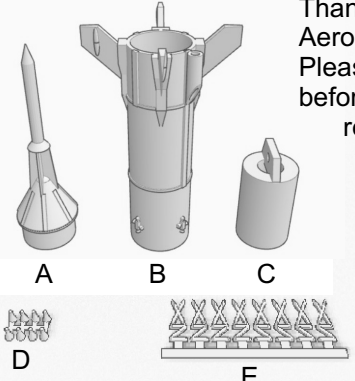


1/125th Scale Apollo Little Joe II Flying Model Rocket

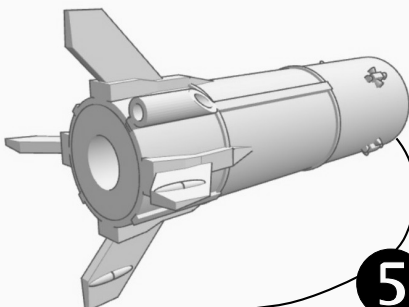
Thank you for purchasing a Boyce Aerospace Hobbies Little Joe II kit. Please read these directions fully before you begin. All parts will be referred to in these instructions as labeled in the drawing:

A- Capsule
B- Airframe
C- Motor Mount
D- Escape Tower Nozzles
E- Escape Tower Trusses.



1

Slide the motor mount into the airframe until the bottom of it is flush with the bottom of the airframe. Drip super glue into the back of the airframe and roll it allowing gravity to help wick the glue in between the body and the mount.



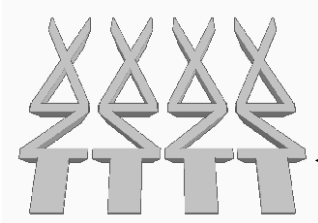
5

You'll need the following supplies to complete your Little Joe II kit:

- 18 inches of thin Kevlar cord
- 12 inch parachute
- A short length of shock cord or elastic cord
- Super glue or ABS glue
- 400 grit wet/dry sandpaper
- Grey automotive spray primer
- Silver and white spray paint

2

Trim four of the escape tower trusses off their runner. Make sure you have two rights and two lefts as shown in the drawing below. Set them in front of you with the beveled side down and in the order shown.

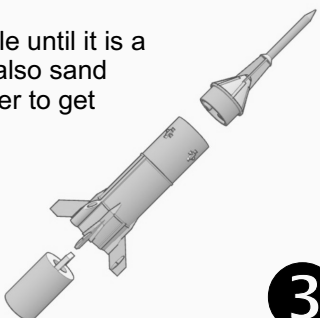


6

Carefully sand the capsule, airframe and motor mount as follows:

Sand the shoulder of the capsule until it is a slip fit in the airframe. You can also sand the inside of the airframe in order to get a nice fit.

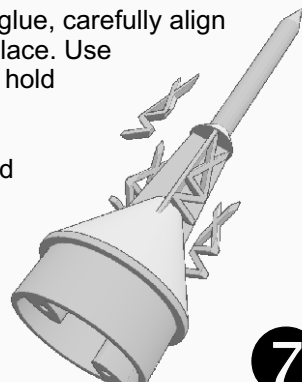
Sand the motor mount until it is also a slip fit in the airframe. Again, you can also carefully sand inside the airframe to get a good fit.



3

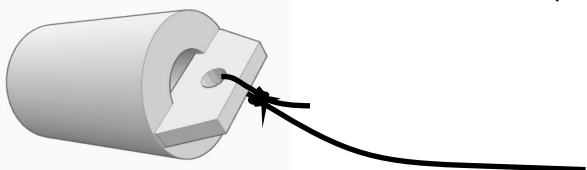
Using a toothpick to apply super glue, carefully align each truss **in order** and glue in place. Use tweezers or a thin strip of tape to hold the trusses as you glue them.

Make sure the trusses are pushed all the way to the bottom of the escape tower skirt so the rocket nozzles will fit correctly in the next step.



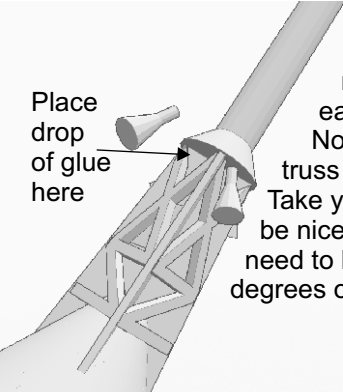
7

Insert a 18 inch length of kevlar cord into the hole on the top of the motor mount. Tie multiple knots in the end of the cord to prevent it from pulling itself out of the motor mount. Put a drop or two of super glue on the knot to keep it from unraveling.



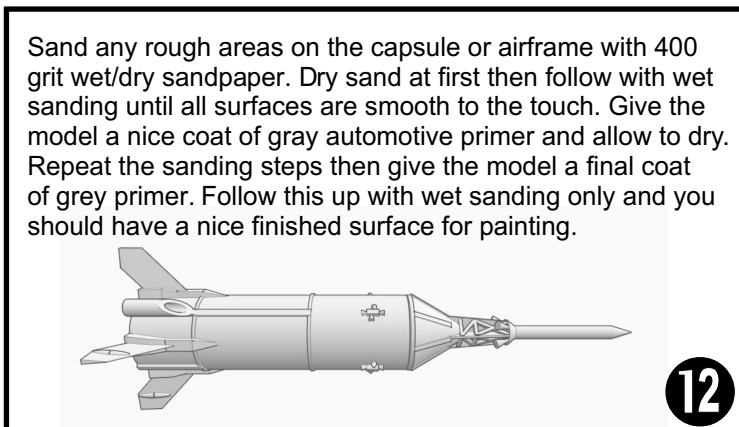
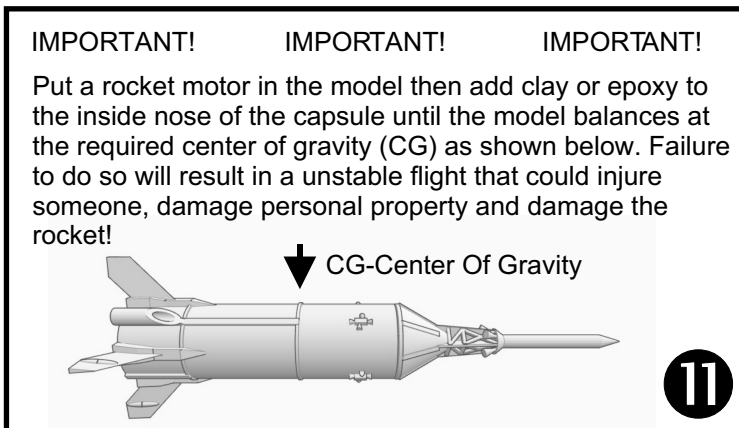
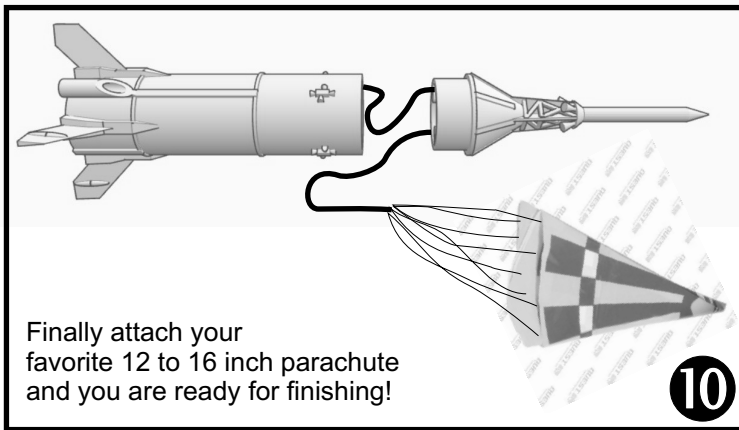
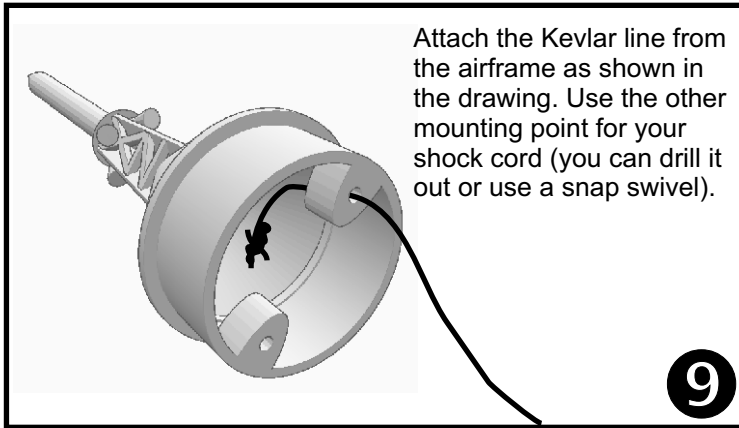
4

Using a toothpick, place a all drop of super glue in the notch of the top truss then place each rocket nozzle in place. Each Nozzle should rest in the "v" of the truss nicely until the glue hardens up. Take your time and the end result will be nice. For those of you who really need to know the nozzles are thirty degrees off vertical.



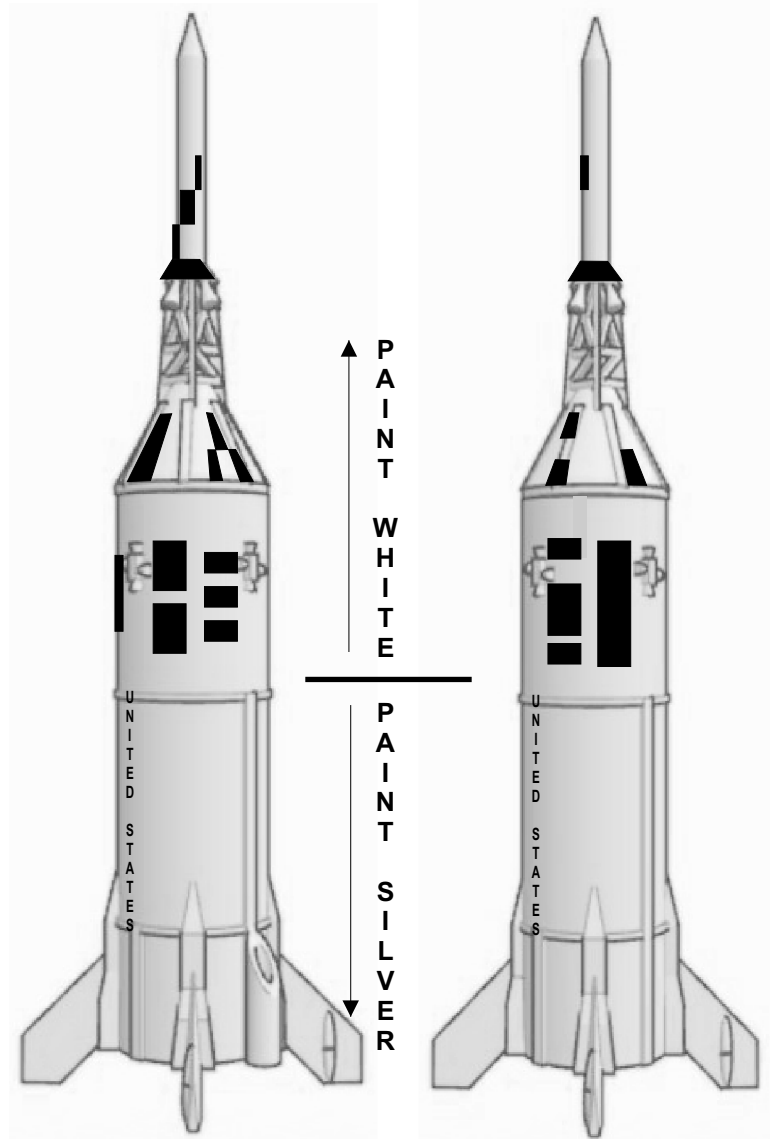
8

1/125th Scale Apollo Little Joe II Flying Model Rocket



PAIN T AND DETAIL; THE MODEL AS SHOWN BELOW:

The top half of the model should be masked off and painted white. The bottom half should then be painted silver. Using black monocoat cut out the roll patterns and attach them to model as shown. Another option would be to create a 1/125th scale decal sheet using water slide decal printer paper.



Flight Prep:

Use recovery wadding and carefully pack your parachute.

Use an Estes 1/2 A10-3T motor for your first flight. Carefully tape the motor in place around the motor mount tube using tweezers to wrap the tape. Do not try to friction fit the motor as this can damage the motor mount if the motor bulges during flight.

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!