



EstesRockets.com

# BLUE ORIGIN NEW GLENN

9003

AGES  
10+



Skill Level

**BEGINNER**

1:200 Scale

## MODEL ROCKET INSTRUCTIONS

### KEEP FOR FUTURE REFERENCE

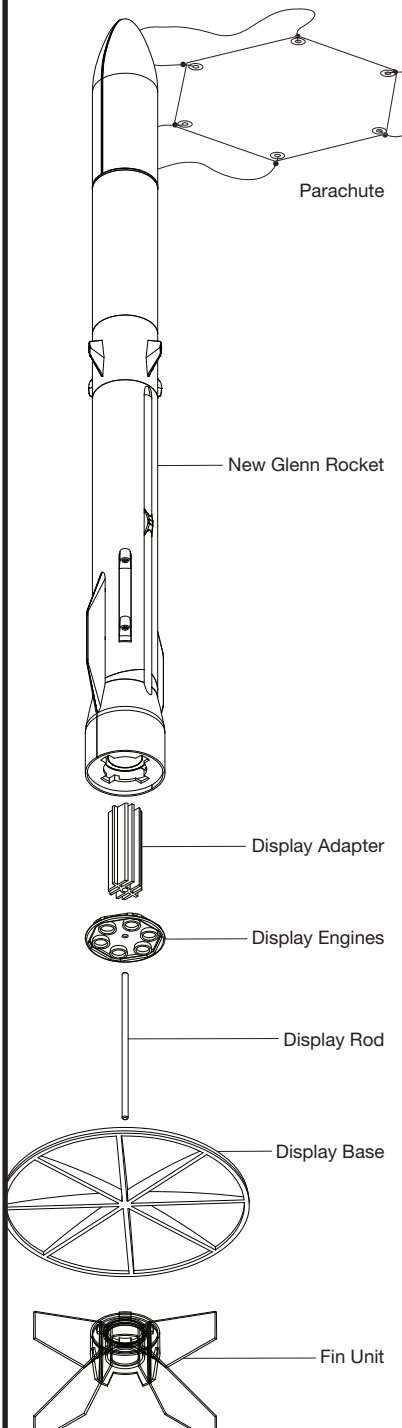
**IMPORTANT:** Please record date found on decal and keep for future reference. \_\_\_\_\_

### CAUTION:

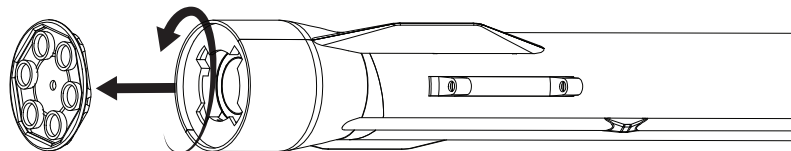
May not apply to all kits. For safe handling of plastic cement, epoxy, spray adhesive, CA glue, CA accelerator, paint/finishing materials, see manufacturer's warnings and follow instructions for use. To avoid injury, use extreme caution when using hobby knife, scissors, drills, and any cutting tools.

### PARTS

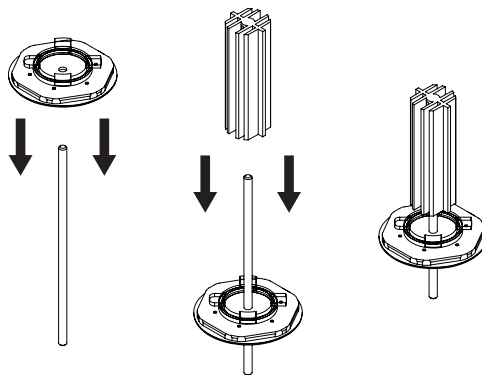
### DISPLAY SETUP



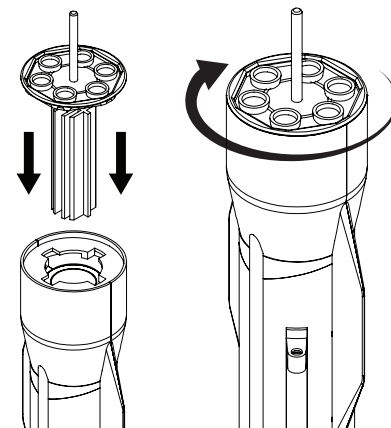
1. Remove display engines.



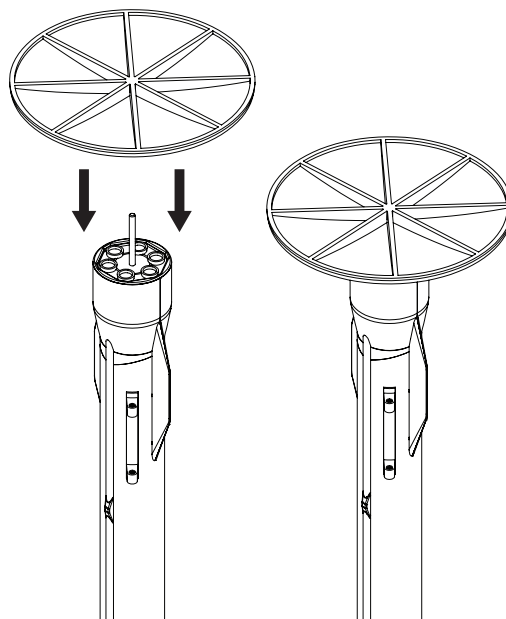
2. Push display engines onto display rod. Then push display adapter onto display rod.



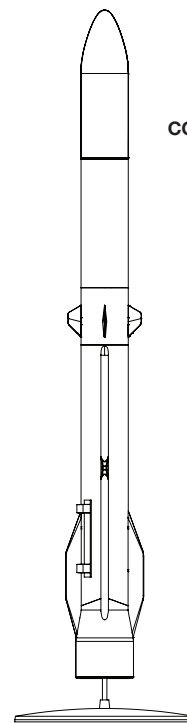
3. Slide adapter assembly into engine mount and rotate into "locked" position.



4. Slide display base onto display rod.

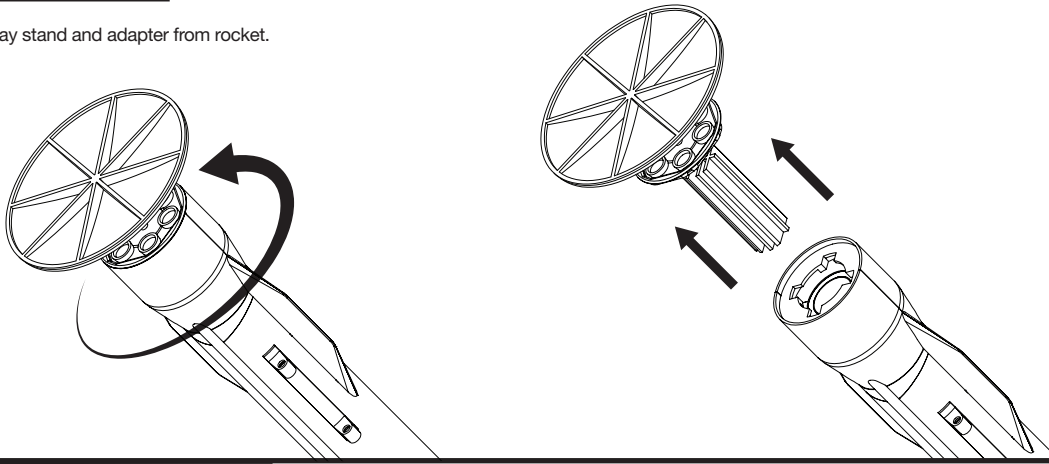


COMPLETED  
DISPLAY



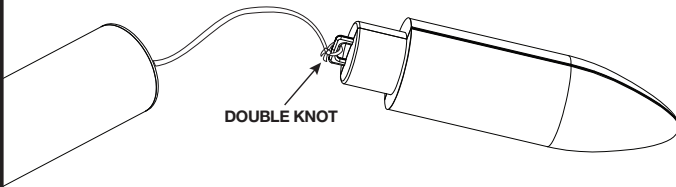
## FLIGHT PREPARATION

1. Remove display stand and adapter from rocket.

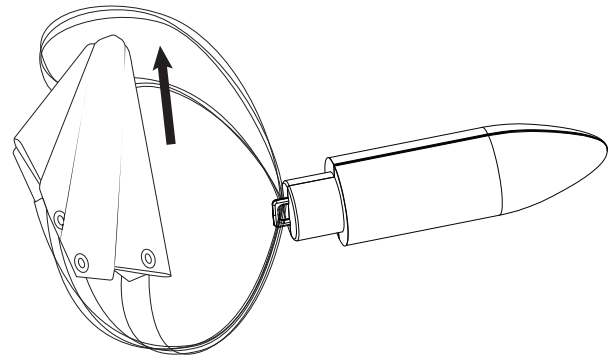


## PREPARE RECOVERY SYSTEM

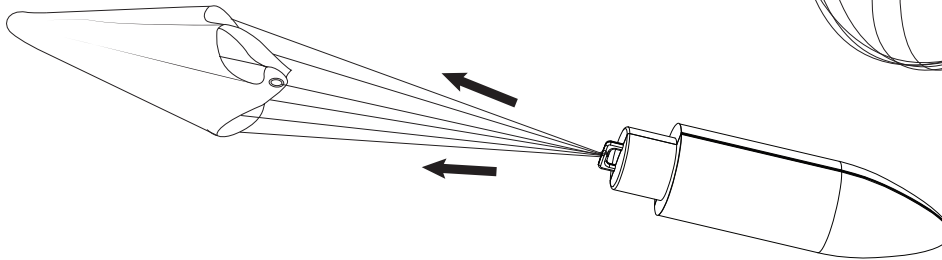
1. Tie shock cord to nose cone.



2. Tie parachute to nose cone as shown.

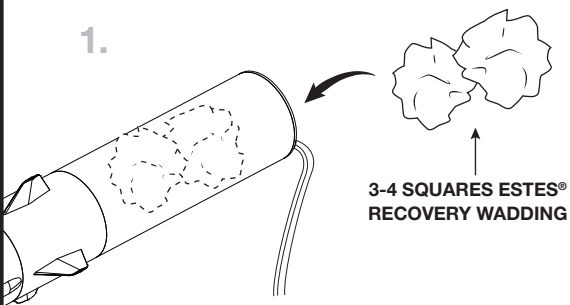


3. Pull parachute strings tight.

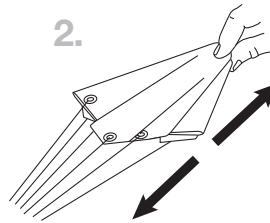


## PREPARE FLIGHT RECOVERY

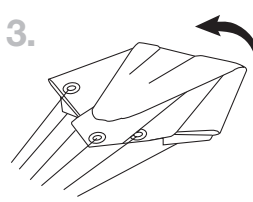
1.



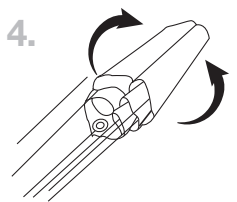
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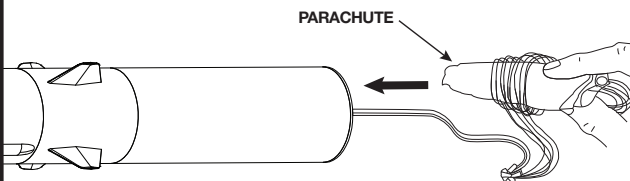
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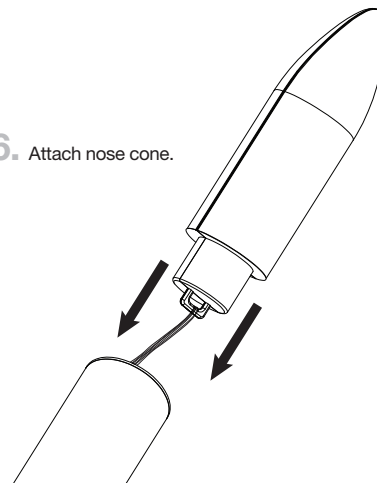
4.



5. Wrap shroud lines loosely around parachute and insert into body tube.



6. Attach nose cone.

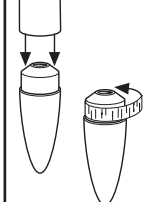


### NOTE:

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

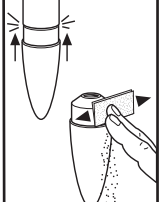
### IF NOSE CONE FIT IS...

TOO LOOSE:



ADD MASKING TAPE.

TOO TIGHT:

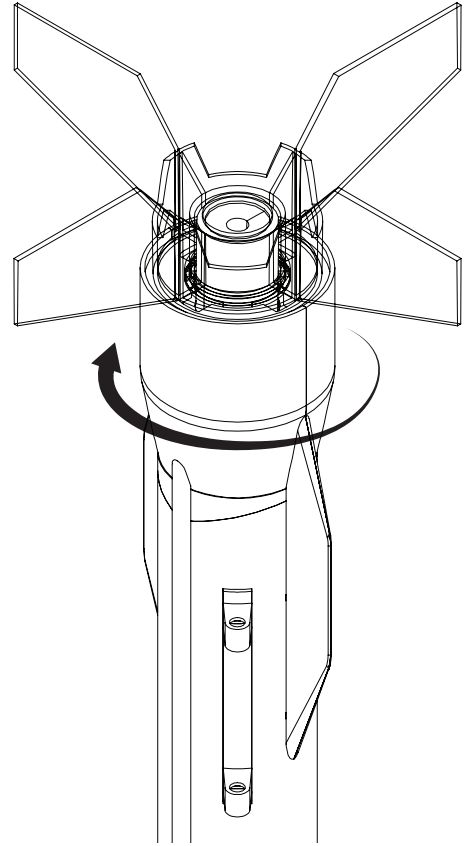
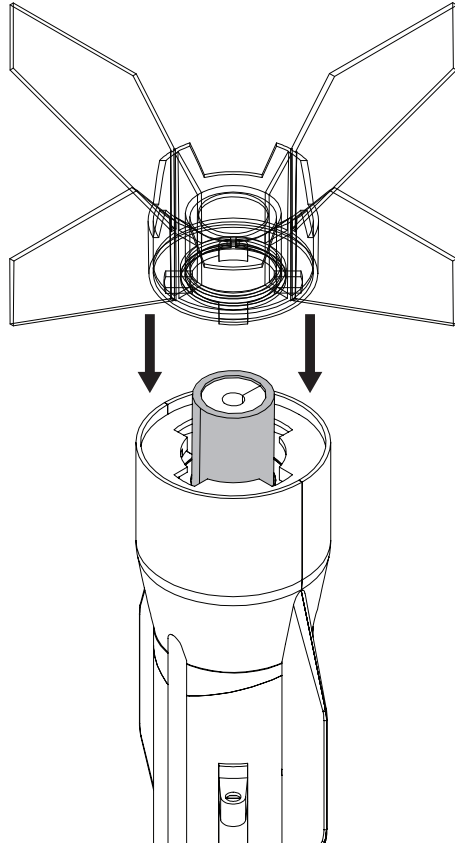
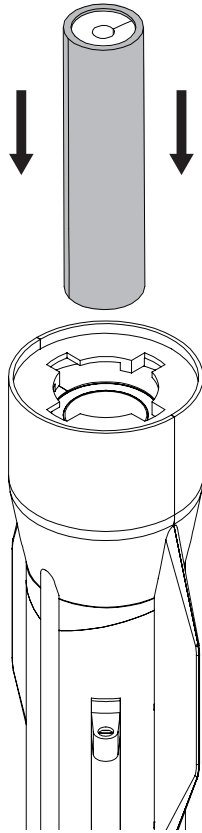


SAND FOR FIT.

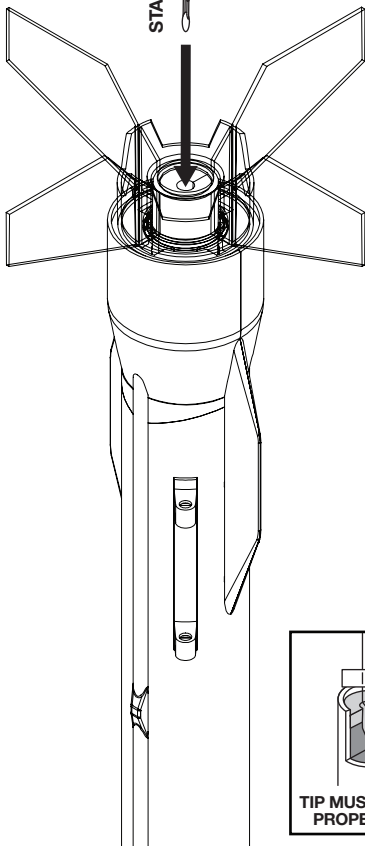
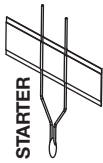
# PREPARE ENGINE

1. Slide engine into engine mount.

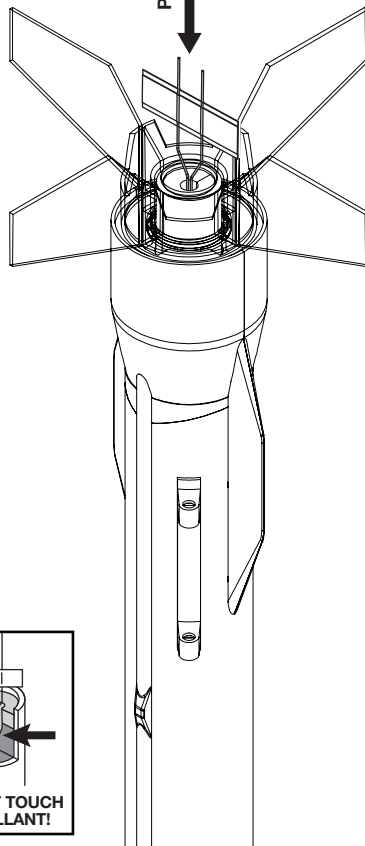
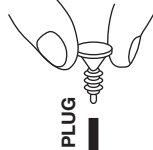
2. Slide fin unit onto engine and into rear of model rocket. Turn clockwise to secure.



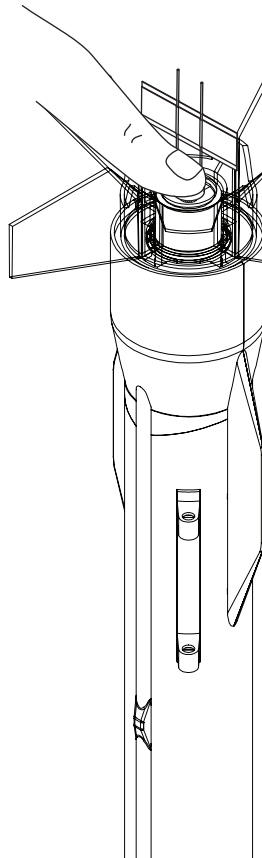
2.



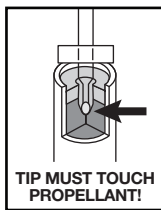
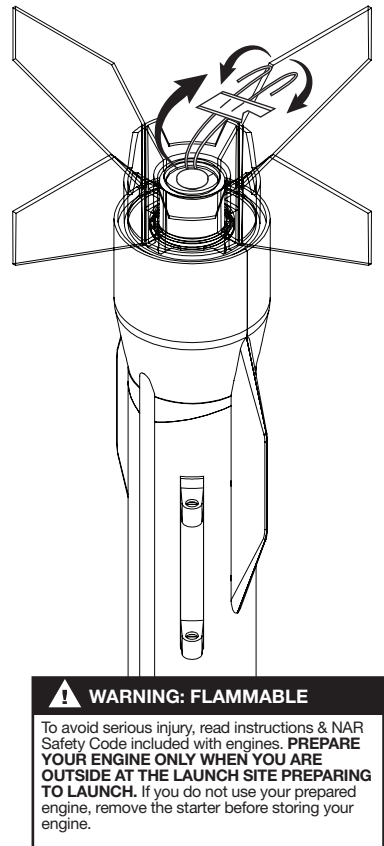
3.



4.



5.



TIP MUST TOUCH PROPELLANT!

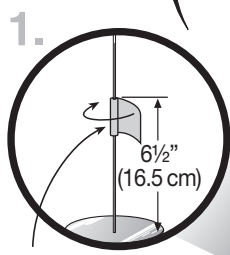
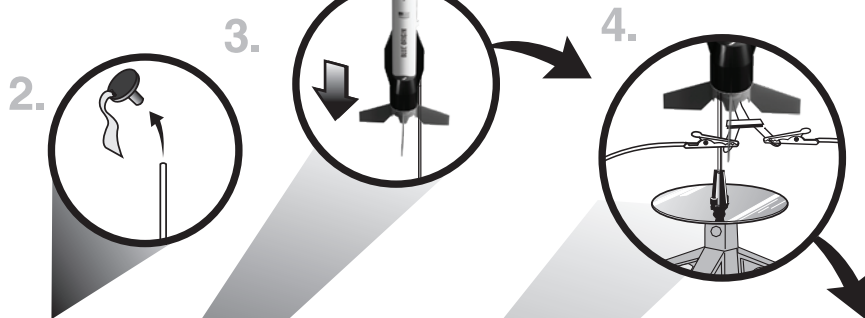
**⚠ WARNING: FLAMMABLE**

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.

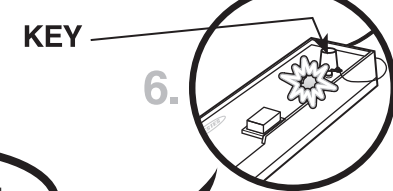
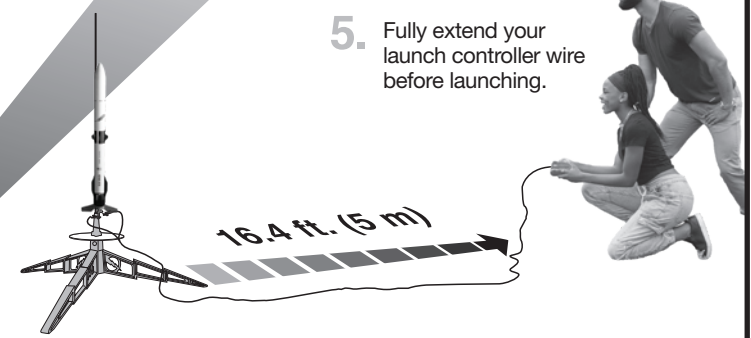


**MASKING TAPE**

**NOTE:**

It is important that enough tape is wrapped around launch rod so launch lug does not go over tape.

5. Fully extend your launch controller wire before launching.



Insert key, push down hard. Bulb will light.

**NOTE:**  
Estimated weight: 3.5 oz. (99 g)

- ESTES® LAUNCH SUPPLIES NEEDED (Sold Separately)**
- Porta-Pad® II Launch Pad
  - Electron Beam® Launch Controller
  - Recovery Wadding
  - Starters (with engines)
  - Plugs (with engines)
  - Recommended Estes® Engines: B4-2, B6-2, C5-3, C6-3

While holding key down **FIRMLY**, press launch button until **LIFTOFF!**

**PRECAUTIONS**



**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.