

# Zvezdotchka ACM

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Glue ears to nose cone



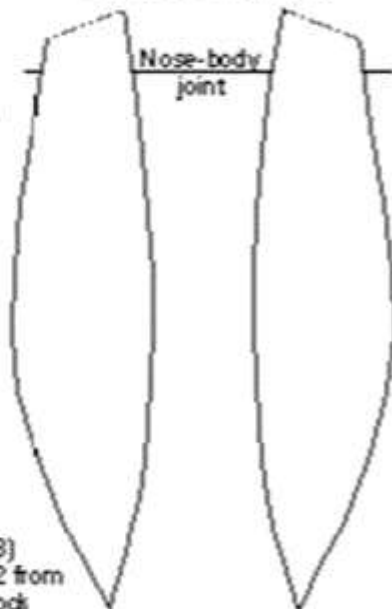
I created the Zvezdotchka Anti-Carrot Missile in response to the threat of a fellow club member's Carrot Missile. It was not an original idea — Estes Industries sold a rabbit rocket, the "Cloud Hopper" in 1973-74. I downloaded the plans from Jim Z's web site, but I felt that I could create a rabbitier rocket on my own. Our pet rabbit, Pida, has helped in the design of some of the lagomorphic features (word of the day: rabbits and hares are lagomorphs, not rodents). Finally, I should explain that Zvezdotchka (Little Star in Russian) was the first rabbit to fly into space, aboard a suborbital V-2-A geophysical rocket. Thanks to her four lucky rabbits feet, she survived and was recovered unharmed.

## Parts:

You will find almost everything in an Estes Big Bertha kit.

- A: Nose Cone from Big Bertha
- B: 2 Ears from cardstock
- C: Shock Cord and Mount
- D: Parachute (12" or 18")
- E: Body Tube, 7" BT-60
- F: 2 Fore Legs from 1/8" balsa or thicker.
- G: 2 Hind Legs from 1/8" or 3/32" balsa (you will need wood bought separately from Big Bertha)
- H: Tail from 1/8" or 3/32" balsa
- I: Standard Engine Mount (Cut Big Bertha mount tube to 2 3/4" long)
- J: Launch lug

Front of eye is about halfway up the nose cone, eye is around 1/4" x 3/8".



Ears (B) Make 2 from cardstock (photocopy plan onto cardstock and cut out).

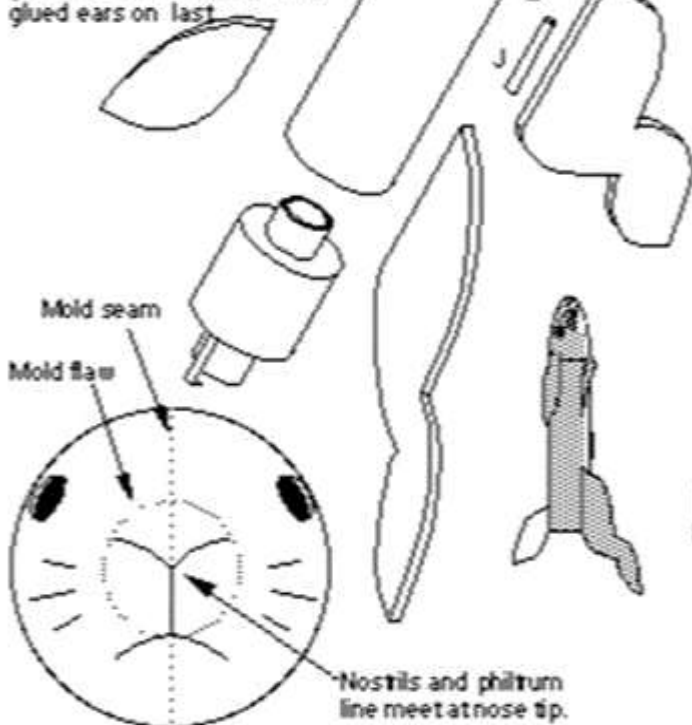
Hind legs and tail are equally spaced around rear of rocket. Fore legs in line with hind legs.

Paint white base coat. Leave white, or mask off tail and spray paint upper side with rabbit appropriate color of your choice. I painted the ears (except where glue goes) separately, scrape paint from glue area on nose cone, and glued ears on last.

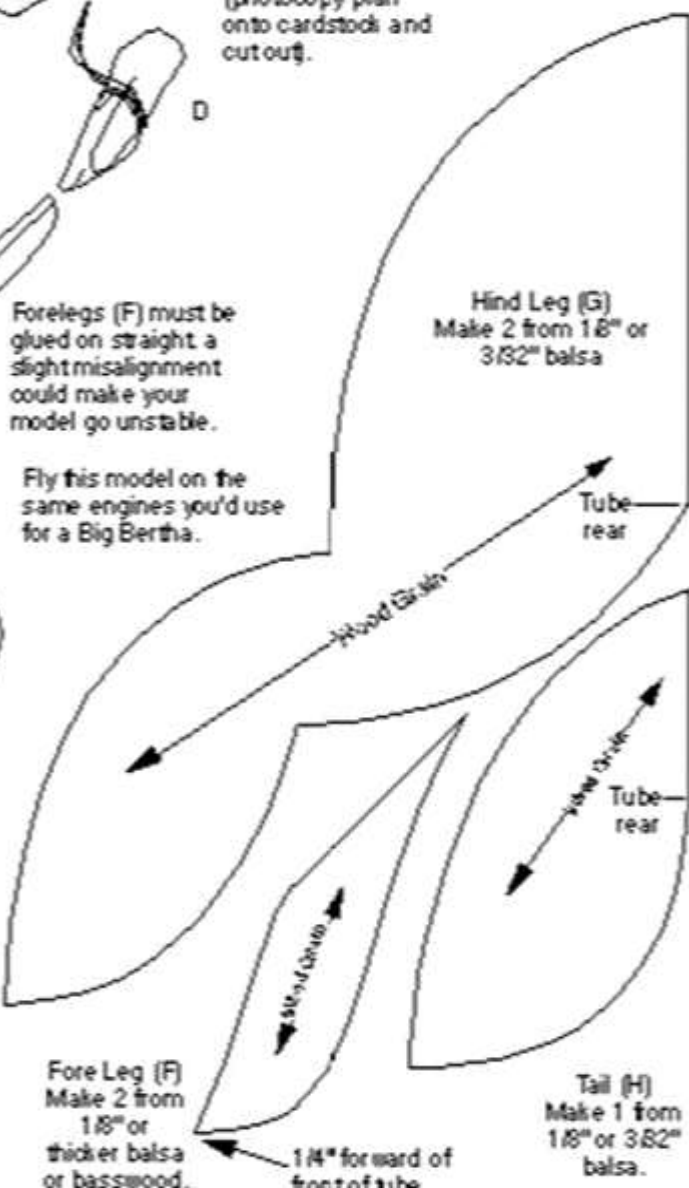
Forelegs (F) must be glued on straight a slight misalignment could make your model go unstable.

Fly this model on the same engines you'd use for a Big Bertha.

Hind Leg (G) Make 2 from 1/8" or 3/32" balsa



Nostils and philtrum line meet at nose tip.



Fore Leg (F) Make 2 from 1/8" or thicker balsa or basswood. 1/4" forward of front of tube

Tail (H) Make 1 from 1/8" or 3/32" balsa.