



EstesRockets.com

# VAPOR™

7294



One rocket — two looks!  
Decals included for both!

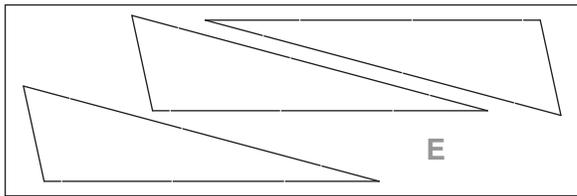
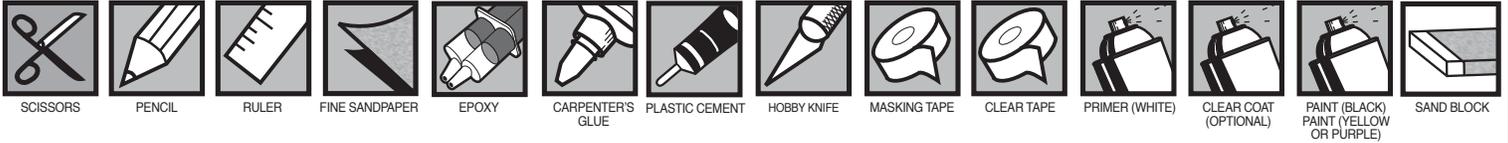
## MODEL ROCKET INSTRUCTIONS

### KEEP FOR FUTURE REFERENCE

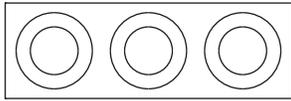
**IMPORTANT:** Please record date found on decal and keep for future reference. \_\_\_\_\_

**READ ALL INSTRUCTIONS.** Make sure you have all parts and supplies. Test fit all parts before applying glue.

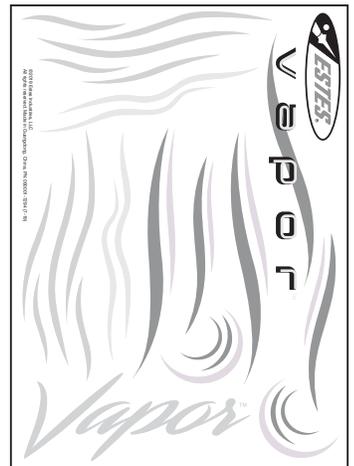
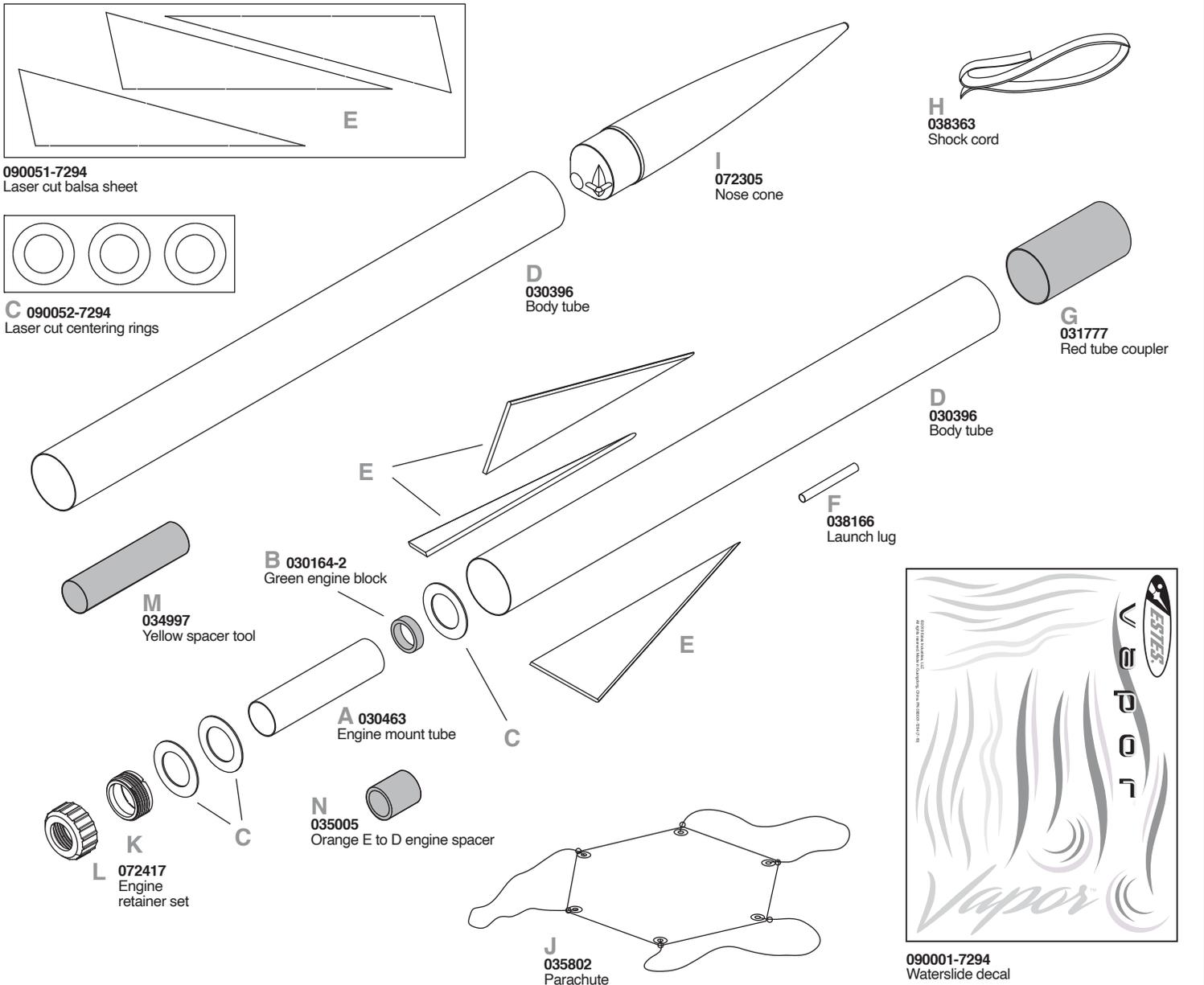
### SUPPLIES



**090051-7294**  
Laser cut balsa sheet



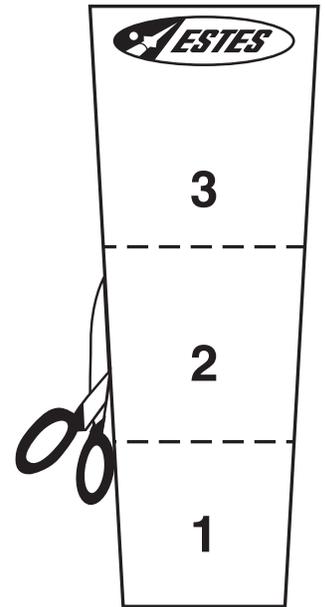
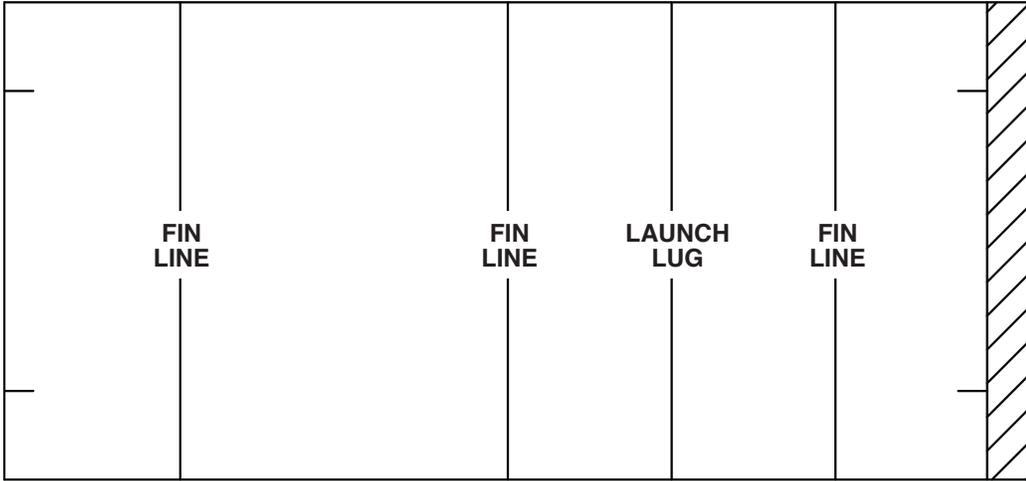
**C 090052-7294**  
Laser cut centering rings



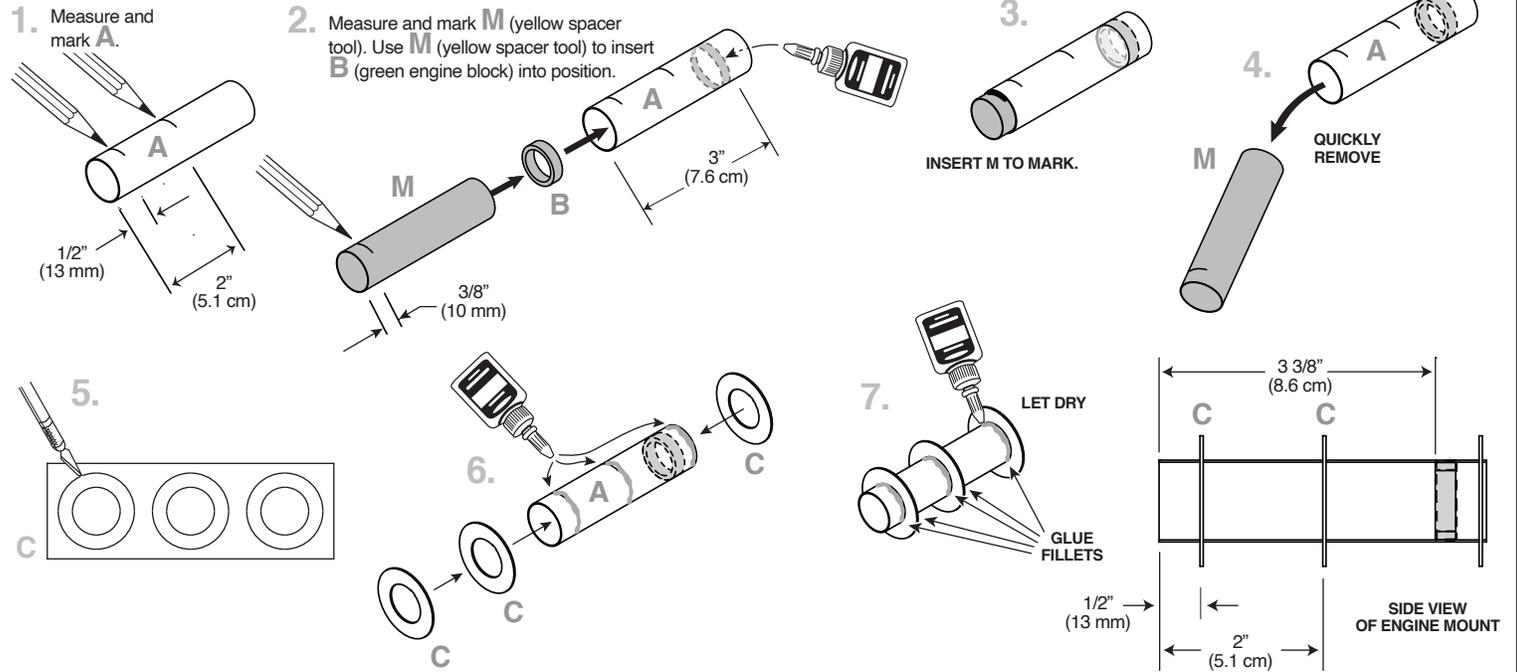
**090001-7294**  
Waterslide decal

# TUBE MARKING GUIDE & SHOCK CORD MOUNT

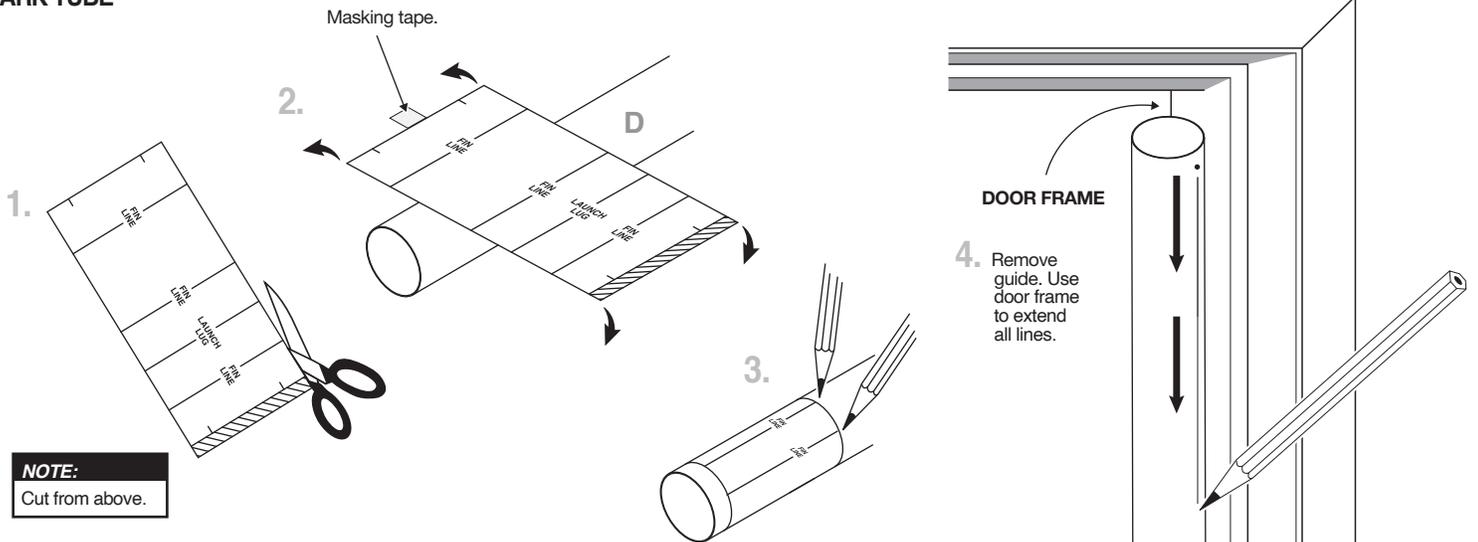
Make a copy if you want to keep instructions.



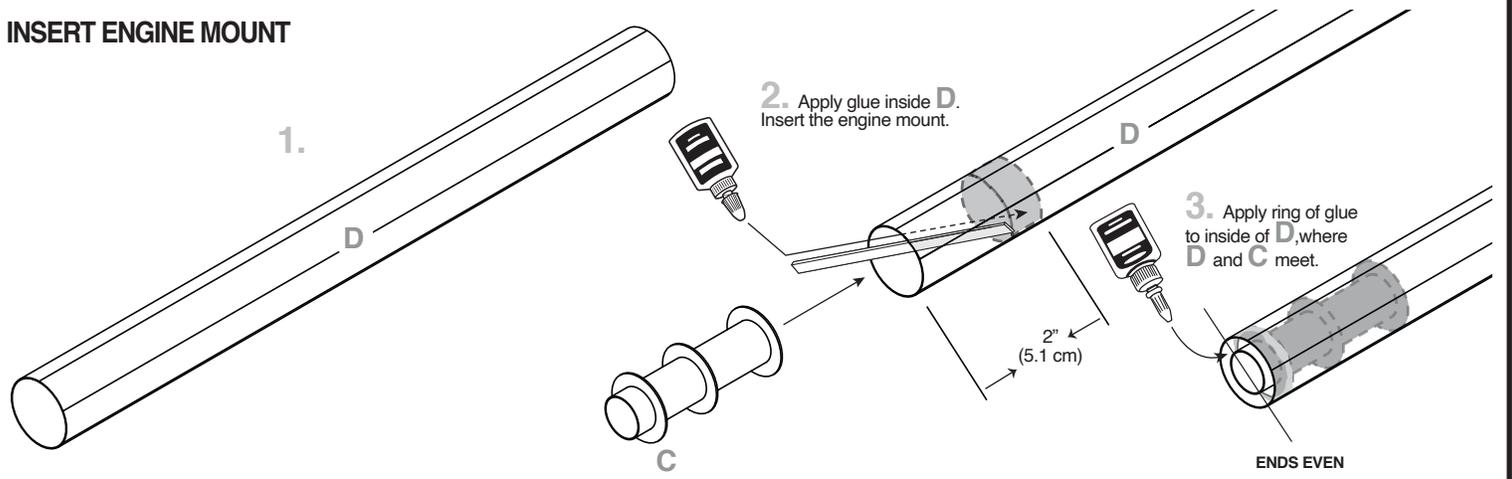
## ASSEMBLE ENGINE MOUNT



## MARK TUBE

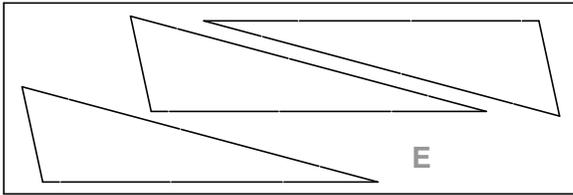
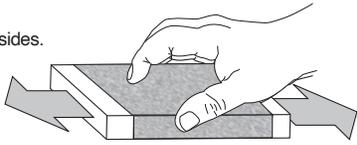


## INSERT ENGINE MOUNT

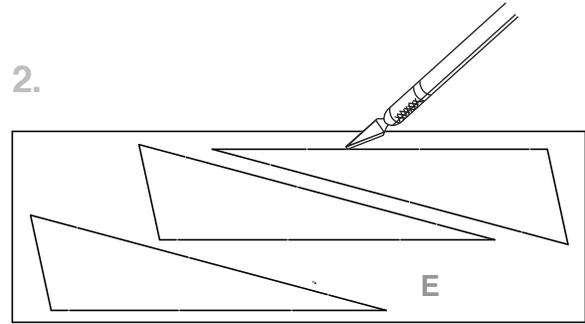


## PREPARE AND ATTACH FINS

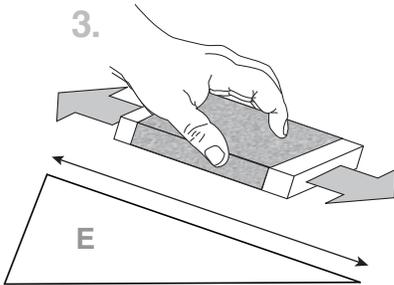
1. Sand both sides.



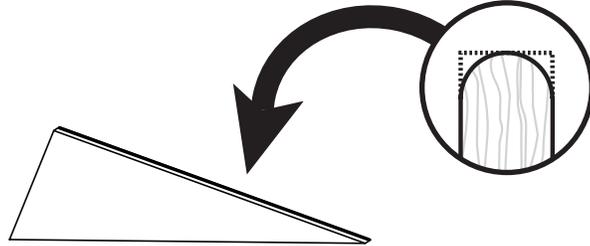
2.



3.

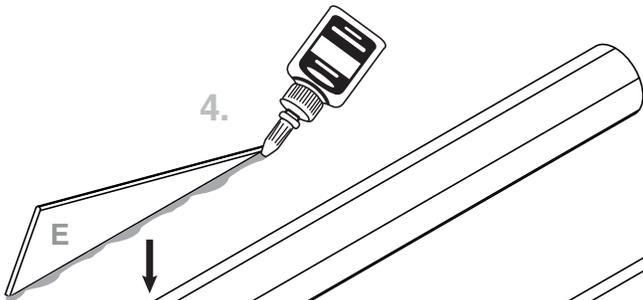


ROUND LEADING EDGE

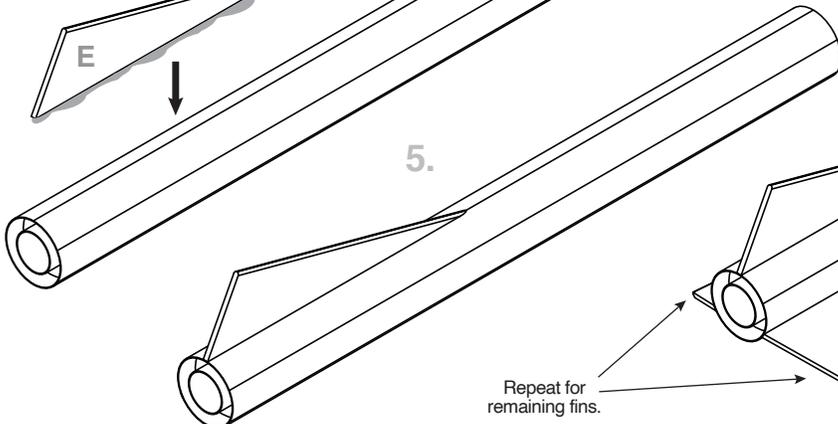


X3

4.



5.



6.

CHECK ALIGNMENT  
LET DRY

Repeat for  
remaining fins.

## INSTALL LAUNCH LUGS AND UPPER BODY TUBE

1. Cut **F** in half.

2.

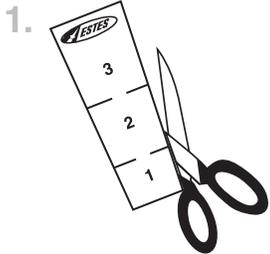
3. Mark middle of **G**.  
Insert to mark and let dry.

4.

5. Apply glue fillets to all joints.  
Smooth with finger.  
Let dry.

WRAP MASKING TAPE AROUND END OF **A** TO PROTECT SURFACE FROM PRIMER AND PAINT.

## INSTALL SHOCK CORD



2.

3.

4. Hold until set.

5. Apply glue to shock cord mount.

6. Glue shock cord mount to the inside of **D**.

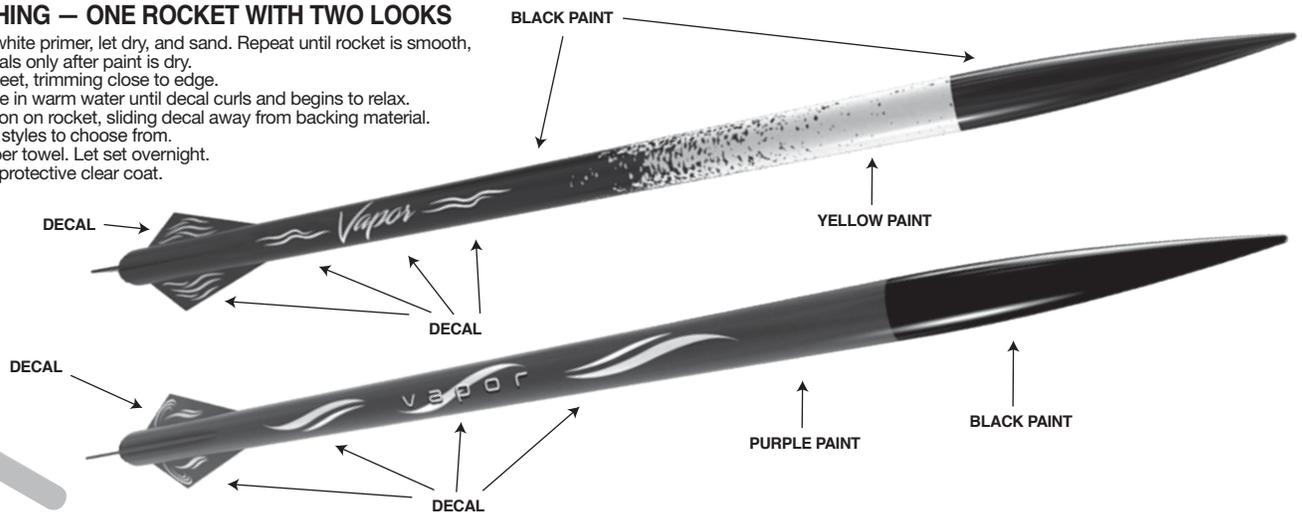
7. 1 1/2" (3.8 cm)

Use finger to hold until glue sets.

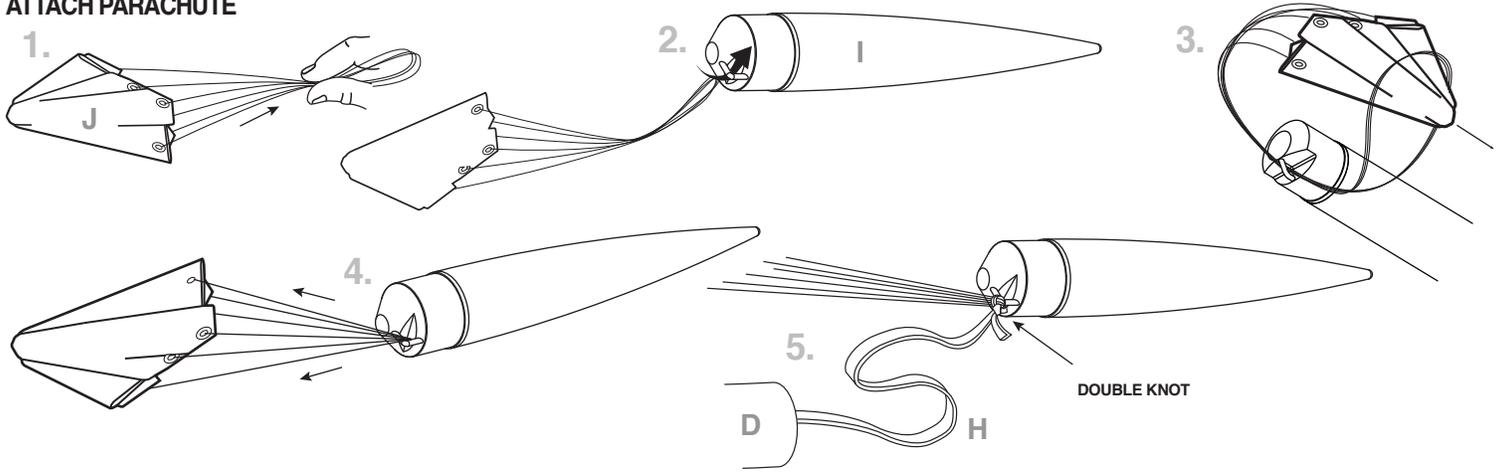
**NOTE:**  
Cut from page 1.

## ROCKET FINISHING — ONE ROCKET WITH TWO LOOKS

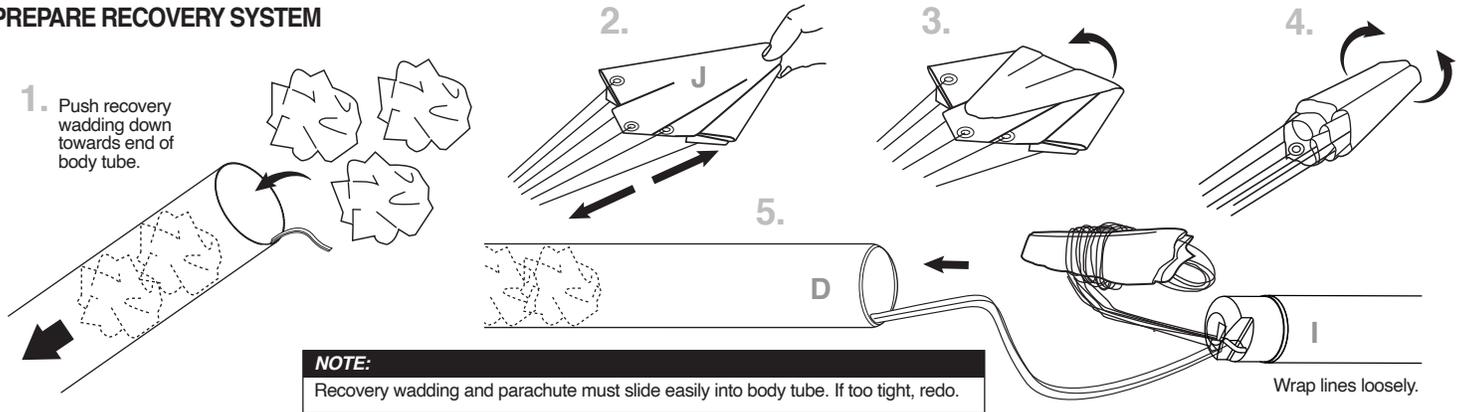
1. Spray rocket with white primer, let dry, and sand. Repeat until rocket is smooth, then paint. Apply decals only after paint is dry.
2. Cut decals from sheet, trimming close to edge.
3. One at a time, place in warm water until decal curls and begins to relax.
4. Remove and position on rocket, sliding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



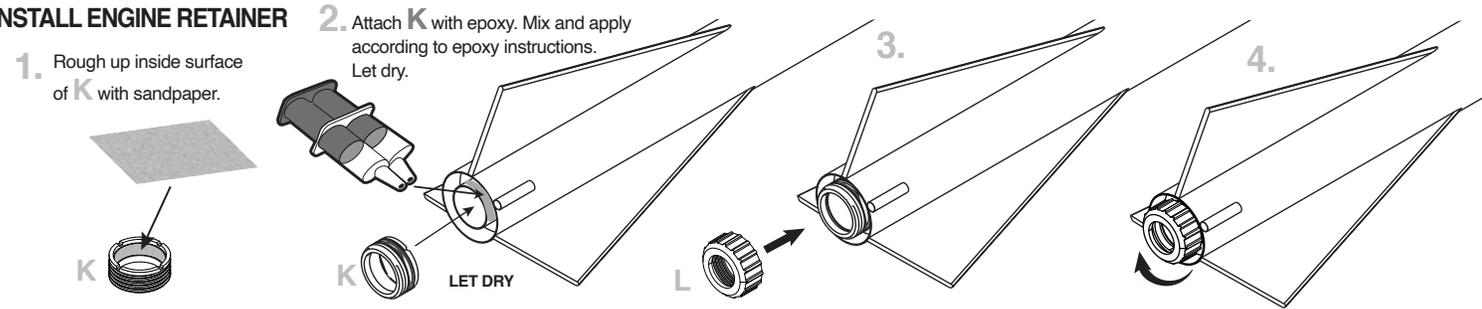
### ATTACH PARACHUTE



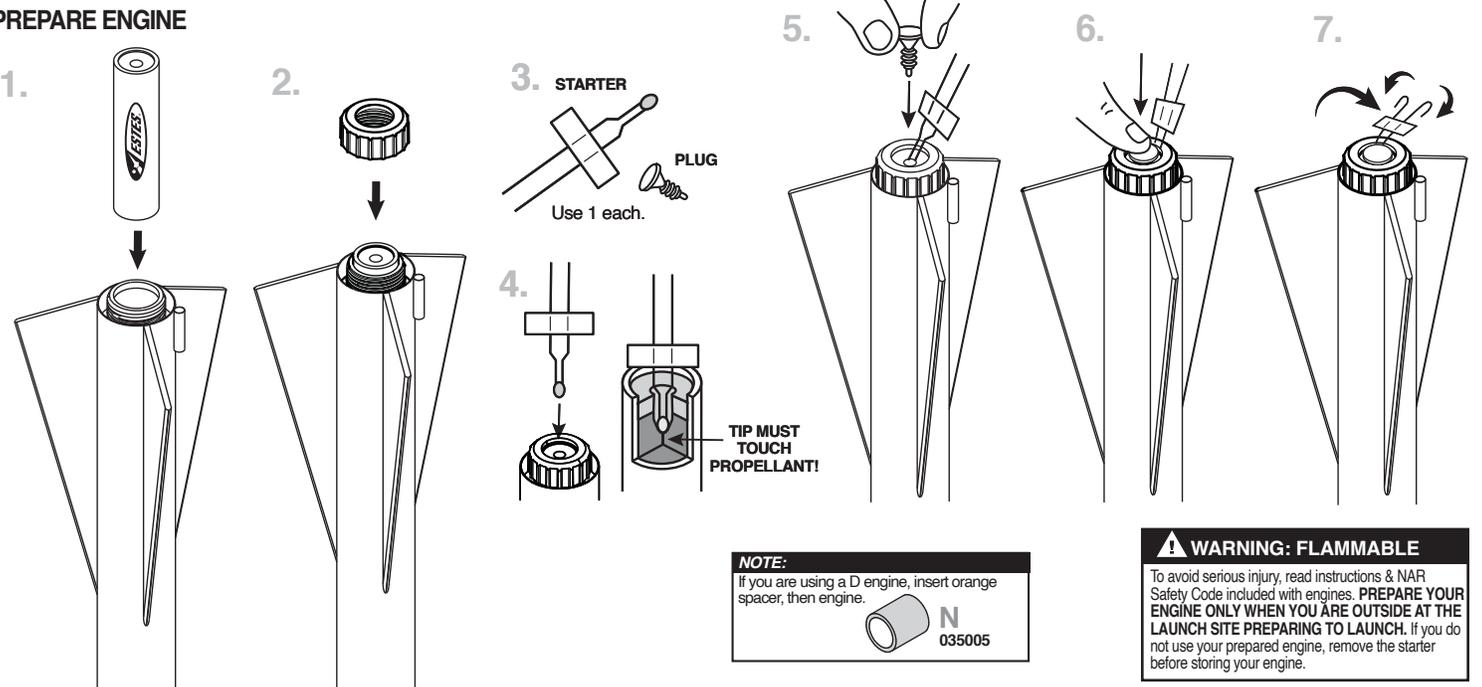
### PREPARE RECOVERY SYSTEM



### INSTALL ENGINE RETAINER



### PREPARE ENGINE



**NOTE:**  
If you are using a D engine, insert orange spacer, then engine.

**N**  
035005

**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.

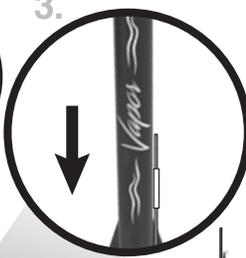
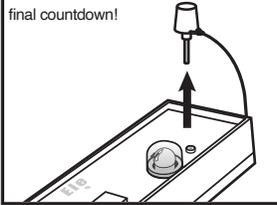
# COUNTDOWN AND LAUNCH

## ESTES® LAUNCH SUPPLIES NEEDED

- (Sold Separately)
- Porta-Pad® E Launch Pad
  - E Launch Controller or Pro Series II Launch Controller
  - Requires 3/16 in. (5 mm) Maxi™ Launch Rod
  - Recovery Wadding
  - Starters (with engines)
  - Plugs (with engines)
  - Estes® Engines: D12-5 (first launch), E12-6

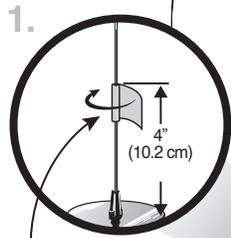
**NOTE:**

Key always out until final countdown!

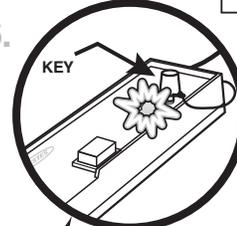


**NOTE:**

Fully extend your launch controller wire before launching.



MASKING TAPE



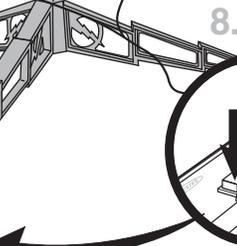
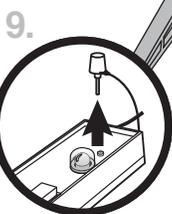
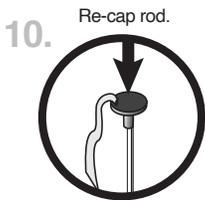
Insert key, push down hard. Bulb will light.



**NOTE:**

Estimated weight: 3.5 oz. (99.2 g)

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



## 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 (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.

