ESTES

EstesRockets.com

BLUE ORIGIN
NEW GLENN

9003



AGES 10+

Skill Level
BEGINNER

1:200 Scale

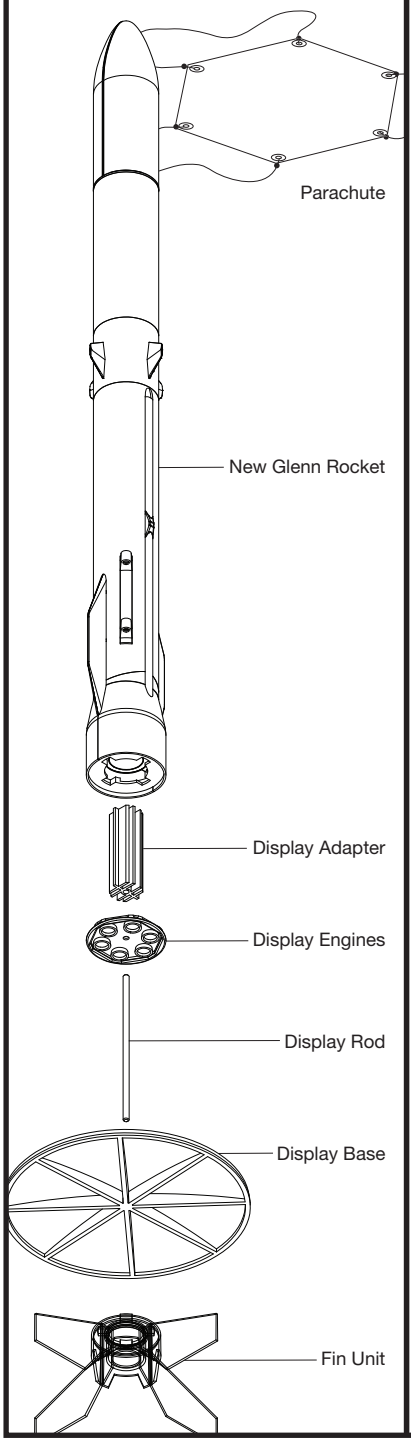
MODEL ROCKET INSTRUCTIONS

KEEP FOR FUTURE REFERENCE

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

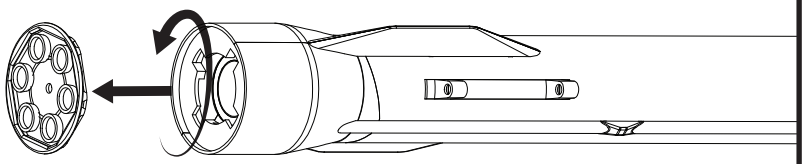
CAUTION: *May not apply to all kits. For safe handling of plastic cement, epoxy, spray adhesive, CA glue, CA accelerator, paint/finishing materials, see manufacturer's warnings and follow instructions for use. To avoid injury, use extreme caution when using hobby knife, scissors, drills, and any cutting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

PARTS

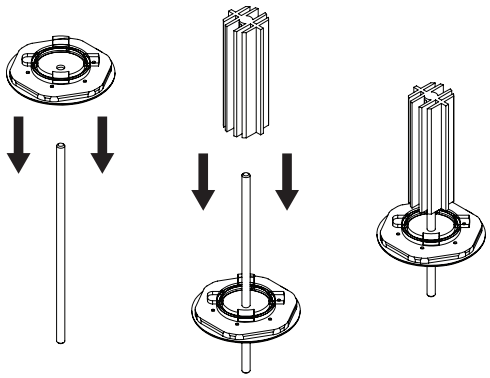


DISPLAY SETUP

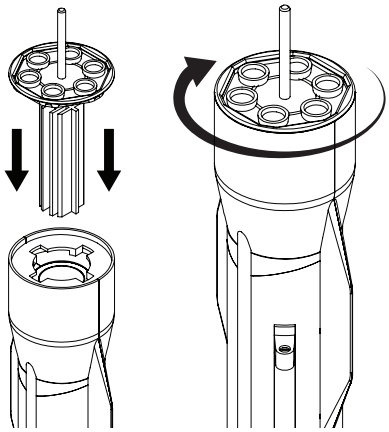
1. Remove display engines.



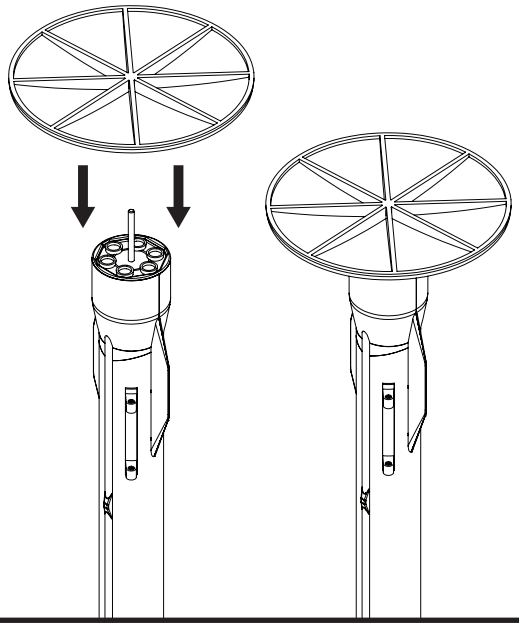
2. Push display engines onto display rod. Then push display adapter onto display rod.



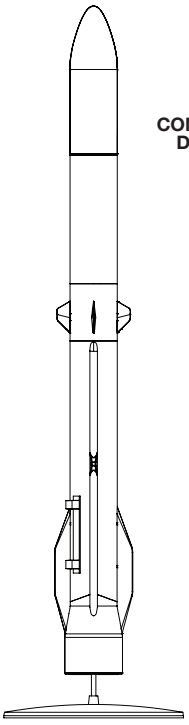
3. Slide adapter assembly into engine mount and rotate into "locked" position.



4. Slide display base onto display rod.

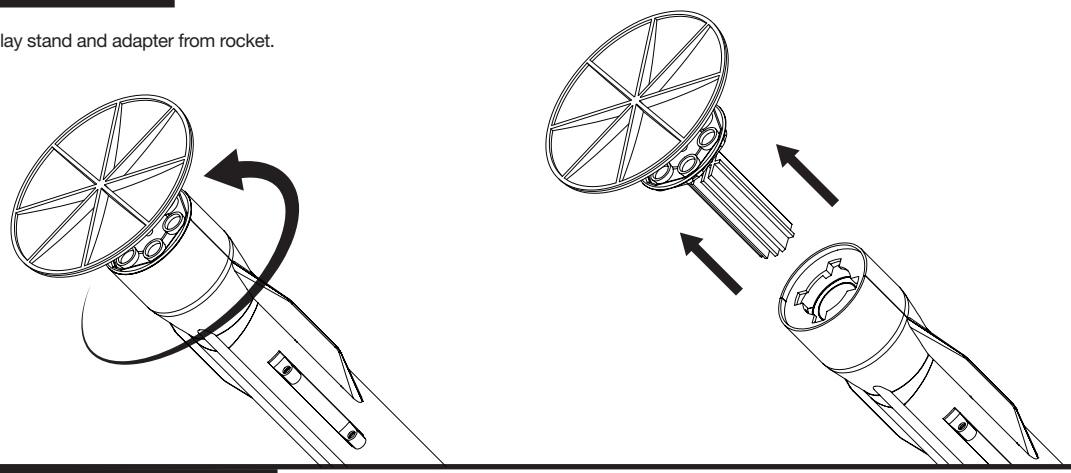


COMPLETED DISPLAY



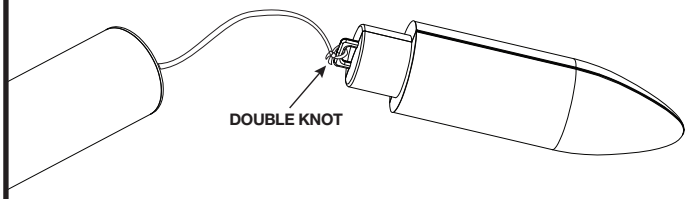
FLIGHT PREPARATION

1. Remove display stand and adapter from rocket.

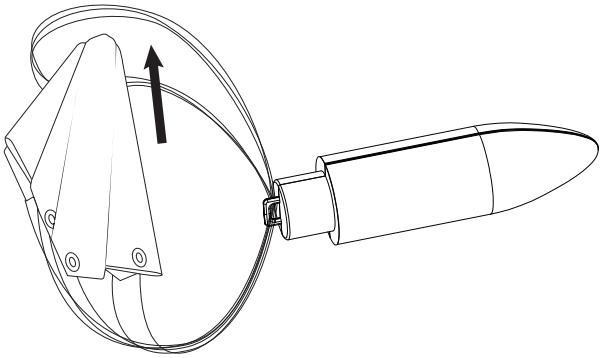


PREPARE RECOVERY SYSTEM

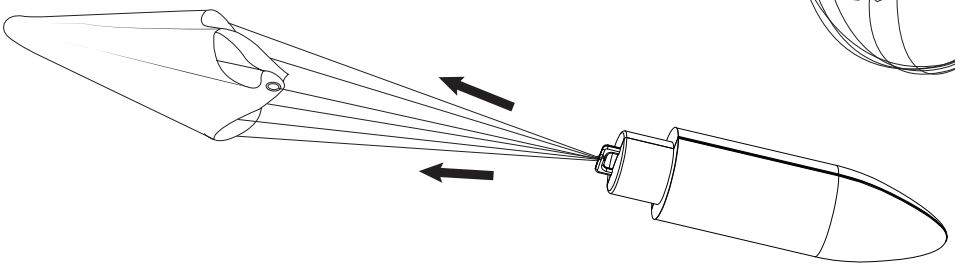
1. Tie shock cord to nose cone.



2. Tie parachute to nose cone as shown.

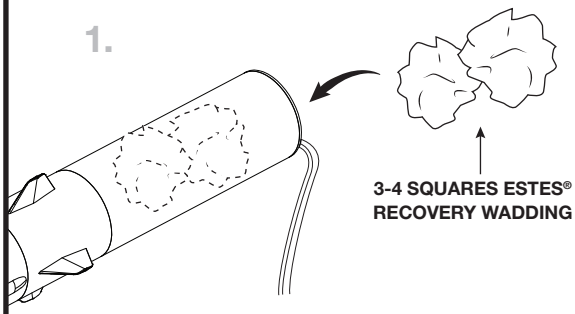


3. Pull parachute strings tight.

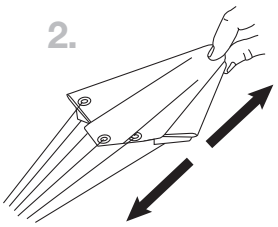


PREPARE FLIGHT RECOVERY

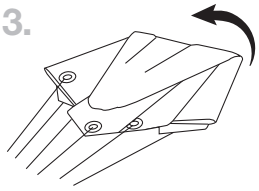
1.



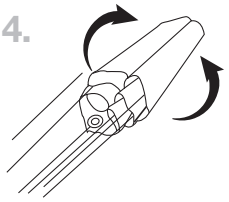
2.



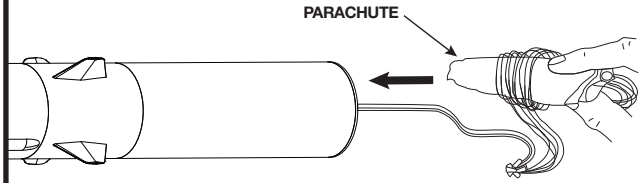
3.



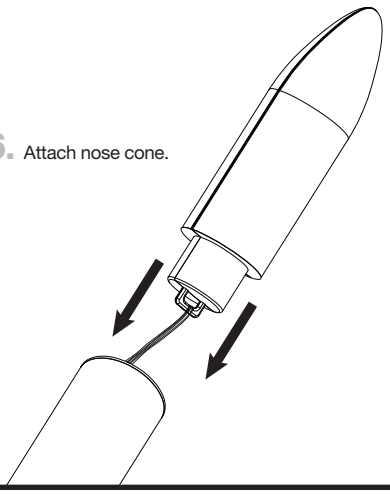
4.



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



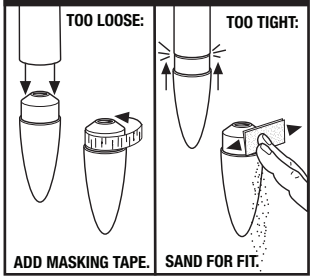
6. Attach nose cone.



NOTE:

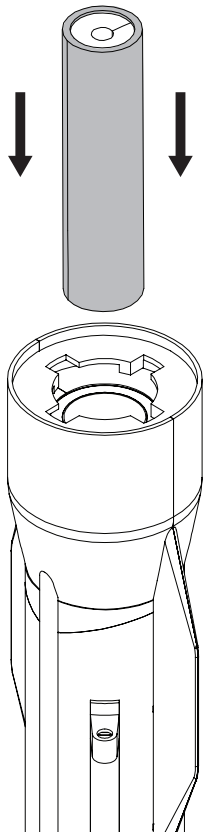
Recovery wadding and parachute must slide easily into body tube. If too tight, redo.

IF NOSE CONE FIT IS...

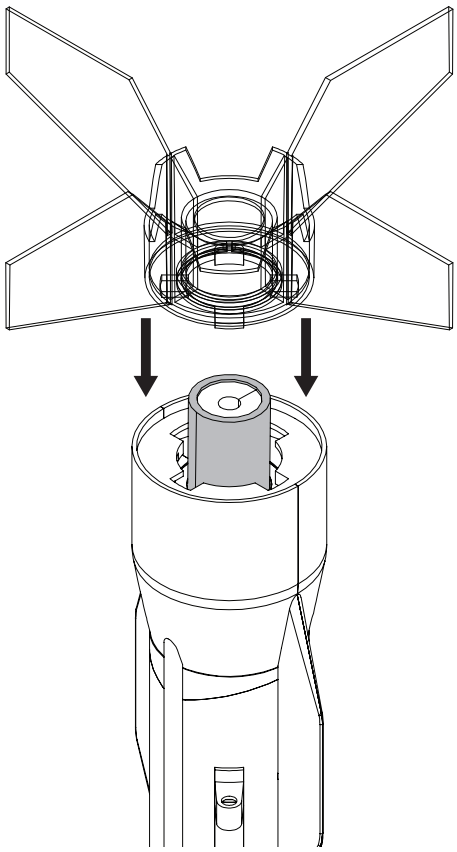


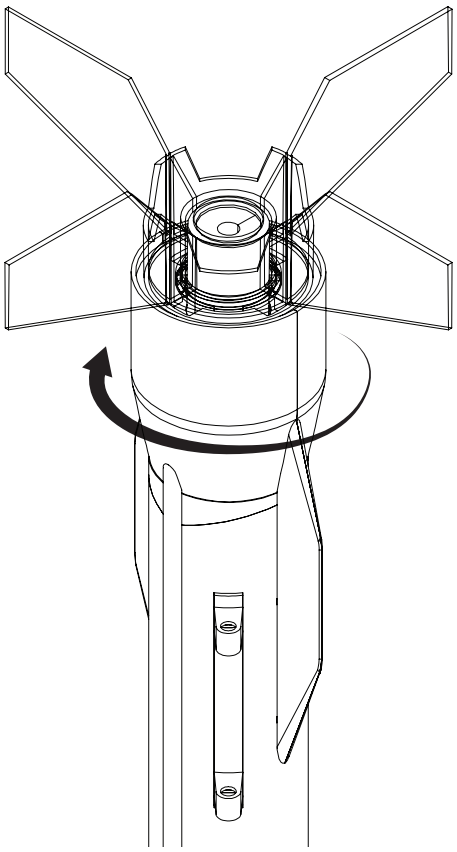
PREPARE ENGINE

1. Slide engine into engine mount.

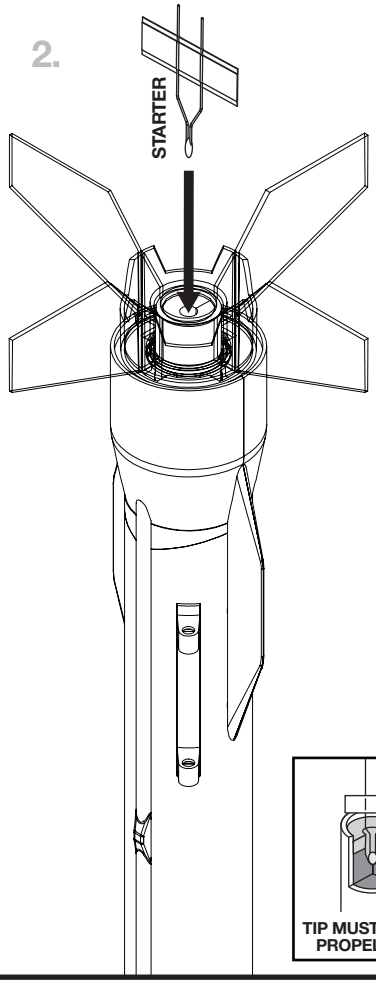


2. Slide fin unit onto engine and into rear of model rocket. Turn clockwise to secure.

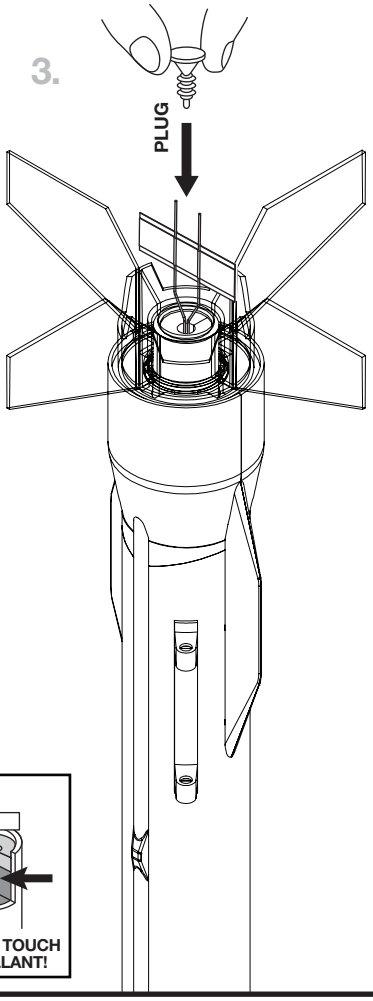




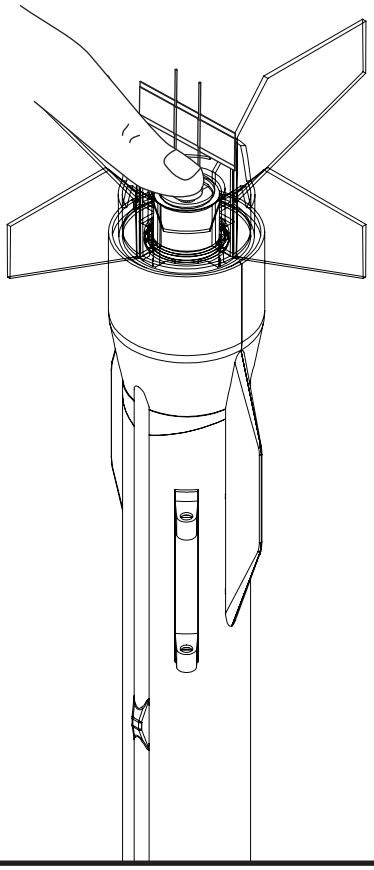
2.



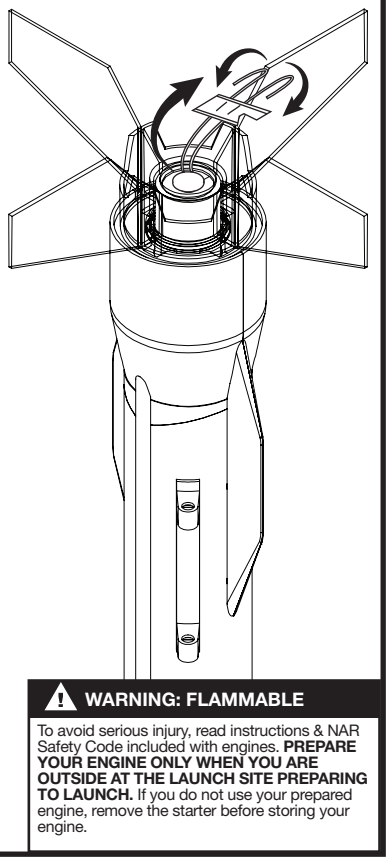
3.



4.



5.



⚠ 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.



1. 6½" (16.5 cm)

MASKING TAPE

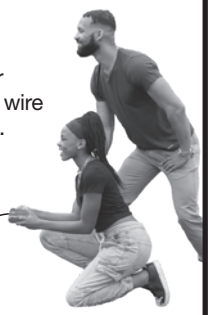
NOTE:
It is important that enough tape is wrapped around launch rod so launch lug does not go over tape.

2.

3.

4.

5. Fully extend your launch controller wire before launching.



16.4 ft. (5 m)

KEY

6. Insert key, push down hard. Bulb will light.

7. 5... 4... 3... 2... 1...

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

9.

10.

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

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.

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PN 090004-9003 (10-25)