

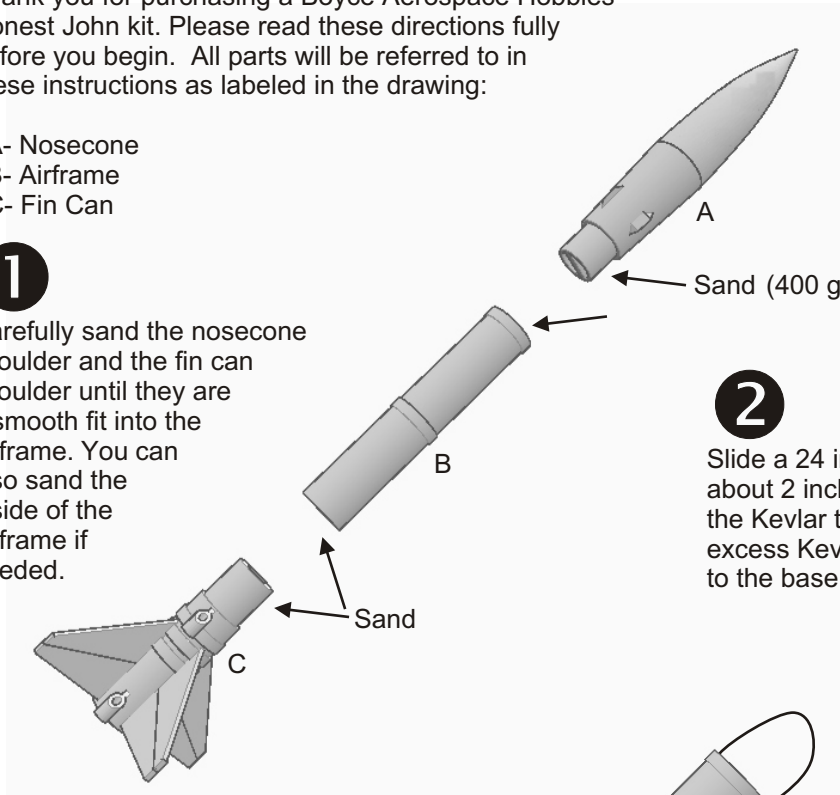
# 1/24th Scale Honest John Flying Model Rocket

Thank you for purchasing a Boyce Aerospace Hobbies Honest John kit. Please read these directions fully before you begin. All parts will be referred to in these instructions as labeled in the drawing:

- A- Nosecone
- B- Airframe
- C- Fin Can

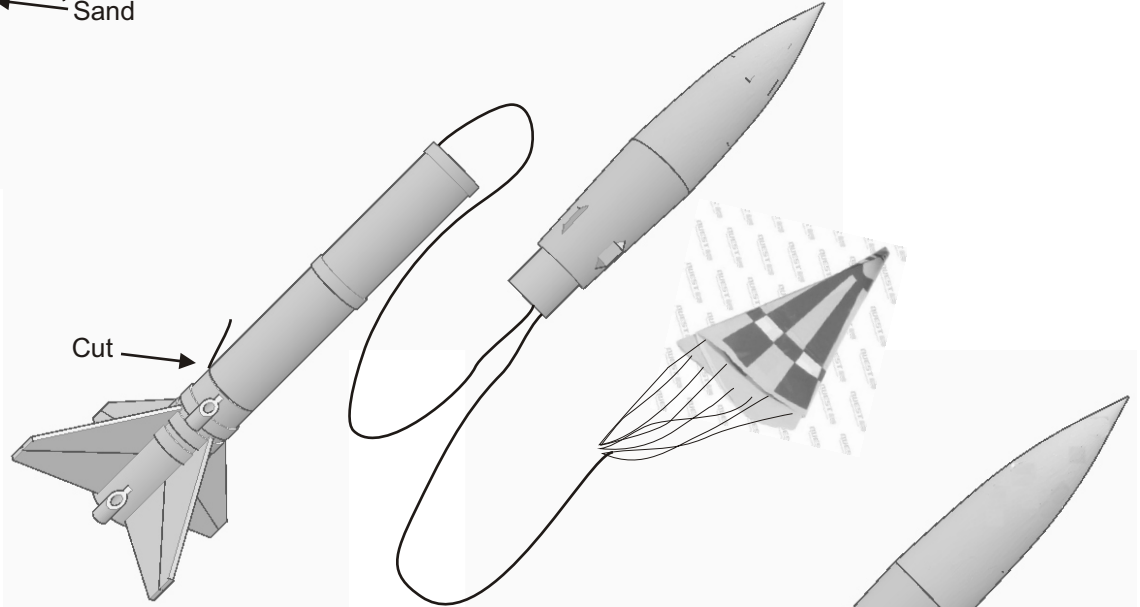
**1**

Carefully sand the nosecone shoulder and the fin can shoulder until they are a smooth fit into the airframe. You can also sand the inside of the airframe if needed.



**2**

Slide a 24 inch length of Kevlar cord through the airframe and allow about 2 inches to hang out the bottom. Super glue the airframe and the Kevlar to the fin can shoulder. After the parts dry cut off the excess Kevlar from the joint between the parts. Tie the Kevlar cord to the base of the nosecone.

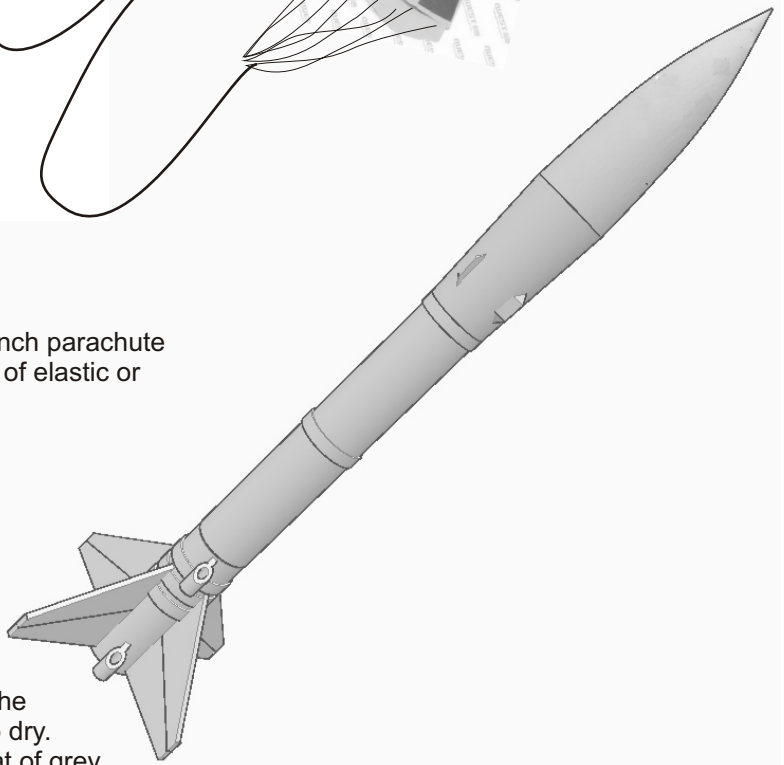


**3**

Attach your favorite 12 to 16 inch parachute to the nosecone with a length of elastic or shock cord in between.

## Finishing your model:

Sand any rough areas on the model with 400 grit wet/dry sandpaper. Dry sand at first then follow with wet sanding until all surfaces are smooth to the touch. Give the model a nice coat of gray automotive primer and allow to dry. Repeat the sanding steps then give the model a final coat of grey primer. Follow this up with wet sanding only and you should have a nice finished surface for painting.



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## PAINT AND DETAIL; THE MODEL AS SHOWN BELOW:

The model should be painted an flat olive drab. The white lettering is a stencil that says "US ARMY".

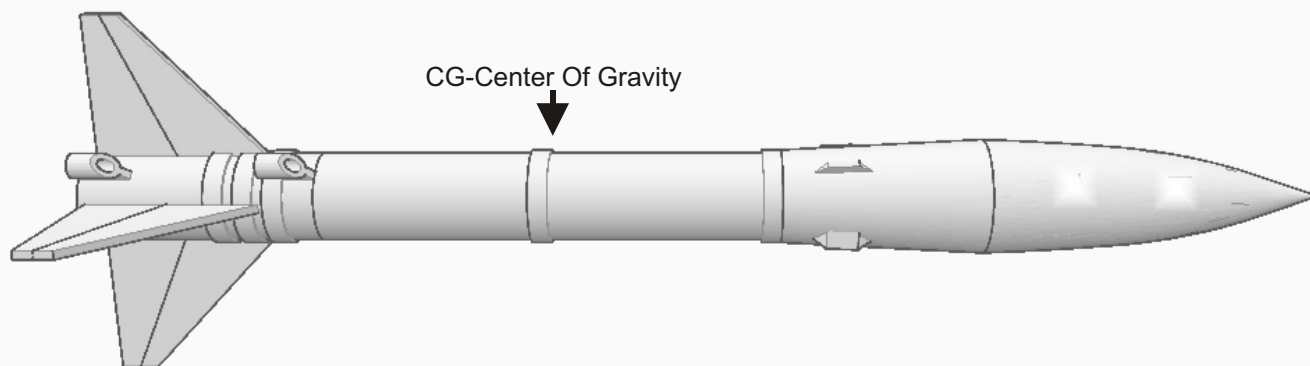


**IMPORTANT!**

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Put a rocket motor in the model then add clay (pack it tightly with a dowel stick) or epoxy to the inside tip of the nosecone until the model balances at the required center of gravity (CG) as shown below. Failure to do so will result in a unstable flight that could injure someone, damage personal property and damage the rocket!



### Flight Prep:

Use recovery wadding and carefully pack your parachute. Use an Estes B4-6 motor for your first flight. Carefully friction fit the motor in place inside the motor mount tube using tape around the motor. Insert an electric igniter per the motor manufacturer's instructions.

Recommended motors for this model are: Estes A8-3, B6-7, C6-7 and RMS 18 mm D13-10. Estimated altitudes for these motors are 143, 381, 812, and 1392 feet. Respectively. Use a software program such as ROCKSIM to model the rockets flight if higher performance motors are used. Please follow all local laws and the NAR Model Rocketry Safety Code when flying this model. Fly safe and have fun!