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Alpha III[®]

EX[®] SERIES

www.estesrockets.com
ESTES INDUSTRIES
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FLYING MODEL ROCKET KIT INSTRUCTIONS

Keep For Future Reference

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



SCISSORS



MODELING KNIFE



FINE SANDPAPER (#400-600 gmt)



CARPENTERS GLUE



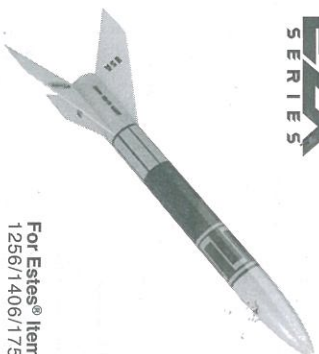
PENCIL



RULER

Be sure to read all instructions, test fit all parts, and sand if necessary before gluing.
ALL GLUED AREAS ARE SHADED IN GRAY

For Estes[®] Items
1256/1406/1751



PARTS LAYOUT

- GREEN SPLIT ADAPTER RING (1) 80425
- BLUE ENGINE MOUNT TUBE 200 (1) 30926-1
- LAUNCH LUG (1) 38175
- NOSE CONE (1) 72627
- PLASTIC FIN UNIT (1) 72619
- MYLAR RETAINER RING (1) 30168
- GREEN ADAPTER RING (1) 30164-2
- ASSEMBLED PARACHUTE-12" (1) 35801
- SHOCK CORD (1) 38374
- NOSE CONE SCREW (1) 38253
- DECAL SHEET (1) 37014-1
- INSTRUCTION SHEET (1) 83101
- ENGINE HOOK EH-2A (1) 35021

1.

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.

2.

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 and **CLAMP TIGHTLY** until glue dries. □

3.

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 in front of the 1" (2.5 cm) mark.

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

4.

A. Slide the Engine Mount Tube into the rear of the Plastic Fin Unit until rear edges are even.

B. Test fit the remaining Green Adapter Ring onto the front of the Engine Tube. Sand the inside of the ring if necessary so it slides on easily.

C. Apply a band of glue around the front of the Engine Mount Tube.

D. Hold the Engine Mount Tube even with the rear end of the Fin Unit as shown. Slide the Green Adapter Ring back onto the Engine Tube all the way until it contacts the shoulder of the Fin Unit. Hold until glue sets. Let dry **COMPLETELY!**

SHOULDER OF FIN UNIT

BOTH ENDS EVEN

5.

A. Stand the Body Tube on end on a flat surface.

B. Apply glue to the Launch Lug and attach it to the Body Tube, using the flat surface to align the ends.

C. Make sure the Launch Lug is parallel with the Body Tube. Let glue set.

D. Apply extra glue and smooth with finger as shown. Let dry.

6.

A. Apply glue inside the rear end of the Body Tube.

B. Slide the Body Tube onto the Fin/Engine Mount assembly and over the shoulder of the Plastic Fin Unit. Check that the Body Tube is even with the shoulder all around.

7.

A. Cut out Shock Cord Mount along solid lines.

B. Spread glue on Section 2 and lay Shock Cord into glue at a slight angle as shown. Fold Section 1 over.

C. Apply glue to Section 3. Fold forward again. Clamp firmly until glue sets.

D. Glue the Shock Cord Mount about 1-1/2" (3.8cm) down inside the front end of the Body Tube, and press firmly into place. Hold until glue sets. Let glue dry completely.

BE SURE THE LAUNCH LUG IS CENTERED BETWEEN TWO FINIS. LET DRY COMPLETELY.

YES

NO

SECTION 1

SECTION 2

SECTION 3

SHOCK CORD MOUNT