

# ASSEMBLY OF YOUR ELECTRIC FREE-FLIGHT SKY VAPOR

**WARNING:** Read instructions carefully! Improper use of this product may result in personal injury or damage to the public.

**WARNING:** Choking hazard - Small parts. Do not allow children under age 3 to play with the Sky Vapor. The model contains small parts which could accidentally be swallowed and cause suffocation. Use with adult supervision.

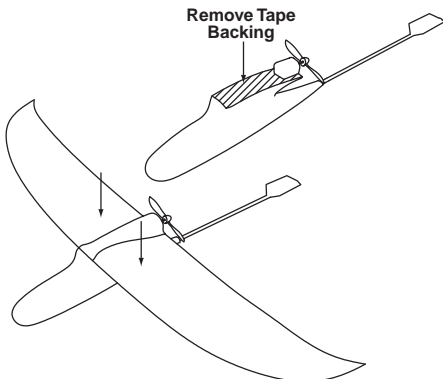


**Replacement Parts**  
**HCAP9904** Charger 2 AA  
**HCAQ3304** Propeller (2)

Requires 4 "AA" Alkaline Batteries (Not Included)

HCAA0315

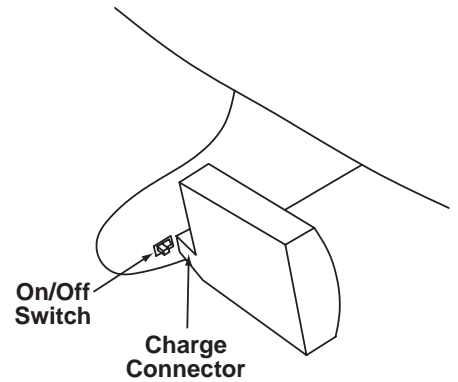
## INSTALL THE WING



1. Remove the backing paper from the double-sided tape on the fuselage.
2. Attach the main wing to the top of the fuselage by lining it up along the centerline and directly behind the ridge on the front of the fuselage. The back of the canopy will slide over the motor shaft.

## CHARGING

1. Remove the back cover of the charger by removing the screws and install 4 "AA" batteries according to the diagram in the charger. Put the cover back on the charger and reinstall the screws. **CAUTION: Do not** use rechargeable (nickel cadmium) batteries. **Do not** mix old and new batteries. **Do not** mix alkaline, standard (carbon zinc), or rechargeable (nickel cadmium) batteries.



**Attention:** The Sky Vapor is powered by a rechargeable battery. At the end of the battery's useful life, under various state and local laws, it may be illegal to dispose of

the battery into the municipal waste system. Check with your local solid waste officials for details in your area for recycling options or proper disposal. **Warning:** This product contains a chemical known to the state of California to cause cancer and birth defects or other reproductive harm.

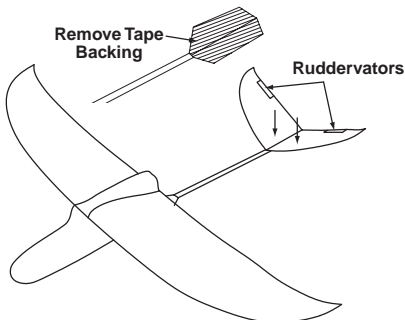
4. Press and hold the button on the charger to charge the airplane. On the first charge, only charge the Sky Vapor for 15 seconds. For longer flights, you may increase the charge time up to 60 seconds.

5. Never charge the Sky Vapor for more than 60 seconds. If you do, you may overheat the batteries in the Sky Vapor or the charger and damage them.

6. When charging is complete, remove the charger from the Sky Vapor.

**CAUTION: Keep fingers, face, clothing and other objects away from the propeller when running.**

## INSTALL THE TAIL



1. Remove the backing paper from the plastic tail bracket at the end of the tail boom.
2. Attach the tail to the fuselage with the ruddervators towards the back.

2. Before charging your free flight Sky Vapor, make sure the "on-off" switch is in the "off" position. (The "off" position is towards the front of the plane.)

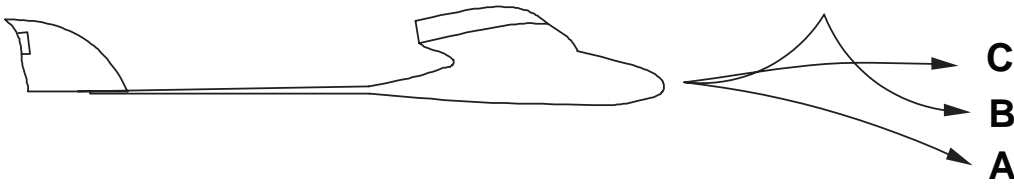
3. Insert the charger into the charge socket on the side of the Sky Vapor. The charger will only fit one way so match the tab on the charger with the notch on the charge socket.

## WARRANTY

Hobbico, Inc. guarantees this kit to be free of 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 case shall Hobbico's liability exceed the original cost of the purchased kit. Further, Hobbico reserves the right to change or modify this warranty without notice. In that Hobbico has no control over the final assembly, no liability shall be assumed nor accepted for any damage resulting from the use of the final user-assembled product. By the act of using the user-assembled product the user accepts all resulting liability. **If the buyer is not prepared to accept the liability associated with the use of this product, the buyer is advised to immediately return this kit in new and unused condition to the place of purchase. Please inspect all parts carefully before starting assembly!** If any parts are missing, broken, or defective, or if you have any questions about assembly or flying of this airplane, please call us at (217) 398-8970, and we'll be glad to help.

## TRIMMING YOUR ELECTRIC FREE-FLIGHT SKY VAPOR (must be done before flying)

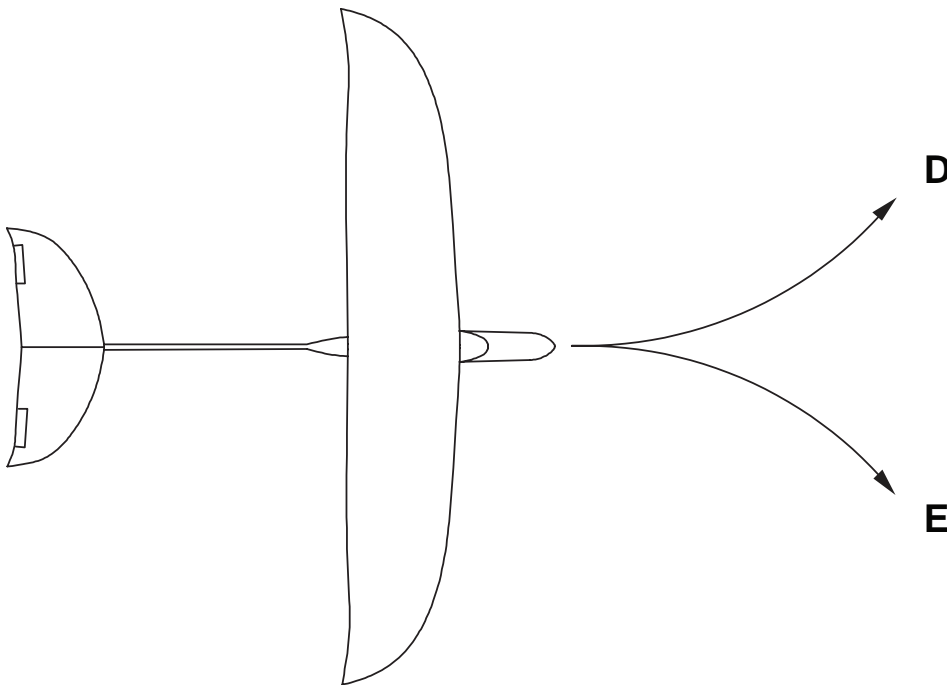
1. It is important to adjust, or "trim", your electric free flight Sky Vapor correctly.
2. Before launching the Sky Vapor, grasp the airplane fuselage and with the **motor off**, gently toss the Sky Vapor into the wind. It should glide straight ahead and settle gently to the ground. See the diagram below.



A = Dive. Bend both ruddervators up slightly.

B = Stall. Bend both ruddervators down slightly.

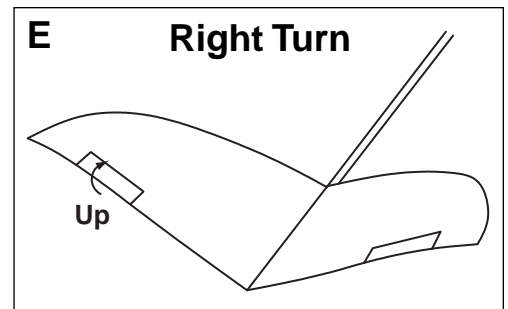
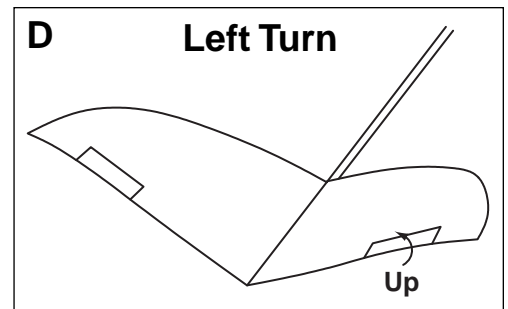
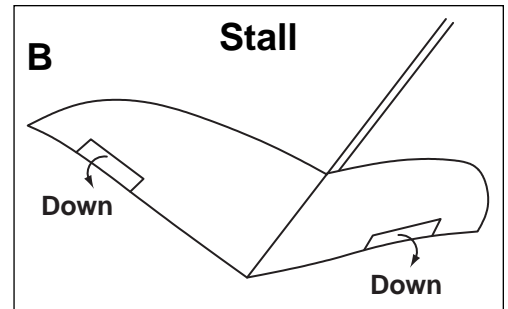
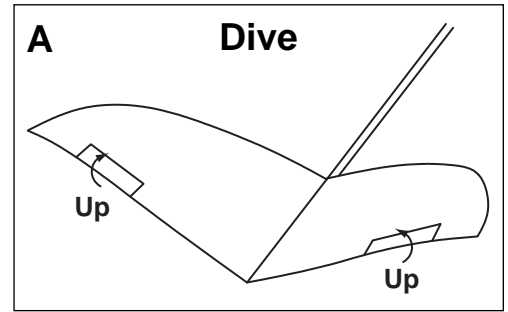
C = Correct flight path.



D = To turn left, bend the right ruddervator up slightly.

E = To turn right, bend the left ruddervator up slightly.

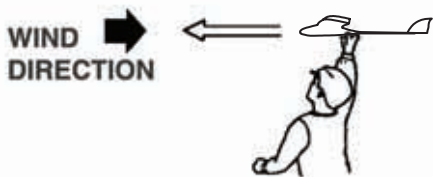
3. Repeat step 2 until your airplane glides well.



## FLYING YOUR ELECTRIC FREE-FLIGHT SKY VAPOR

### SAFETY RULES

- ALWAYS LAUNCH THE AIRPLANE AWAY FROM PEOPLE AND OBSTACLES
- NEVER POINT THE AIRPLANE AT ANYONE OR ANYTHING
- ALWAYS LAUNCH SKYWARD
- DO NOT LAUNCH INDOORS



1. Choose an open field, free of trees, power lines and other obstacles. Hold the Sky Vapor in your hand over your head and switch on the motor with your other hand. Toss the Sky Vapor into the wind, keeping the wing level.

2. The Sky Vapor should climb gently and turn gradually. If it stalls and crashes or does not turn, adjust the ruddervators. Refer to "TRIMMING YOUR ELECTRIC SKY VAPOR" for details.

### IMPORTANT THINGS TO REMEMBER WHEN YOU ARE FLYING YOUR ELECTRIC FREE FLIGHT SKY VAPOR

The most important thing that determines how well your Sky Vapor flies is how well you have trimmed it.

Because it can fly high and far, you must be in a large area away from houses, streets, trees and overhead wires.

Closely inspect your airplane after every flight. Make sure the wing and tail are not broken and that they are securely attached to the fuselage and tail bracket.

Always throw the electric free flight Sky Vapor into the wind. Do not fly the airplane if it is too windy.

Never charge your airplane for more than 60 seconds. If you do, you may overheat the batteries in the Sky Vapor or your charger and damage them.

**REPAIR:** If the fuselage, wing or tail is cracked or damaged, apply white glue and cellophane tape and let dry overnight. To replace the tail section, run it under warm water to soften the glue. Gently pull the tail section away from the tail bracket. Carefully remove any remaining foam or glue with a hobby knife. Replacement tail sections should be attached using white glue.

**WARNING:** Do not use super glue. It will damage the foam. If the wing or tail becomes damaged, apply cellophane tape over the damaged area.

Hobbico, Inc.  
Champaign, IL 61826