EstesRockets.com

MINI MAX™

2100/2445/5337



AGES 10+

Skill Level
INTERMEDIATE

MODEL ROCKET INSTRUCTIONS

KEEP FOR FUTURE REFERENCE

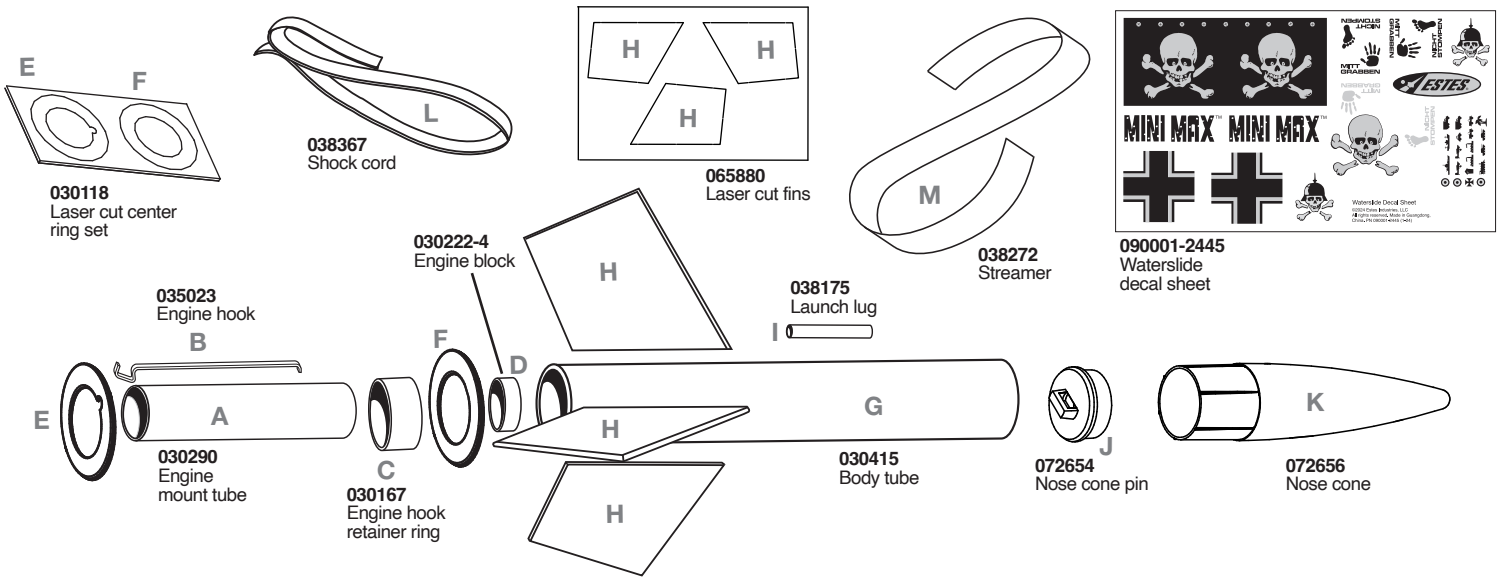
IMPORTANT: Please record date found on decal and keep for future reference. _____

Read all instructions. *Make sure you have all parts and supplies.*

SUPPLIES

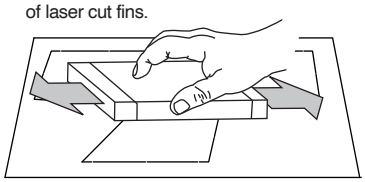


PENCIL | FINE SANDPAPER | RULER | YELLOW GLUE | HOBBY KNIFE | WHITE PRIMER | RED & BLACK PAINT | CLEAR COAT (OPTIONAL) | PLASTIC CEMENT | MASKING TAPE | SCISSORS

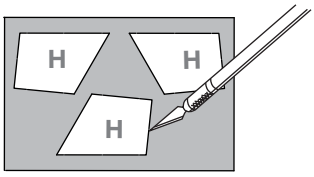


PREPARE FINS

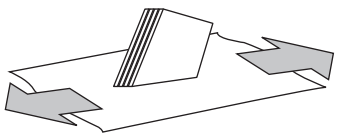
1. Sand both sides of laser cut fins.



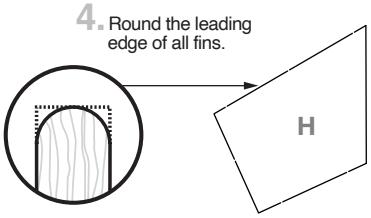
2. Using a hobby knife, cut out laser cut fins.



3. Stack fins together and sand all edges.

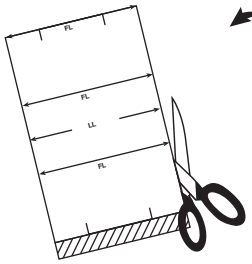


4. Round the leading edge of all fins.



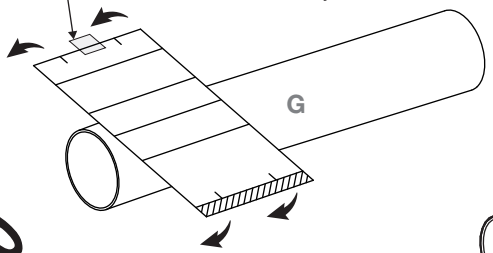
TUBE MARKING

1. Cut out tube marking guide from page 2.

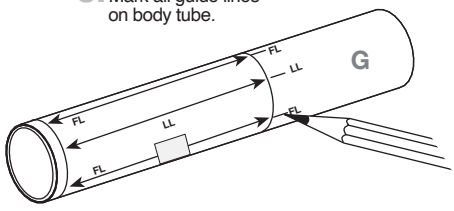


Tape

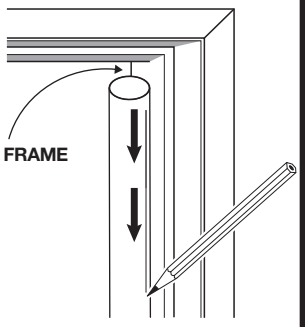
2. Wrap tube marking guide around end of body tube.



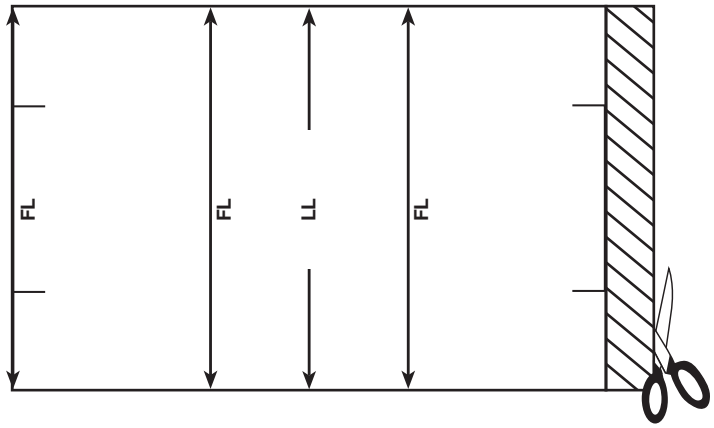
3. Mark all guide lines on body tube.

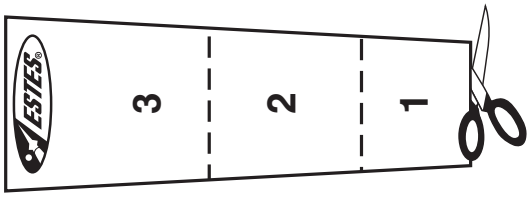


4. Remove guide. Use door frame to extend all lines.



TUBE MARKING GUIDE AND SHOCK CORD MOUNT

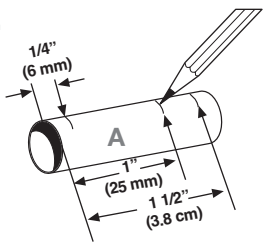


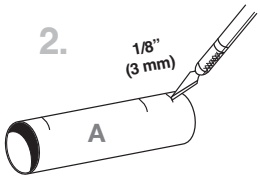


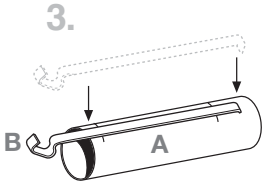
NOTE:

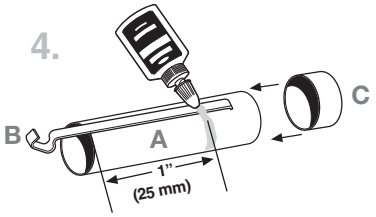
Make a copy if you want to keep instructions.

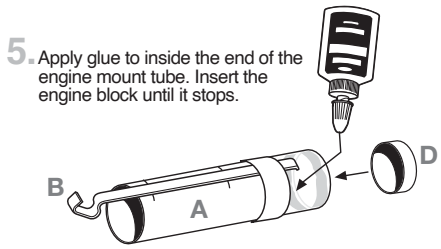
ASSEMBLE ENGINE MOUNT

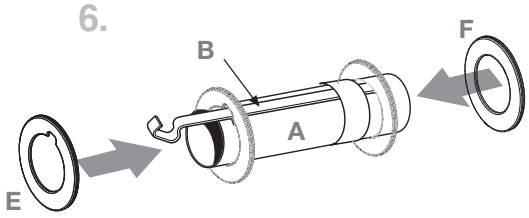


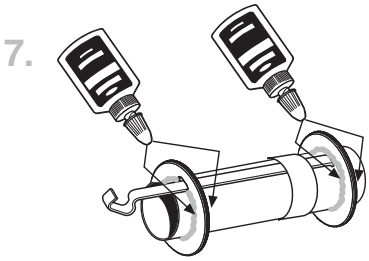






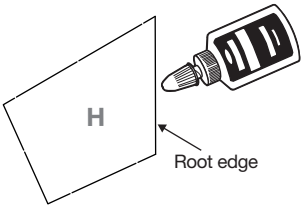




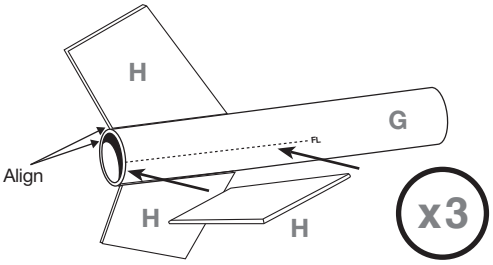


ATTACH FINS

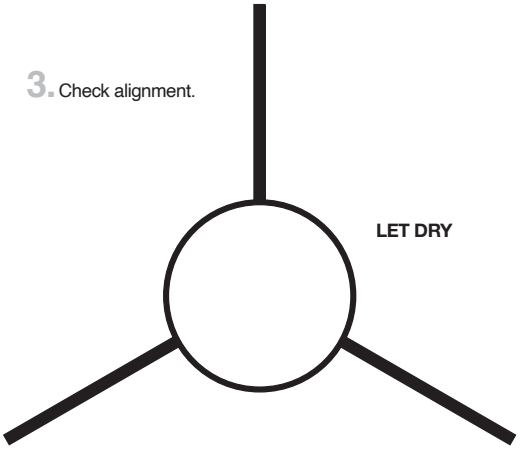
1. Apply thin layer of glue to root edge of fin. Let dry 1 minute and apply another thin layer.



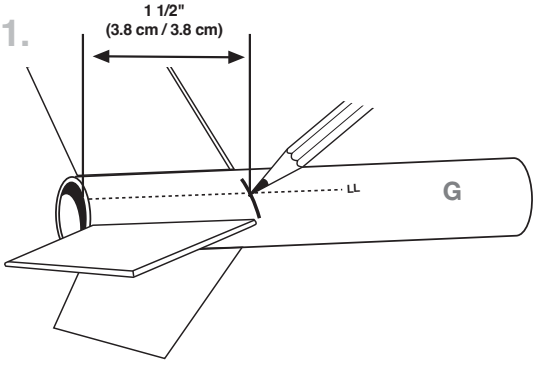
2. Carefully align fins to the fin lines marked on the body tube. Align the bottom of the root edge of the fin with the bottom of the body tube.

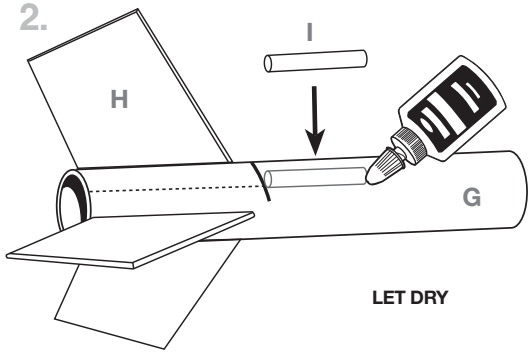


3. Check alignment.

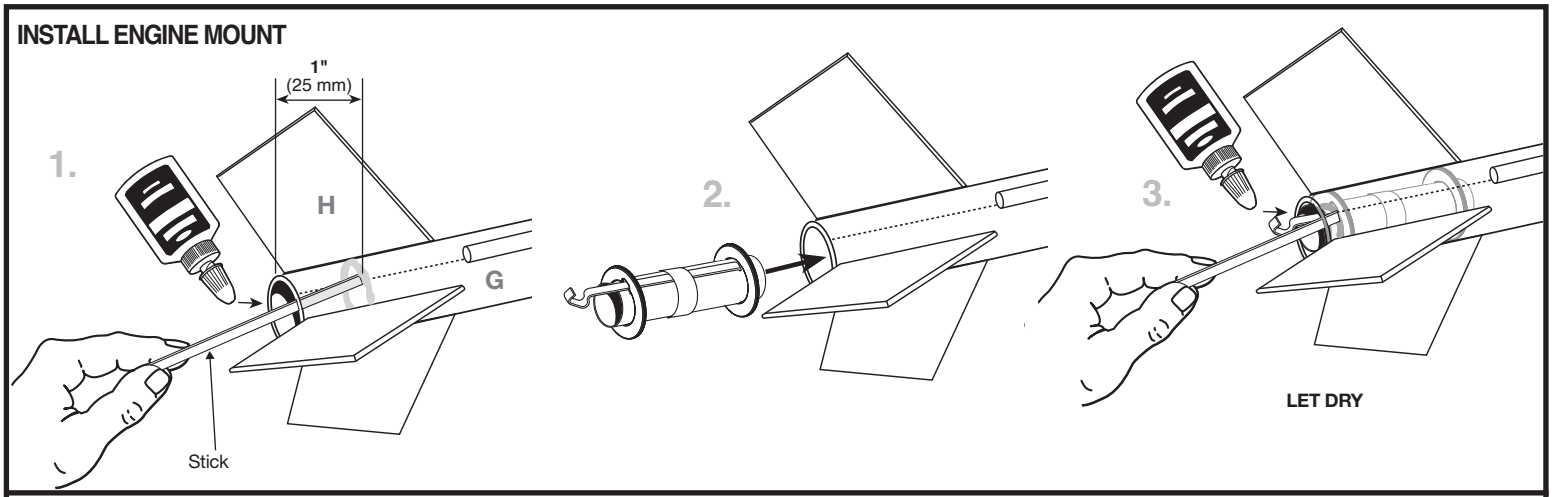


ATTACH LAUNCH LUG

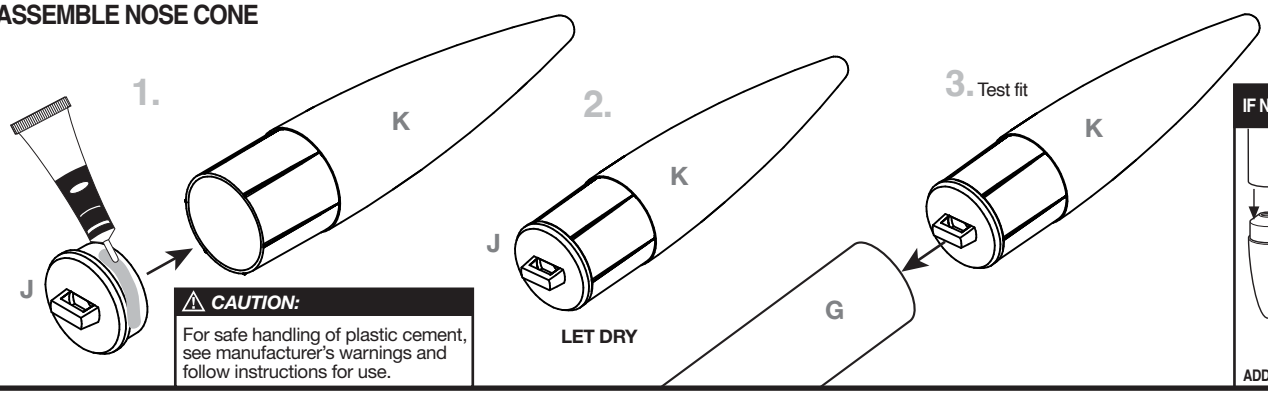




INSTALL ENGINE MOUNT



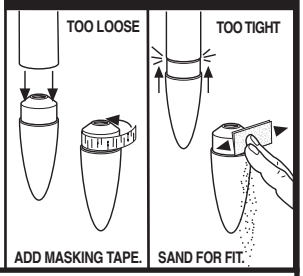
ASSEMBLE NOSE CONE



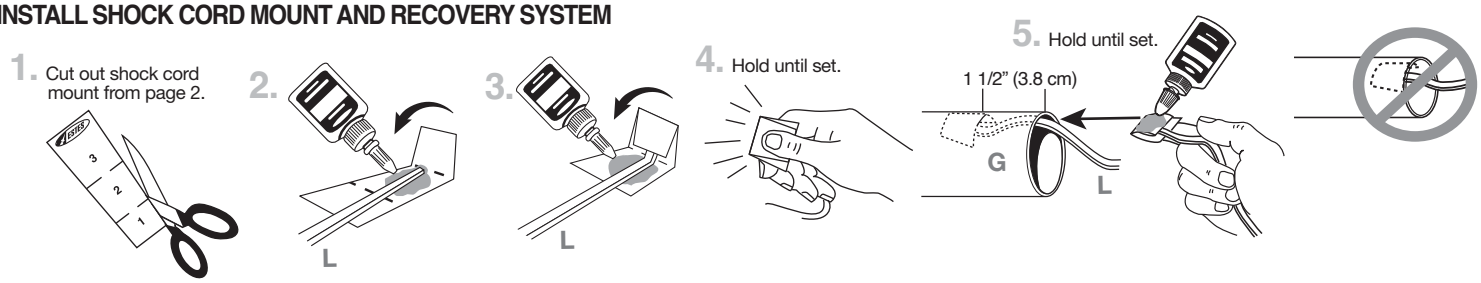
⚠ CAUTION:

For safe handling of plastic cement, see manufacturer's warnings and follow instructions for use.

IF NOSE CONE FIT IS…



INSTALL SHOCK CORD MOUNT AND RECOVERY SYSTEM

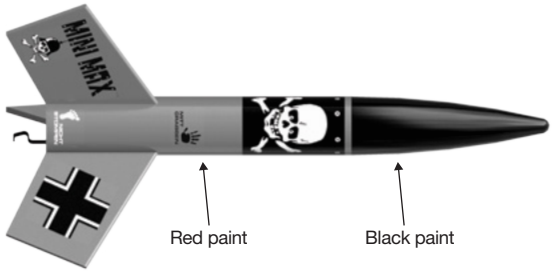


ROCKET FINISHING

Spray rocket with white primer, let dry & sand. Repeat until rocket is smooth, then paint. Apply decals after paint is dry.

1. Cut decals from sheet, trimming close to edge.
2. One at a time, place in warm water until decal curls and begins to relax.
3. Remove and position on rocket, sliding decal away from backing material.
4. Blot with clean paper towel. Let set overnight.
5. Optional: apply protective clear coat.

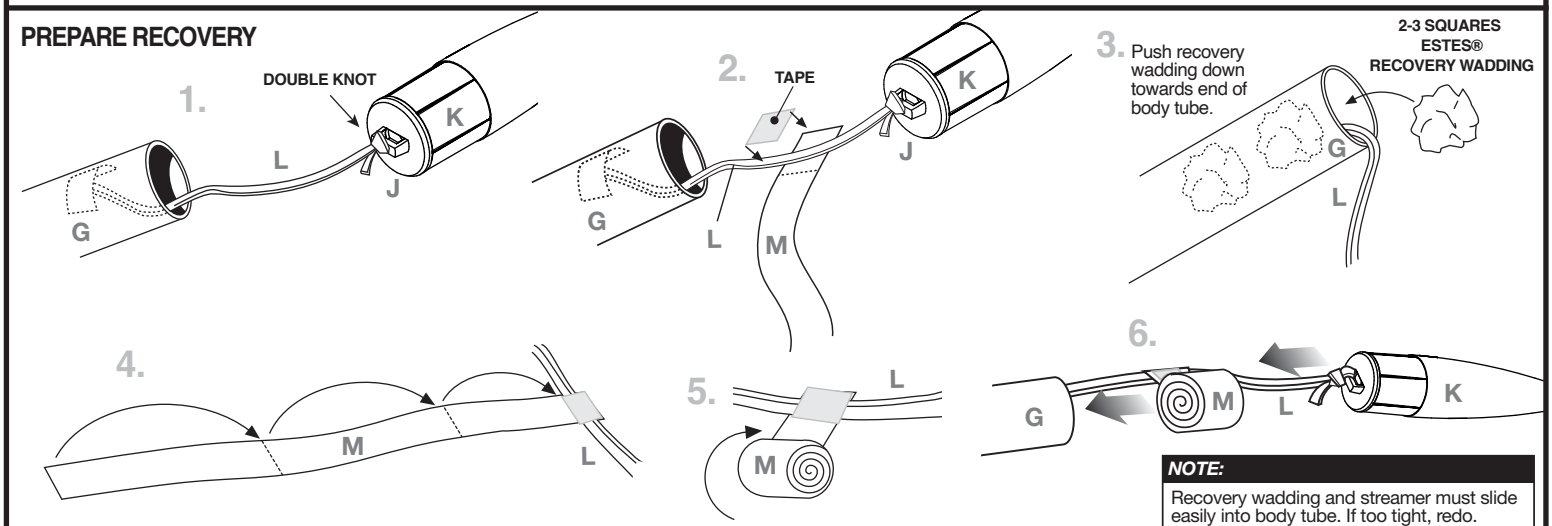
Please refer to packaging image for suggested paint scheme and/or decal placement.



⚠ CAUTION:

See manufacturer's warnings and instructions before using spray finishing products.

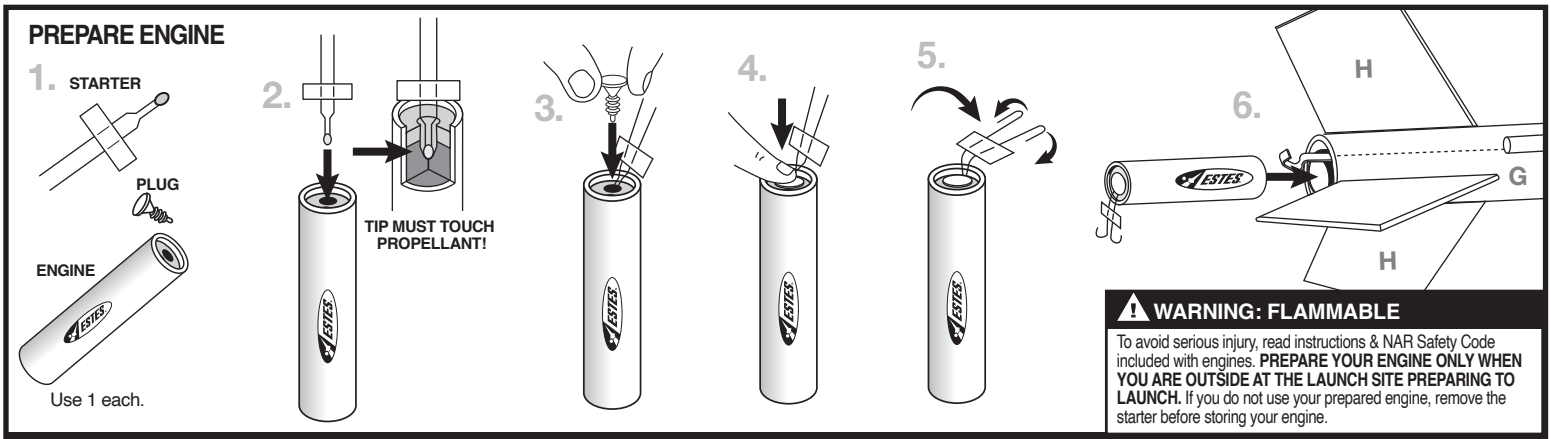
PREPARE RECOVERY



NOTE:

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

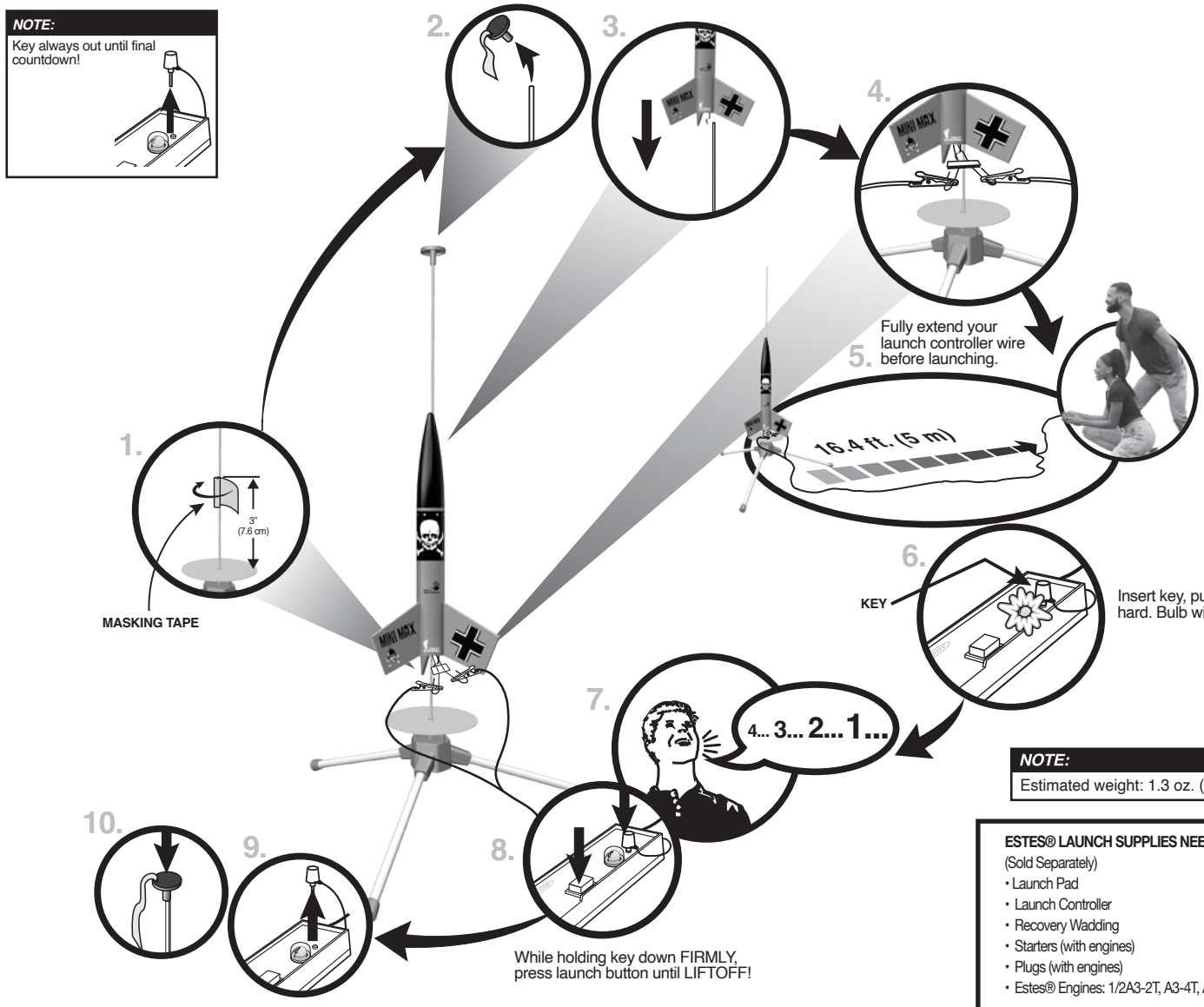
PREPARE ENGINE



⚠ 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:
Estimated weight: 1.3 oz. (36.9 g)

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