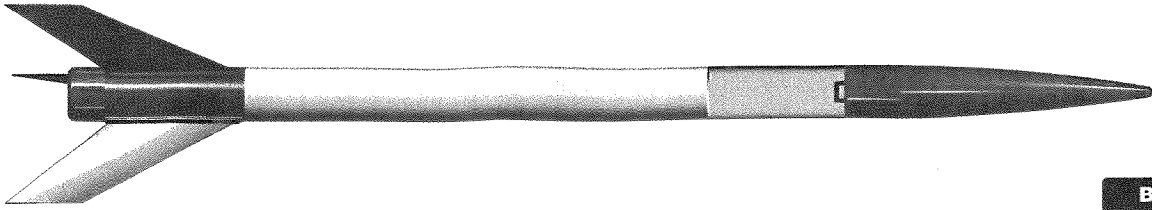




estesrockets.com

CAMP ROCKETS



AGES
10+

Skill Level

BEGINNER

KEEP FOR FUTURE REFERENCE

IMPORTANT: Please record date found on decal and keep for future reference. _____

READ ALL INSTRUCTIONS. Make sure you have all parts and supplies. Test fit all parts before applying glue. Refer to your glue manufacturer's dry times during build.

SUPPLIES



SCISSORS



FINE
SANDPAPER



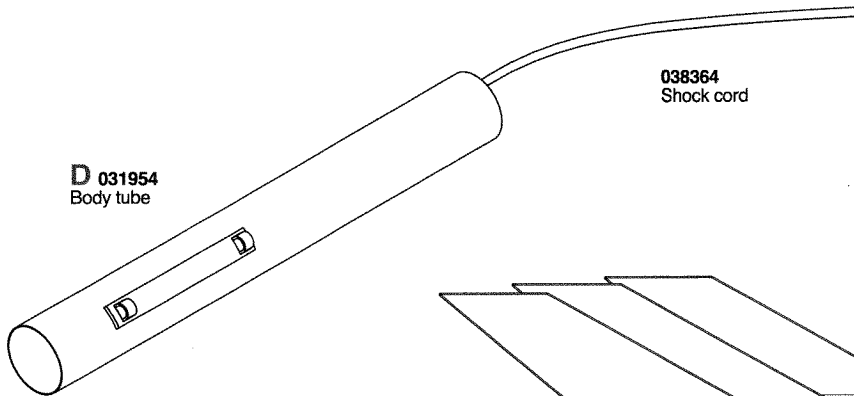
MASKING
TAPE



CLEAR
TAPE

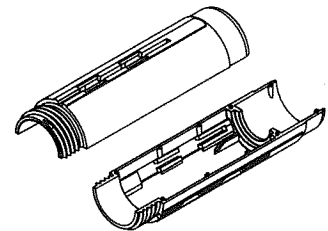


PLASTIC
CEMENT

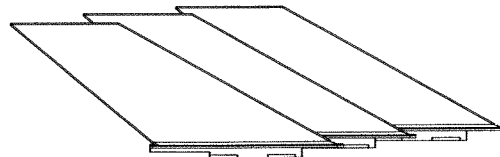


D 031954
Body tube

038364
Shock cord



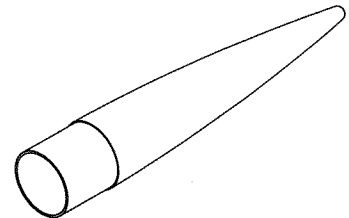
A/B 068228 / 229
Engine mount half



E 068230
Fins



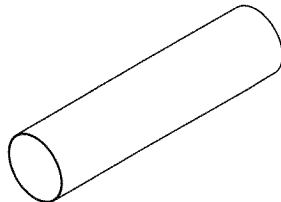
C 068231
Engine cap



J 068227
Nose cone



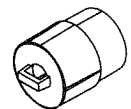
G 030066
Insert sleeve



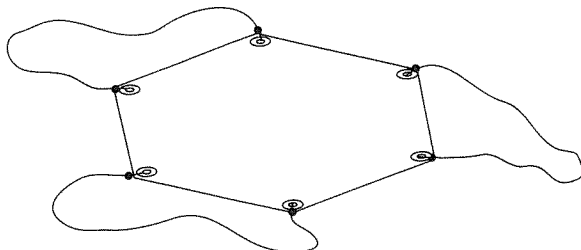
H 030608
Clear payload section



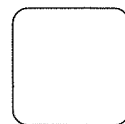
I 068233
Nose cone insert



F 072605
Insert



K 035801
Parachute

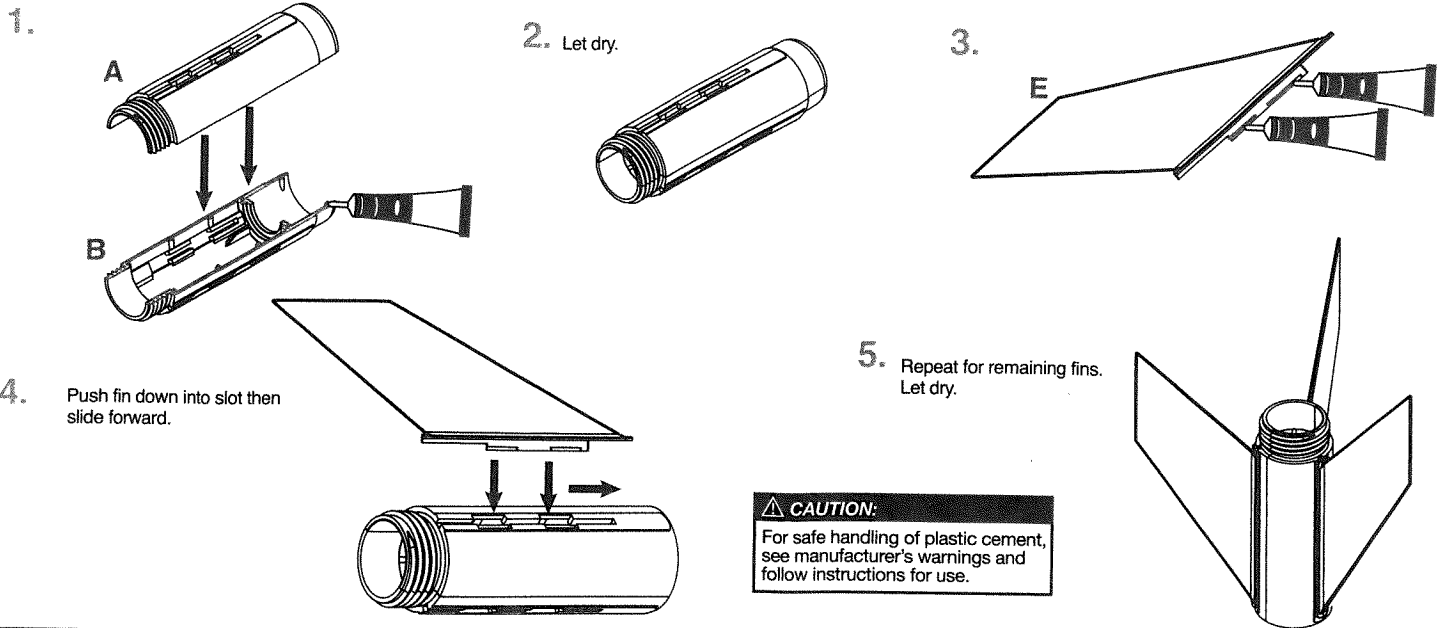


L 066459
Clear reinforcement decal

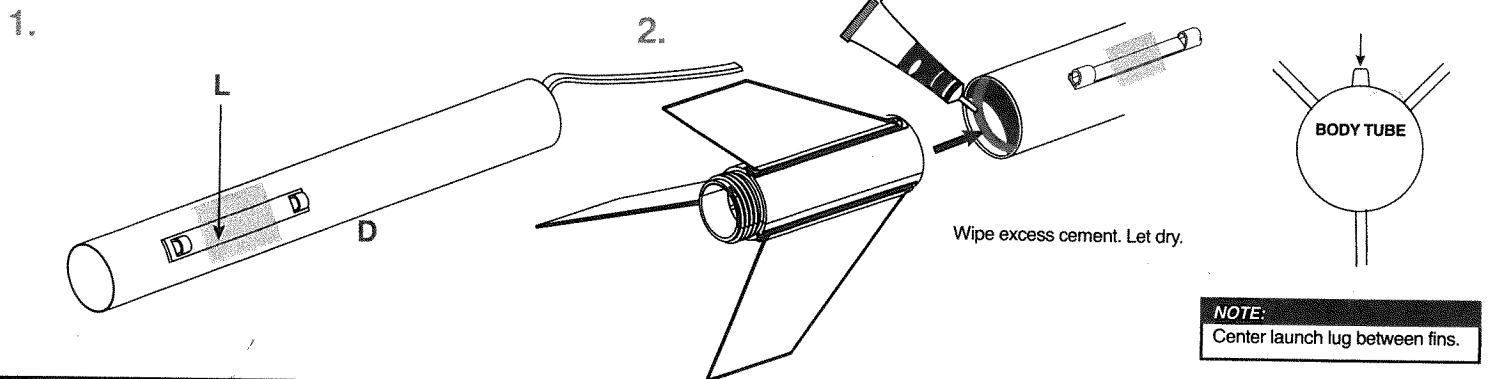
ASSEMBLE FIN CAN

NOTE:

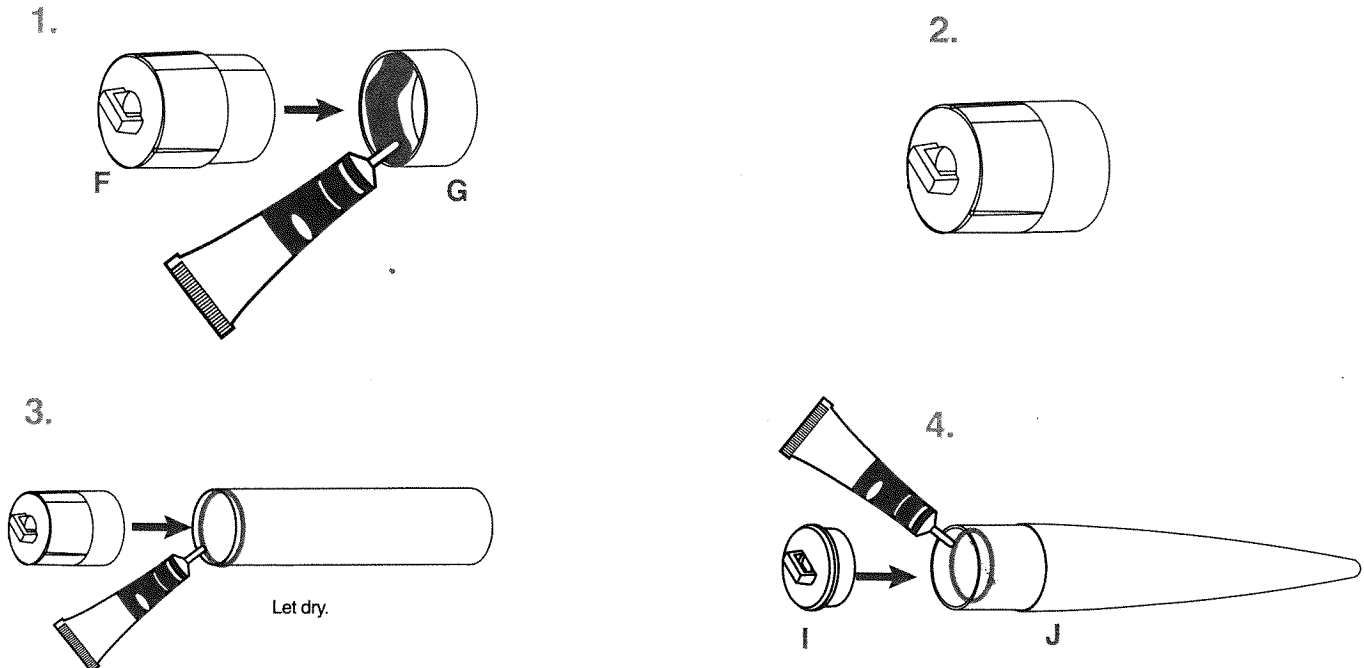
Assemble all parts together without gluing first.



ASSEMBLE BODY TUBE



ASSEMBLE PAYLOAD AND NOSE CONE

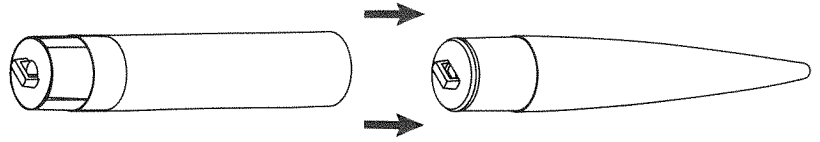


ASSEMBLE PAYLOAD AND NOSE CONE (CONT.)

5. Let dry.

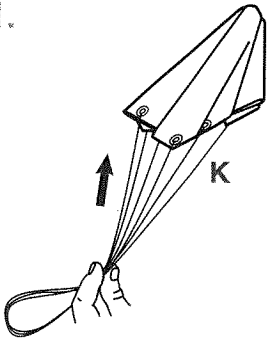


6.

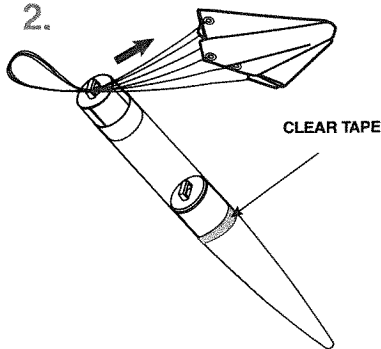


PREPARE RECOVERY SYSTEM

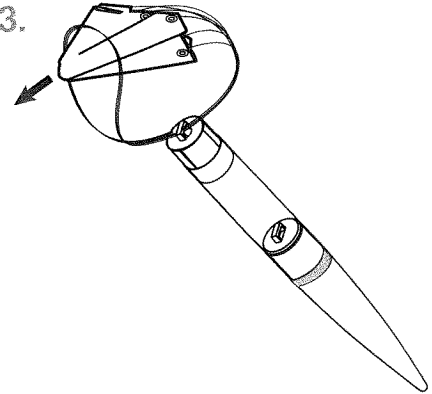
1.



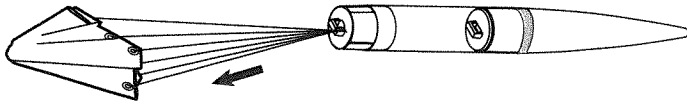
2.



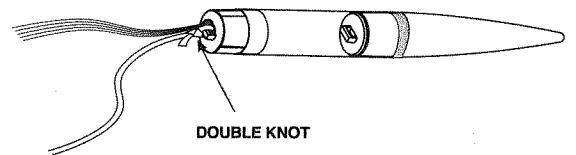
3.



4.

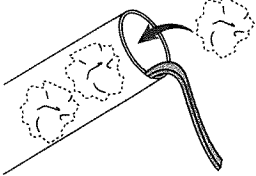


5.



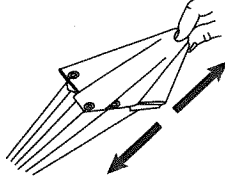
PREPARE FLIGHT RECOVERY

1.

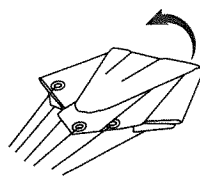


3-4 SQUARES
ESTES®
RECOVERY WADDING

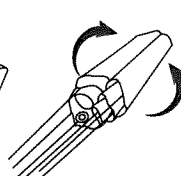
2.



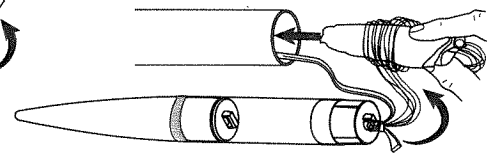
3.



4.



5. Wrap lines loosely.

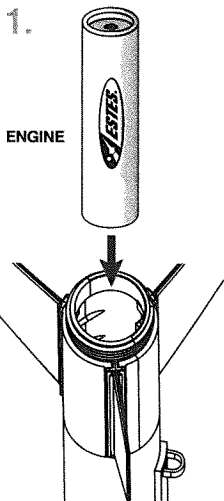


NOTE:

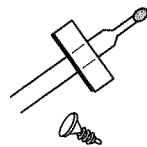
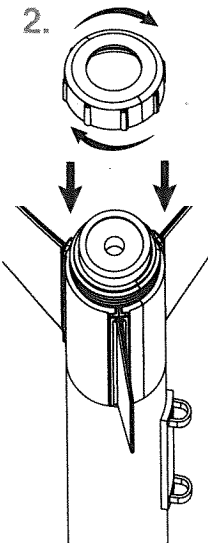
Recovery wadding and parachute must slide easily into body tube. If too tight, redo.

PREPARE ENGINE

1.

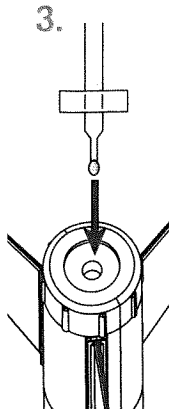


2.



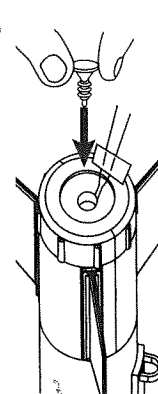
Use 1 each.

3.

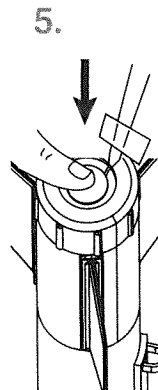


TIP MUST TOUCH
PROPELLANT!

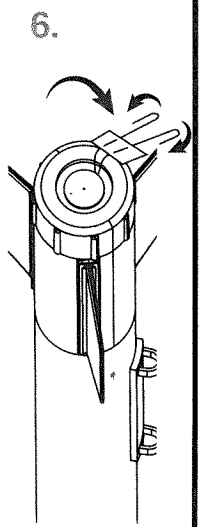
4.



5.



6.


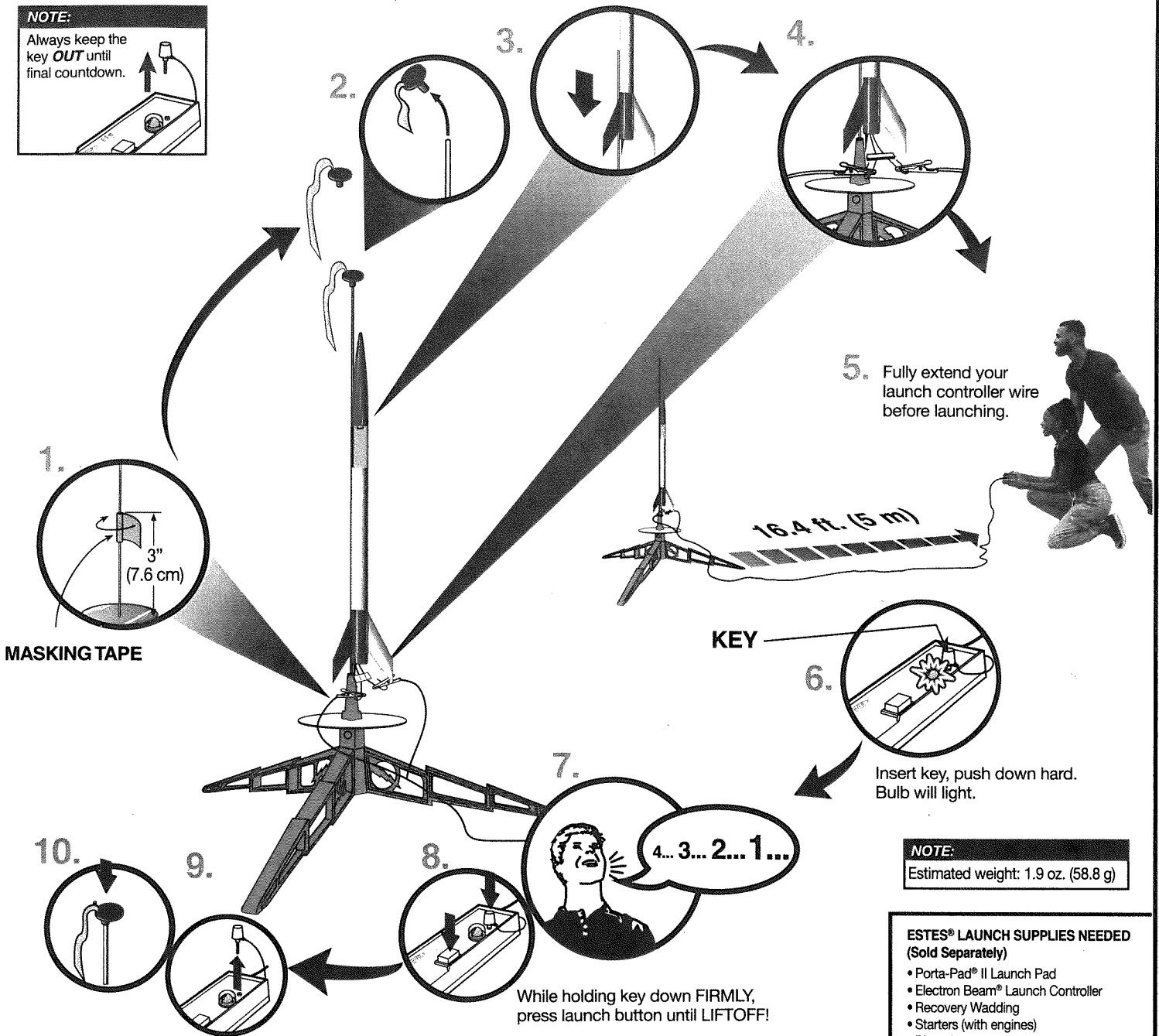


WARNING: FLAMMABLE

To avoid serious injury, read instructions & NAR Safety Code included with engines. **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 starter before storing your engine.

COUNTDOWN & LAUNCH

NOTE:
Always keep the key **OUT** until final countdown.

5. Fully extend your launch controller wire before launching.

16.4 ft. (5 m)

NOTE:
Estimated weight: 1.9 oz. (58.8 g)

- ESTES® LAUNCH SUPPLIES NEEDED (Sold Separately)**
- Porta-Pad® II Launch Pad
 - Electron Beam® Launch Controller
 - Recovery Wadding
 - Starters (with engines)
 - Plugs (with engines)
 - Estes® Engines: A8-3 (first flight), B6-4, C6-5

PRECAUTIONS



NAR SAFETY CODE



NO DRY GRASS OR WEEDS

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. Launch only with little or no wind and good visibility. Always follow the National Association of Rocketry (NAR) SAFETY CODE (enclosed).

MISFIRES TAKE THE KEY OUT OF THE CONTROLLER. WAIT ONE MINUTE BEFORE GOING NEAR THE ROCKET. Disconnect the micro-clips and remove the engine. Take the plug and starter out of the engine. A burned starter means the starter tip was not touching engine propellant. Install a new starter; be sure the tip is touching propellant inside the engine. Push the plug in place. Repeat steps under Countdown and Launch.

