



EstesRockets.com

LUNA BUG™

0816



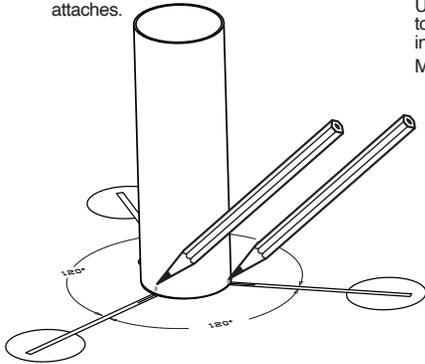
MODEL ROCKET INSTRUCTIONS

KEEP FOR FUTURE REFERENCE

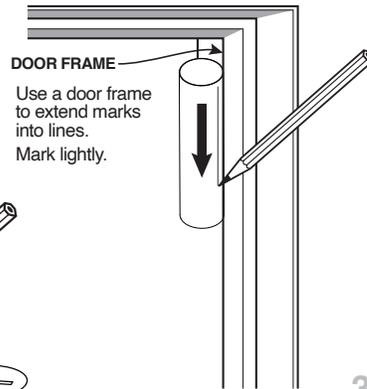
IMPORTANT: Please record date found on panel and keep for future reference. _____

READ ALL INSTRUCTIONS. Make sure you have all parts and supplies. Test fit all parts before applying glue. Product color and shape may vary.

1. Use template to make a mark on the body tube where each fin attaches.



- 2.

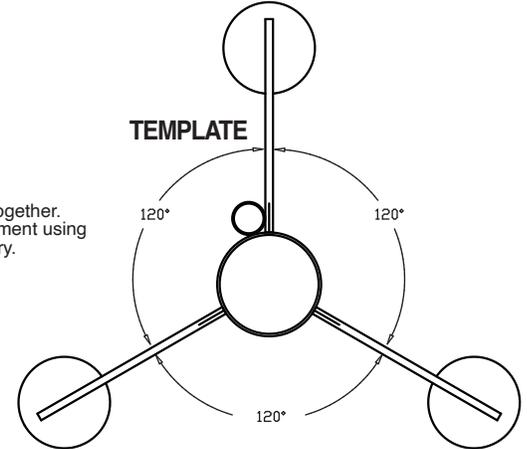


DOOR FRAME
Use a door frame to extend marks into lines.
Mark lightly.

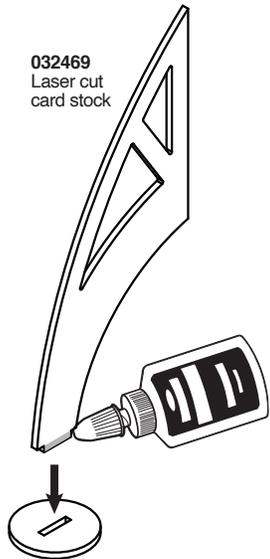
SUPPLIES



3. Glue all parts together. Check fin alignment using template. Let dry.



032469
Laser cut card stock

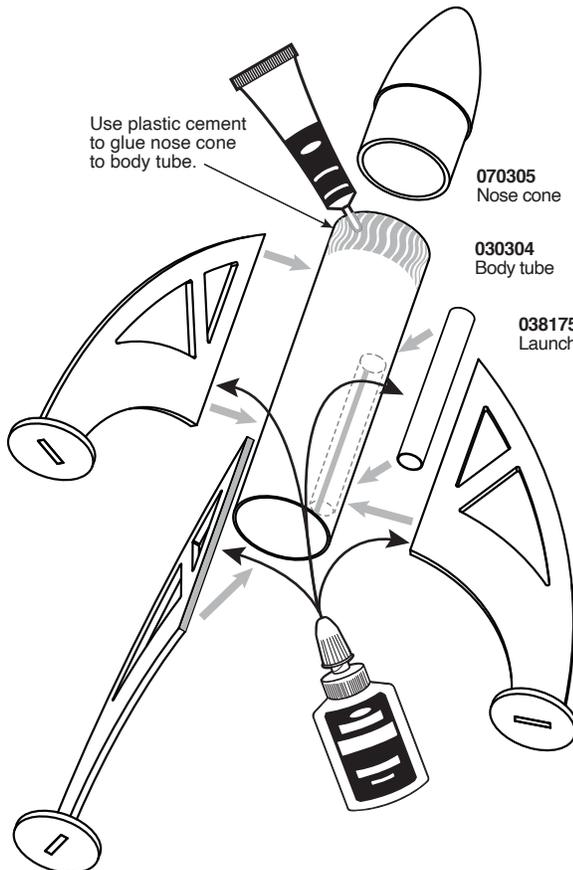


Use plastic cement to glue nose cone to body tube.

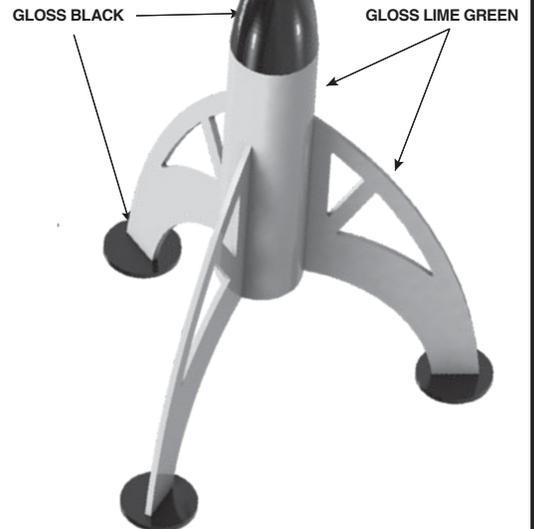
070305
Nose cone

030304
Body tube

038175
Launch lug

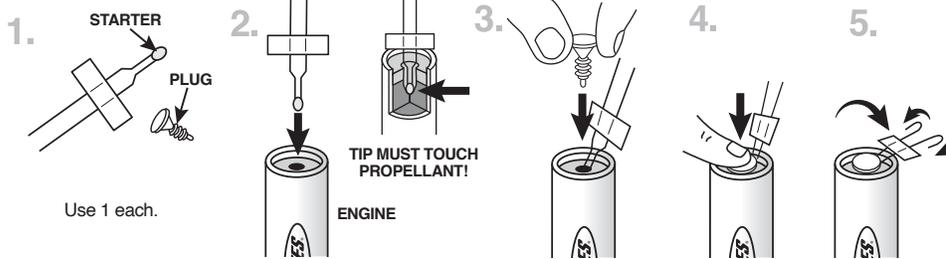


ROCKET FINISHING



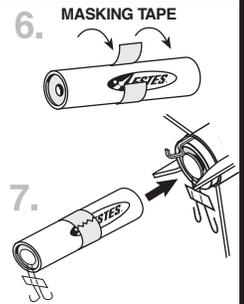
Spray rocket with white primer, let dry and sand. Repeat until rocket is smooth, then paint.

PREPARE ENGINE



NOTE:
If necessary, place a piece of tape on side of engine to friction fit it in body.

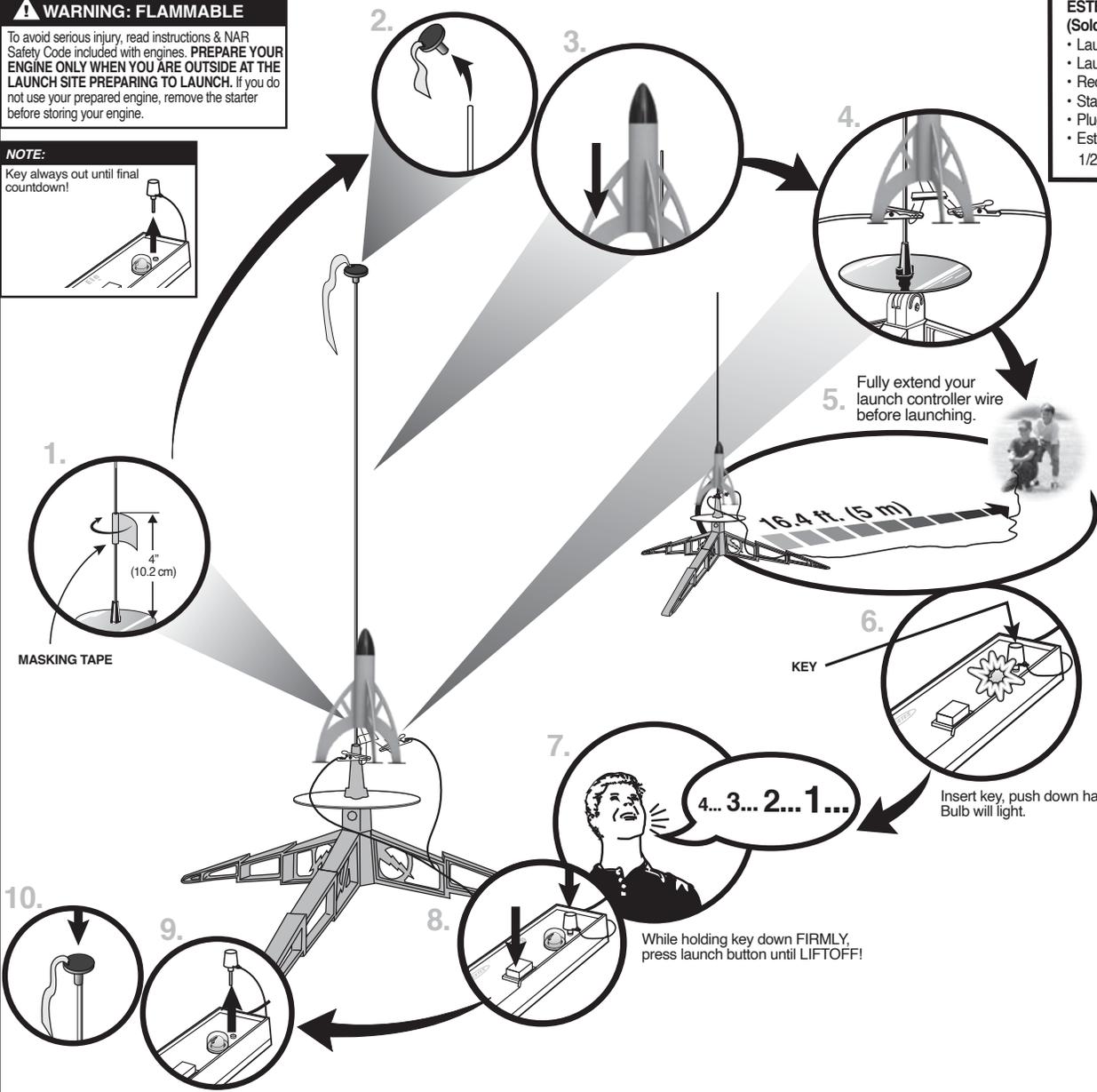
IMPORTANT:
Engine must not fit too tightly into rocket. When engine fires, the engine casing is ejected from rocket.



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.

NOTE:
Key always out until final countdown!

- ESTES® LAUNCH SUPPLIES NEEDED (Sold Separately)**
- Launch Pad
 - Launch Controller
 - Recovery Wadding
 - Starters (with engines)
 - Plugs (with engines)
 - Estes® Engines: 1/4 A3-3T (first launch), 1/2A3-2T, 1/2A3-4T, A3-4T, A10-3T



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. 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 starter clips and remove the engine. Take the plug and starter out of the engine. If the starter has burned, it worked but did not ignite the engine because it was not touching the propellant inside the engine. Put a new starter all the way inside the engine without bending it. Push the plug in place. Repeat the steps under Countdown and Launch.