



estesrockets.com

CHEROKEE-E™

2408



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. Test fit all parts before applying glue. Sand as necessary for precision assembly. Product color and shape may vary.

SUPPLIES / MATERIALES / FOURNITURES



SCISSORS



PENCIL



RULER



FINE SANDPAPER



YELLOW GLUE



HOBBY KNIFE



MASKING TAPE



CLEAR TAPE



PRIMER (WHITE)



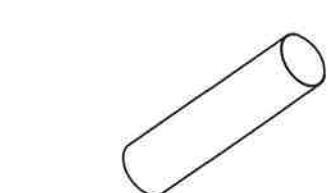
PAINT (WHITE, BLUE)



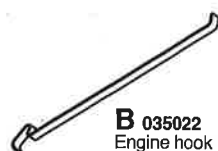
CLEAR COAT (OPTIONAL)



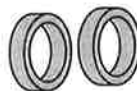
SAND BLOCK



A 030368
4" (10.2 cm) Engine mount tube



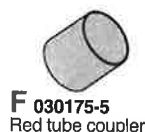
B 035022
Engine hook



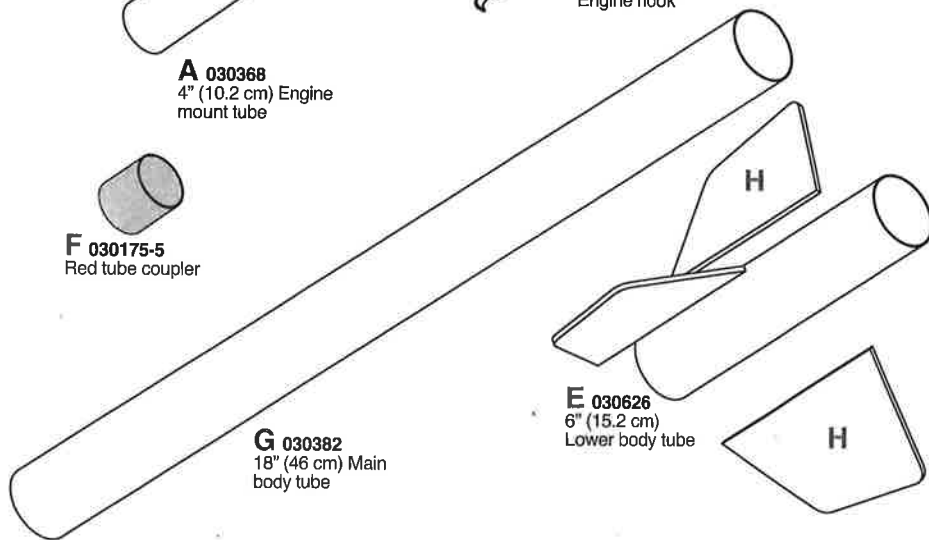
C 030166-2
Green engine block



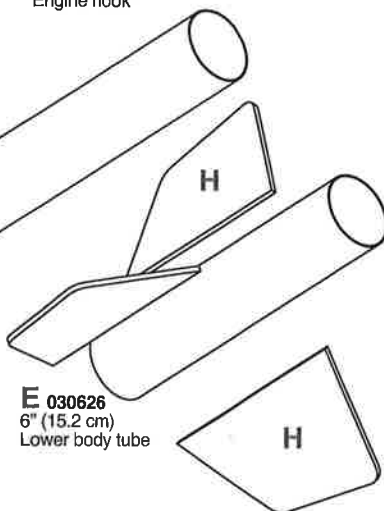
D 030164-2
Engine block



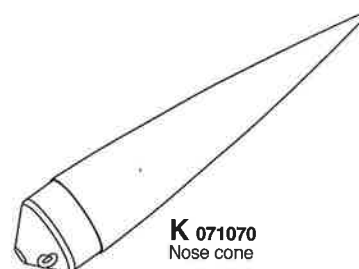
F 030175-5
Red tube coupler



G 030382
18" (46 cm) Main body tube



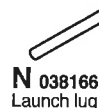
E 030626
6" (15.2 cm) Lower body tube



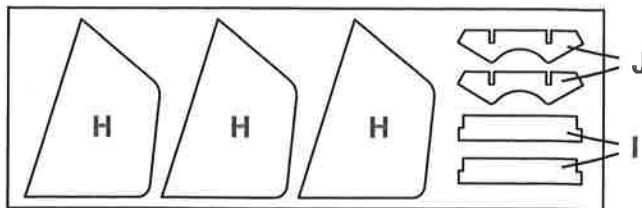
K 071070
Nose cone



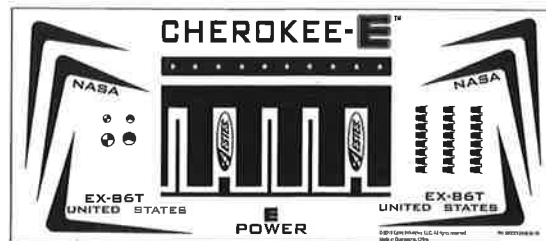
L 035005
Orange E to D engine spacer



N 038166
Launch lug



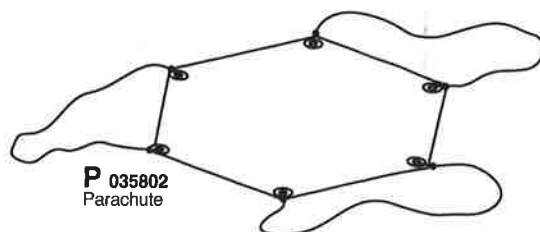
032234
Laser cut wood sheet



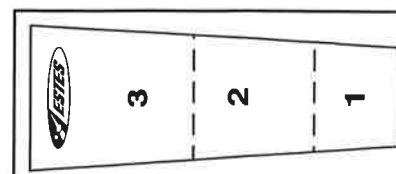
09001-2408
Waterslide decal



O 038369
Shock cord



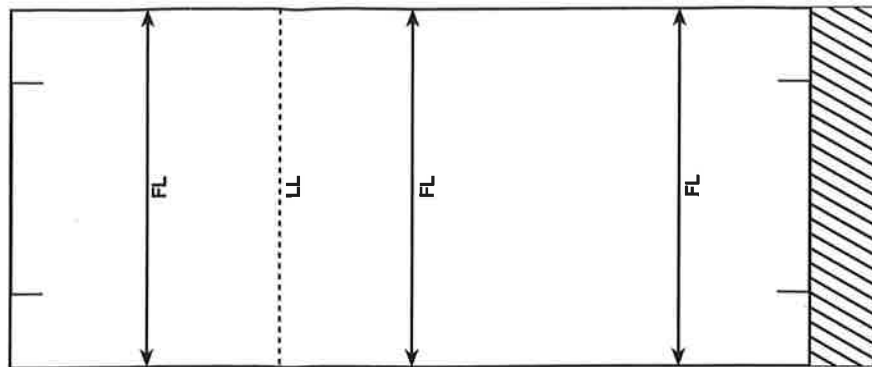
P 035802
Parachute



Q 084445
Shock cord mount

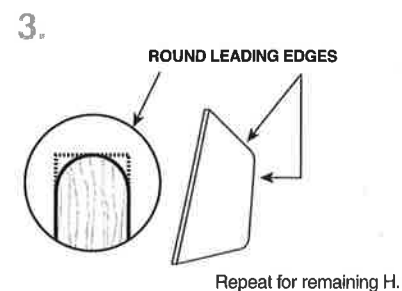
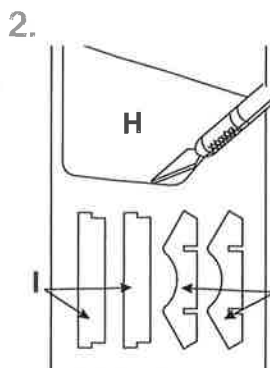
TUBE MARKING GUIDE & SHOCK CORD MOUNT

Make a copy if you want to keep instructions.

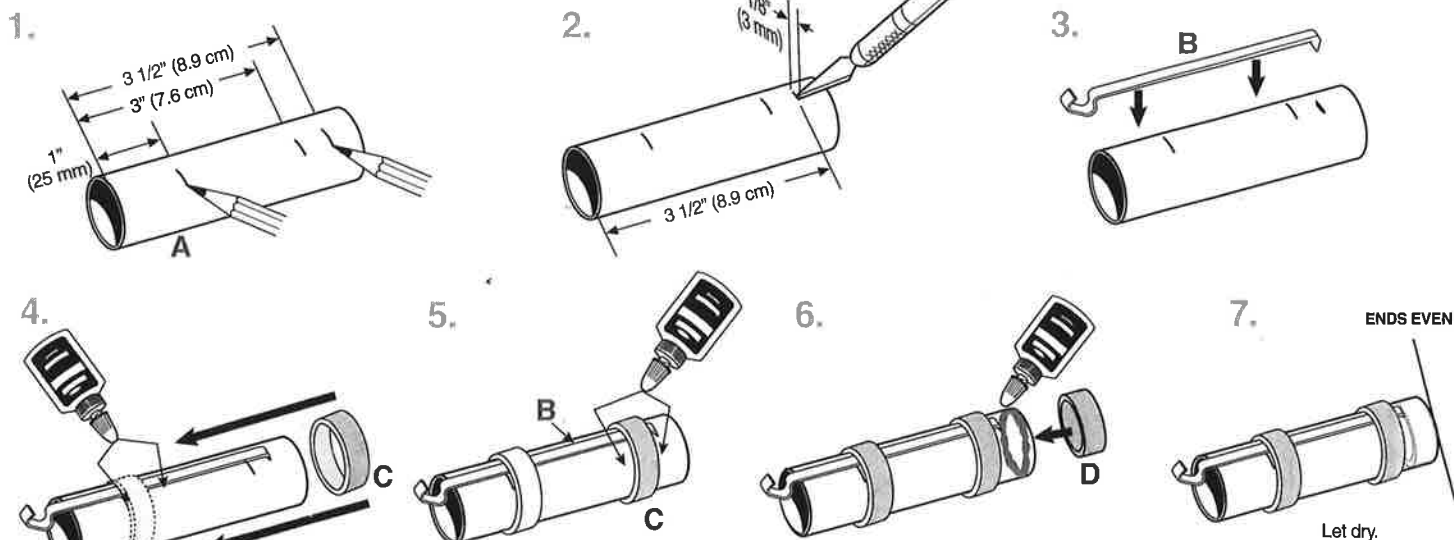


PREPARE FINS

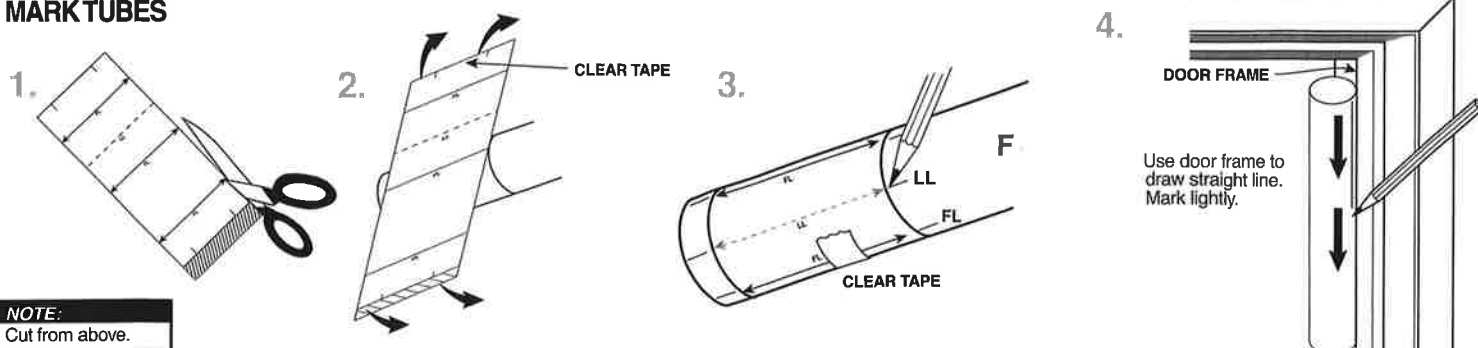
1. Sand both sides.



ASSEMBLE ENGINE MOUNT

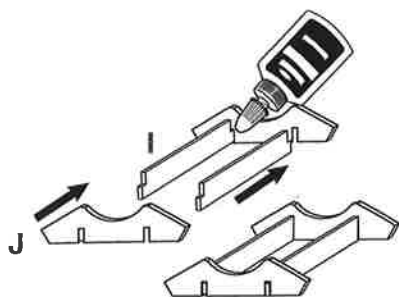


MARK TUBES

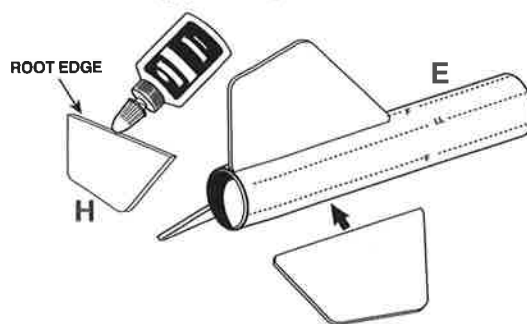


ATTACH FINS

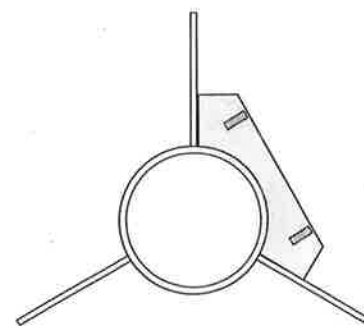
1. Glue I and J together to make a fin alignment tool. Let dry.



2. Apply thin layer of glue to edge of H. Let dry a few minutes. Apply second layer. Attach to E on fin line.

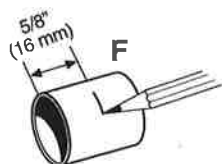


3. Repeat for all fins. Check alignment using fin alignment tool. Let dry.

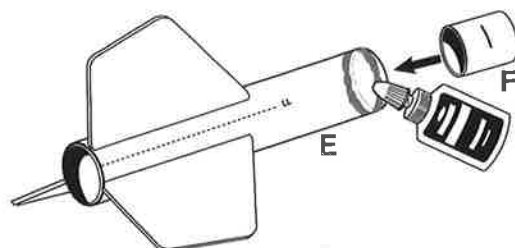


JOIN BODY TUBES

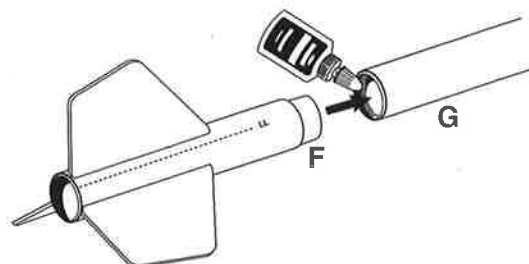
1. Insert F to mark. Let dry.



2. Insert F to mark. Let dry.

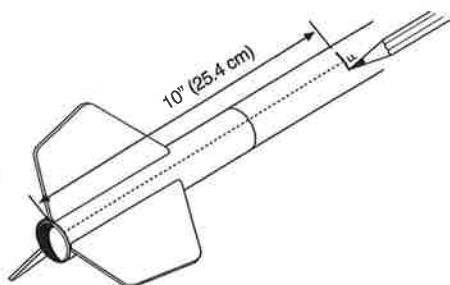


3. Let dry.



ATTACH LAUNCH LUG

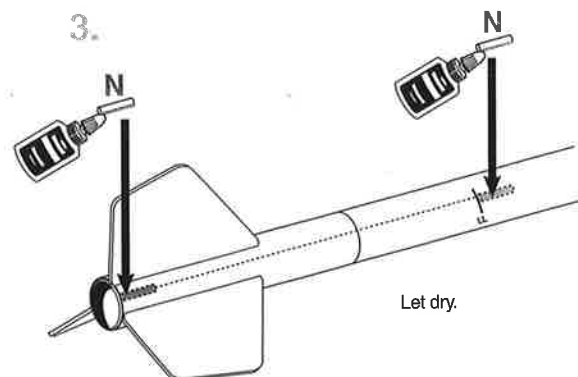
1. Extend LL Mark.



2. Cut N in half.

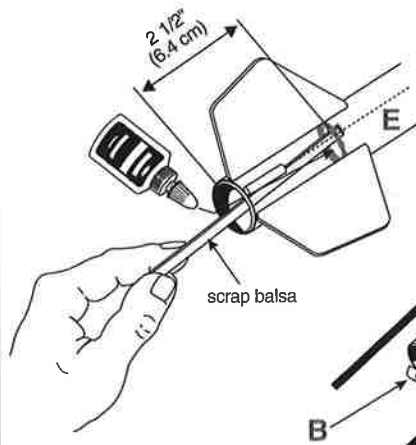


3. Let dry.

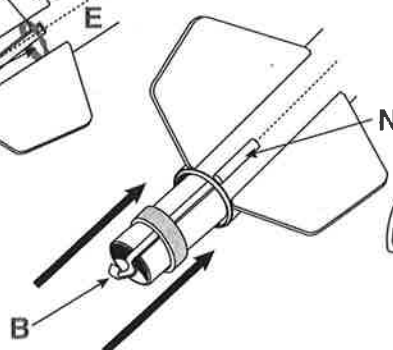


INSTALL ENGINE MOUNT

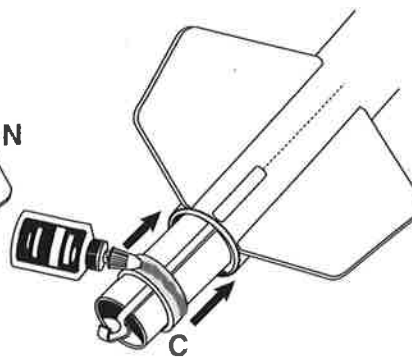
1. Apply glue inside E.



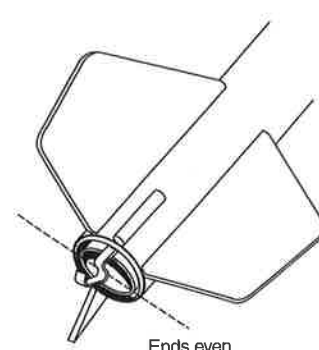
2. Slide engine mount assembly half way in. Align B with N.



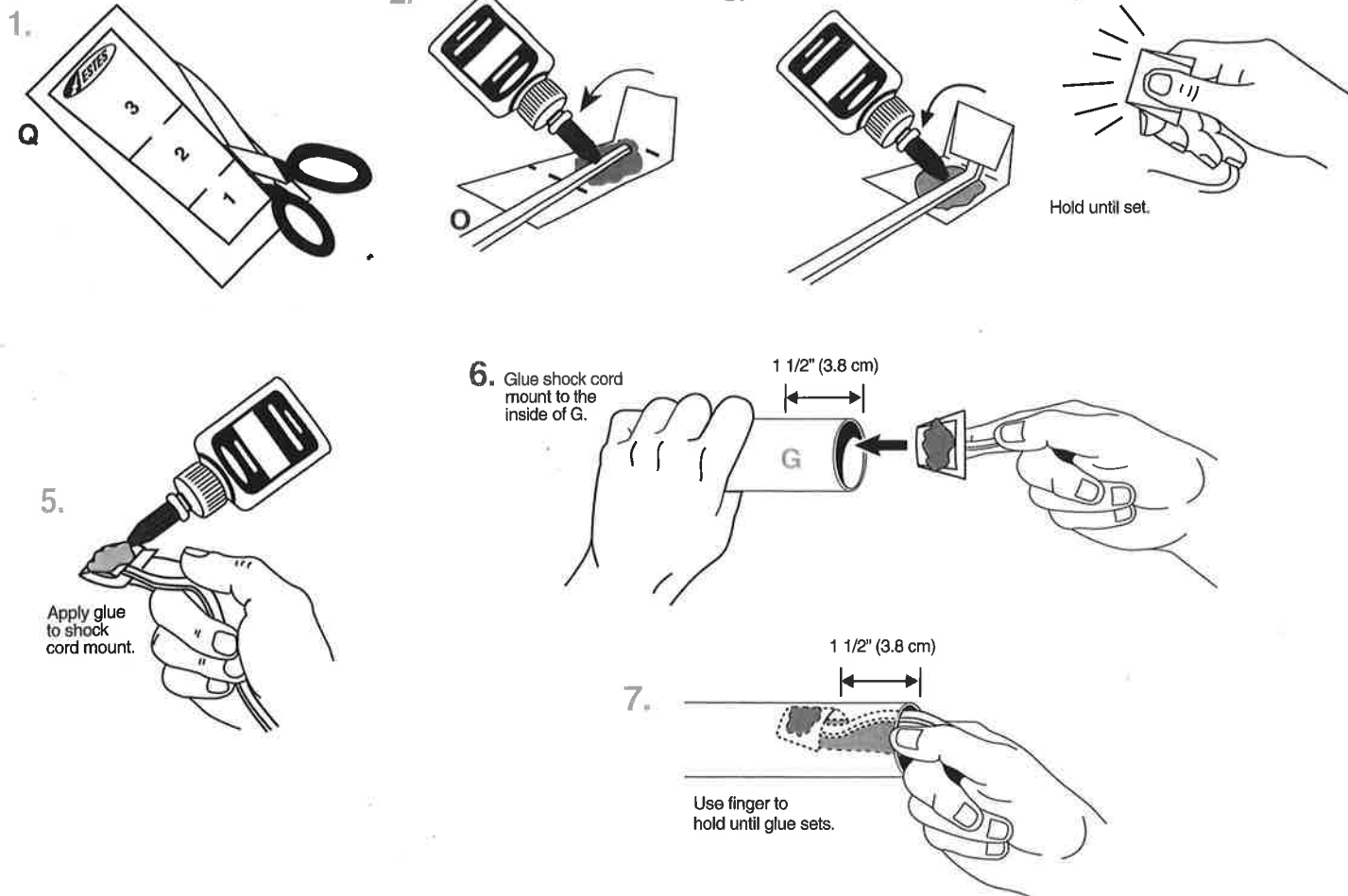
3. Apply glue around C. Slide engine mount assembly into E until ends are even. Let dry.



4. Ends even

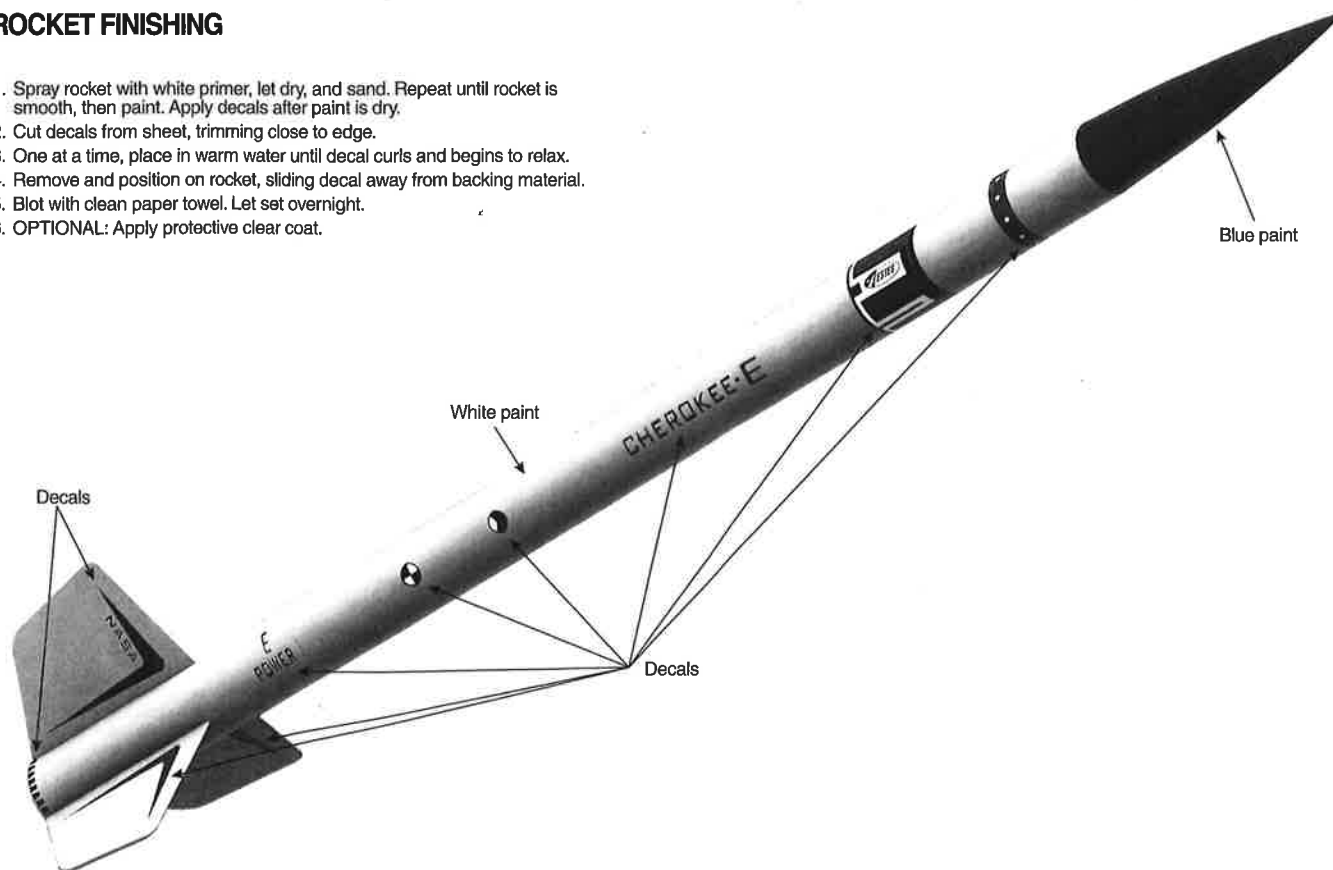


INSTALL SHOCK CORD

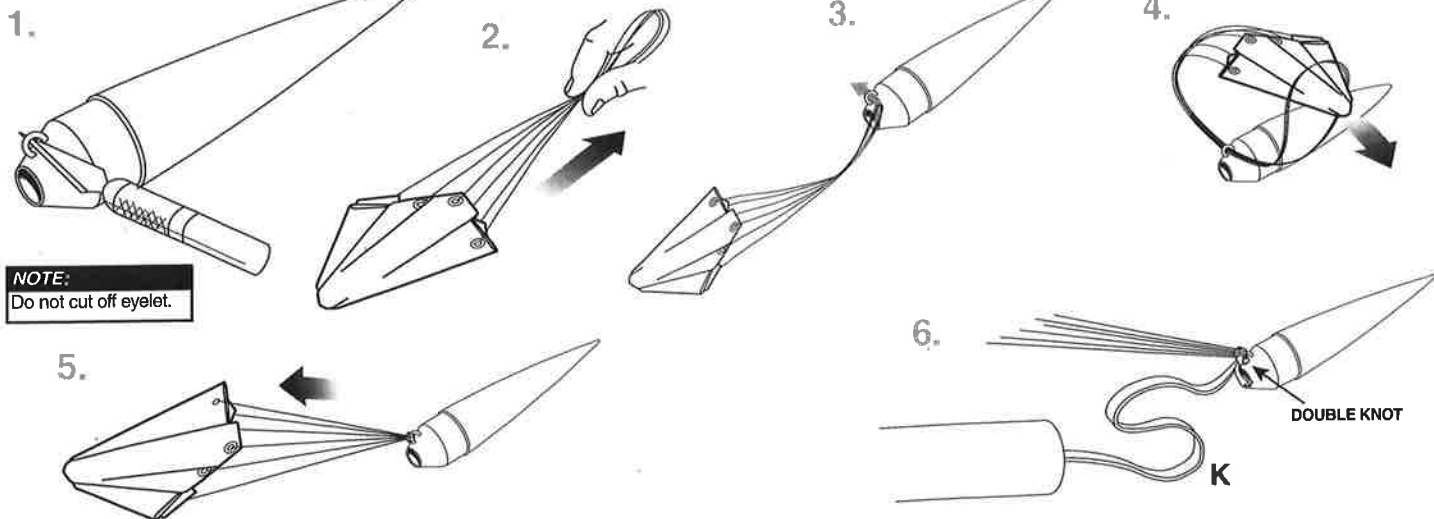


ROCKET FINISHING

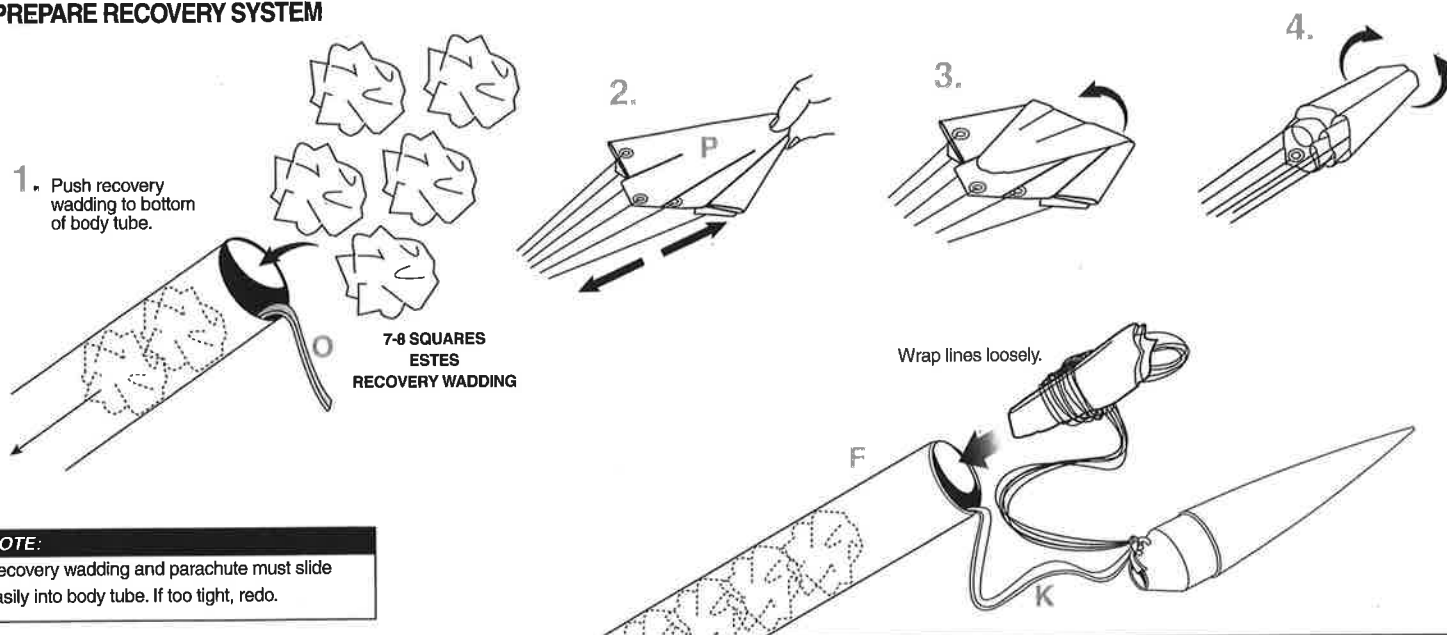
1. Spray rocket with white primer, let dry, and sand. Repeat until rocket is smooth, then paint. Apply decals after paint is dry.
2. Cut decals from sheet, trimming close to edge.
3. One at a time, place in warm water until decal curls and begins to relax.
4. Remove and position on rocket, sliding decal away from backing material.
5. Blot with clean paper towel. Let set overnight.
6. OPTIONAL: Apply protective clear coat.



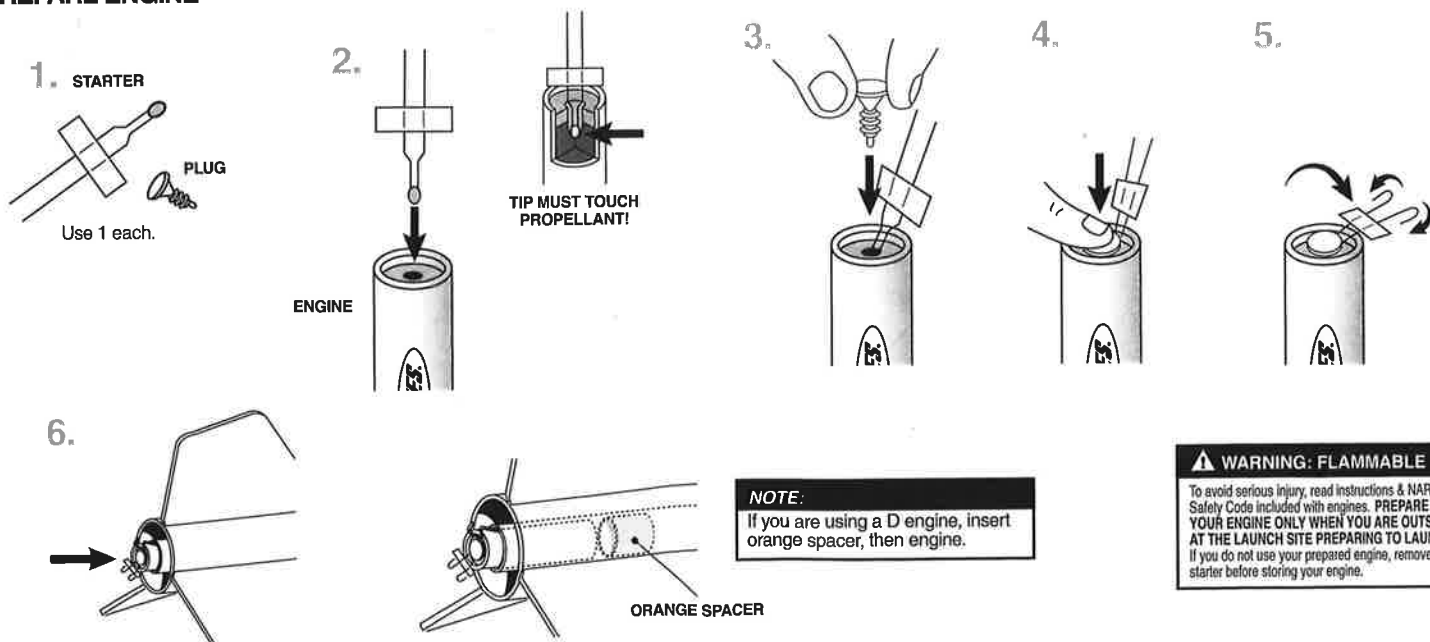
PREPARE RECOVERY SYSTEM



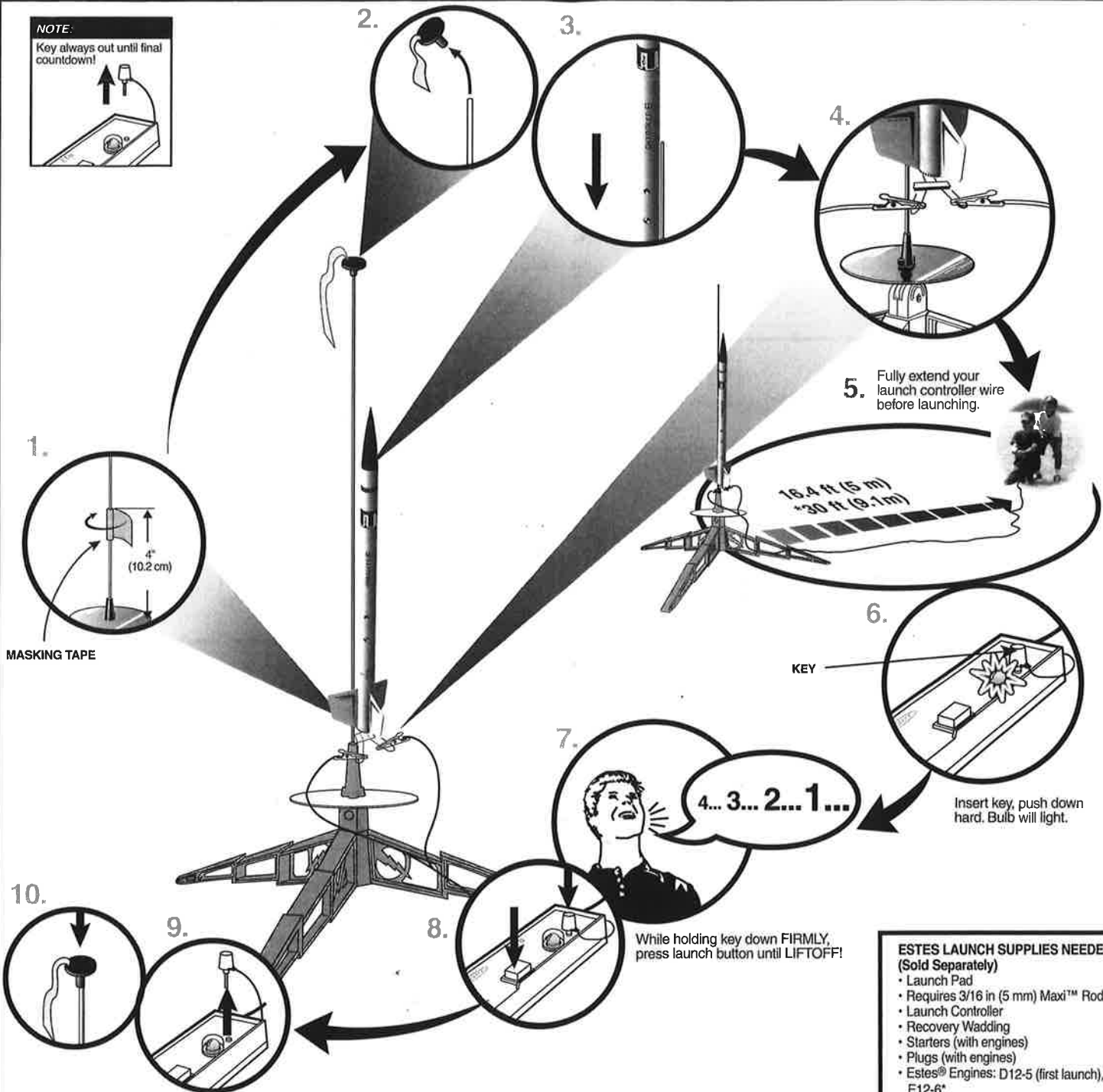
PREPARE RECOVERY SYSTEM



PREPARE ENGINE



NOTE:
Key always out until final
countdown!



**ESTES LAUNCH SUPPLIES NEEDED
(Sold Separately)**

- Launch Pad
- Requires 3/16 in (5 mm) Maxi™ Rod
- Launch Controller
- Recovery Wadding
- Starters (with engines)
- Plugs (with engines)
- Estes® Engines: D12-5 (first launch), D12-7, E12-6*

* E Engines require E Launch Controller.

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. 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.

