

PRINTED IN CHINA Alpha III® FLYING MODEL ROCKET KIT INSTRUCTIONS Keep For Future Reference

SUPPLIES: In addition to the parts included in the kit you will need:









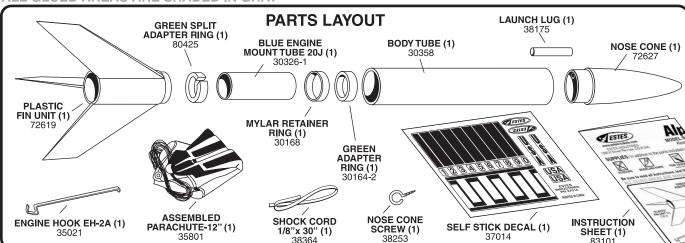


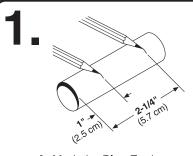




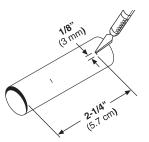
Be sure to read all instructions, test fit all parts, and sand if necessary before gluing.

ALL GLUED AREAS ARE SHADED IN GRAY





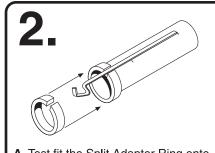
A. Mark the Blue Engine Mount Tube at 1" (2.5 cm) and at 2-1/4" (5.7 cm).



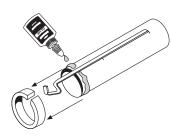
B. Use a Hobby Knife to make a 1/8" (3 mm) wide slit at the 2-1/4" (5.7 cm) mark ONLY!



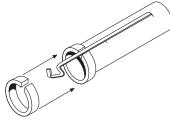
C. Insert the Engine Hook into the slit as shown.



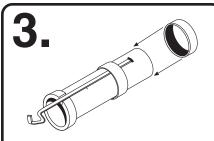
A. Test fit the Split Adapter Ring onto the rear end of the tube so the Engine Hook fits the opening. Sand as necessary. Do not glue.



**B.** Remove ring, apply glue to the rear end of the tube.



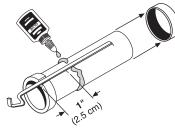
C. Slide ring back onto tube until ends are even. CLAMP TIGHTLY until glue dries.



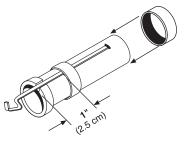
For Estes® Items

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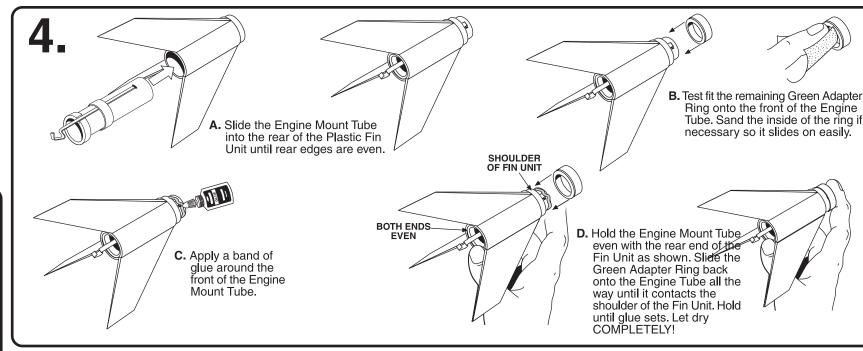
A. Test fit the Mylar Retainer Ring over the Engine Tube and Engine Hook. Do not glue.

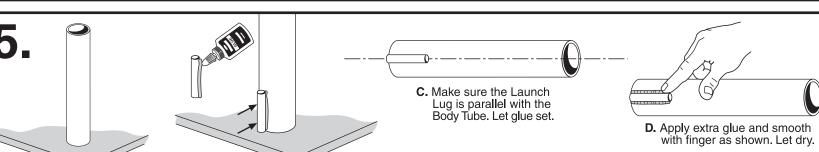


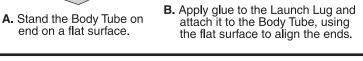
**B.** Slide ring up out of the way, apply glue around the tube above the 1 (2.5 cm) mark.



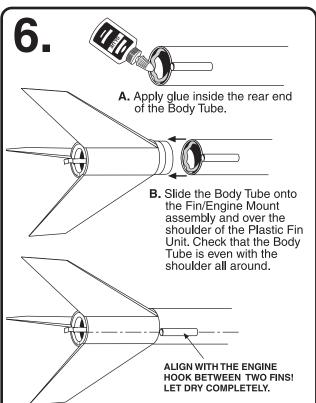
C. Slide ring down until it is even with the mark. Let dry COMPLETELY.

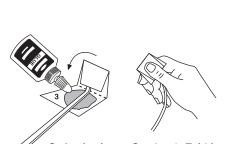




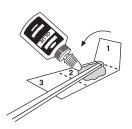


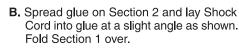


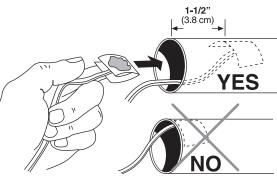


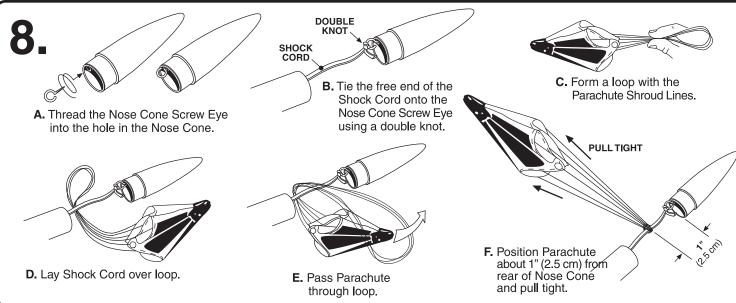


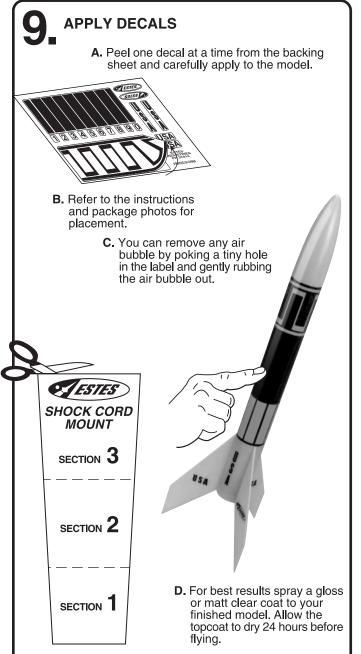
- C. Apply glue to Section 3. Fold forward again. Clamp firmly until glue sets.
- D. Glue the Shock Cord Mount about 1-1/2" (3.8 cm) down inside the front end of the Body Tube. Press firmly into place. Hold until glue sets. Let glue dry completely.

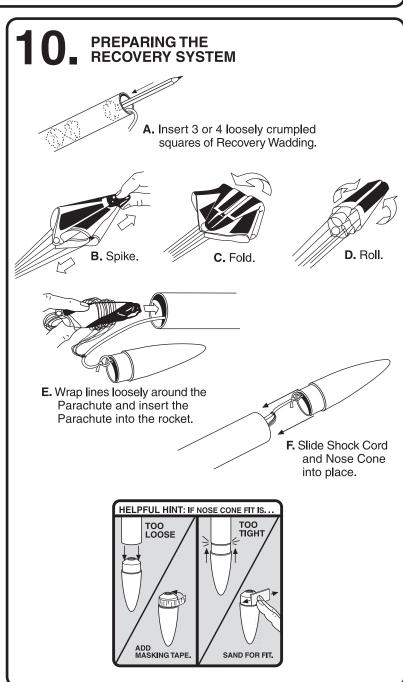


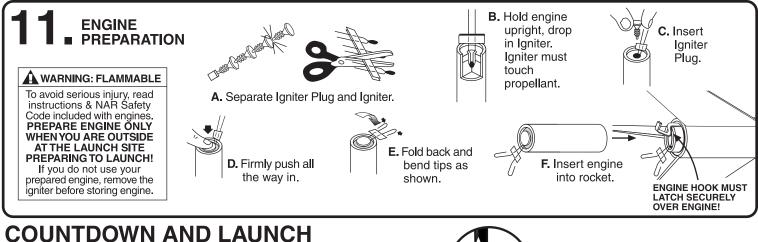


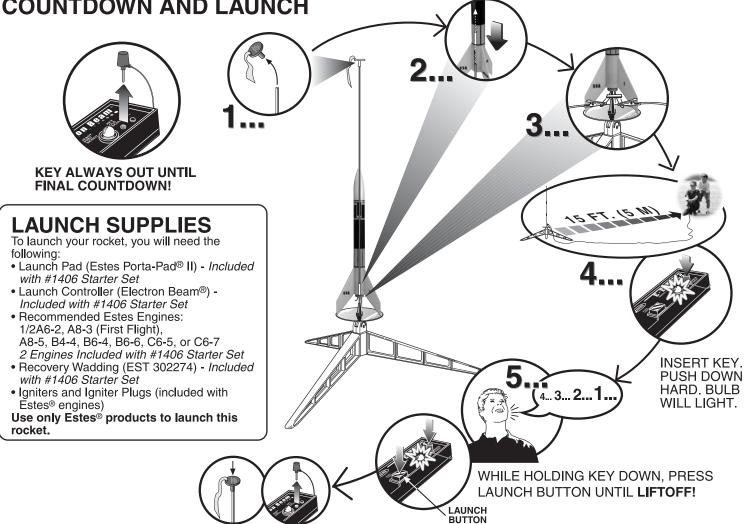












## **PRECAUTIONS**



















**PRE-LAUNCH CHECK**For safety, never launch a damaged rocket. Check the rocket's body, nose cone and fins. Also, check the engine mount, recovery system and launch lug(s). Repair any damage before launching the rocket.

## **FLYING YOUR ROCKET**

Choose a large field (500 ft. [152 m] square) free of dry weeds and brown grass. The larger the launch area, the better your chance of recovering your rocket. Football fields and playgrounds are great. Launch only with little or no wind and good visibility.

Always follow the National Association of Rocketry (NAR) SAFETY CODE.

TAKE THE KEY OUT OF THE CONTROLLER. WAIT ONE MINUTE BEFORE GOING NEAR THE ROCKET! Disconnect the igniter clips and remove the engine. Take the plug and igniter out of the engine. If the igniter has burned, it worked but did not ignite the engine because it was not touching the propellant inside the engine. Put a new igniter all the way inside the engine without bending it. Push the plug in place. Repeat the steps under Countdown and Launch.