COUNTDOWN AND LAUNCH

KEY ALWAYS OUT UNTIL FINAL COUNTDOWN!

1. MASKING TAPE
2. INSERT KEY. PUSH DOWN FIRMLY AND HOLD.
3. WHILE HOLDING KEY DOWN FIRMLY AND HOLD.
4. LAUNCH BUTTON

PREL-AUNCH CHECK

FLYING YOUR ROCKET

CONVERTER™
FLYING MODEL ROCKET KIT INSTRUCTIONS
KEEP FOR FUTURE REFERENCE

ASSEMBLY TIP

Read all instructions before beginning work on your model. Make sure you have all parts and supplies available.

INSTRUCTIONS TO ALL USERS:
1. ASSEMBLE FIN UNIT
2. ATTACH TAIL SECTION BODY TUBE/TAIL ASSEMBLY
3. ASSEMBLE BODY TUBES/SCREW COUPLERS

PARTS

Include the parts shown below and lay them out on the table in front of you. DO NOT USE THIS DRAWING TO ASSEMBLE YOUR ROCKET. Use the parts list in your kit.

SUPPLIES

In addition to the parts included in the kit you will also need:

PRECAUTIONS

• Estes Engines:
• Igniter Plugs (with engines)
• Igniters (with engines)
• Recovery Wadding (302274)
• Electron Beam® Launch Controller
• Porta Pad®II Launch Pad

ESTES LAUNCH SUPPLIES

B4-2, B4-4, B6-2, B6-4, C6-3, C6-5

Safety Code

NAR

TAPE

MASKING

TRIMMING

HELPFUL HINT: IF NOSE CONE FIT IS...
4. ATTACH SHOCK CORD AND MOUNT

A. Carefully cut out shock cord mount at left.

B. Lay end of shock cord on sections 2 and 3 or mount. Apply glue to section 2. Fold section 1 over section 2.

C. Apply glue to section 3. Fold forward.

D. Squeeze tightly and hold until glue sets.

E. Glue mount 1” (25 mm) inside upper body tube. Hold until glue sets. Let dry.

5. ATTACH NOSE CONE AND PARACHUTE

A. Clean the eye of the nose cone.

B. Tie shock cord to nose cone with a double knot.

C. Form loop with parachute shroud lines.

D. Lay shock cord over loop about 3/4” (19 mm) from nose cone.

E. Pass parachute through loop.

F. Pull tight.

6. APPLY DECALS

A. Assemble as a 4-piece rocket and apply decals as shown. This assures that the labels line up when flying as a 2-piece or 3-piece rocket.

7. ROCKET CONFIGURATIONS:

You can easily change the length of your rocket by screwing different body tube sections together. You can fly a 2-section, 3-section or 4-section rocket.

A. 2-Piece Rocket

A. Screw the nose cone section onto the tail assembly.

B. Screw either body section onto the body assembly.

C. Screw the remaining body section onto the body.

RECOMMENDED ENGINES:
B4-2, B4-4, B6-2, B6-4, C6-3, C6-5

B. 3-Piece Rocket

A. Screw the nose cone section onto the tail assembly.

B. Screw the body section onto the body assembly.

C. Screw the remaining body section onto the body.

RECOMMENDED ENGINES:
B6-2, B6-4, C6-3, C6-5

C. 4-Piece Rocket

A. Screw either body section onto the tail assembly.

B. Screw the remaining body section onto the body.

C. Screw the nose cone section to the top of the body.

RECOMMENDED ENGINES:
B6-2, B6-4, C6-3, C6-5

8. PREPARE PARACHUTE FOR FLIGHT

A. Insert 4-6 loosely crumpled squares of recovery wadding.

B. Spike parachute.

C. Twist engine lock ring into locked position to hold engine in place.

D. Lay shock cord at rear of rocket as shown.

E. Wrap lines loosely; insert shock cord and nose cone into body tube.

F. Roll lines.

NOTE: Only Estes Wadding (302274) recommended.

9. ATTACH SHOCK CORD MOUNT

A. Assemble as a 4-piece rocket and apply decals as shown.

B. Lay shock cord 3/4” (19 mm) from nose cone.

C. Form loop with parachute shroud lines.

D. Lay shock cord over loop about 3/4” (19 mm) from nose cone.

E. Pass parachute through loop.

F. Pull tight.

10. ATTACH NOSE CONE SECTION

A. Screw the nose cone section onto the tail assembly.

B. Screw either body section onto the body assembly.

C. Screw the remaining body section onto the body.

D. Screw the body section onto the body assembly.

11. ATTACH BODY TUBE

A. Insert 6-8 loosely crumpled squares of recovery wadding.

B. Wrap lines loosely. Insert ‘chute, shock cord and nose cone into body tube.

C. Fold forward.

D. Roll forward.

IMPORTANT: Both recovery wadding and parachute must slide easily into body. (If fit is too tight, undo and repack).

12. ATTACH IGNITERS

A. Slide engine into rear of rocket as shown.

B. Separate igniter and igniter plug.

C. Insert igniter plug into rocket to hold engine in place.

D. Insert igniter into engine to secure engine in place.

E. Twist engine lock ring into locked position to hold engine in place.

F. Firmly push all the way in.

G. Bend igniter wires as shown.

13. PREPARE YOUR 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 your engine.

IGNITER MUST TOUCH PROPELLANT.

CAUTION:
DO NOT CUT OFF EYELET OF NOSE CONE.

NOTE: Only Estes Wadding (302274) recommended.

14. INSERT ENGINE INTO ROCKET

A. Screw either body section onto the tail assembly.

B. Screw either body section onto the body assembly.

C. Screw the remaining body section onto the body.

D. Screw the body section onto the body assembly.

E. Screw the nose cone section onto the tail assembly.

F. Screw the nose cone section onto the body assembly.

G. Screw the remaining body section onto the body.

H. Screw the body section onto the body assembly.

I. Screw the body section onto the body assembly.

J. Screw the body section onto the body assembly.

K. Screw the body section onto the body assembly.

L. Screw the body section onto the body assembly.

M. Screw the body section onto the body assembly.

N. Screw the body section onto the body assembly.

O. Screw the body section onto the body assembly.