3223

Xarconian Cruiser

EstesRockets.com



AGES 10+

Skill Level

EXPERT

MODEL ROCKET INSTRUCTIONS

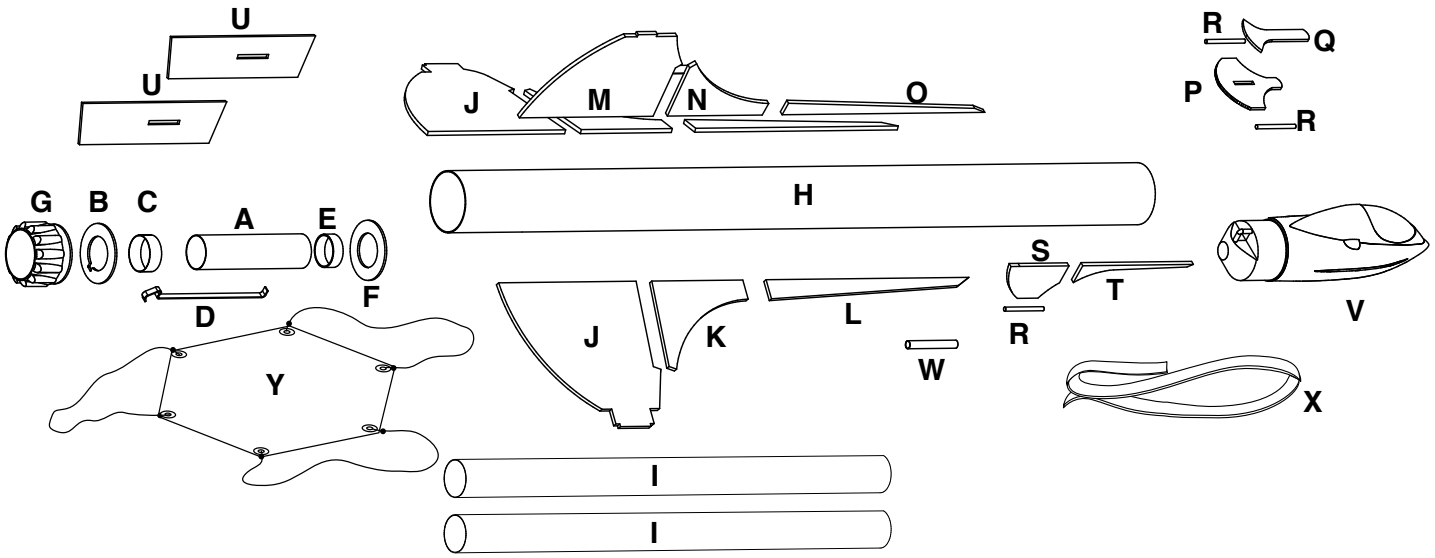
KEEP FOR FUTURE REFERENCE

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

⚠ CAUTION: *May not apply to all kits. For safe handling of plastic cement, epoxy, spray adhesive, CA glue, CA accelerator, paint/finishing materials, see manufacturer's warnings and follow instructions for use. To avoid injury, use extreme caution when using hobby knife, scissors, drills, and any cutting tools.*

SUPPLIES

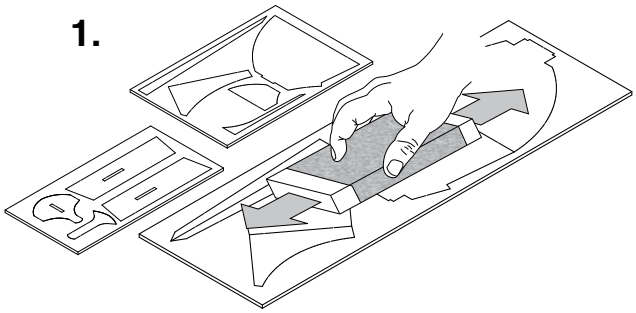




Part	Qty	Description	Part Number
A	1	Engine Mount Tube	030408
B	1	Notched Centering Ring	030125
C	1	Mylar Engine Hook Retainer Ring	030168
D	1	Engine Hook	035021
E	1	Engine Block	030162-2
F	1	Centering Ring	030125
G	1	Tail Cone	072690
H	1	BT55 Body Tube 18" (45.7 cm)	030382
I	2	1090 Body Tube 11" (27.9 cm)	031366
J - L	2 ea	Laser Cut Fin Pieces	066387
M - O	1 ea	Laser Cut Fin Pieces	066388
P - Q	1 ea	Laser Cut Pieces	066393
R	1	Wood Dowel	032062
S - T	1 ea	Laser Cut Fin Pieces	066388
U	2	Laser Cut Pieces	066393
V	1	Plastic Nose Cone	072689
W	1	Launch Lug	038166
X	1	Shock Cord	038369
Y	1	Parachute	035802
	2	Waterslide Decals - not shown	090001-3223A 090001-3223B

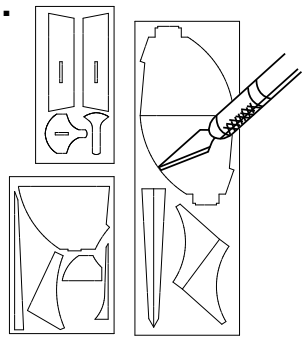
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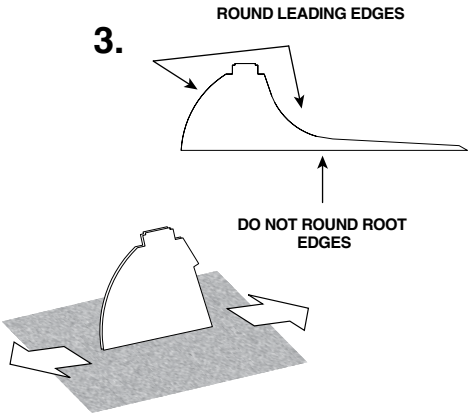


Sand both sides.

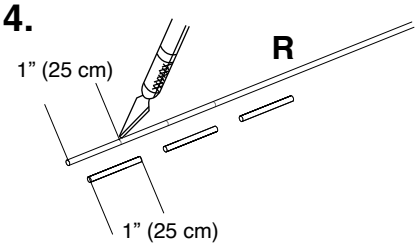
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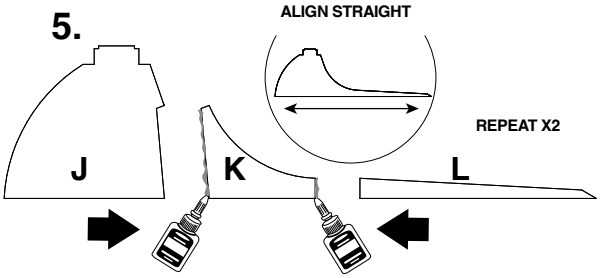
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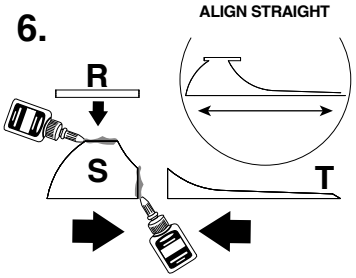
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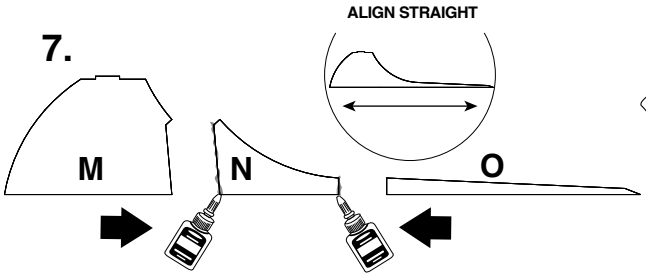
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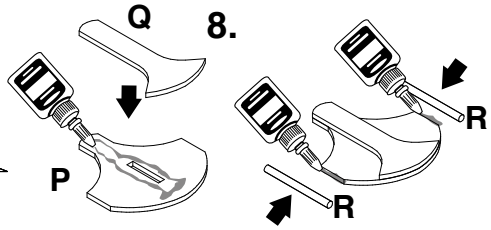
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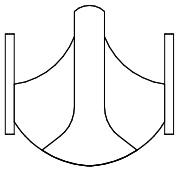
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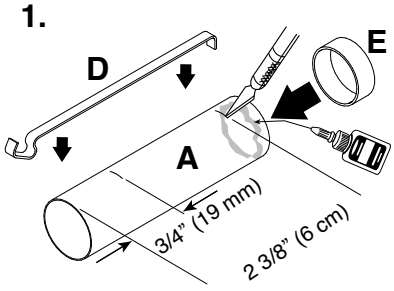
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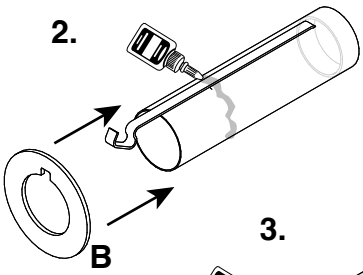
Let dry.

ASSEMBLE ENGINE MOUNT

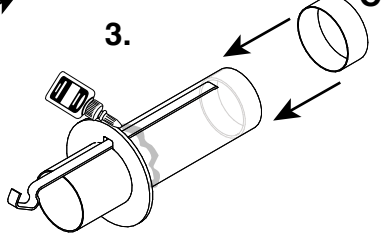
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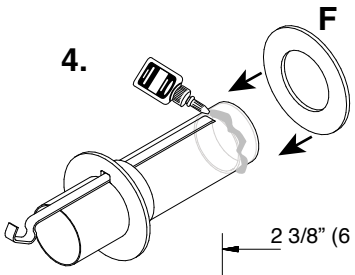
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3.

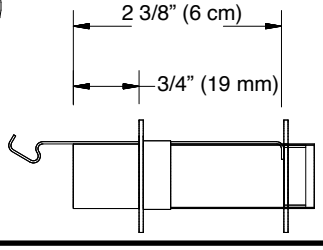


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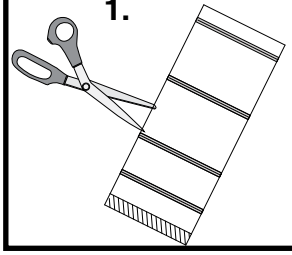
Let dry.

5.

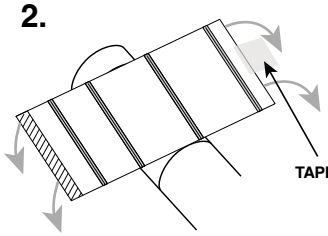


TUBE MARKING

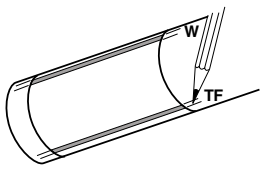
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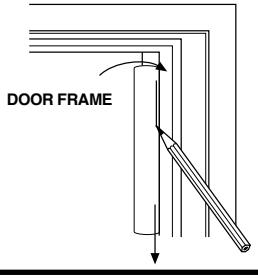


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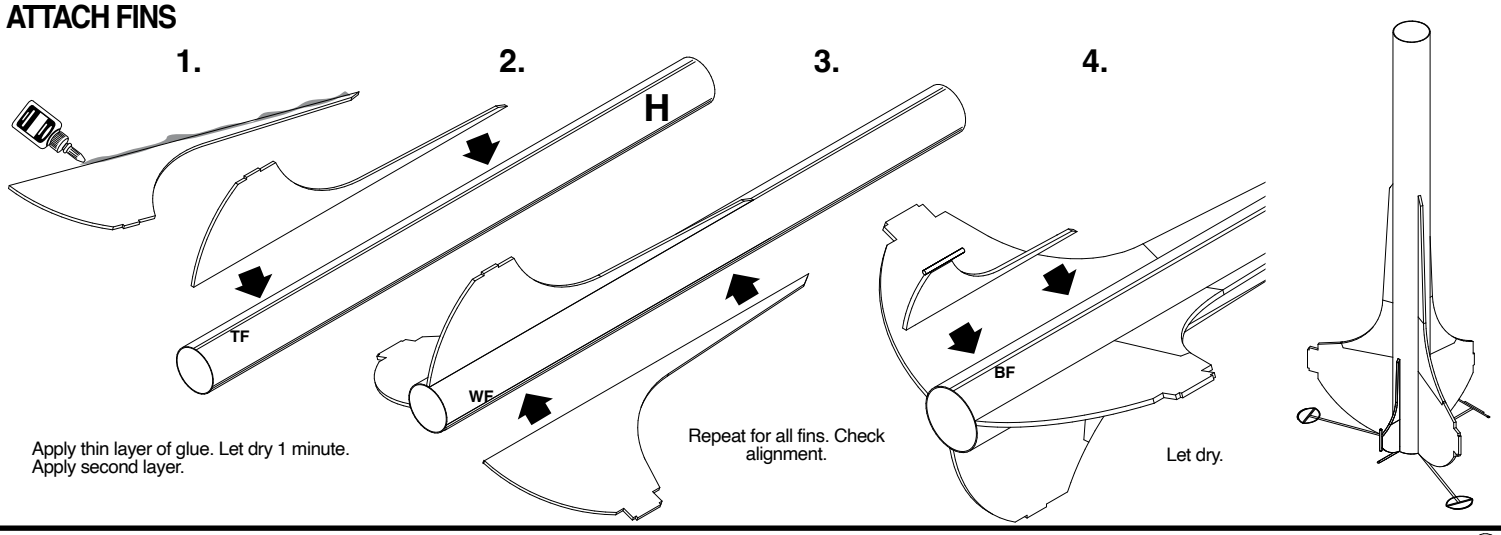
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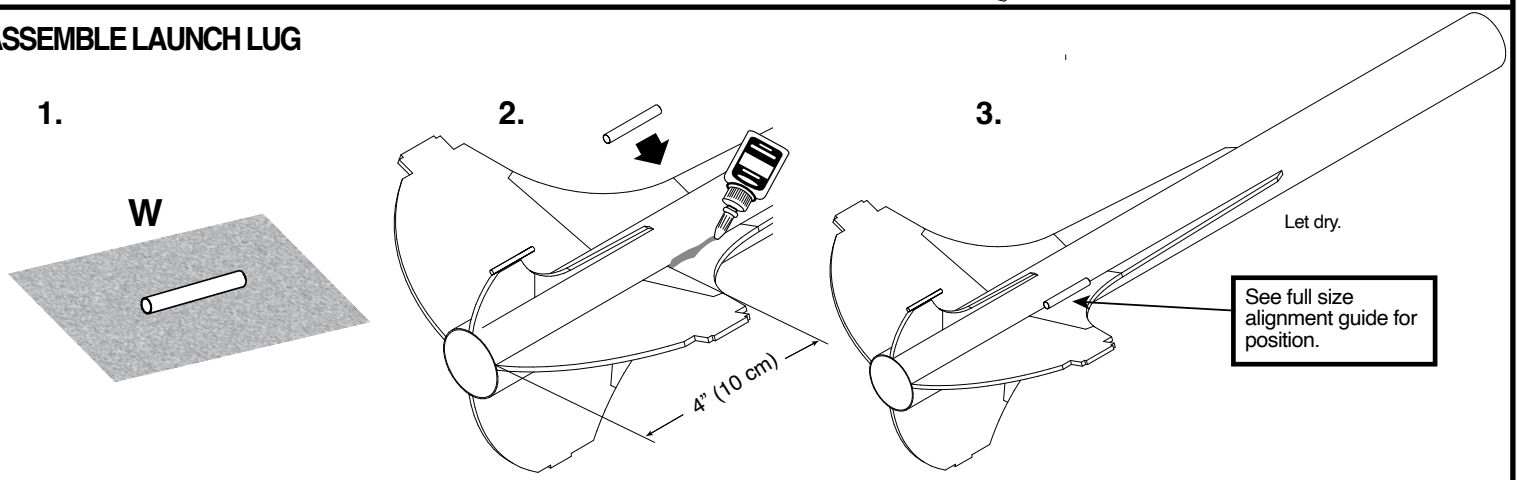


Remove guide. Use a door frame to extend all lines.

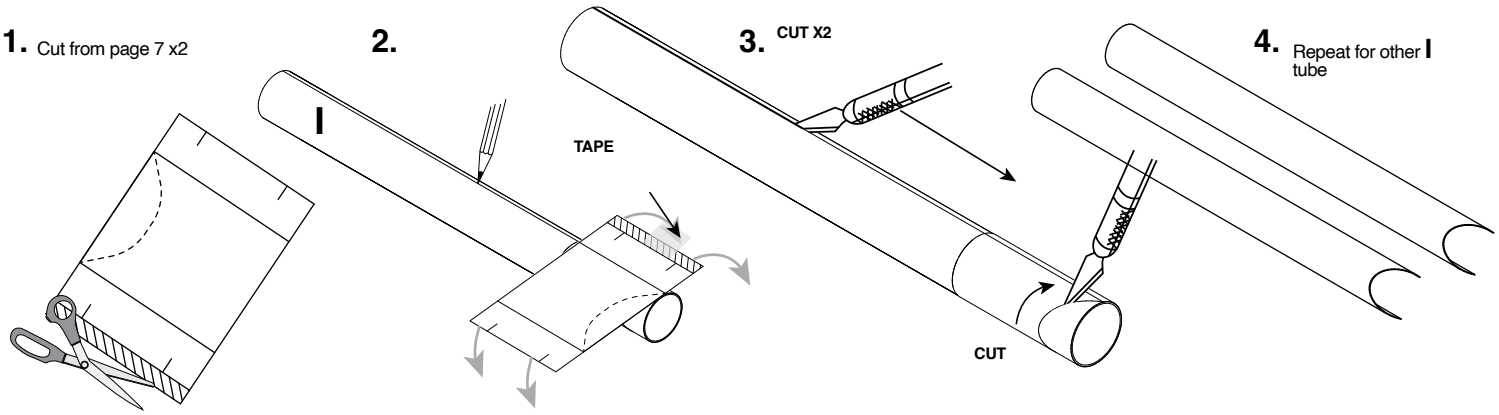
ATTACH FINS

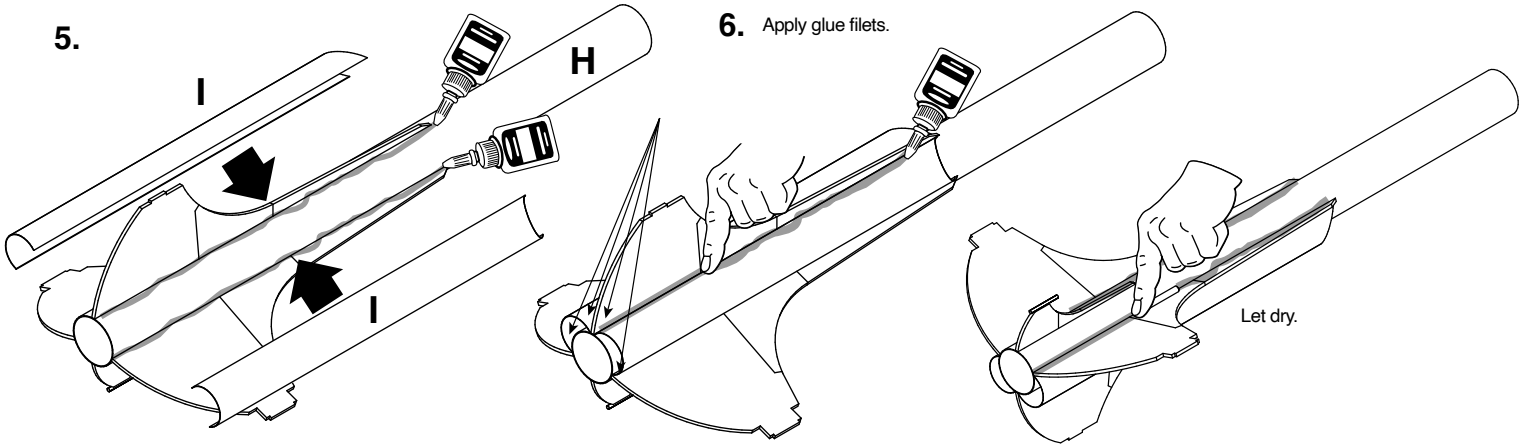


ASSEMBLE LAUNCH LUG

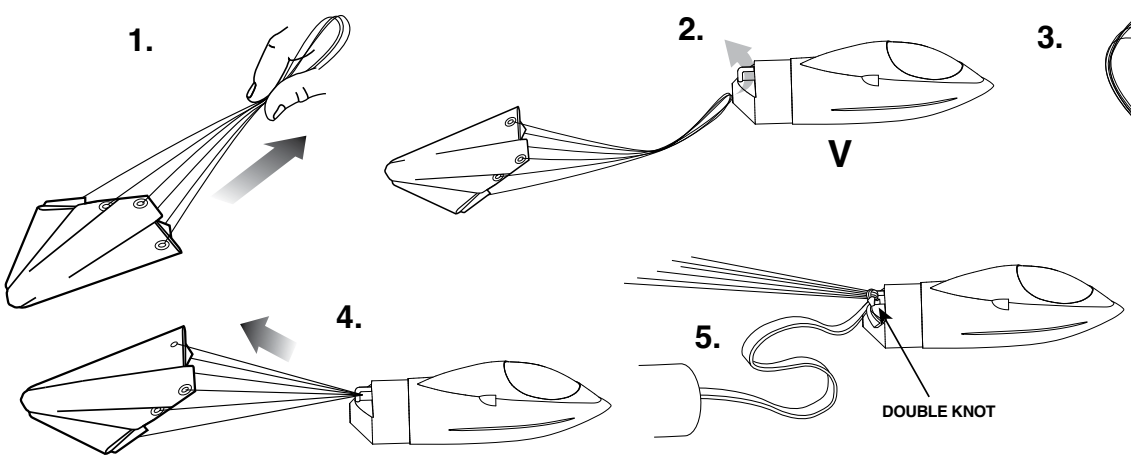


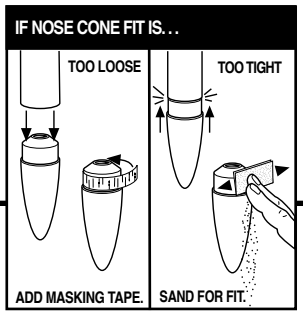
BUILD INTAKE



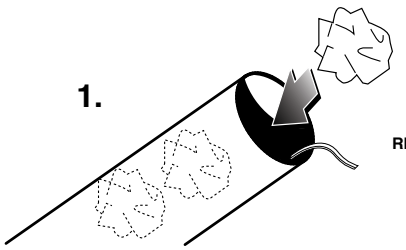


PREPARE RECOVERY SYSTEM

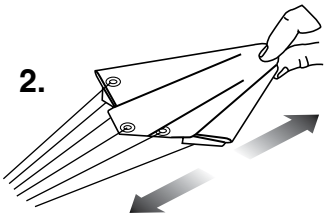


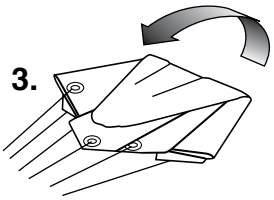


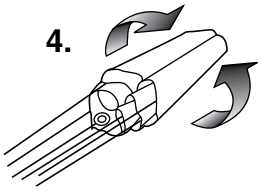
PREPARE FLIGHT RECOVERY



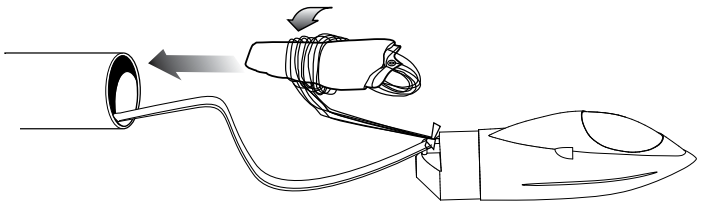
5-6 SQUARES ESTES® RECOVERY WADDING







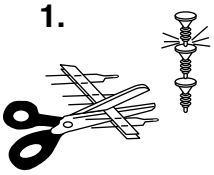
5. Wrap lines loosely around parachute.

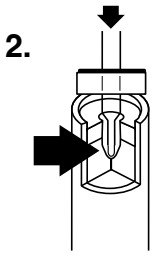


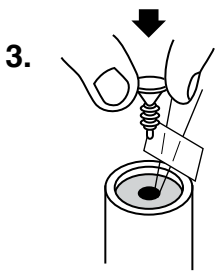
NOTE:

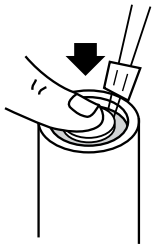
Recovery wadding and parachute must slide easily into body tube. If it's too tight, redo.

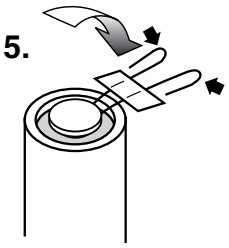
PREPARE ENGINE

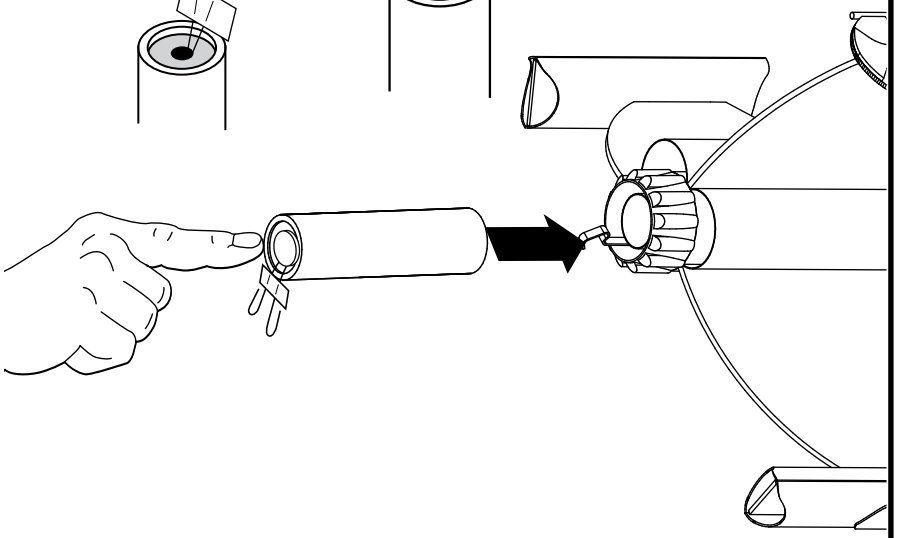








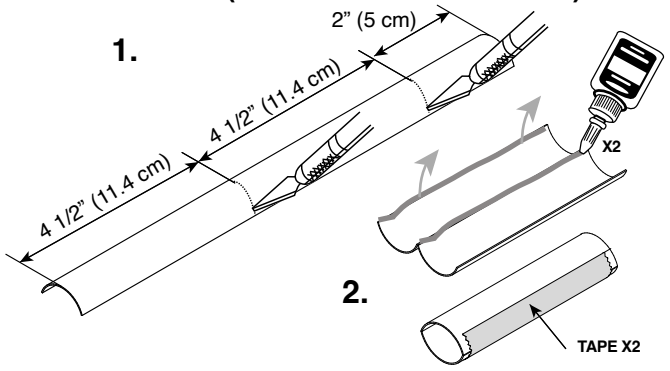


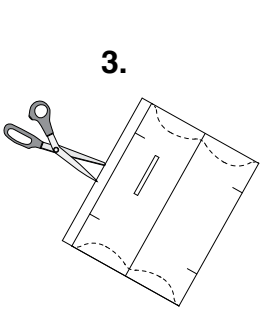


⚠ WARNING: FLAMMABLE

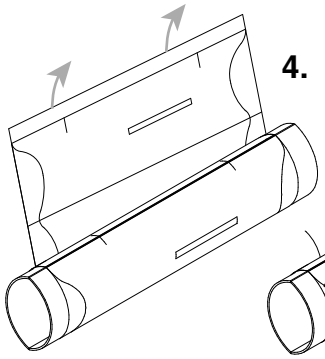
To avoid serious injury, read instructions & NAR Safety Code included with engines. **PREPARE YOUR ENGINE ONLY WHEN YOU ARE OUTSIDE AT THE LAUNCH SITE PREPARING TO LAUNCH.** If you do not use your prepared engine, remove the starter before storing your engine.

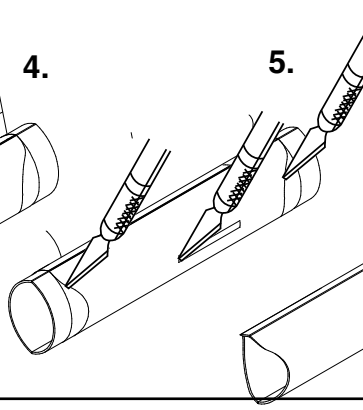
ASSEMBLE POD (MADE FROM LEFT OVER I)



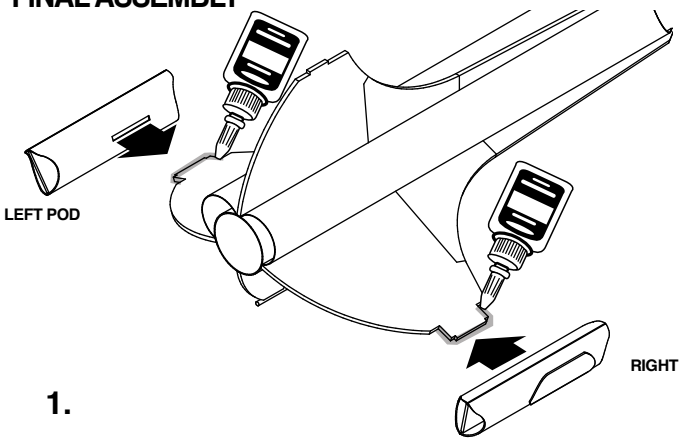


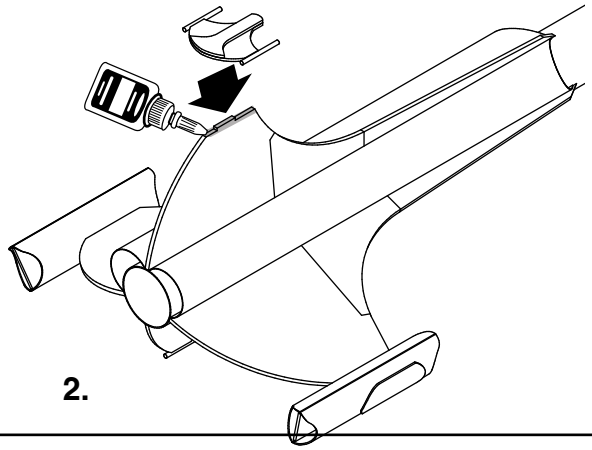
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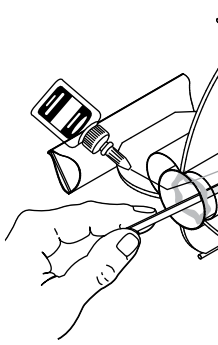




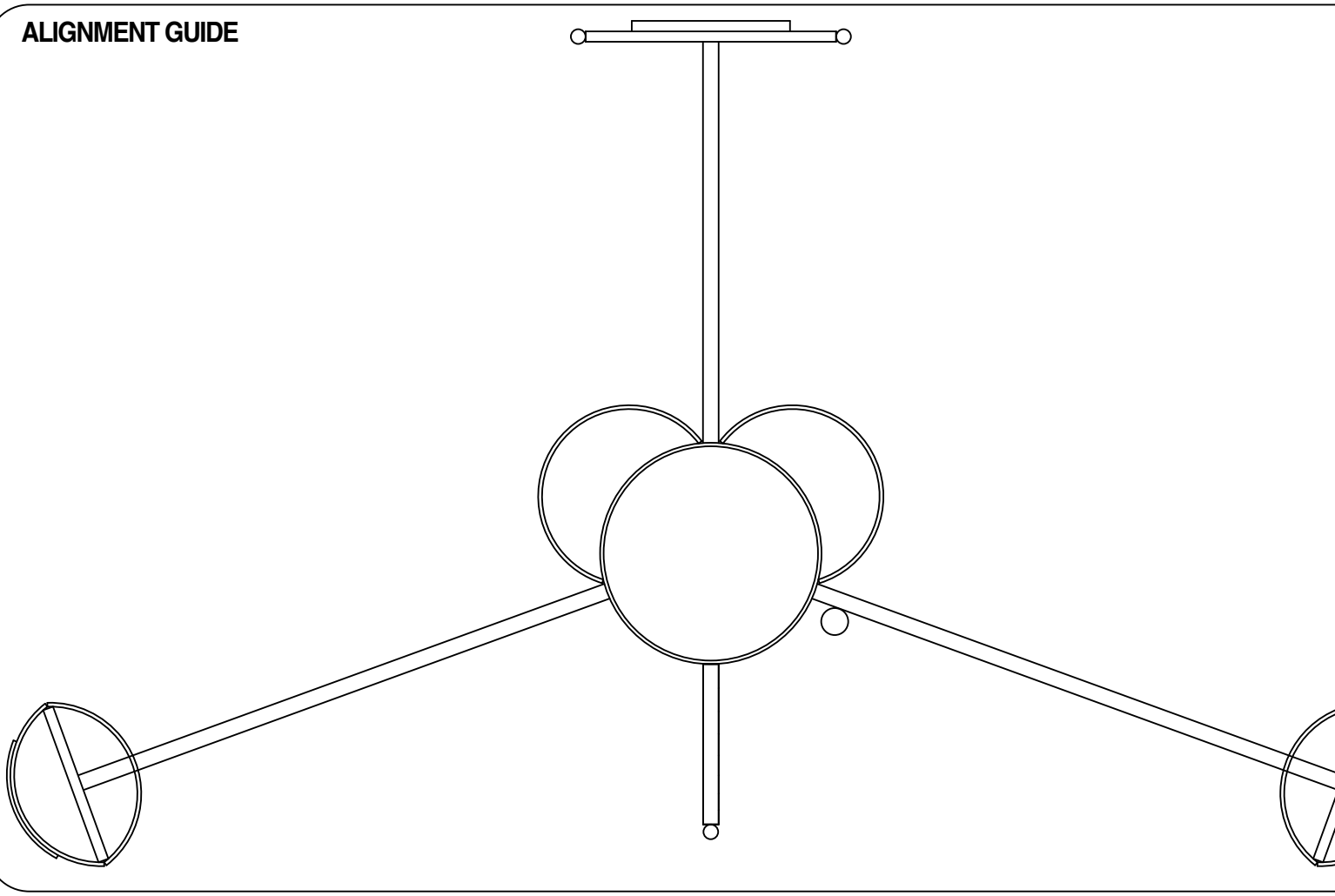
FINAL ASSEMBLY

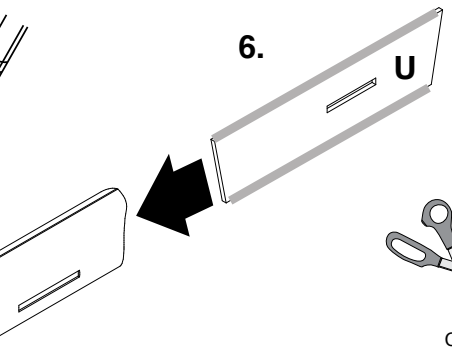






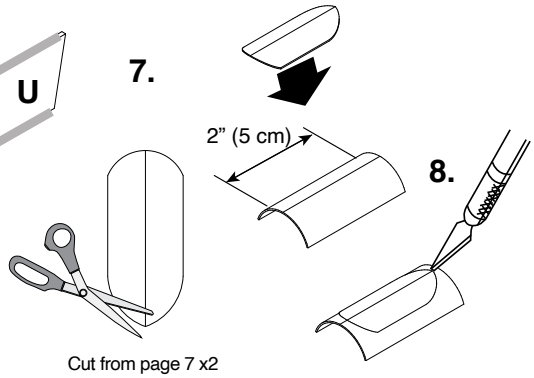
ALIGNMENT GUIDE





6.

U

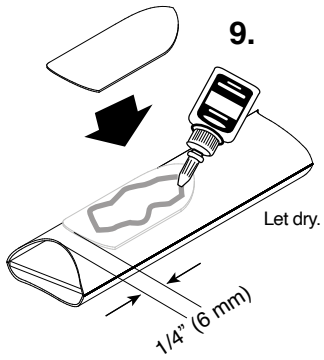


7.

2” (5 cm)

8.

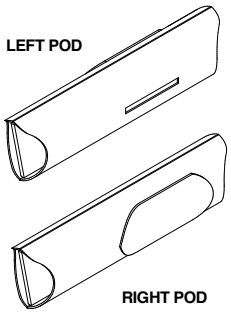
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9.

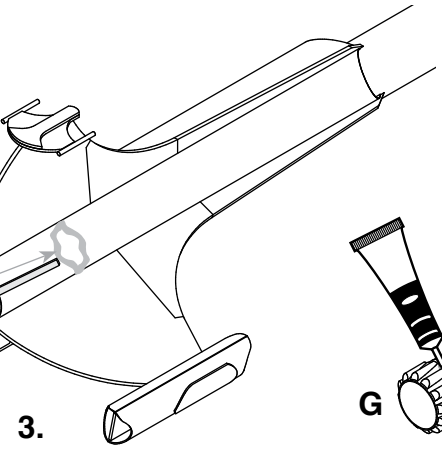
Let dry.

1/4” (6 mm)



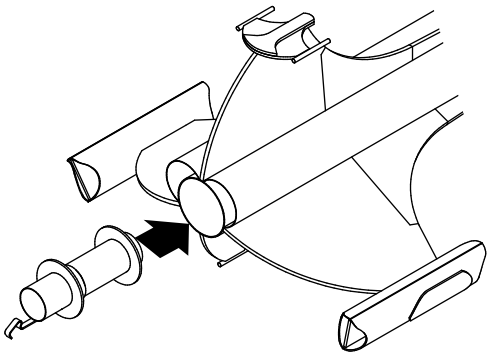
LEFT POD

RIGHT POD

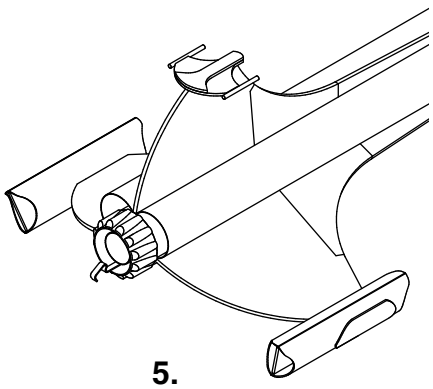


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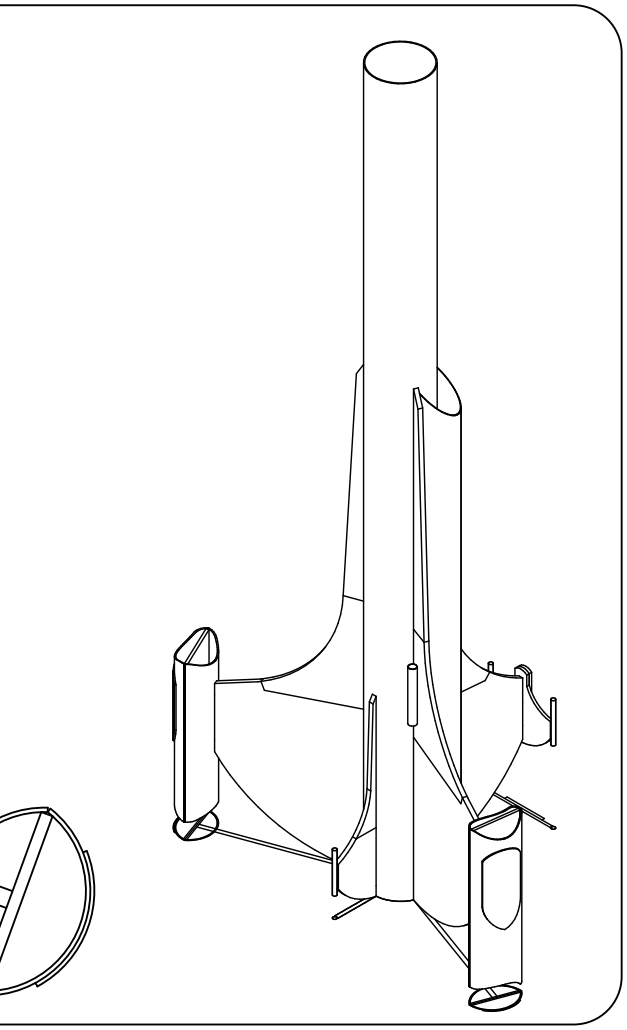
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4.

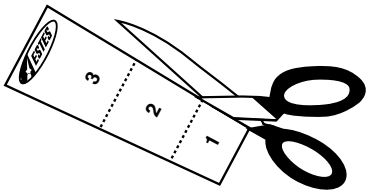


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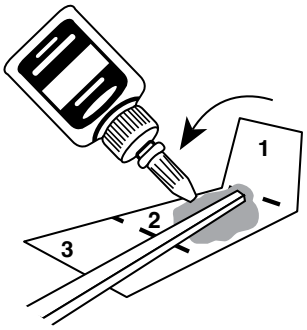


ATTACH SHOCK CORD

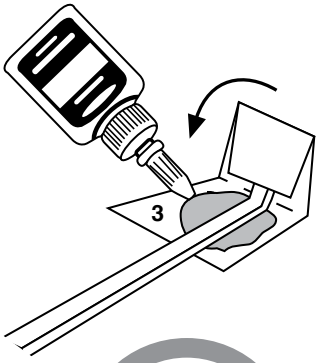
1.

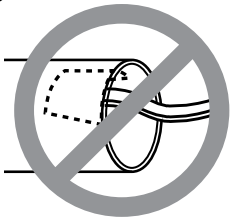


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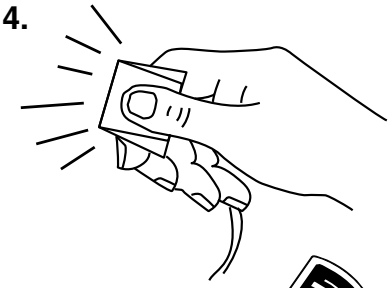


3.



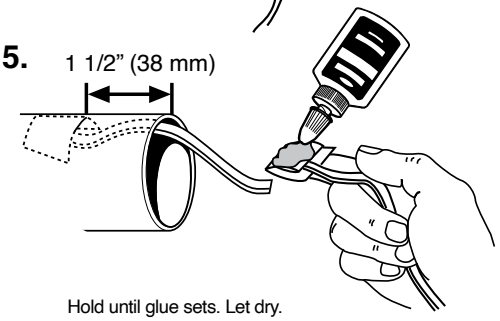


4.



5.

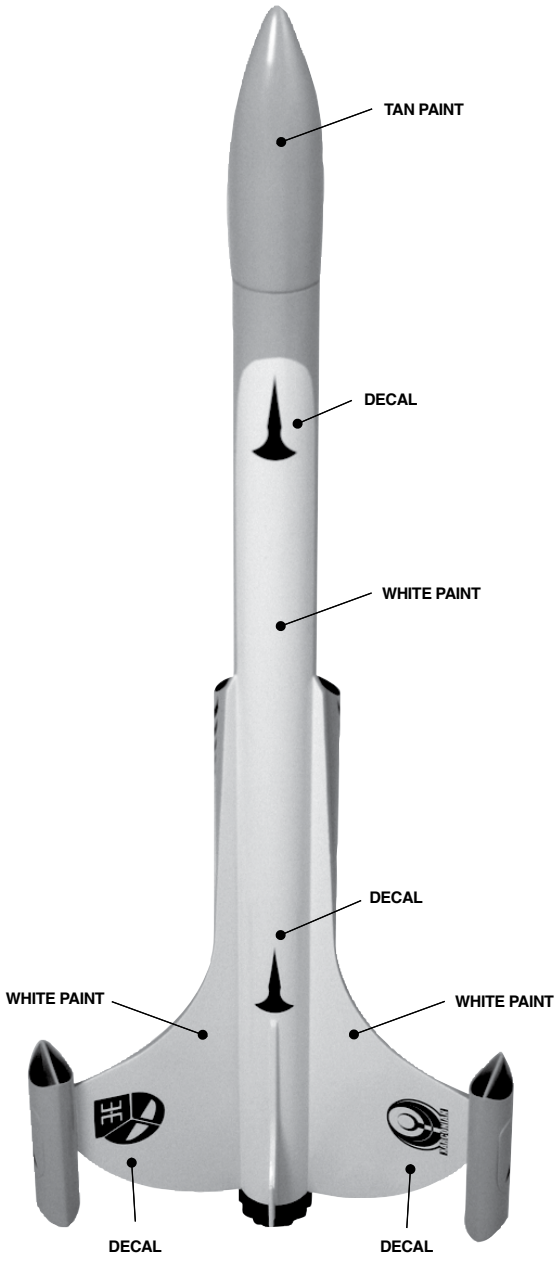
1 1/2” (38 mm)

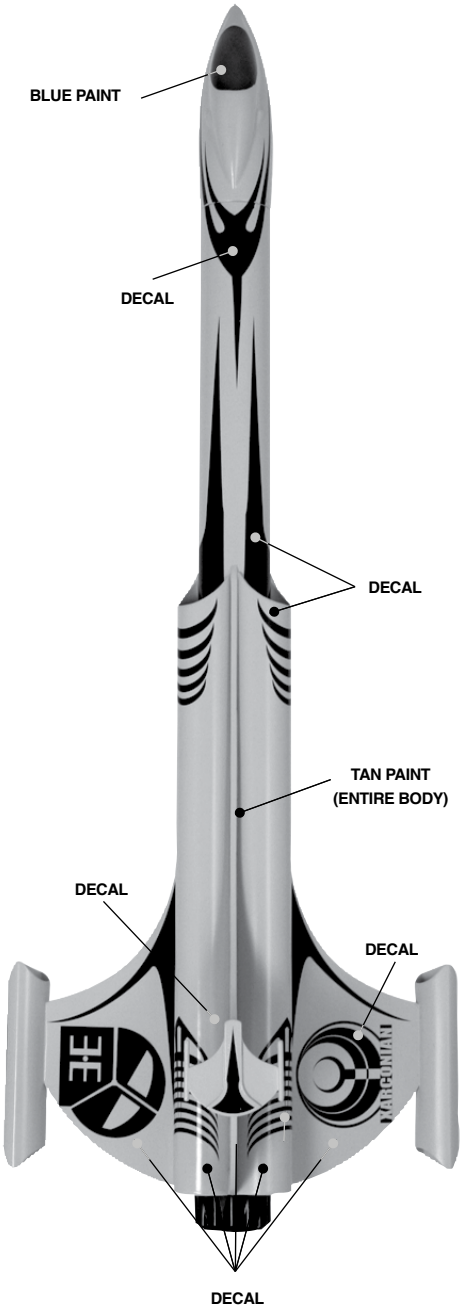


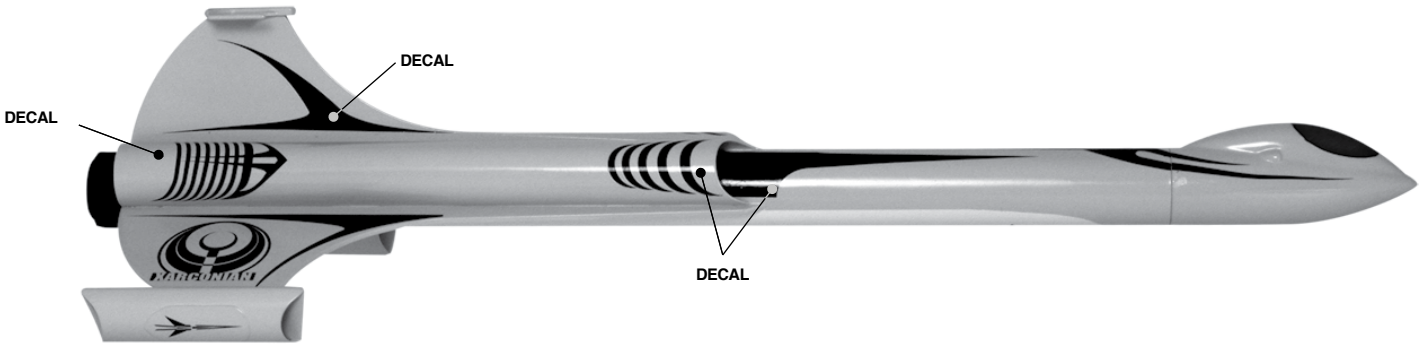
Hold until glue sets. Let dry.

ROCKET FINISHING

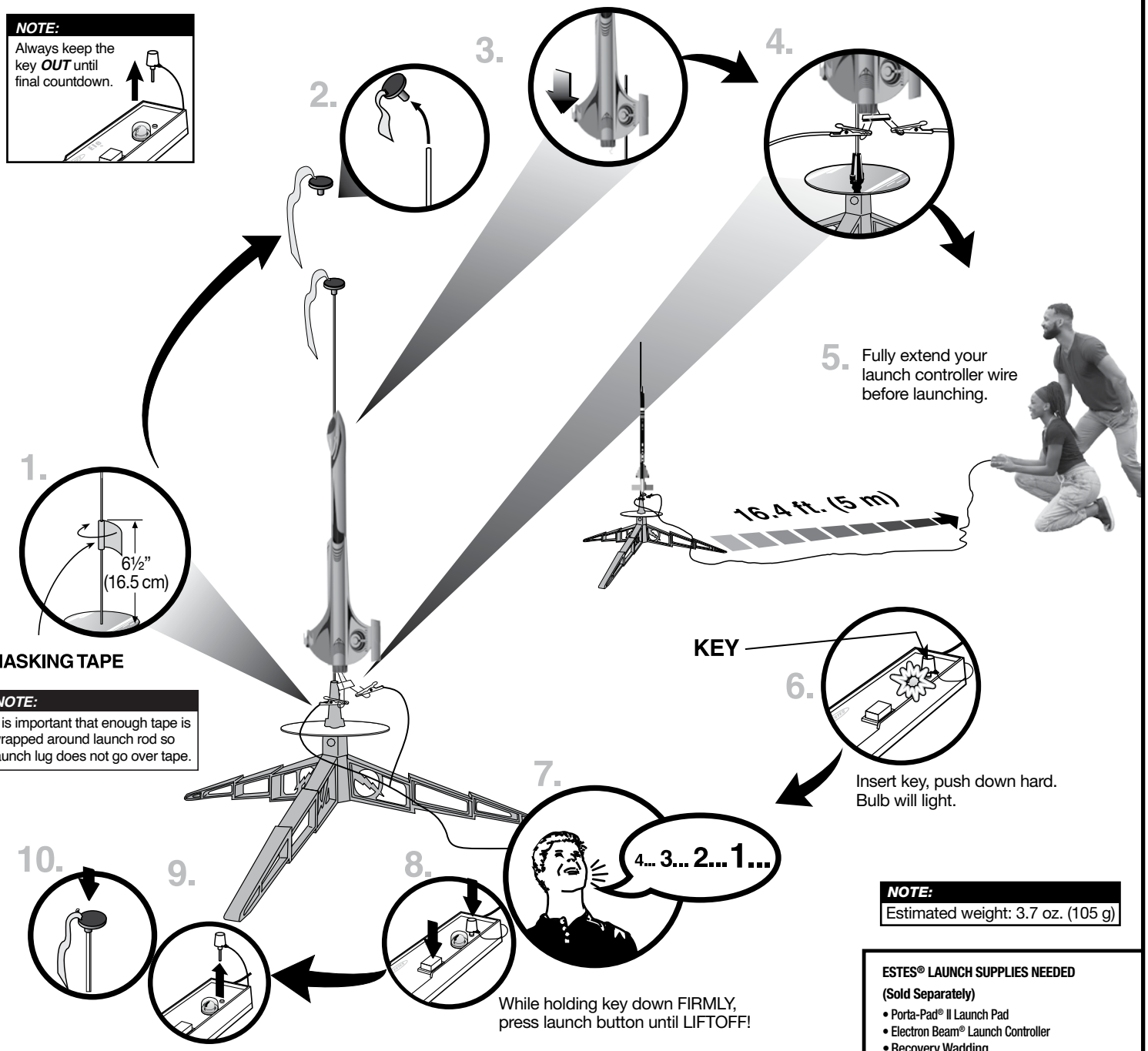
1. Cut decals from sheet, trimming close to edge.
2. One at a time, place in warm water until decal curls and begins to relax.
3. Remove and position on rocket, sliding decal away from backing material.
4. Blot with clean paper towel. Let set overnight.
5. Optional; apply protective clear coat.







COUNTDOWN AND LAUNCH



PRECAUTIONS



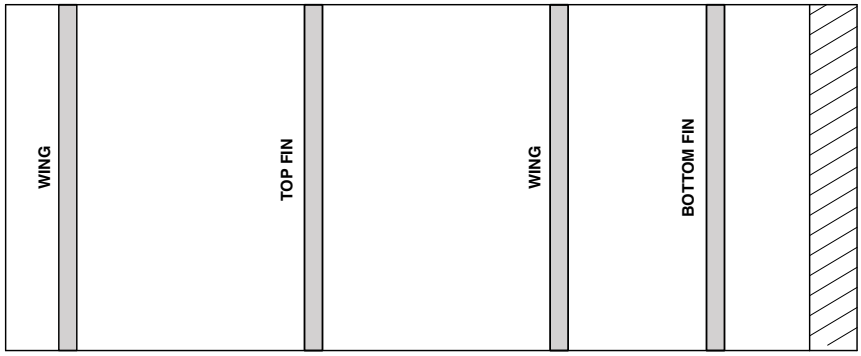
PRE-LAUNCH CHECK For safety, never launch a damaged rocket. Check the rocket's body, nose cone and fins. Also, check the engine mount, recovery system and launch lug(s). Repair any damage before launching the rocket.

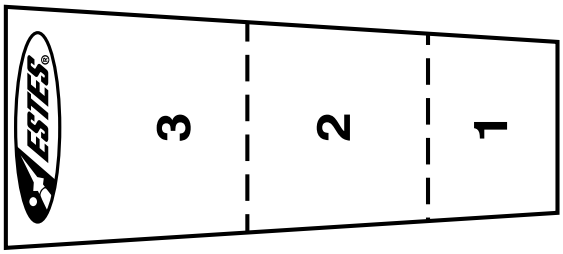
FLYING YOUR ROCKET Choose a large field (500 ft. [152 m] square) free of dry weeds and brown grass. The larger the launch area, the better your chance of recovering your rocket. Launch only with little or no wind and good visibility. Always follow the National Association of Rocketry (NAR) SAFETY CODE (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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MARKING GUIDE & SHOCK CORD MOUNT





BUILD TEMPLATES

