0661

ESAM-58™

EstesRockets.com



MODEL ROCKET INSTRUCTIONS

KEEP FOR FUTURE REFERENCE

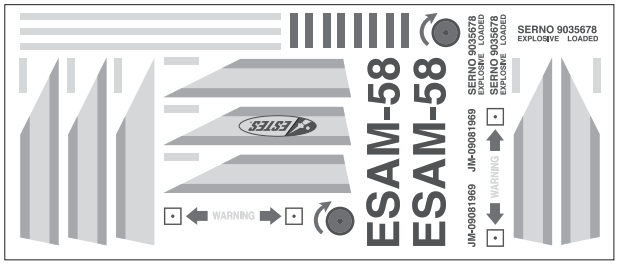
IMPORTANT: Please record date found on decal and keep for future reference. _____

Read all instructions. *Make sure you have all parts and supplies. Test fit all parts before applying glue. Product color and shape may vary.*

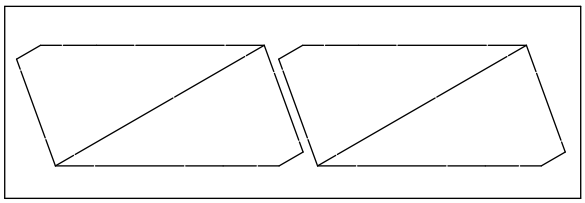
SUPPLIES



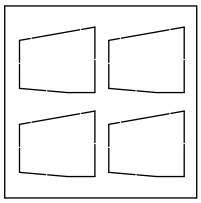
SCISSORS | PENCIL | RULER | FINE SANDPAPER | YELLOW GLUE | HOBBY KNIFE | MASKING TAPE | PRIMER (WHITE) | PAINT (RED, GRAY) | CLEAR COAT (OPTIONAL) | PLASTIC CEMENT | CLEAR TAPE



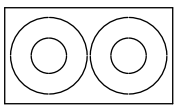
090001-0661
Decal sheet



F **090051-0661A**
Laser cut wood sheet



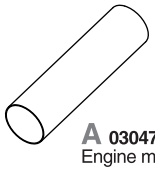
E **090051-0661B**
Laser cut wood sheet



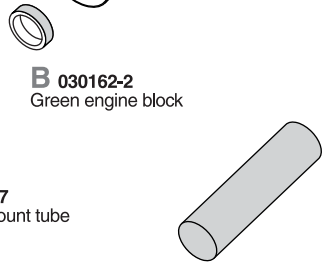
C **090052-0661**
Laser cut card stock



I **072421/422**
Engine retainer set



A **030477**
Engine mount tube



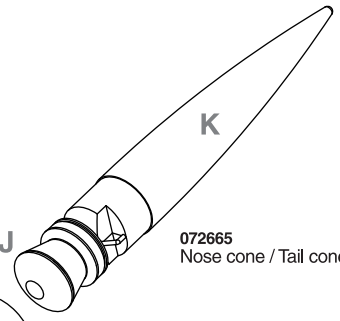
B **030162-2**
Green engine block

D **030396**
Main body tube

H **035003**
Yellow spacer tool



G **038176**
Launch lug

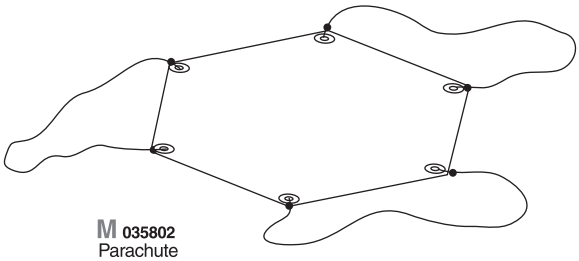


J **072665**
Nose cone / Tail cone

K



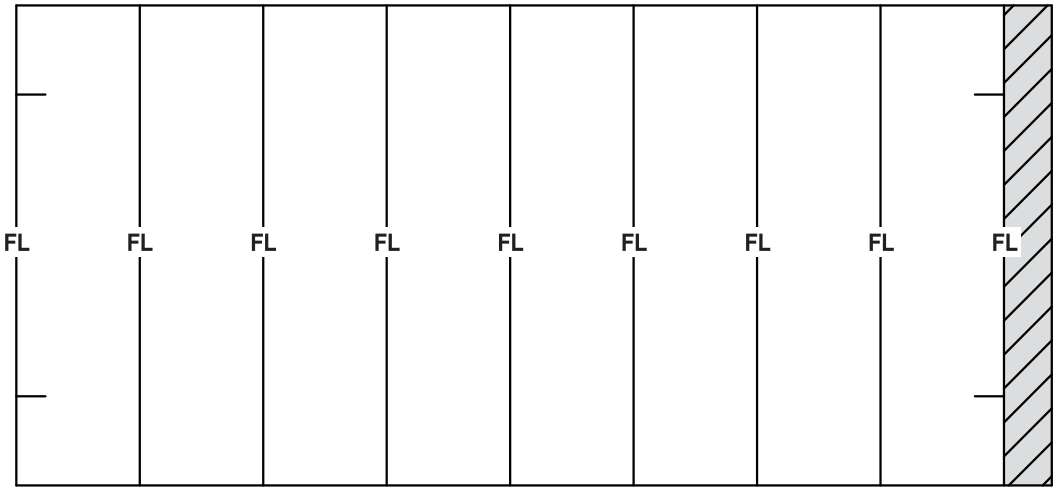
L **038363**
Shock cord

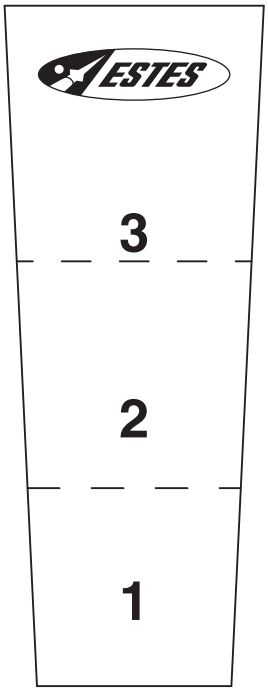


M **035802**
Parachute

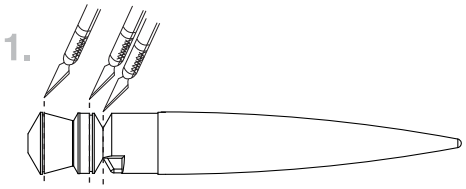
TUBE MARKING GUIDE & SHOCK CORD MOUNT

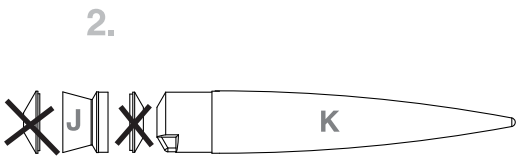
Make a copy if you want to keep instructions.





PREPARE NOSE CONE

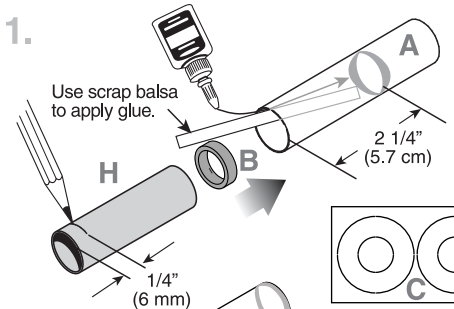


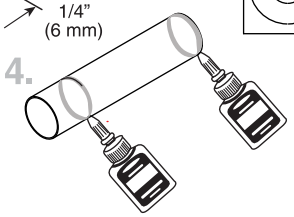


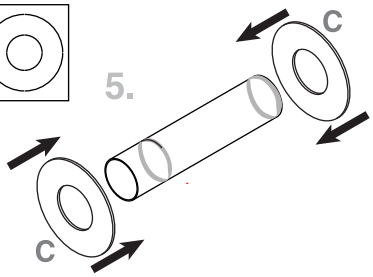


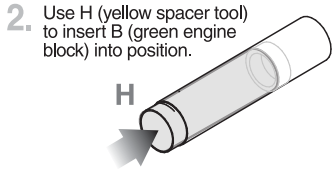
NOTE:
Do not cut off eyelet.

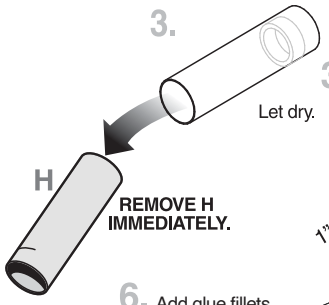
ASSEMBLE ENGINE MOUNT

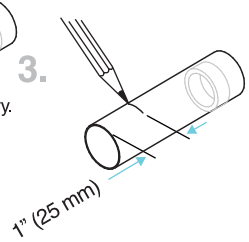




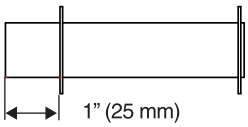






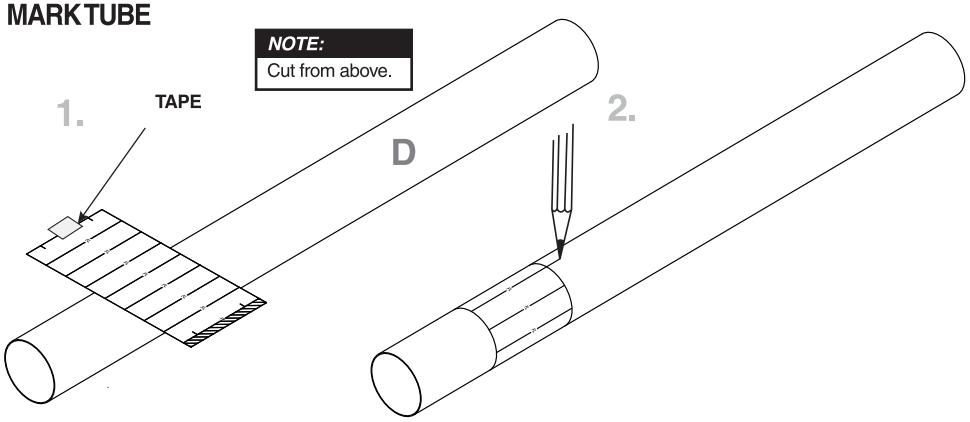


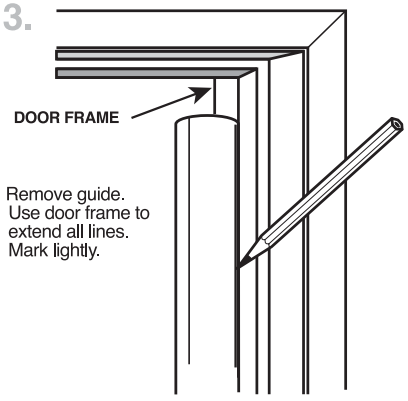




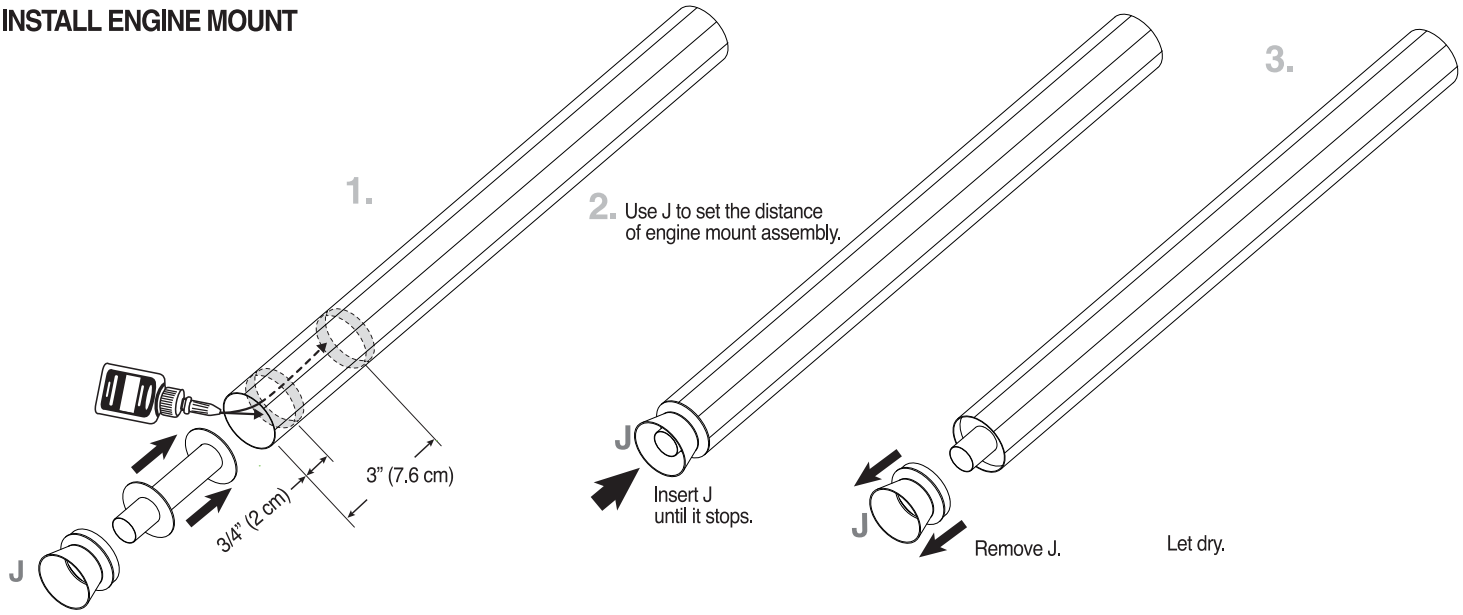
MARK TUBE

NOTE:
Cut from above.

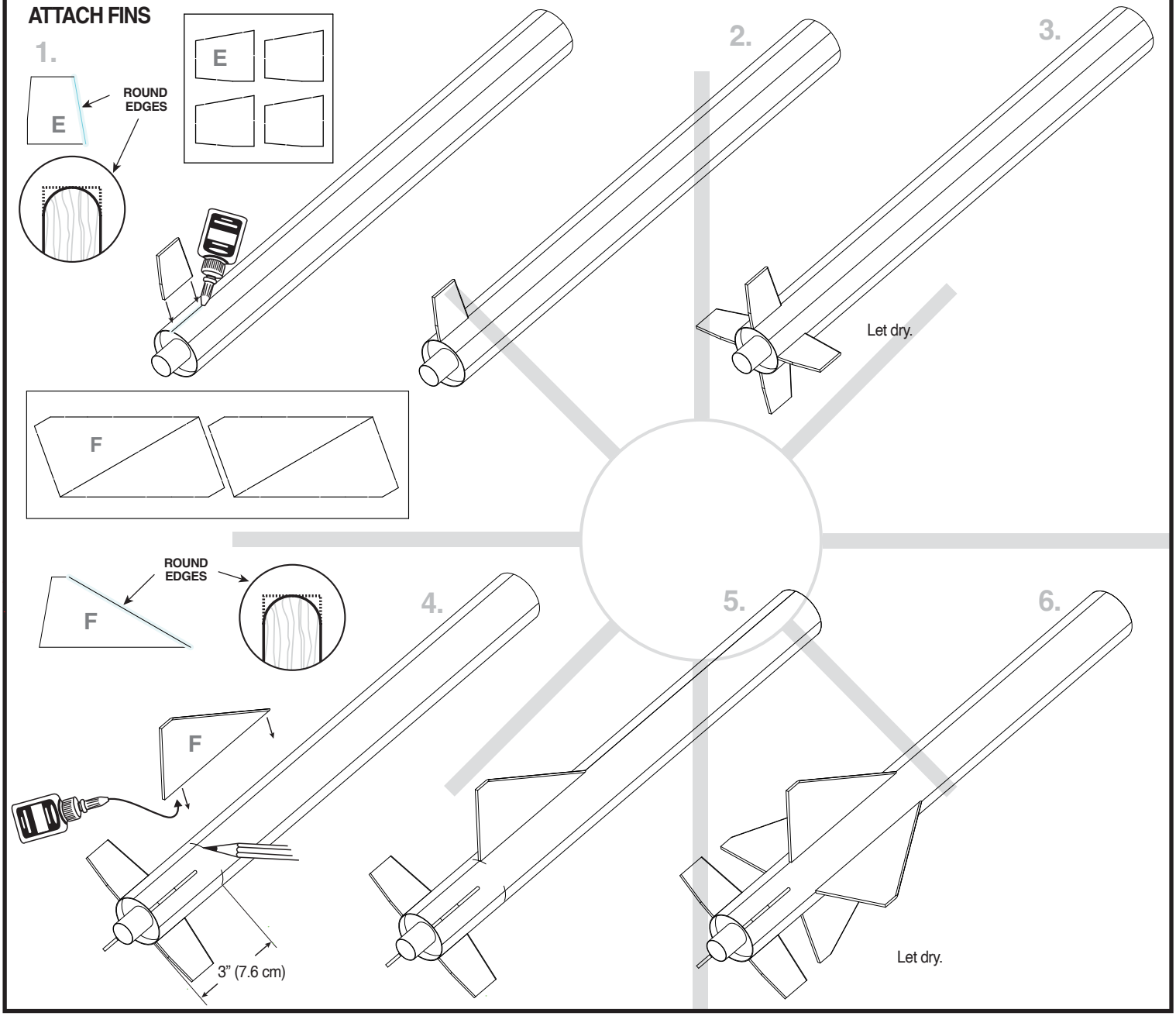




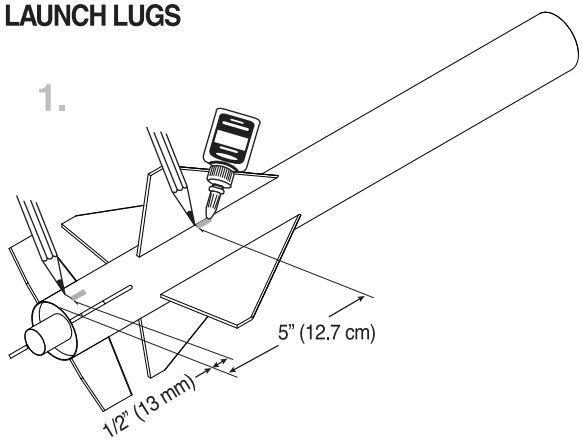
INSTALL ENGINE MOUNT

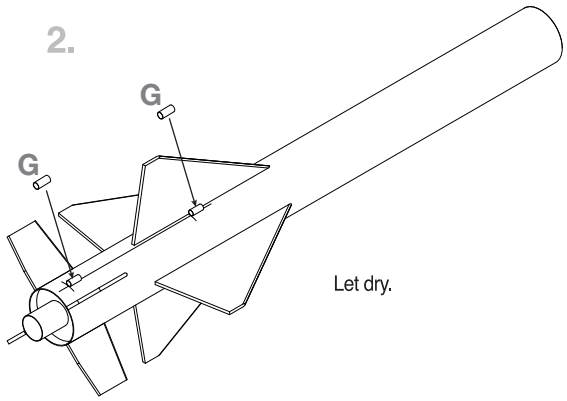


ATTACH FINS

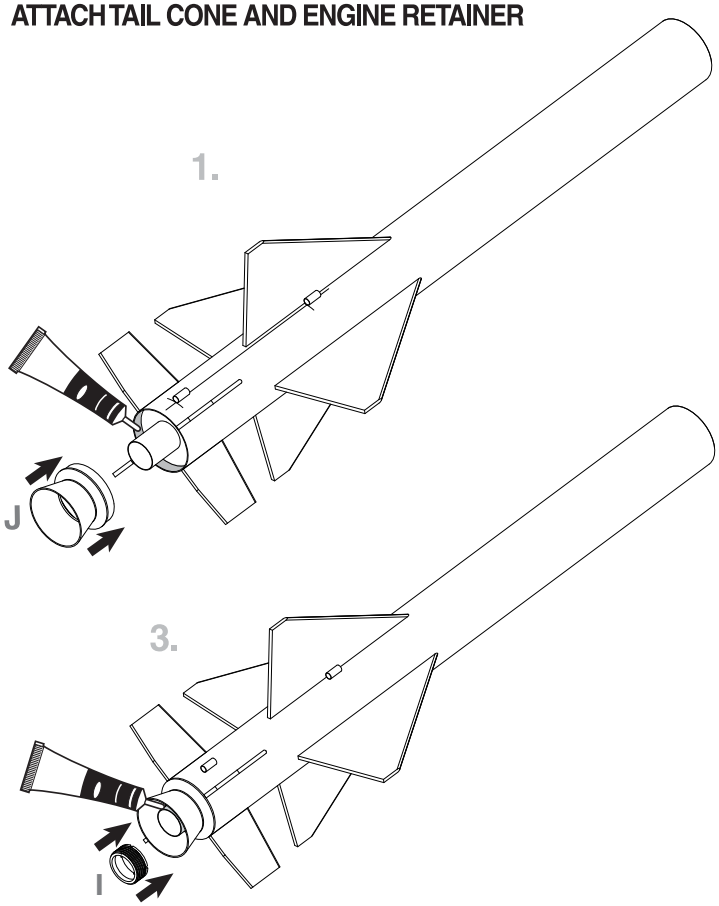


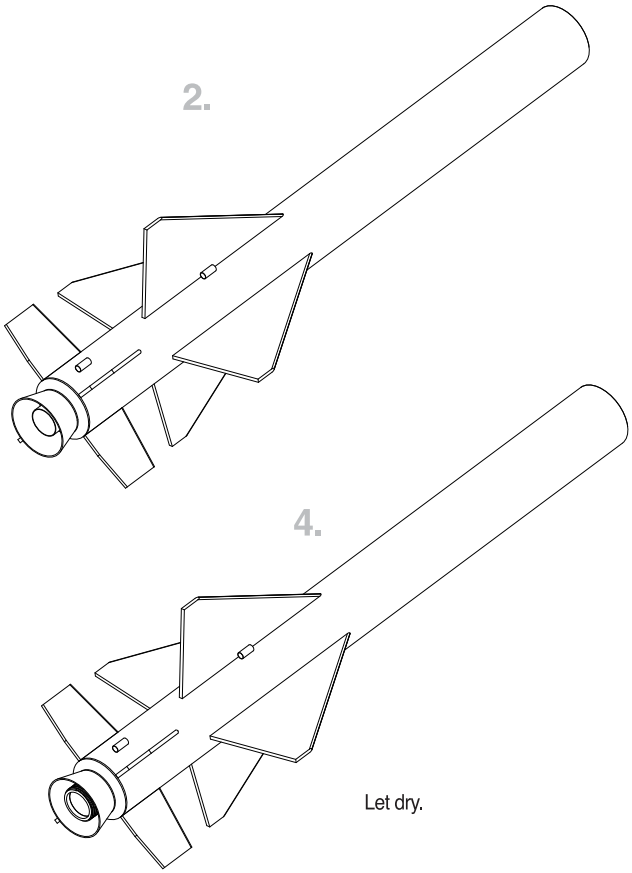
ATTACH LAUNCH LUGS





ATTACH TAIL CONE AND ENGINE RETAINER





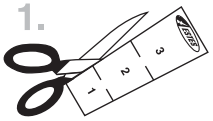
ROCKET FINISHING

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.



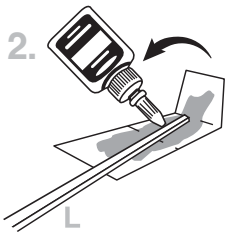
INSTALL SHOCK CORD

1.

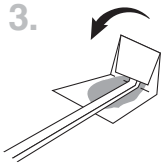


NOTE:
Cut from page 2.

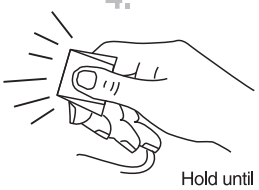
2.



3.

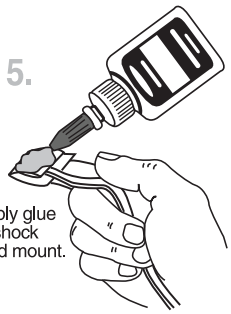


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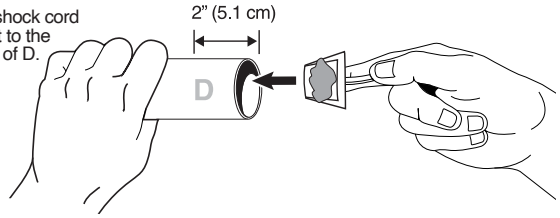
Hold until set.

5.

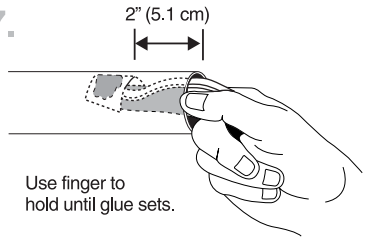


Apply glue to shock cord mount.

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

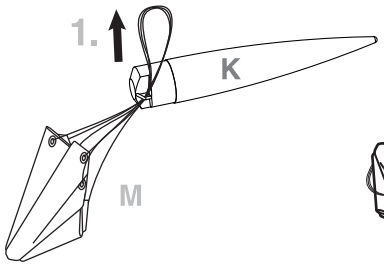


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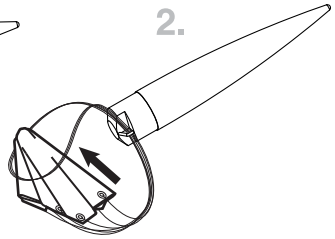


PREPARE RECOVERY SYSTEM

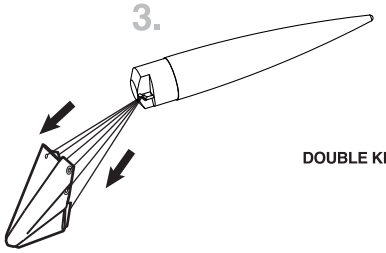
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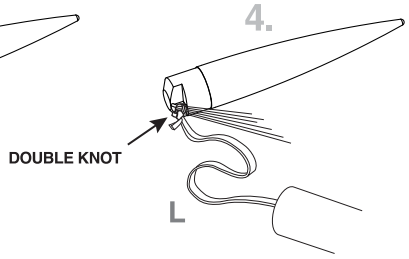
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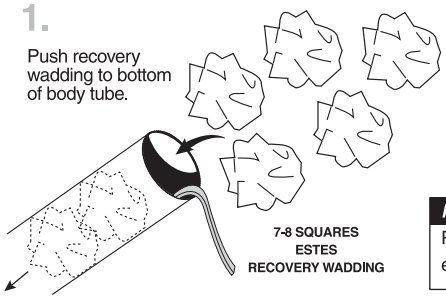


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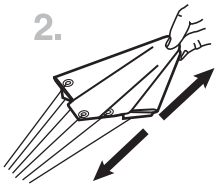


PREPARE FLIGHT RECOVERY

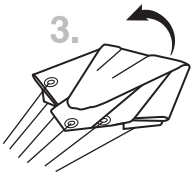
1. Push recovery wadding to bottom of body tube.



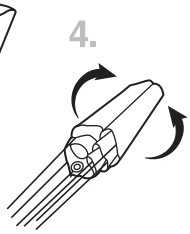
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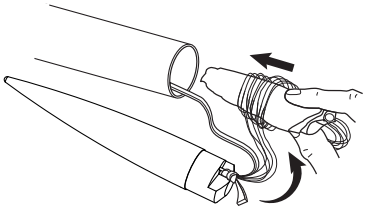
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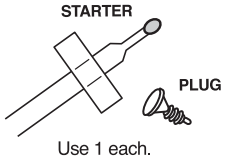


5. Wrap lines loosely.



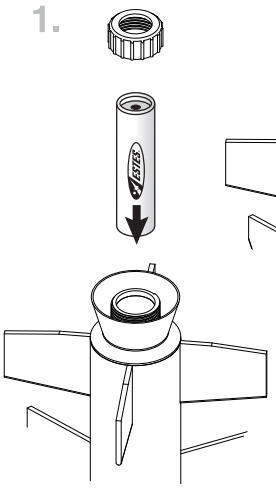
NOTE:
Recovery wadding and parachute must slide easily into body tube. If too tight, redo.

PREPARE ENGINE

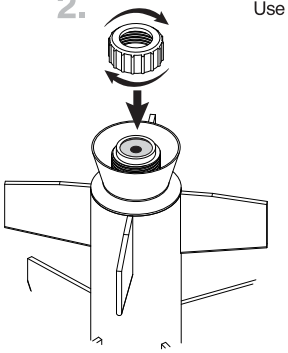


Use 1 each.

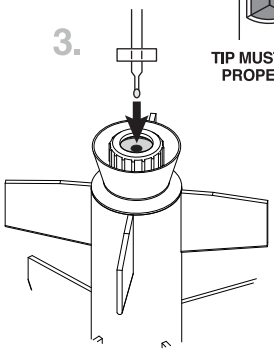
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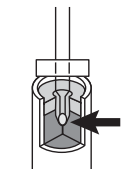


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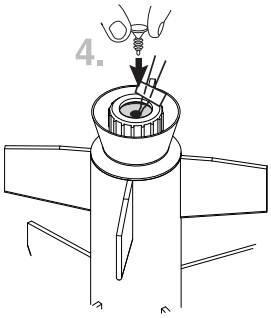


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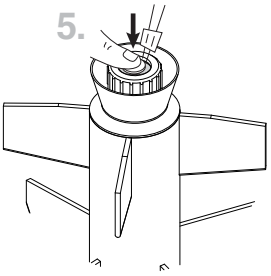




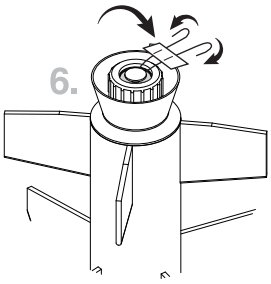
4.



5.



6.

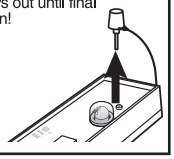


⚠ WARNING: FLAMMABLE

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.

FLIGHT SEQUENCE

NOTE:
Key always out until final countdown!



NOTE:
Estimated weight: 3.1 oz (87.8 g)

ESTES® LAUNCH SUPPLIES NEEDED
(Sold Separately)
- 3/16" (5 mm) Maxi™ Launch Rod
- Launch Controller
- Recovery Wadding
- Starters (with engines)
- Plugs (with engines)
- Estes® Engines: B6-4 (first launch), C6-5

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 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.

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22 PAP
PN 090004-0661 (7-19)