10. PREPARE ENGINE

WARNING: FLAMMABLE!

To avoid serious injury, read instructions & NAR Safety Code included with engine.

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.

COUNTDOWN AND LAUNCH

KEY ALWAYS OUT UNTIL FINAL COUNTDOWN!

1... 2... 3... 4... 5...

MASING TAPE

WHILE HOLDING KEY DOWN, PRESS LAUNCH BUTTON UNTIL LIFTOFF!

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 weeds 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 clip and remove the engine. Take the plug 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.

ESTES LAUNCH SUPPLIES

(Sold Separately)

- Ports Paddle II Launch Pad
- Electron Beam II Launch Controller
- Recovery Wadding (included with some engines)
- Igniter and Igniter Plug (included with some engines)
- Estes Engines: B6-2, (First Flight), C6-3

ESTES ENGINE LOCK RING

ENGINE CAP

WARNING: FLAMMABLE!

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.

SUPPLIES

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

1.4. 5. 6. 7. 8. 9. 10.

ASSEMBLED PARACHUTE 14” (677 mm)

SELF STICK DECAL (1)

4 PIECE FIN SET (64/84)

PLASTIC CEMENT

PHILLIPS SCREWDRIVER

MODELING KNIFE

MASKING TAPE

ASSEMBLED LIGHT TUBE (1)

NOSE CONE (1)

BUTTON CELL BATTERIES (1)

ENGINE LOCK RING (1)

RUBBER SHOCK CORD 14" x 10" (5 cm x 76 cm) (1)

PLASTIC CEMENT

FIN HALVES

PINS

FIN HALVES
2. SHOCK CORD ATTACHMENT
A. Locate Lighted Body Tube (LBTR) center section.
B. Locate the 1/4" x 30" rubber shock cord and trim one end to form an angle as shown.
C. Insert one end of shock cord through the molded loop.
D. Tie a double knot at the end of the shock cord.

3. ATTACHING THE UPPER BODY TUBE
A. Slip the rubber shock cord through the upper body tube.
B. Apply plastic cement to upper body tube and press onto lighted body tube. Do not get cement on shock cord.

4. GLUE LBT SECTION TO FIN ASSEMBLY
A. Apply plastic cement to inner part of LBT coupler.
B. Make sure launch lug are centered between fins.
C. Align fins with notches on LBT section and press fin assembly in place.
D. Allow cement to dry.

5. APPLY DECALS
A. Peel one self-stick decal 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.

6. ATTACH NOSE CONE AND PARACHUTE
A. Clean the eye of the nose cone.
B. Tie shock cord to nose cone.
C. Form loop with parachute shroud lines.
D. Lay shock cord over loop about 3/4" (19 mm) from nose cone.

7. HOW TO USE THE LIGHTED BODY TUBE ROCKET (LBTR)
A. Push the on/off button once to turn on. (There are five flash settings to choose from.)
B. Push the on/off button to change to the next flashing sequence.
C. After turning on your LBTR, the flashing display will remain active for 10 minutes, then automatically turn off.
D. To turn the LBTR off, push the on/off button down and hold for three seconds, until two LED's go out, the flashing unit is turned off until your next flying session.
E. When the button is pressed a sixth time it automatically turns off.

8. PREPARE RECOVERY SYSTEM
A. Begin by inserting four pieces of wadding into the center tube of the LBTR.
B. Use a pencil to push the wadding down into the center tube.
C. Spike parachute.
D. Fold.
E. Roll.
F. Wrap shroud lines loosely. Insert parachute, shock cord and nose cone into body tube.

9. TO REPLACE THE LBTR BATTERIES
A. Remove the 2 screws holding the light controller.
B. Carefully remove the upper section to reveal the batteries.
C. Carefully remove the batteries noting the polarity.
D. Place the new batteries as indicated.
E. Replace the upper section carefully and insert and tighten the 2 screws.
F. Press the button to check for proper function.

NOTICE: USES L1154 OR EQUIVALENT BUTTON CELLS.