DECAL ATTACHMENT
A. Peel one label at a time from the backing sheet and carefully apply to the model.
B. Refer to the instructions and package photos for placement.
C. You can remove any air bubble by poking a tiny hole in the label and gently rubbing the air bubble out.

CLEAR COAT ENTIRE ROCKET WHEN PAINT DRIES.

ROCKET PREFLIGHT
A. INSERT 3 OR 4 LOOSELY CRUMPLED SQUARES OF RECOVERY WAX PAPER.
B. SPIKE
C. FOLD
D. ROLL
E. WRAP A LOOSELY INSERT CRUTIE. SHOCK CORD AND NOSE CONE.

COUNTDOWN AND LAUNCH
KEY ALWAYS OUT UNTIL FINAL COUNTDOWN

LAUNCH SUPPLIES (Sold Separately)
- Estes® Power Pac II and
- Elson Beam® Controller
- Recovery Wadding
- Igniters (w/ Engines)
- Igniter Plugs (w/ Engines)
- Estes® Engines: 1/2A6-2
  [First flight], A6-3, A6-5, B4-4, B6-4, B6-6, C6-5, C6-7

ENGINE PREP
WARNING: FLAMMABLE
To avoid serious injury read instructions & NAR Safety Code.
PREPARE ENGINE ONLY WHEN YOU ARE OUTSIDE AT THE LAUNCH SITE PREPARING TO LAUNCH! If you do not use your prepared engine, remove the igniter before storing engine.

PRE-LAUNCH CHECK
For safety, never launch a damaged rocket. Check the rocket's body, nose cone and fins. Also, check the engine mount, recovery system and launch lug(s). Repair any damage before launching the rocket.

FLYING YOUR ROCKET
Choose a large field (500 ft. [152 m] square) free of dry woods and brown grass. The larger the launch area, the better your chance of recovering your rocket. Football fields and playgrounds are great. Launch only with little or no wind and good visibility. Always follow the National Association of Rocketry (NAR) Safety Code.

MISFires:
TAKE THE KEY OUT OF THE CONTROLLER WAIT ONE MINUTE BEFORE GOING NEAR THE ROCKET! Disconnect the igniter clips and remove the engine. Take the slug and igniter out of the engine. If the igniter has burned, it worked but did not ignite the engine because it was not touching the propellant inside the engine. Put a new igniter all the way inside the engine without bending it. Push the plug in place. Repeat the steps under Countdown and Launch.

SUPPLIES
In addition to the parts included in the kit you will also need:
- Scissors
- Pencil
- Ruler
- Carpenter's modelling knife
- Yellow, orange, red & purple plastic cement
- Paints
- Paint brushes
- Spray gun
- Wiping rag
- Fine sandpaper
- Momy pipe cleaner
- Optional: yellow, red, purple (acrylic)

ASSEMBLY TIP
Read all instructions before beginning work on your model. Make sure you have all parts and supplies.
TEST-FIT ALL PARTS TOGETHER BEFORE APPLYING ANY GLUE. If any parts don't fit properly, sand as required for precision assembly.

PARTS
Locate the parts shown below and lay them out on the table in front of you.
- Nose Cone Insert (1)
- Nose Cone (1)
- Body Tube (1) [000323]
- Yellow Spacer Tool (1) [000080]
- Green Engine Block (1) [001612]
- Engine Retainer Ring - MYLAR (1) [003186]
- Tube Marking Guide (1) [on page 2]
- Shock Cord Mount (1) (203421)
- Shock Cord (1) [002924]
- Shock Cord (1) [003461]
- Shock Cord Mount (1) [003461]
- Self-Stick Decal (1) [003900]
- Task Sheet (1) (385241)
- Shock Cord Mount (1) (385241)
- Shock Cord Mount (1) (385241)
- Shock Cord (1) [003461]
- Shock Cord (1) [003461]
- Shock Cord (1) [003461]
- Shock Cord (1) [003461]
- Shock Cord (1) [003461]
- Shock Cord (1) [003461]
1. NOSE CONE ASSEMBLY

NOTE: USE PLASTIC CEMENT ONLY IN THIS STEP.

GLUE BASE INTO NOSE CONE.

2. FIN PREPARATION

A. FINE SAND Balsa SHEET.
B. CUT TINS FREE WITH MODELING KNIFE.
C. STACK TINS TOGETHER AND SAND EDGES SMOOTH.
D. ROUND LEADING EDGES.

3. TUBE MARKING

A. CUT OUT TUBE MARKING GUIDE FROM TOP OF PAGE. TAPE AROUND END OF TUBE.
B. MARK TUBE, IF ARROWS.
C. LAUNCH LUG LINE (DO NOT ROUND).

4. ENGINE MOUNT ASSEMBLY

A. GREEN ENGINE BLOCK
B. YELLOW SPACER TOOL
C. GREEN ENGINE BLOCK
D. GLUE INSIDE.
E. INSERT SPACER TOOL UNTIL 1/4" (6 mm) MARK IS EVEN WITH BOTTOM OF BODY TUBE.
F. REMOVE SPACER TOOL IMMEDIATELY.
G. ENGINE RETAINER RING
H. GLUE
I. BODY TUBE
J. MARK IS H ALFWAY BETWEEN TWO FIN LINES. LAUNCH LUG LINE IS BETWEEN OTHER FIN LINES.

5. FIN ATTACHMENT

A. APPLY THIN LAYER OF GLUE, WAIT 1 MINUTE.
B. APPLY 2nd LAYER AND ATTACH FIN CENTERED ON FIN LINE.
C. REPEAT FOR OTHER FINS.
D. FIN PROJECT STRAIGHT FROM THE BODY

6. LAUNCH LUG ATTACHMENT

A. CUT OUT SHOCK CORD MOUNT FROM FRONT PAGE.
B. CREASE.
C. SMERT GLUE.
D. FOLD FORWARD.
E. SQUEEZE TIGHTLY.

8. SHOCK CORD ATTACHMENT

9. PARACHUTE AND NOSE CONE ATTACHMENT

A. LOOP
B. NOSE CONE
C. DOUBLE KNOT SHOCK CORD.
D. "WILD" PAINT SCHEME
E. "CONVENTIONAL" PAINT SCHEME
F. CLEAR COAT ENTIRE ROCKET WHEN PAINT DRIES.