

• This product should not be considered a toy, but rather a complicated and sophisticated flying model. Your safety depends on how you use and fly it, If not correctly operated, could cause injury to you or your family members. Children must be accompanied by an adult at all times if operating this product. Not suitable for children under the age of 14. THIS IS NOT A TOV

- Do not fly around some restricted location like airports, military bases, residential areas, etc.
- You will need to range check the transmitter to be sure you are not experiencing any interference.
- Always turn on the receiver last after turning on the transmitter and shut off the receiver first before turning off the transmitter.

• If you are only a beginner to the radio control model flying, do not attempt to fly your model without any assistance or advice from advanced expert fliers.

• Keep relevant items out of reach of children.

• This product has been flight tested to meet or exceed our rigid performance and reliability standards in normal use, if you plan to perform any high-stress flying, you are solely responsible for taking any and all necessary steps to control movement range and reinforce the body strength

• This product may include some fiberglass and carbon-fiber reinforced plastic parts, which may cause eye and skin discomfort, pls wear the goggles or dust-proof clothes when needed.

• Due to air traffic safety control, the products you receive may not have the glue that appears in the list. Please understand and purchase the glue you need at your local stationery store.









Specification

Wingspan:2.33M (92inch) Fuselage Length:1.7M (67inch) Flying weight:≈8.0kg (About 280pound)

Suggested Equipment

Engine:RCGF 35cc Prop:20inch Servo:37g*8pcs





Instruction Manual







SCG40-A: Fuselage SCG40-B: Wing SCG40-C: Vertical tail SCG40-D: Horizontal tail SCG40-E: Cowling F1-2: Landing Gear F3: Wheels G1-2: Tail wheel H1-3: Wing support SCG40-I: Scale dashboard J: Rudder horn SCG40-K: Carbon tube SCG40-L: Throttle linkage M: Scale engine N: Servo seat O: Steel wire connecting rod P: Servo mounting plate Q1-2: Block, Wooden pole

Screws and accessories







Add some lubricating oil in the joint of needle type hinge.(Avoid the glue stuck dead.)

Before install and fasten needle type hinge with epoxide-resin glue, please confirm the surface can swing freely in advance.

Note: The installation of this hinges in subsequent steps requires the same operation













03-6

Remove the servo compartment cover from the wing, and install the servos between the small wooden blocks. When installing the rudder arm, power on the servos back to the center.





Pass the servo wires into the wing and lead out from the side of the wing, The same opration for two servos.







1.Install the servo compartment cover and fix it with self tapping screws

2.Then adjust the connecting rod to the appropriate length, and connect the connecting rod to the servo horn



















Install the rudder steering gear and connecting rod



Install the servo seat at the corresponding position in the picture, fix the reverse side with wooden rod and black tie, and fix it with a large amount of epoxy



Install the servo in the servo position and fix it with screws.





Install the servo arm on the servo and fix it with screws. And install the steel wire stay wire. Here are 2 steel wires controlling the steering rudder.





Install the servo in the servo hole of the horizontal tail and install the servo arm. The servo wire is led into the conduit placed in the previous step and led out from the other end. The left and right are . the same.



The other end of the steel wire is connected to the servo arm of the rudder as shown in the figure.

The two steel wire connecting rods are installed in the same way, and the wires are kept tight after installation.



Connect the connecting rod to the servo arm, and tighten the screws to fix it.

Two steel wire connecting rods are installed in an X-shaped cross.



Install the elevator steering gear and connecting rod

Place a conduit inside the fuselage as shown in the figure on the left, the conduit is spliced by three short tubes. Fix it on the fuselage frame with a tie.

Install the connecting rod on the servo arm and rotate the connecting rod to adjust to the proper length

The left and right servo control groups are installed in the same way.

Install the Motor and Cowling

Here is a demonstration of the engine installation location and the arrangement of electronic equipment and wires, and you can also arrange a reasonable location by yourself. Engine installation display Throttle cable servo installation position



Note: When installing the engine, please adjust the right pull-down angle 3° and pull-down angle 4°.









Self-tapping screw M3x10mm







Install the cable buckle at the reserved hole position shown in the figure.

—11





Control Directions Tests

	Transmitter Command	Aircraft Reaction
	Lifting rod down	
Elevato	Lifting rod up	
Aileron	Steering rod to the right	
	Steering rod to the left	
	Direction rod to the right	
Rudder	Direction rod to the left	



More details about power system adjustment, please refer to below link: (You can scan QR Code directly.)

http://www.dwhobby.com/art/connection

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