

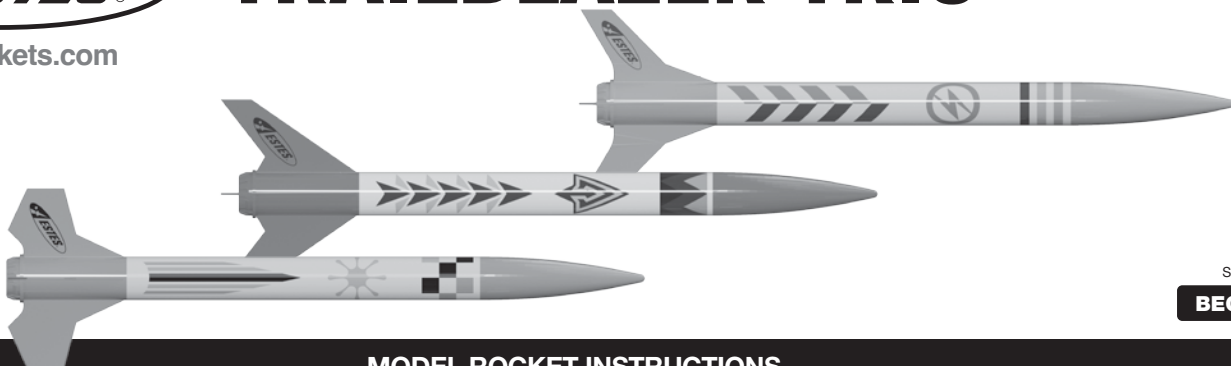


estesrockets.com

# TRAILBLAZER TRIO™

0654

AGES  
10+



Skill Level

**BEGINNER**

## MODEL ROCKET INSTRUCTIONS

### KEEP FOR FUTURE REFERENCE

**IMPORTANT:** Please record date found on decal and keep for future reference. \_\_\_\_\_



#### CAUTION:

May not apply to all kits. For safe handling of plastic cement, epoxy, spray adhesive, CA glue, CA accelerator, paint/finishing materials, see manufacturer's warnings and follow instructions for use. To avoid injury, use extreme caution when using hobby knife, scissors, drills, and any cutting tools.

#### SUPPLIES



SCISSORS

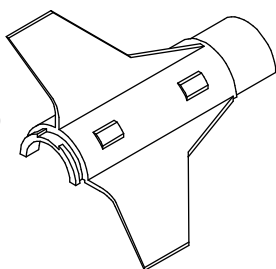


YELLOW GLUE



PLASTIC CEMENT

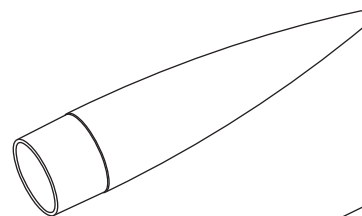
Plastic fin unit A  
**x3**



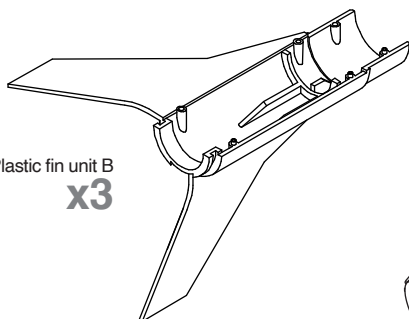
072603  
Nose cone insert  
**x3**



Nose cone **x3**



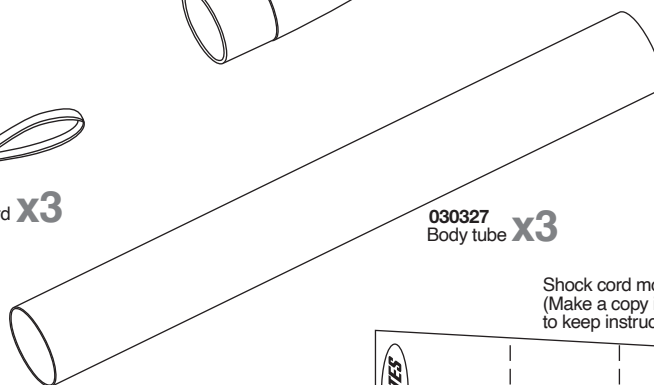
Plastic fin unit B  
**x3**



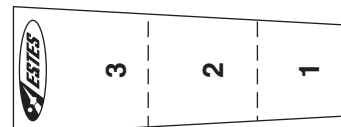
038366  
Shock cord **x3**



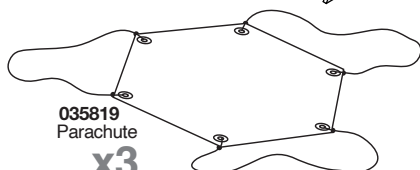
030327  
Body tube **x3**



Shock cord mounts  
(Make a copy if you want  
to keep instructions.)



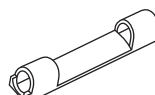
035819  
Parachute  
**x3**



Engine cap **x3**



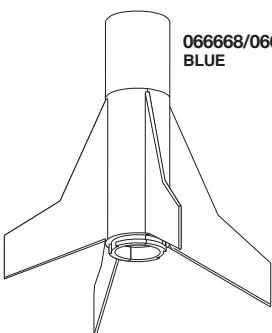
Launch lug **x3**



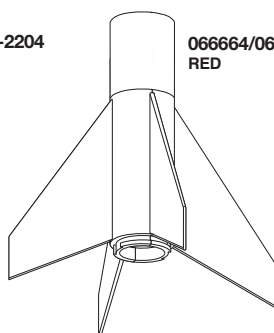
#### NOTE:

Do not mix fin shapes or colors.

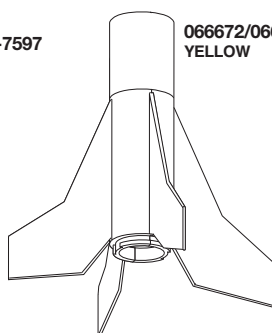
066668/066669-2204  
BLUE



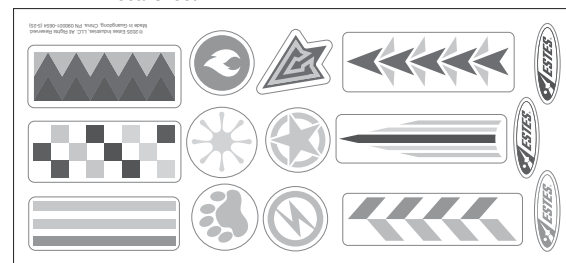
066664/066665-7597  
RED



066672/066673-124  
YELLOW



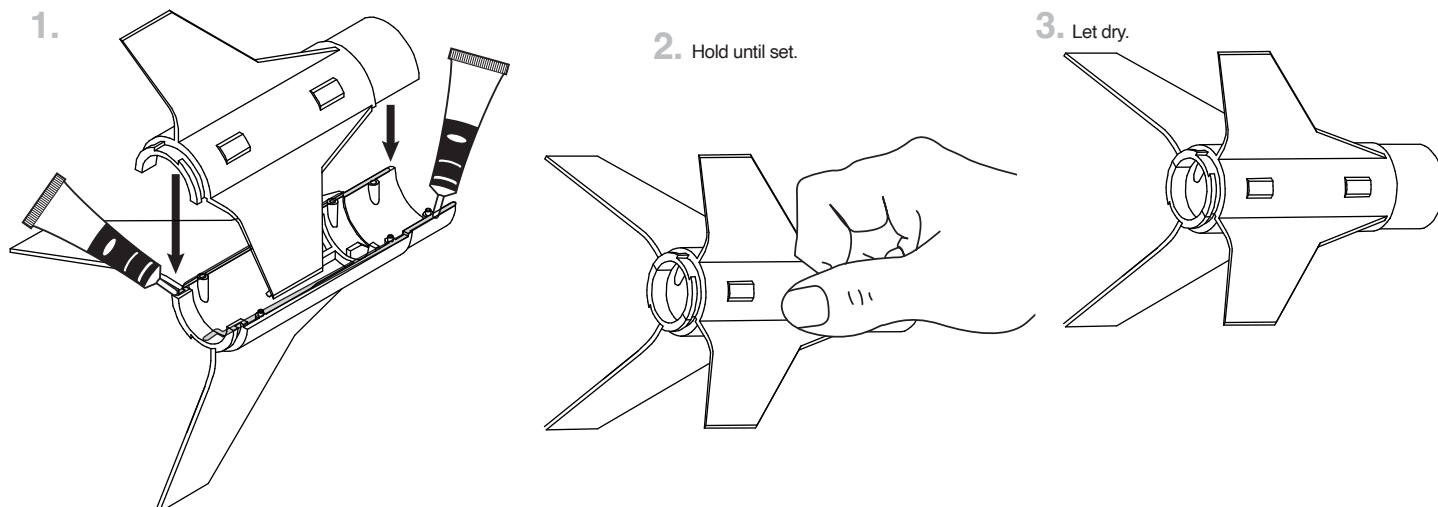
090001-0654  
Decal sheet



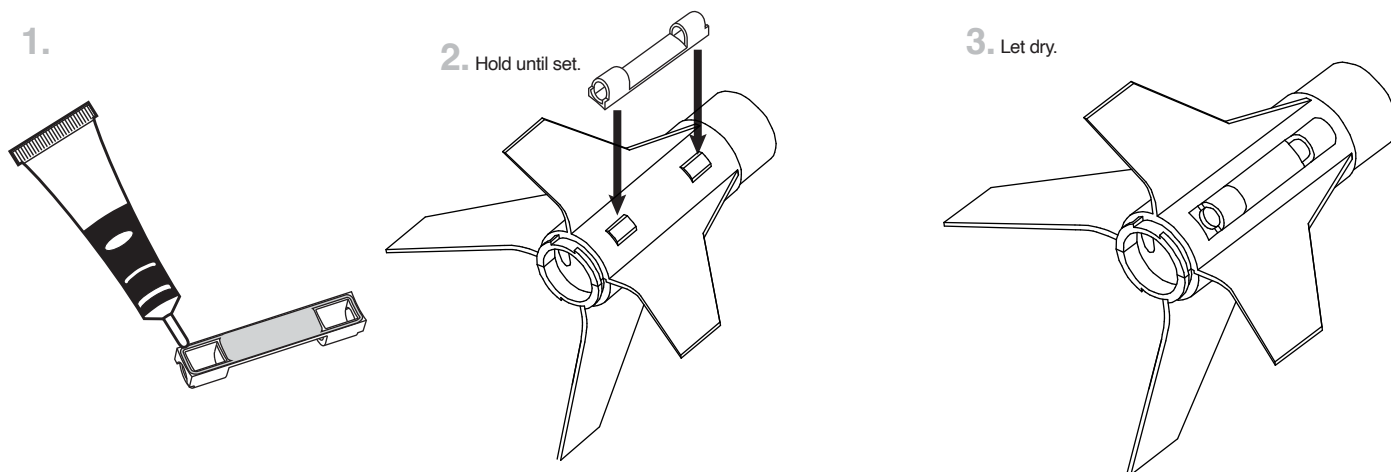
## ASSEMBLE FIN MOUNT

### NOTE:

Assembly stays the same regardless of fin shape.



## ATTACH LAUNCH LUG

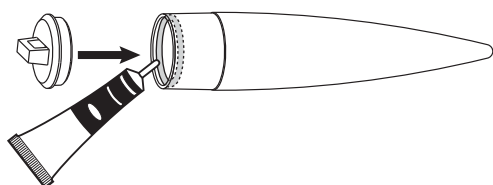


## ATTACH BODY TUBE



## ASSEMBLE NOSE CONE

1. Apply plastic glue to inside of nose cone.

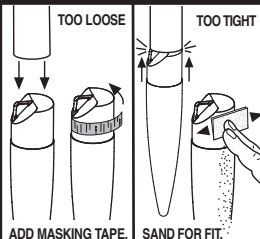


2.

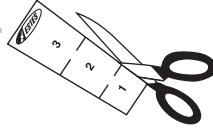
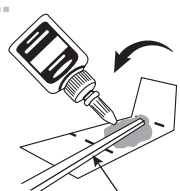
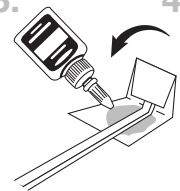

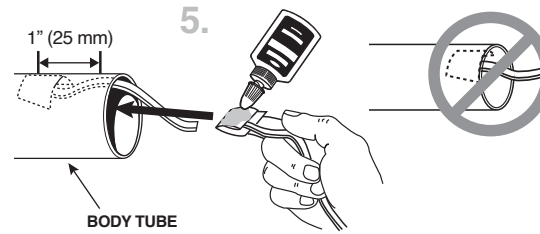


Let dry.

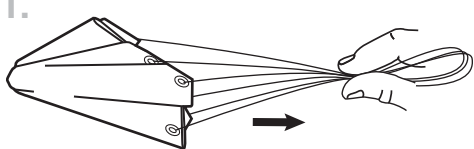

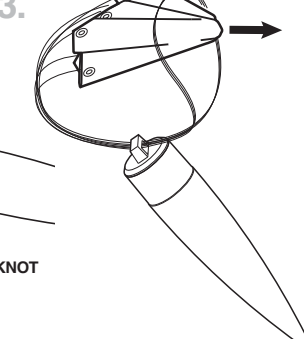
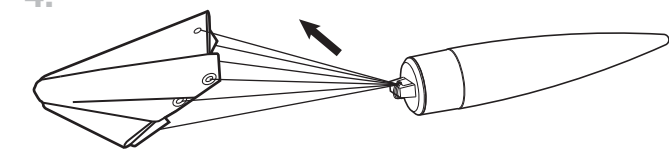

### IF NOSE CONE FIT IS...



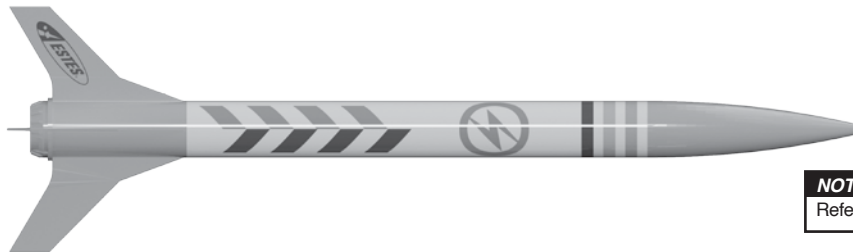
## INSTALL SHOCK CORD

1. 
2.  SHOCK CORD
3. 
4.  Hold until set.
5.  1" (25 mm)  
BODY TUBE

## PREPARE RECOVERY SYSTEM

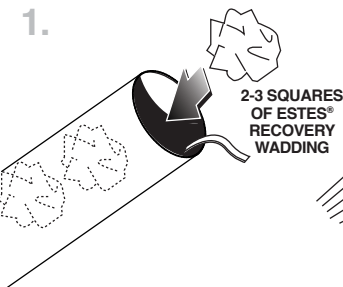
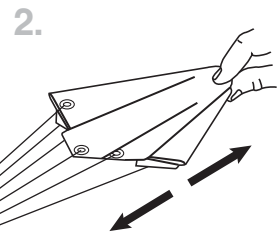
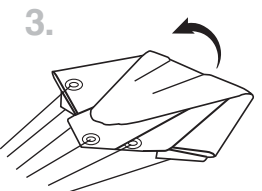
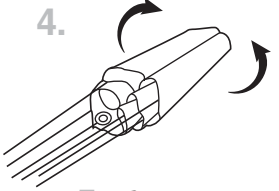
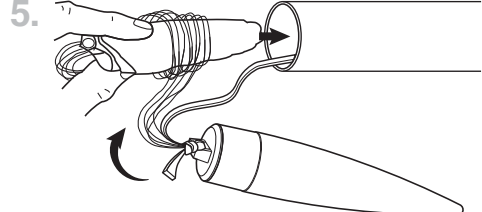
1. 
2.  SHOCK CORD
3.  DOUBLE KNOT
4. 
5. 

## APPLY DECALS



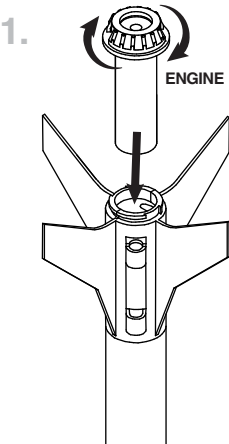
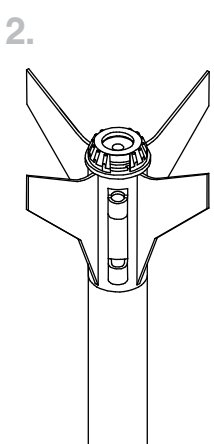
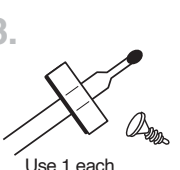
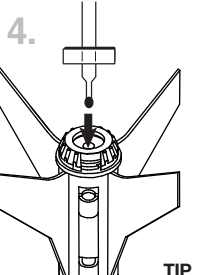
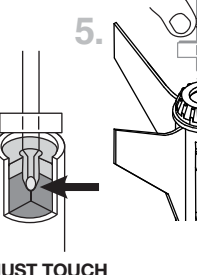
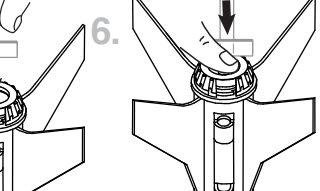
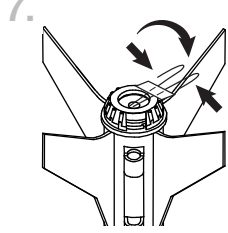
**NOTE:**  
Refer to packaging for suggested decal placement.

## PREPARE FLIGHT RECOVERY

1.  2-3 SQUARES OF ESTES® RECOVERY WADDING
2. 
3. 
4. 
5. 

**NOTE:**  
Recovery wadding and streamer must slide easily into body tube. If too tight, redo.

## PREPARE ENGINE

1.  ENGINE
2. 
3.  Use 1 each.
4.  TIP MUST TOUCH PROPELLANT
5. 
6. 
7. 

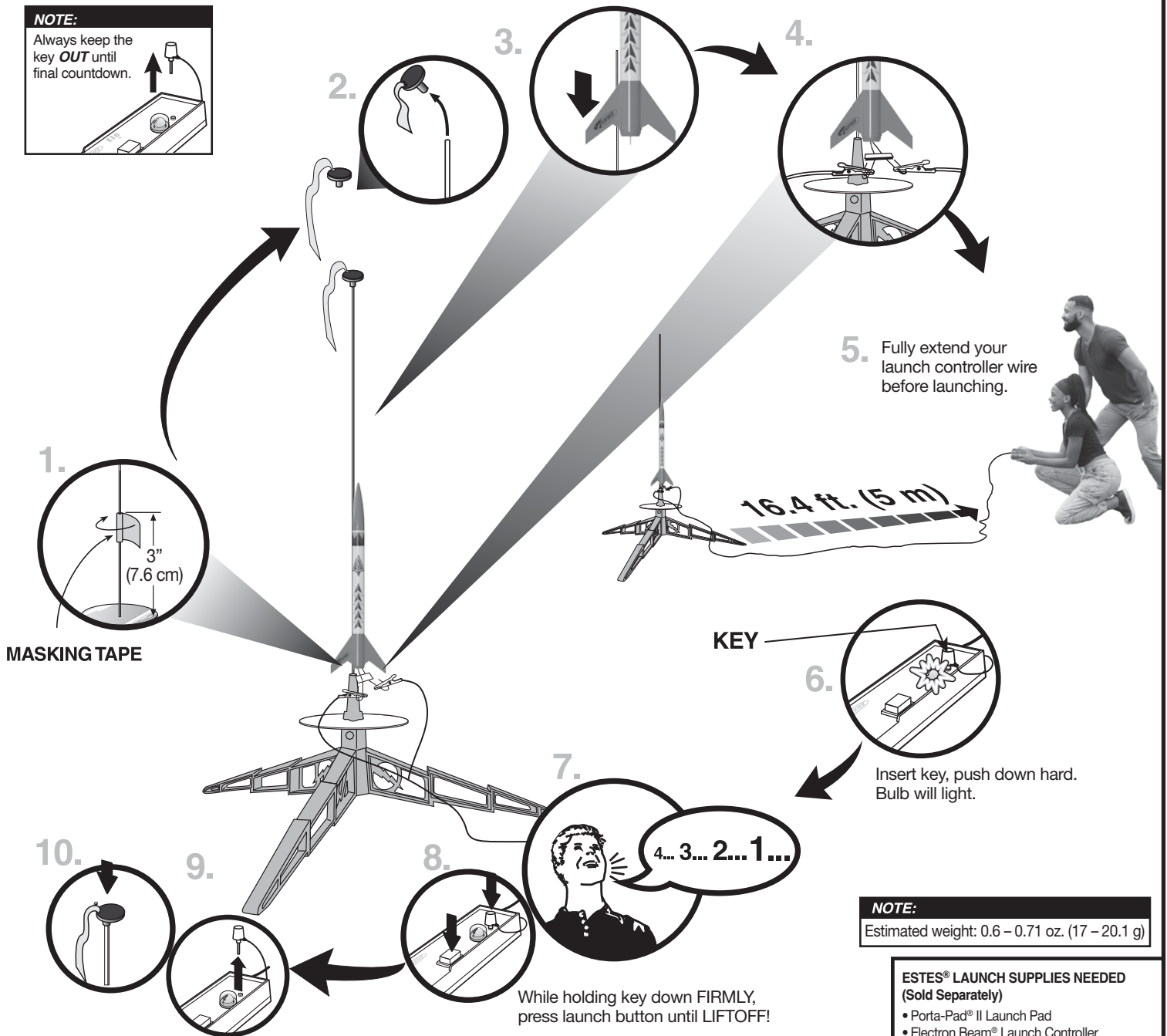
### ⚠ WARNING: FLAMMABLE

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 AND LAUNCH

### NOTE:

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



### 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: 1/2A3-4T, A3-4T, A10-3T

## 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.