



www.estesrockets.com

ESTES INDUSTRIES  
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PRINTED IN CHINA

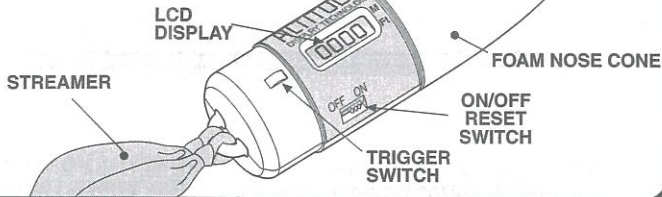
# INTERACTIVE ROCKETRY™ SET

FLYING MODEL ROCKET KIT INSTRUCTIONS  
KEEP FOR FUTURE REFERENCE.



#1849

Altitude readings are estimated based on time it takes capsule to descend. **NOT INTENDED FOR PRECISE MEASUREMENT.** May be used with any rocket having an Estes BT-56 body tube.



## SUPPLIES REQUIRED (Not Included)



SMALL PHILLIPS  
SCREWDRIVER

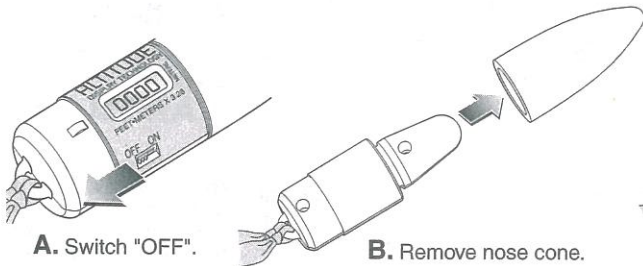


MASKING TAPE



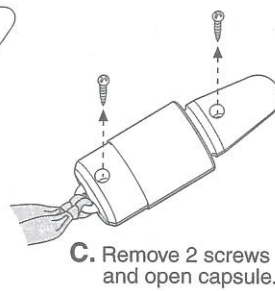
SMALL COIN

## 1. INSTALL THE BATTERY IN ALTITUDE CAPSULE

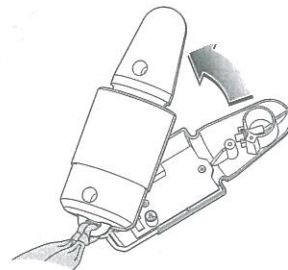


A. Switch "OFF".

B. Remove nose cone.

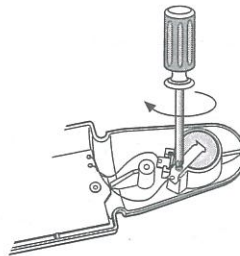


C. Remove 2 screws  
and open capsule.



D. Insert battery. Slide clip  
over center of battery.  
Tighten screw.

NOTE '+' POLARITY



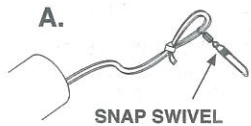
E. Close capsule.  
Replace screws  
and nose cone.

**BATTERY CAUTION:**

- Install batteries in the correct polarity.
- Use only type 76 battery.
- Do not use rechargeable batteries in capsule.
- Remove old or dead batteries from capsule.

NOTE: Do not alter length of streamer.

## 2. ATTACH PARACHUTE TO ROCKET

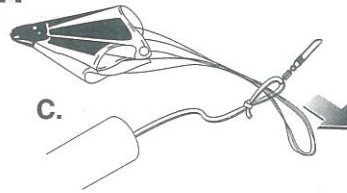


A.

SNAP SWIVEL

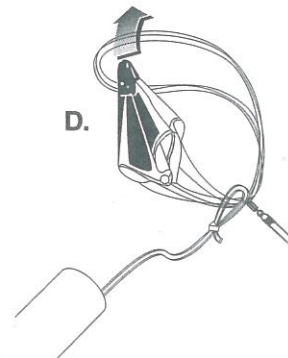


B.

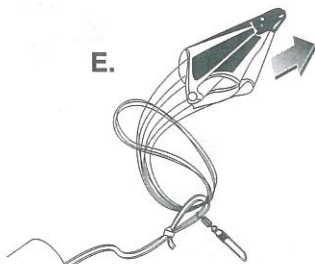


C.

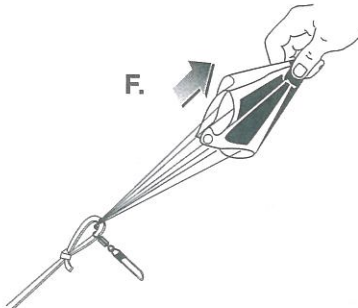
D.



E.

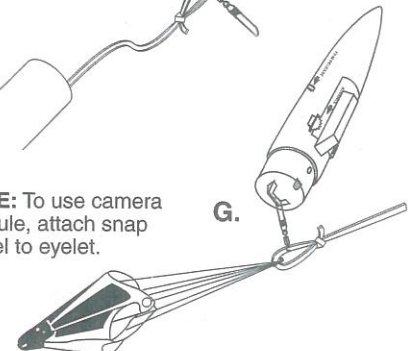


F.



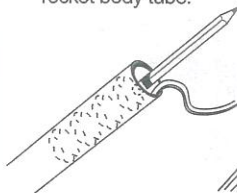
NOTE: To use camera capsule, attach snap swivel to eyelet.

G.



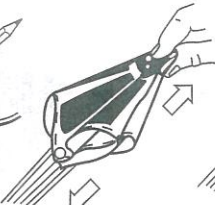
### 3. PREPARING RECOVERY SYSTEM

**A.** Insert 5-6 squares of loosely crumpled recovery wadding into rocket body tube.



**NOTE:** Only Estes wadding (302274) is recommended.

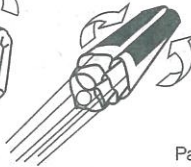
**B. Spike.**



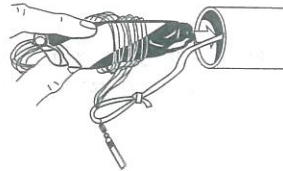
**C. Fold.**



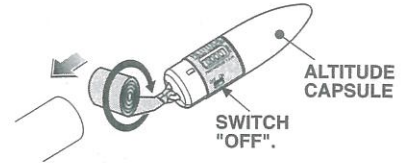
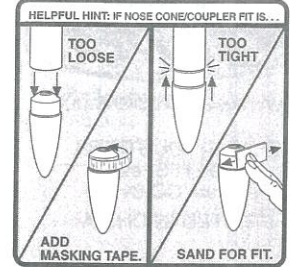
**D. Roll.**



**E.** Wrap lines loosely. Insert chute and shock cord into body tube and then either altitude or camera capsule.

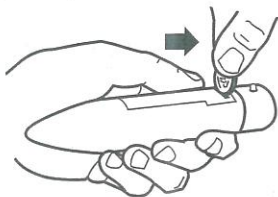


Parachute should slide easily into body tube. If fit is too tight, unfold and repack again.

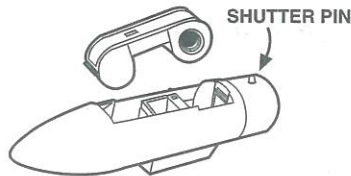


### 4. INSTALL FILM IN CAMERA CAPSULE

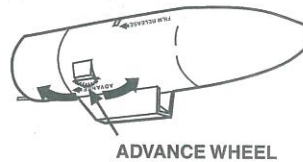
**A.** Insert a small coin into opening at rear of film door and press back to open door.



**B.** Insert film. Use ASA 400 color print 110 film cartridge **ONLY!**



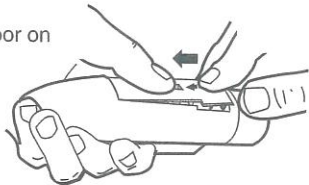
**C.** Rock advance wheel slightly to seat film all the way into camera.



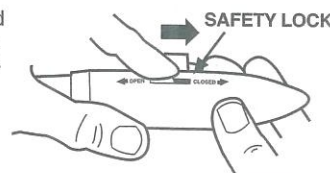
**D.** Insert front tab of film door under camera cone edge.



**E.** Press film door on with fingers.



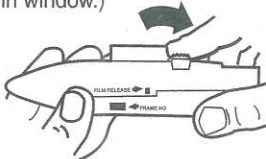
**F.** Push safety lock forward to "CLOSED" position to keep from exposing film.



**NOTE:** Wrap a piece of tape over the back door to secure it to the main body of the camera. This can prevent the film door from dislodging in the event of a hard landing.

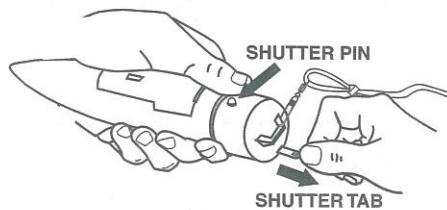
### 5. CAMERA OPERATION

**A.** Depress the film release button to advance film. Release button as soon as film begins to move. Advance film slowly with advance wheel until it locks into first frame. (Number may not be centered in window.)

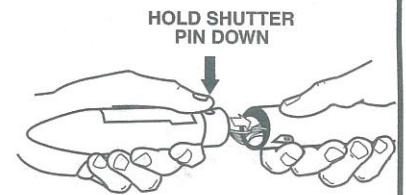


**NOTE:** Do not attempt to overwind or wind too fast as this may damage the camera.

**B.** Pull shutter tab back to cock shutter. Depress shutter pin to lock shutter in place and hold.

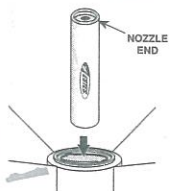


**C.** Keeping shutter pin pressed down, push camera all the way into rocket body.

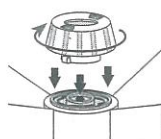


**D.** Push safety lock to "OPEN" before launching so a picture can be taken.

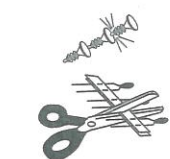
### 6. PREPARE ENGINE



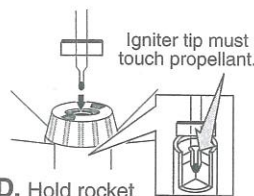
**A.** Remove engine lock ring. Insert engine.



**B.** Replace engine lock ring and turn to hold engine in place.



**C.** Separate igniter and igniter plug.



**D.** Hold rocket upright, drop in igniter.



**E.** Insert igniter plug.



**F.** Firmly push all the way in.



**G.** Bend igniter wires as shown.

**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 igniter before storing your engine.