



www.estesrockets.com

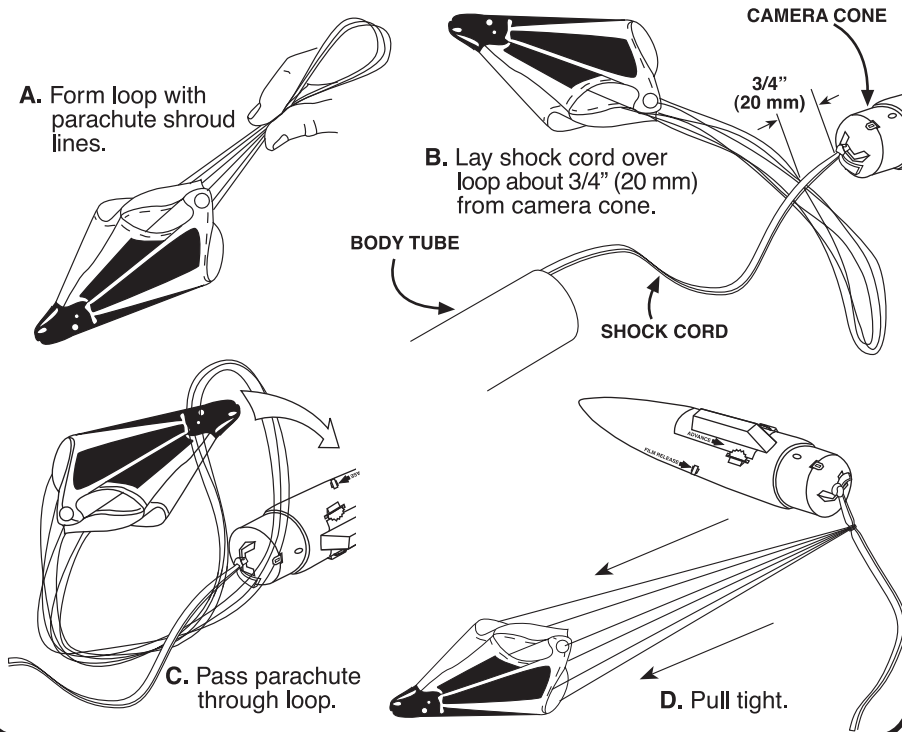
ESTES INDUSTRIES
1295 H STREET
PENROSE, CO 81240
Printed in China

SNAPSHOT™

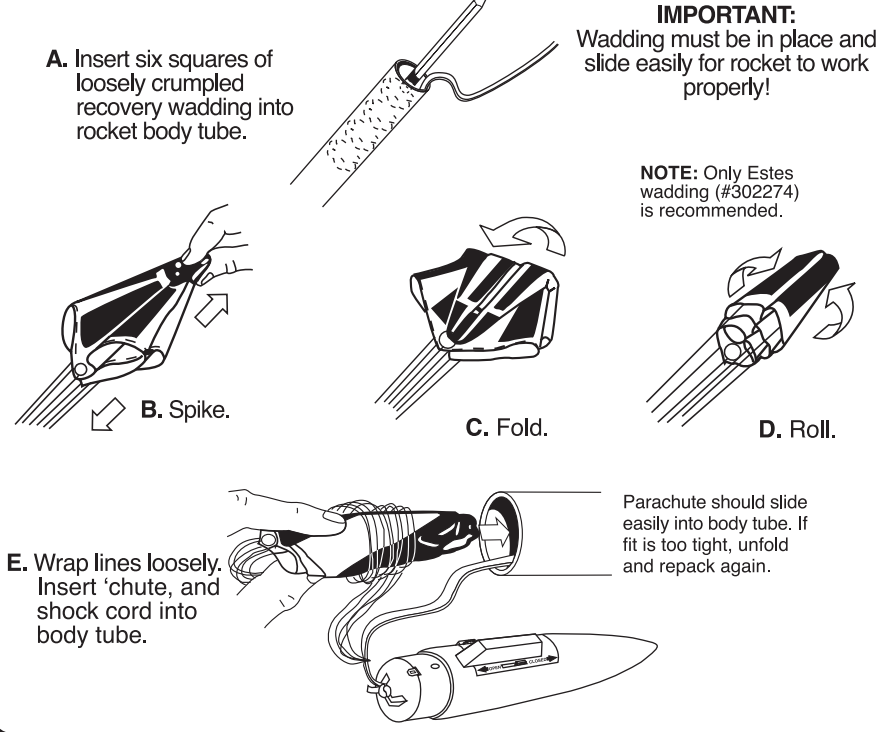
READY-TO-FLY MODEL ROCKET INSTRUCTIONS
KEEP FOR FUTURE REFERENCE.

#1848

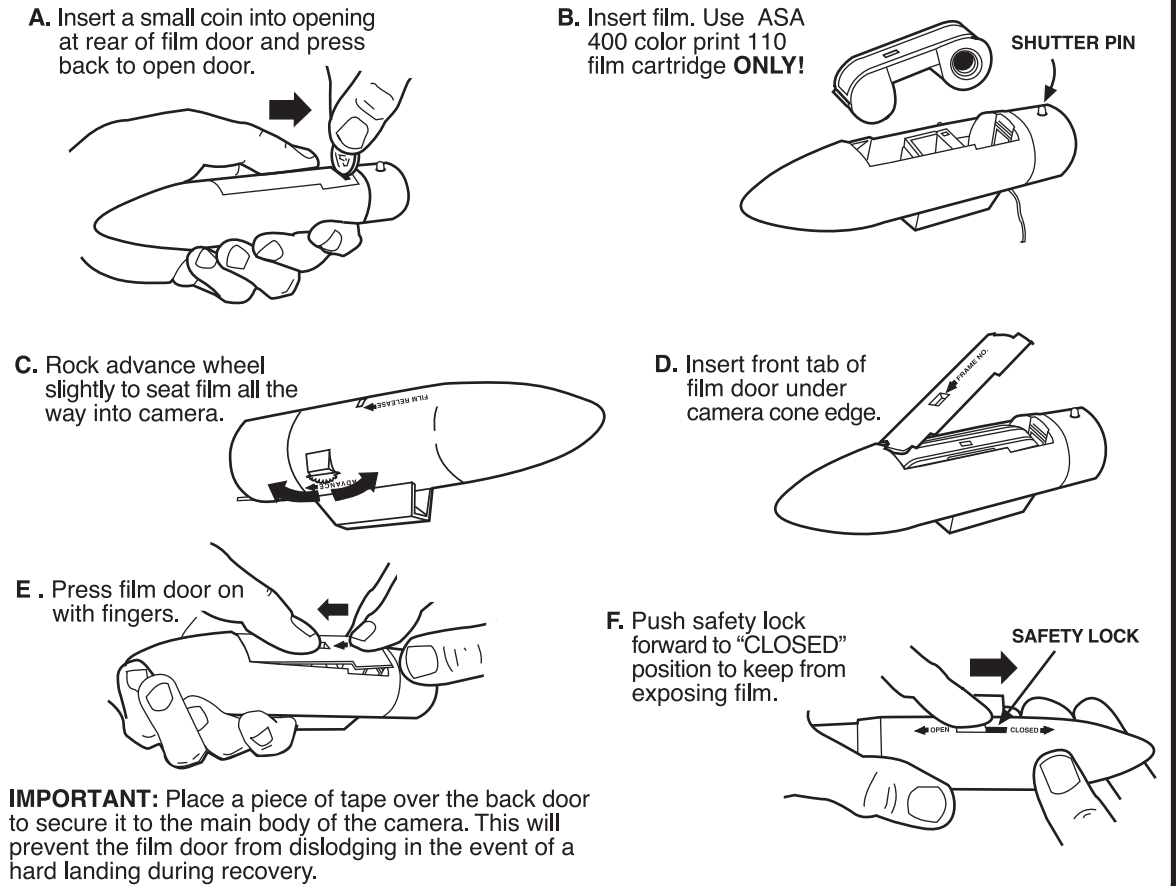
1. PARACHUTE ATTACHMENT



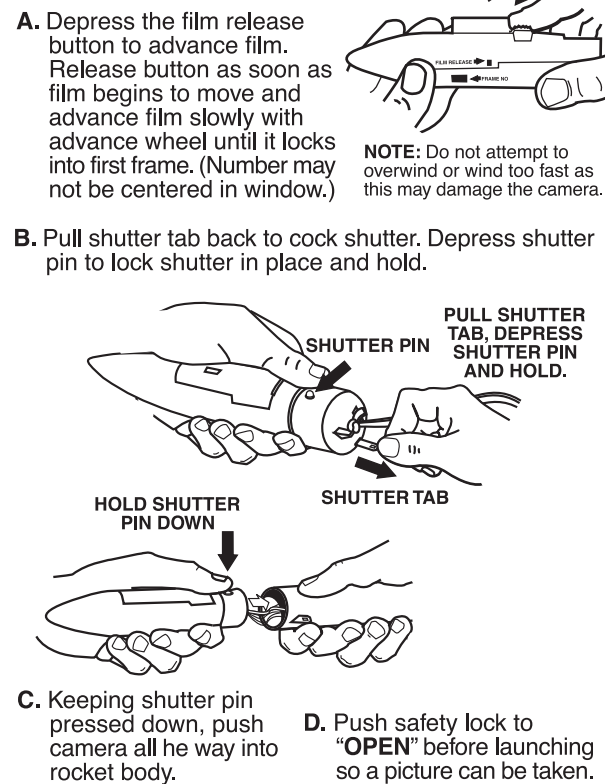
2. PREPARING PARACHUTE



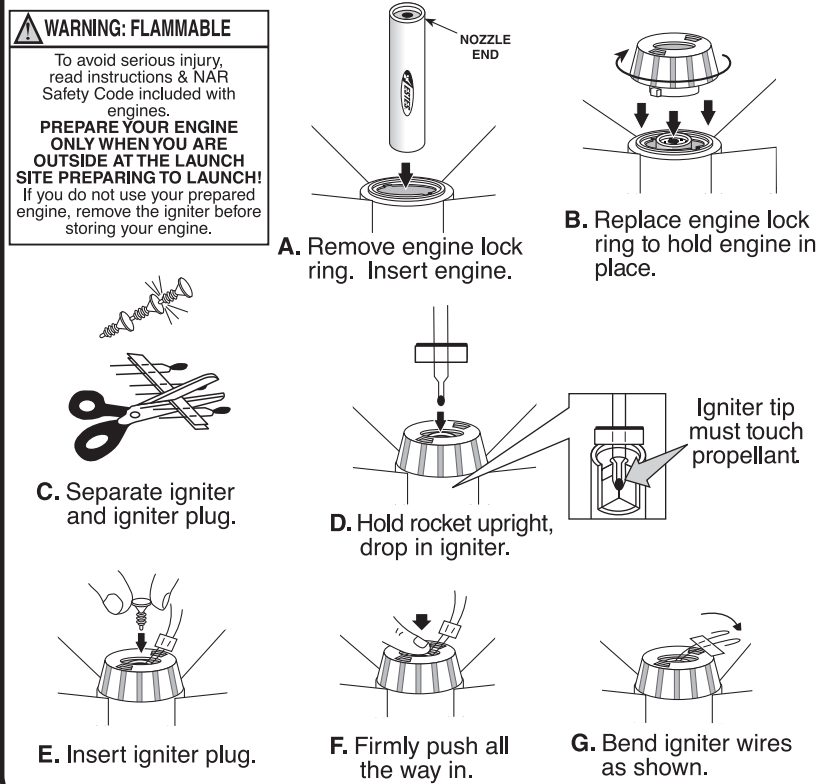
3. FILM INSTALLATION



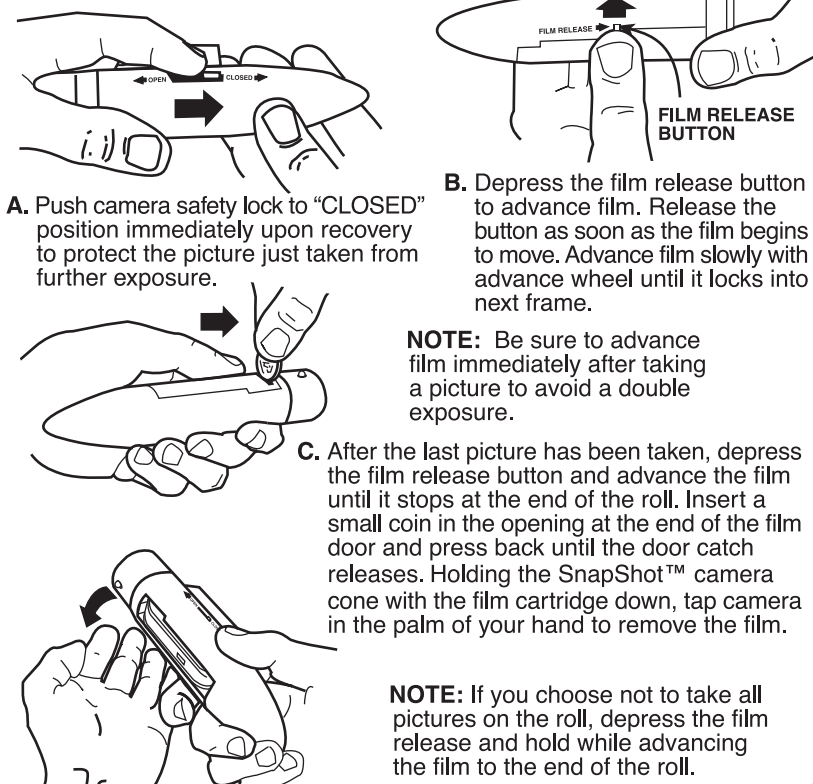
4. CAMERA OPERATION



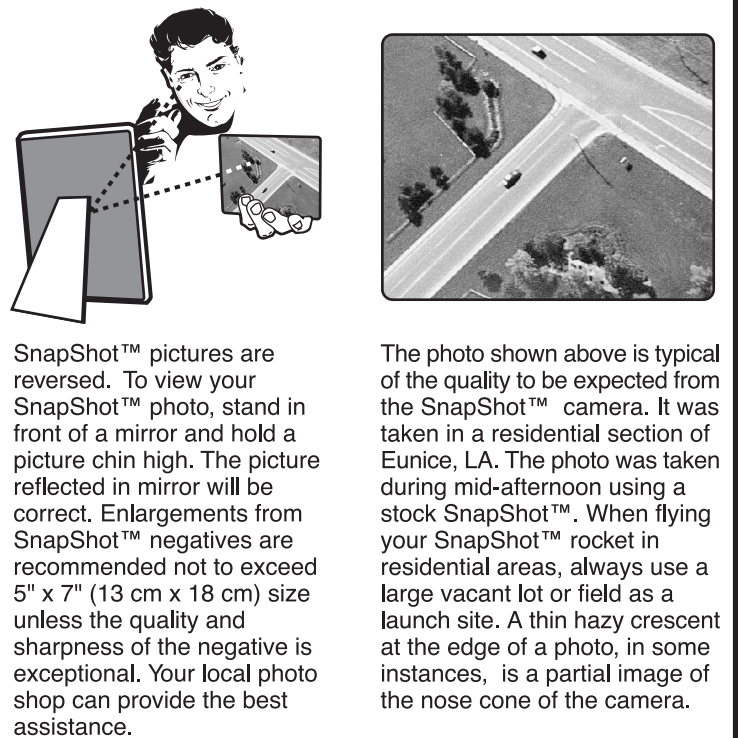
5. PREPARING ENGINE



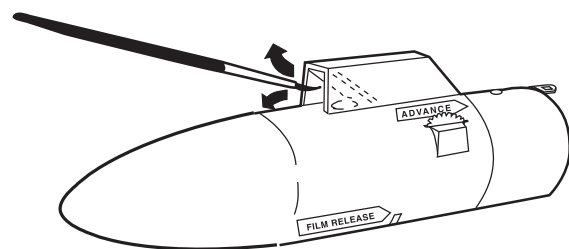
6. AFTER LAUNCH



7. FILM DEVELOPING



8. CAMERA MAINTENANCE



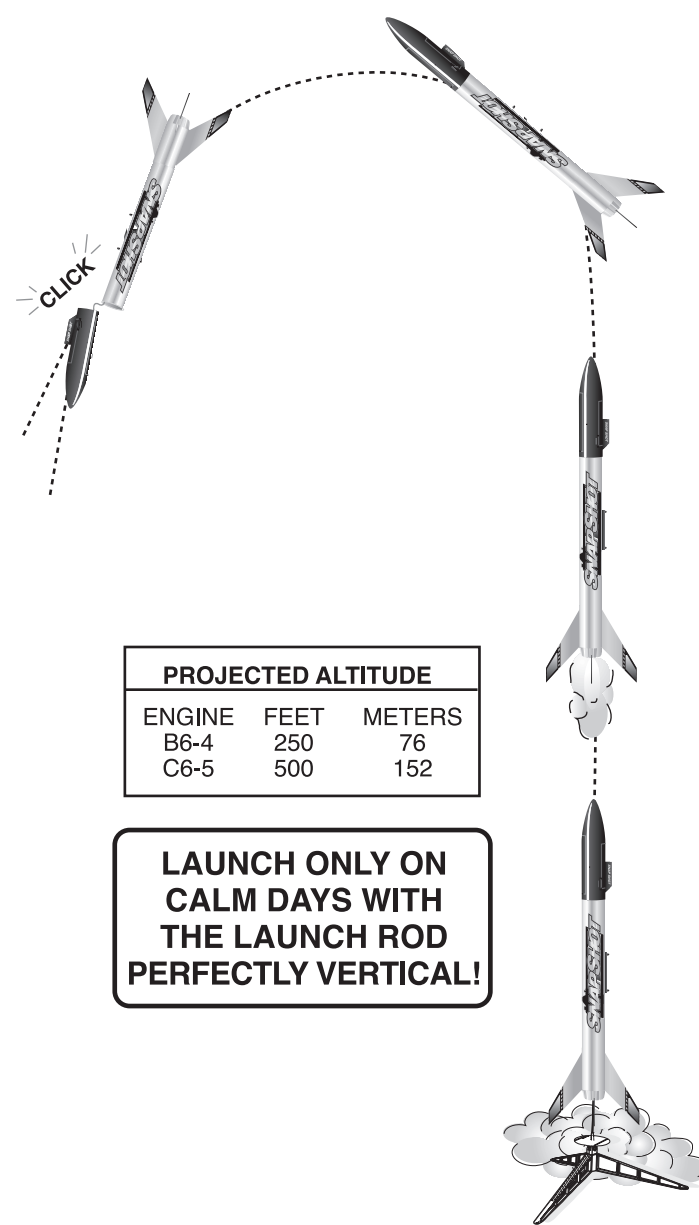
It is not recommended that the SnapShot™ rocket be flown in areas with loose and dry soil, yet the camera may land on this type of terrain. When this happens, dust may collect on the mirror and lens and must be carefully removed before the camera is flown again. To do this, use a new, clean, small camel hair brush. Never use a brush that has been used for any other purpose, as any contaminants left in the bristles may mar the mirror and lens. Insert the tip of the brush into the mirror and lens cavity and stroke outward several times with very light pressure. Never insert any object into this cavity other than the brush for any purpose. Examine the mirror and lens carefully when cleaning to be sure all contaminants are removed. Clean the remainder of the camera's exterior with a soft cloth. SnapShot™ replacement parts can be ordered from Estes.

9.

ABOUT FILM, FLIGHT AND FINISHED PHOTOS FROM YOUR SNAPSHOT™ ROCKET

Flying the SnapShot™ rocket is fun and the photographic results exciting. The subjects which can be photographed are endless - city streets, schools, rural farmlands, etc. To achieve good pictures flight after flight, follow these simple guidelines.

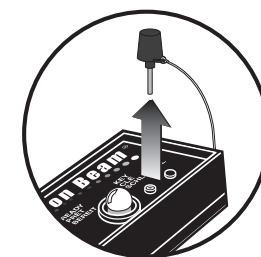
- Be patient! Wait for a calm, clear day and use only the recommended ASA 400 color film or equivalent.
- Note: Estes recommends using only Kodak® Gold 110 Color Film in the SnapShot™ camera.
- For greatest ground detail, launch from 9 a.m. to 11 a.m. in the morning or 1 p.m. to 3 p.m. in the afternoon. Flying earlier or later than this will affect the light level being reflected from the ground. This may cause some under exposure. Also, long shadows on the ground may hide some detail in the finished photograph.
- Late spring, summer and early fall are the best times during the year to fly the SnapShot™ rocket because of higher sun angles. Again, light reflected from the ground plays an important part in photo quality.
- Always prep the SnapShot™ rocket carefully for each flight. Remember, you cannot expose the film as long as the safety lock is in the closed position. If you are unsure about shutter setting, release it and set it again. If you are unsure about whether the number appearing in the window has been exposed, advance to the next frame.
- The **only** recommended engines for the SnapShot™ rocket are the B6-4 and C6-5. The SnapShot™ rocket has been designed so that the engine type used will regulate the angle of the camera at the time of exposure.
- For low altitude photos, use the B6-4 engine. For high altitude photos, use the C6-5 engine.
- For best photo results and maximum altitude, launch on calm or nearly calm days with LAUNCH ROD IN VERTICAL POSITION.
- Never move the safety lock to the open position until the rocket is on the launch pad and you are actually ready to launch.
- Always move the safety lock to its closed position and advance film immediately upon recovery.



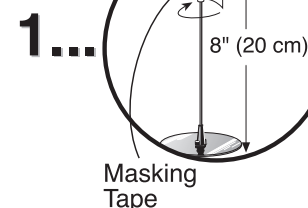
PROJECTED ALTITUDE		
ENGINE	FEET	METERS
B6-4	250	76
C6-5	500	152

LAUNCH ONLY ON CALM DAYS WITH THE LAUNCH ROD PERFECTLY VERTICAL!

COUNTDOWN AND LAUNCH



KEY ALWAYS OUT UNTIL FINAL COUNTDOWN!



1...

Masking Tape

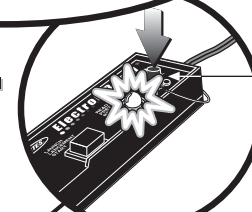


2...

3...



4...



INSERT KEY. PUSH DOWN FIRMLY AND HOLD.

5...

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

HOLD KEY DOWN AND PRESS LAUNCH BUTTON UNTIL LIFT-OFF!

LAUNCH BUTTON

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. 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 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.

LAUNCH SUPPLIES (Sold Separately)

- Recovery Wadding (included with some Estes engines)
- Igniters (with Engines)
- Igniter Plugs (with Engines)
- Recommended Estes® Engines: B6-4, C6-5