

These are Micro Maxx engine modification parts for the Viking-7 model as made by: Niels Jahn Knudsen
Conversion parts by: Eric Truax



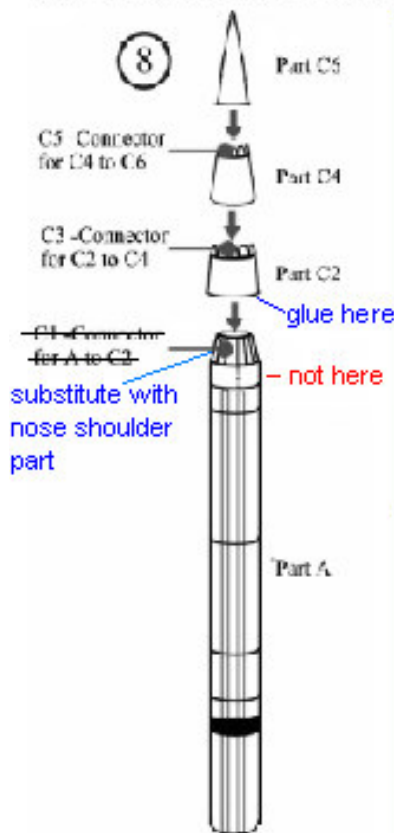
Print out this sheet, or at least the Parts Box, on 65 -67lb 145gm2 cardstock



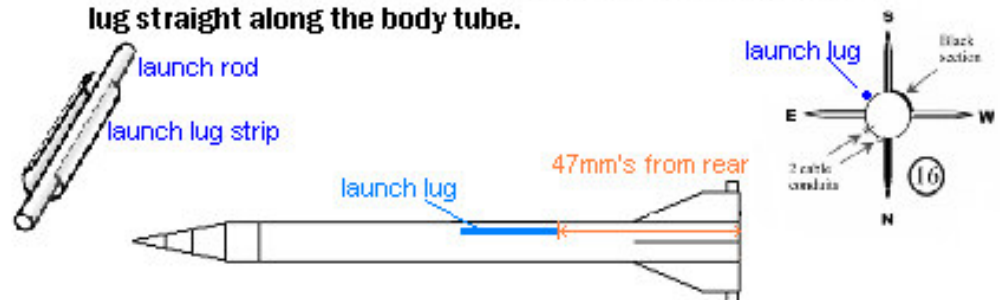
www.geocities.com/nielspapermodels/

Step-1: Log on and visit www.geocities.com/nielspapermodels/ to download the original Viking-7 model. Skip steps 2-7 of the regular Viking-7 building instructions, and all the parts, begin with Step 8

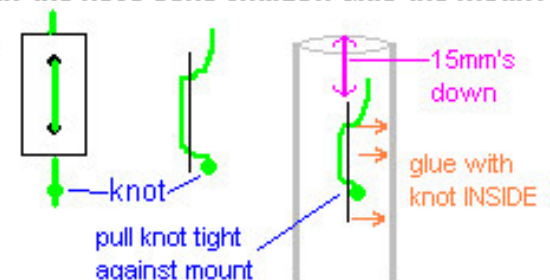
Step-2: substitute part C-1 in step 8 with the nose cone shulder on this sheet. Glue the shoulder into the nose as per the regular instructions, but NOT INTO THE THE BODY TUBE! It has to sepearate in flight.



Step-3: Cut out and roll the lug strip loosely around an mmx size launch rod. Glue the ends where they meet, then glue the lug to the body centered between fins 'E' and 'S', with the rear of the lug 47mm from the rear of the rocket body. Align the lug straight along the body tube.



Step-4: Cut out the shock cord mount, and punch out the 2 black dots. Thread a piece of string, kevar, elastic-etc about 8-10"-20-25cm's long Through the holes, and tie a knot. Glue the threaded mount into the body tube about 1/2"-15mm down, to clear the nose cone shulder. Glue the mount with the knot INSIDE (against tube), and the string pulled tight, so that the knot is also sandwiched between the tube, and the mount paper.



Step-5: After the glue has set on the shock cord body mount, tie a knot in the other end of the string. Place a drop or 2 of white glue into the nose, and insert the knot as far you can into the nose and glue. Use a small rod/stick to help push completely forward. LET DRY COMPLETELY!

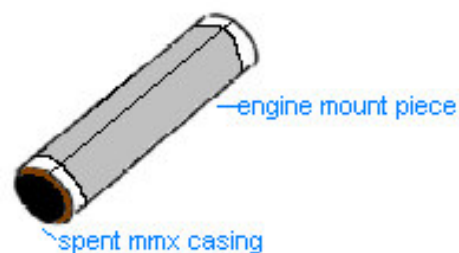


Step-6:

A- Cut out the Motor mount, and both centering strips. Glue the Motor mount around a spent MMX casing, with the 'glue tab' **INSIDE**.

B- wrap, and glue one of the centering strips around the mount at one of the white areas, starting where the mount wrap ends, and glue all the way around. Test fit the wrapped part of the mount into the main body for fit. If tight, sand a little off the centering strip. If loose, carefully cut a bit more cardstock the same width as the strip, use the other strip as a guide, and glue it to the strip on the mount. Repeat the test fit.

C- Repeat the exact procedure for attaching the other centering strip.

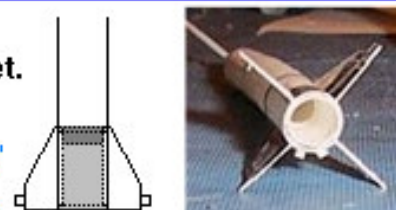


Step-7: Cut out the engine block strip, wrap up, and insert into the top of the engine mount. Glue it inside so that it is flush with the top. An MMX motor should stick out past the bottom of the mount 3mm when assembled correctly.

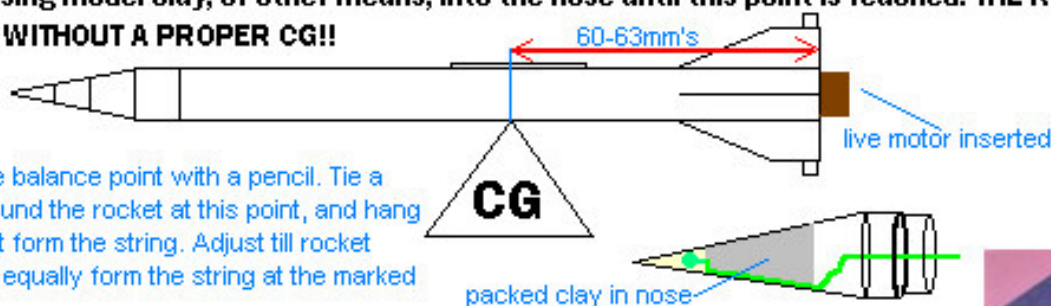


Step-8: Glue the motor mount into the rear of the rocket body, making sure the rear of the motor mount is 'FLUSH' with rear of the rocket.

rear of motor mount 'FLUSH' with rear of rocket



Step-9: CG (center of gravity)/Balance Point.- The CG is located 60-63 mm's **FROM THE REAR OF THE ROCKET!** TO achieve this- Load rocket with a live motor, and all the recovery devices (if any) Add weight using model clay, or other means, into the nose until this point is reached. **THE ROCKET WILL NOT FLY WITHOUT A PROPER CG!!**

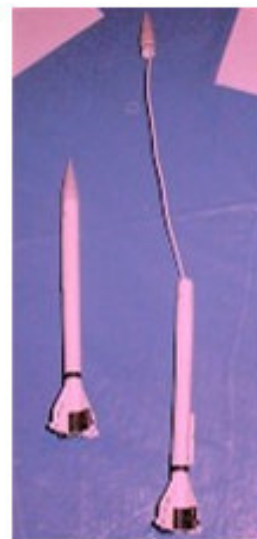


* Mark the balance point with a pencil. Tie a string around the rocket at this point, and hang the rocket from the string. Adjust till rocket balances equally from the string at the marked point.

Step-10: Give your Viking-7 a finish of clear coat to protect it!

That's it Y'all! Use a piece of masking tape to friction fit an MMX motor, get out the pad, and it's LAUNCH TIME!

Shown with engine installed



shown next to original static model