Willy Nillies
HOBBIES & CRAFTS
www.willynillies.com

HONKER BIPE-250

LESS THAN 250 Grams!

NO FAA REGISTRATION REQUIRED!

NO REMOTE ID REQUIRED!

Laser Cut-Self Jigging!

Specifications

- Wingspan: 21.5”
- Wing Chord 4"
- Wing Area: 172 square inches
- Fuselage length firewall to tip of rudder: 18.5"
- Flying Weight Brushless or Glow: 6.5-7.5 ounces.
- Wing Loading: 6.2 oz/sq ft
- Wing CUBE Loading: 5.7

MADE IN THE U.S.A. WITH PRIDE

VETERAN OWNED OPERATED

Features:

- Easy access battery hatch
- Built in servo tray in fuselage
- Quick build laser cut wing with Jedelsky style airfoil
- Laser cut self jigging fuselage construction - The entire airframe can be built and ready to fly in 2 to 3 hours!
- All Sheet balsa construction. Airframe can be painted. No covering is required!

Includes:

- All wood pieces to build the entire airframe
- .032 K&S music wire pushrods
- .055 K&S music wire for landing gear
- Motor mounting screws, blind nuts and washers
- 3d printed motor mount that fits most 1306 motors
- 12 each number 32 rubber bands for attaching wing
- All hardware to complete the airframe.

Required/Recommended equipment:

- 2 each 2.5 to 5 gram servos for rudder and elevator
- 2 each 1.25 to 1.5” main wheels
- Paint or light weight covering to seal the balsa.
- Power: 1306 - 3000kv brushless motor or Cox Pee Wee .020 glow engine
- For Brushless - 350 to 500 mah 2s lipo battery
- - minimum 8 amp ESC.
- - Gemfan 5030 or equivalent propeller

THIS IS A BETA KIT!
NO FORMAL BUILD INSTRUCTIONS HAVE BEEN CREATED YET. NO PLANS ARE INCLUDED OR NEEDED.

There are ONLY 38 Different pieces to assemble this kit. If you are able to put a 38 piece jigsaw puzzle together, you CAN put this airplane kit together!

Please join our Builders Group for the latest and greatest build pictures and questions/answers

WARRANTY

Willy Nillies guarantees this kit to be free from any defects in both material and workmanship at the time of purchase. This warranty does not cover ANY components or parts damaged by use or modification. In no case shall Willy Nillies' liability exceed the original cost of the purchased kit. Willy Nillies reserves the right to modify or change this warranty without notice.

LIABILITY RELEASE

In that Willy Nillies has no control over the final assembly or material used for final assembly, no liability shall be assumed or accepted for any damage resulting from the use by the user 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 return the kit immediately in new and unused condition.

PRODUCT SUPPORT

This product has been designed to function properly and perform as advertised with the SUGGESTED power system, speed control, and servos. For the proper electronics to complete this model, replacement parts, and product assembly questions, please contact us online at www.WillyNillies.com

Our aircraft are built from self-jigging interlocking laser cut balsa and plywood parts. It's like a 3D jigsaw puzzle with minimal instructions. Full size plans are NOT included or needed to assemble our kits.

We think you'll like the super simple construction and flying qualities of our kits and look forward to any feedback you might have.

Sincerely,
Doug and Becky Hart
Willy Nillies
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Marietta, IL 61459
www.WillyNillies.com
Phone: 309.648.0449

PLEASE VISIT OUR WEBSITE FOR CURRENT BUILD INSTRUCTIONS, VIDEOS AND UPDATES>

http://www.WillyNillies.com

Building Materials and Tools You Will Need

Smooth and FLAT work surface
Wax paper or clear plastic wrap to protect the work surface
Thin Cyanoacrylate (CA) glue
Medium Cyanoacrylate (CA) glue
Hobby knife with #11 blades
Wire bender or pliers/cutters
Screwdrivers
Sanding block, 320 to 400 grit sandpaper
Covering Iron

Finishing Materials You Will Need

Covering material, light to medium weight (minimum size of 36" x 25") or you may use tissue or paint the airframe.

General Building Tips

Balsa is a lightweight and fragile wood, so you do need to be careful with it; however, you will also need to use a little bit of force to make everything fit properly, so don't be too timid.

Do not remove any pieces from the balsa sheets until they're ready to be used. That way, parts won't get mixed up or disappear.

Join all of your pieces using thin CA (Cyanoacrylate) glue, unless we tell you otherwise. In general, only a small amount of CA is necessary to glue parts together. Use of a capillary tube is HIGHLY recommended.

Don't over force your pieces together. If they aren't fitting together properly, make sure you have the right pieces and they are oriented correctly. If needed, you can lightly sand the part to fit. On balsa "tabs", you can "pinch" the wood with your fingers to get them to fit in slots. (The tabs might be tighter sometimes, due to tolerances in wood thickness)

Control Throws:
Control throws are VERY critical. It is imperative that you DO NOT EXCEED our recommended control throws on your first flight!!!!

Elevator: .35" up and down, measured at the trailing edge immediately aft of the control horn. 25% expo is recommended.

Rudder: .75" right and left, measured at the trailing edge immediately aft of the control horn. 25 % expo is recommended.

Center of Gravity:
1. The best all around C of G is at 1.5 inches aft of the leading edge of the **TOP WING** measured from the leading edge (on the center spar). Adjust your battery forward or aft to achieve this placement for your first flights.

First Flights:
1. This model is a very fun and sporty type aircraft with a wide speed range. That said, don't be afraid of it! If you have followed our instructions and have set control throws accordingly with proper Center of Gravity, you will be rewarded with a very fun all around aircraft.

Words of Caution:
1. This is a SMALL plane. KEEP IT CLOSE.
2. DO NOT LAUNCH AT FULL THROTTLE! The torque from the motor will roll the aircraft quickly!
3..Half throttle and a firm forward throw is all you need to get going.
4. It is highly recommended that you use highly contrasting colors in your finish. Visibility and keeping orientation are very important.
5. That all said, if you manage your throttle at 50% or slightly less, it is a tame and gentle performer and a blast to fly at high power settings also!.

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Enjoy!
Doug and Becky

John 3:16