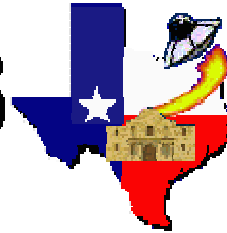


Art Applewhite Rockets

from deep in the heart of Texas



29mm Stealth

Specifications: Height – 7 inches (18cm), Span – 10 inches (25cm), Weight – 2.3 oz (63gm)

Parts List

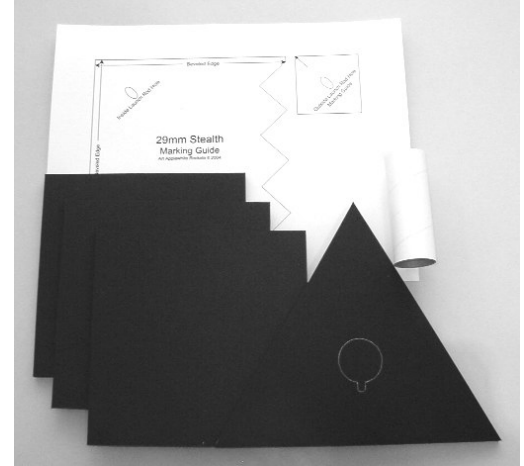
3 SIDES & BOTTOM – Foam-backed Board
Marking Guides – Cardstock
MOTOR MOUNT – 3.25” long 29mm paper tube

Recommended motors:

Any 29mm single use motor or Aerotech RMS 29/40-120 reload.

Tools and supplies needed

#11 Exacto® knife, Metal ruler, Elmer’s Glue-All®, 220 grit sandpaper



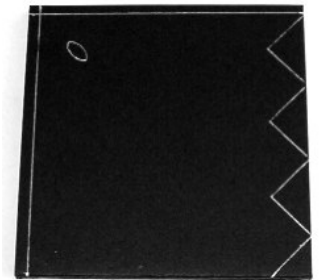
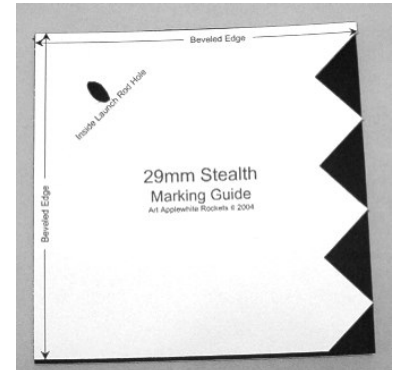
Please make sure all the parts are present. Contact rocket877@aol.com immediately if any parts are missing or damaged.

Tips:

- Read through the entire instructions before beginning
- Use a new #11 Exacto® knife blade.
- Test fit all parts before gluing them.
- Use a light colored Gel pen to mark the foamboard.
- Work on a clean surface, in a well-lighted area.
- Keep your hands clean and free of glue.

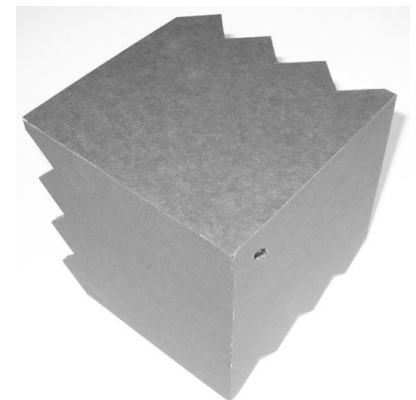
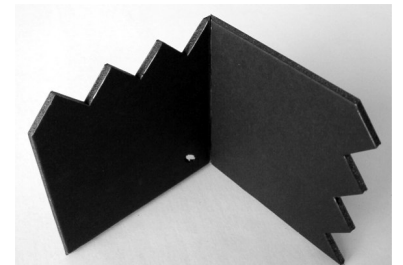
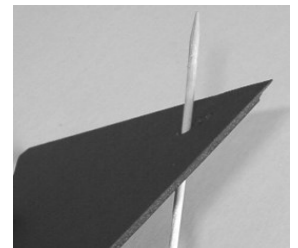
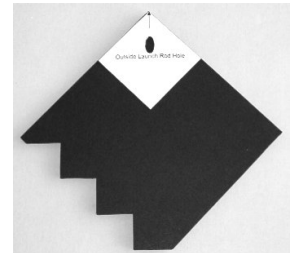
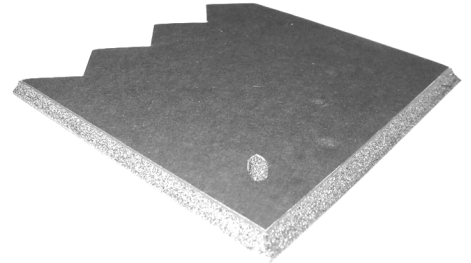
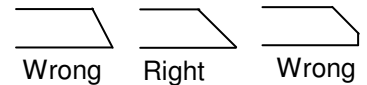
Assembly”

1. Cut out the Marking Guide from the cardstock. Cut out the Inside Launch Rod Hole.
2. Place the Marking Guide on one of the three 6” x 6” square foamboard SIDES. Carefully lining up the edges.
3. Draw a jagged edge along the right edge of the SIDE using the Marking Guide.
4. Make a dot on the foamboard at the tip of each of the 4 arrows labeled “Beveled Cut”.
5. On only the third SIDE, draw the Inside Launch Rod Hole.
6. Remove the Marking Guide and draw a straight line between two of the dots on one edge of the foamboard. Connect the other two dots in the same way. These lines should run parallel to the edges and be the thickness of the foamboard from the edge.
7. Cut out the 4 small triangles from the right side using a #11 Exacto® knife.



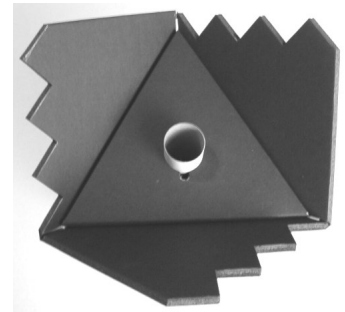
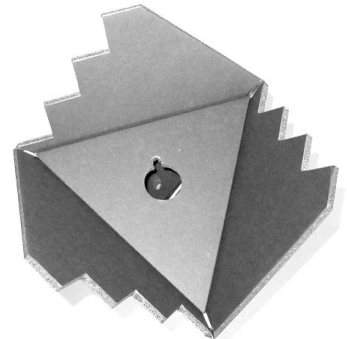
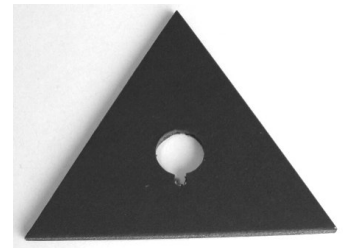
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8. Using the metal ruler as a guide, cut through the foam board on one of the lines drawn in Step 6. Make the cut at a 45-degree angle to the surface. Lightly sand the beveled edges as necessary to make it sharp and straight.
9. Cut the other marked edge in the same way.
10. Repeat steps 2 through 4 and 6 through 9 for the other 2 SIDES
11. With a #11 Exacto® knife carefully cut out the Inside Launch Rod Hole. Cut only through the posterboard and not into the foam. Peel the posterboard out of the hole.
12. Flip the SIDE over.
13. Cut out the Outside Launch Rod Hole Marking Guide from the cardstock.
14. Place the Outside Launch Rod Hole Marking Guide on the SIDE with the arrow pointing into the corner.
15. Draw the OUTSIDE LAUNCH ROD HOLE on the SIDE
16. Cut out the OUTSIDE LAUNCH ROD HOLE the same way as STEP 11.
17. With a sharp toothpick, poke through the INSIDE LAUNCH ROD HOLE to the OUTSIDE LAUNCH ROD HOLE. The toothpick should go through the foam board at an angle of approximately 45 degrees. Carefully enlarge the hole in the foam with a #11 Exacto® knife until a 1/8" launch rod will pass through at an angle without binding.
18. Spread a moderate amount of white glue on the right-hand beveled edge of the SIDE with the LAUNCH ROD HOLE in it.
19. Attach one of the other SIDES along its beveled edge so that the remaining beveled edges of these two SIDES are facing the same direction and they are set at 90 degrees to each other.
20. Once the glue on the two SIDES is dry, glue the remaining SIDE to them along the beveled edges.
21. The three SIDES should now form a partial cube with the LAUNCH ROD HOLE near the corner.
22. Make fillets of white glue along the full length of the inside joints between the SIDES. Wait for the glue to dry before proceeding.
23. These assembled parts will now be known as the "TOP".



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24. With a #11 Exacto® knife, cut out the Motor Mount Hole and Launch Rod Notch from the center of the BOTTOM. Make the cut as neatly as possible. This is more easily done by cut out the hole in several sections.
25. Test fit the MOTOR MOUNT in the Motor Mount Hole and adjust the hole for a snug fit using a single layer of 220 grit sand paper wrapped around a spent 24mm engine casing.
26. Place the BOTTOM flat inside of the TOP so that the three corners of the BOTTOM fit the three joints of the TOP and the LAUNCH ROD NOTCH in the BOTTOM lines up with the LAUNCH ROD HOLE in the TOP.
27. Run a fillet of white glue along all three edges of the BOTTOM where it joins to the TOP.
28. Allow the glue to dry thoroughly.
29. Put a moderate amount of white glue on the forward end of the MOTOR MOUNT.
30. Insert the MOTOR MOUNT into the Motor Mount Hole in the BOTTOM and slide it in until it stops. Make sure that it is aligned evenly with the point of the TOP.
31. Run a fillet of white glue at the joint between the MOTOR MOUNT and the BOTTOM.
32. Spread a thin layer white glue on all the exposed foam edges to protect the foam from paint and heat.
33. Check the clearances of the Launch Rod Holes by running a 1/8" launch rod from the BOTTOM to the TOP through the Launch Rod Holes. The rocket should slide easily on the launch rod.
34. Finish the rocket in any color you wish but be careful not to get paint on any bare foam. Use several light coats to avoid too much of the paint soaking through the posterboard and into the foam. Some paints may dissolve or degrade the foam.



Launch Preparation:

Recommended motors: Any 29mm single use motor or Aerotech RMS 29/40-120 reload. Do not use a motor with the ejection charge installed as this will melt and burn the foamboard and eject the motor.

- Friction fit the motor into the MOTOR MOUNT. A tight fit is not necessary.
- The motor should not stick out more than 1 inch below the bottom of the Sides.
- When using Single Use motors, remove the paper cap from the forward end and safely dispose of the black powder ejection charge. When using a RMS motor do not install the ejection charge in the motor.
- To avoid damage from the motor exhaust, support the rocket at least 6 inches above the blast deflector with a clothespin.

Limitation of Liability: Model rockets are not toys. Model rockets are functional rockets constructed of lightweight materials and launched using pre-manufactured, NAR safety certified model rocket motors in accordance with the NAR Model Rocket Safety Code. Model rockets, if misused, can cause injury, property damage and even death. Art Applewhite Rockets certifies that it has exercised reasonable care in the design and manufacture of its products. Once sold, we cannot assume any liability for product storage, transportation or usage. Art Applewhite Rockets shall not be held responsible for any property damage or personal injury whatsoever arising from the handling, storage, use or misuse of our product. The buyer assumes all risks and liabilities there from and accepts and uses Art Applewhite Rockets products on these conditions.