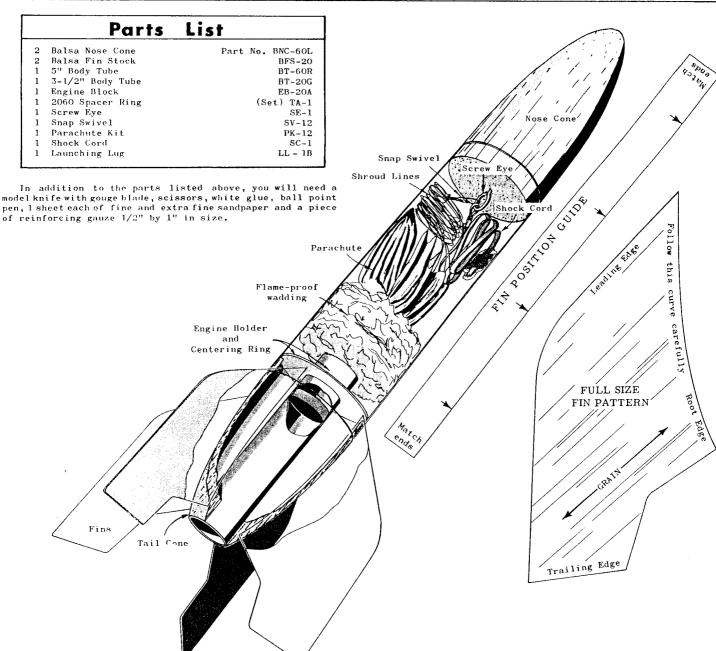
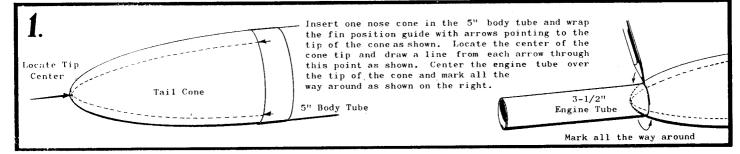
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## Estes Industries Rocket Plan No. 34 WHEE II

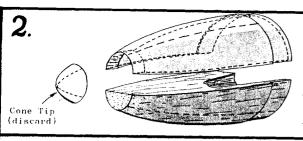




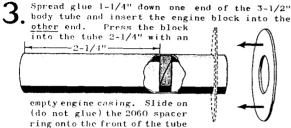
Γail

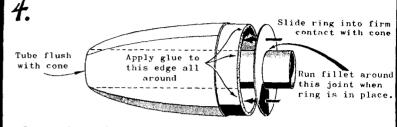
Cone

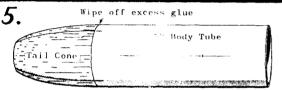
Nose Cone



Cut away the tip of the cone and discard. Split the cone for hollowing and carefully gouge each half to a wall thickness of 1/8". At left is seen a partly hollowed half, and above it is shown how both pieces should appear when finished. Glue the pieces together. Use the small tube as a size gauge and finish the engine tube outlet to be a slide fit. Tape the tube or sand the opening to accomplish this fit.





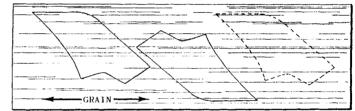


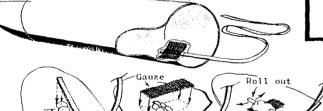
Spread glue inside the tail cone at the engine tube outlet. Slide the tube into place fitting the end flush with the end of the cone. Spread a line of glue around the front of the cone and slide the 2060 ring into contact. Center the forward end of the engine tube in the tail cone with this ring.

Apply glue inside one end of the 5" body tube and install the tail cone assembly. Draw a guide line midway between fin locations for the launching lug. Draw a small mark 1-5/4" from the forward end of the tube to show where the front of the lug will locate.

Trace the fin pattern onto stiff paper. Lay the template on the finstock as shown and carefully trace two fins on each

7. Shown are the launching lug and shock cord in their installed positions. Shock cord details are shown.





**←1-3/4"**--

piece. You'll have spare wood for two more fins in case of an accident. Carefully cut out and sand the fins. Make all edges round except the root which will be fitted later.

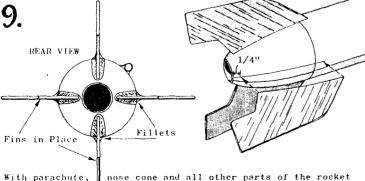
Snap

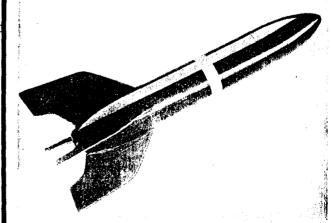
Shock Cord

Shroud Lines

Place two drops of glue 1" into the body tube and lay the end of the shock cord into this. Lay the reinforcing gauze over this point as shown. Apply 5 or 6 drops of glue over the center of the gauze and roll out to either side with a dowel or brush handle. Set aside to dry completely. Assemble the parachute at this point in construction.

Install the screw eye by first turning in and removing it, squirting glue into the hole and reinserting the screw eye. Tie on the free end of the shock cord and clip on the snap swivel.





with parachute, in place, selin place, selict one fin and one guide line to which the fin will be fitted, then glued. Carefully sand the root edge until contact is made along its entire length. Apply glue and align the fin to stick straight out from the tail cone and be in line with the centerline. Do the same with the other three fins and when dry, apply a generous fillet to each. Dry the WHEE II completely and paint to suit your taste. Prep your bird and start the countdown...5...4...3...2...1...LAUNCH!