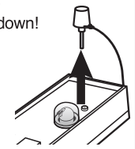
NOTE:
Key always out until final countdown!



ESTES LAUNCH SUPPLIES NEEDED
(Sold Separately)

- Launch Pad
- Launch Controller
- Recovery Wadding
- Starters (with engines)
- Plugs (with engines)
- Estes Engines: A3-4T (first launch), 1/2 A3-2T, A10-3T

NOTE:
Fully extend your launch controller wire before launching.

NOTE:
Estimated weight: 1.0 oz (28.3 g)

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. 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 igniter clips and remove the engine. Take the plug and igniter out of the engine. If the igniter has burned, it worked but did not ignite the engine because it was not touching the propellant inside the engine. Put a new igniter all the way inside the engine without bending it. Push the plug in place. Repeat the steps under Countdown and Launch.

Estes Industries, LLC, 1295 H Street, Penrose, CO 81240-9698 Made in Guangdong, China

22 PAP

PN 090004-7280 (5-19)

ESTES®
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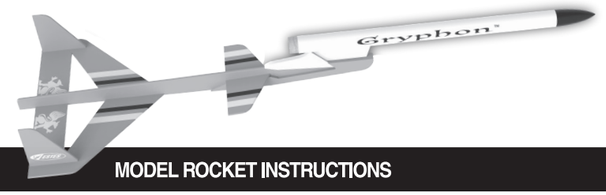
GRYPHON™

7280



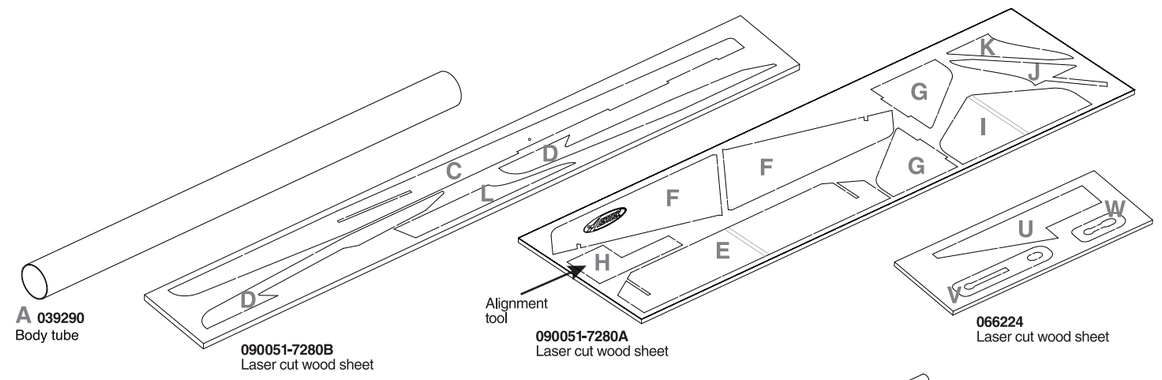
MODEL ROCKET INSTRUCTIONS

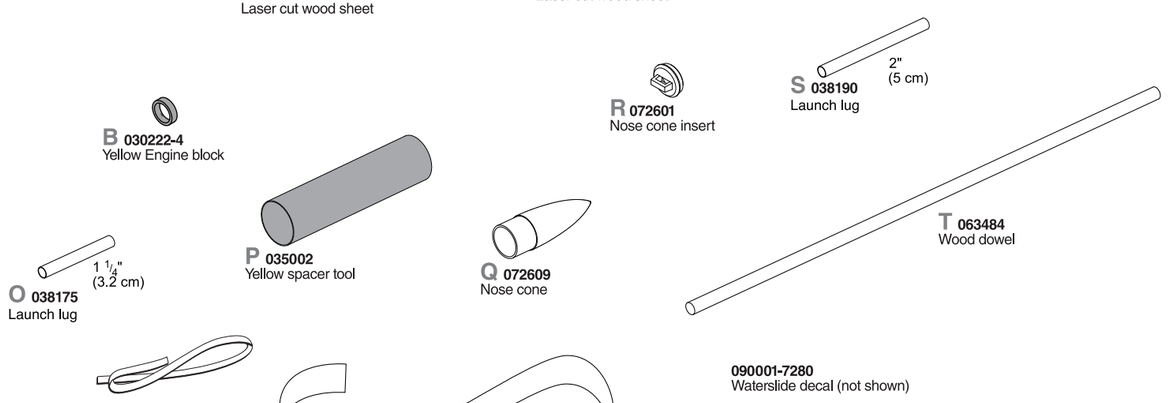
KEEP FOR FUTURE REFERENCE

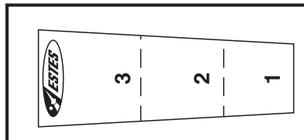
IMPORTANT: Please record date found on decal and keep for future reference. _____

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

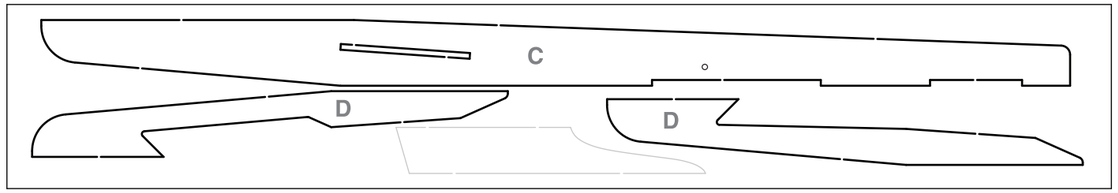


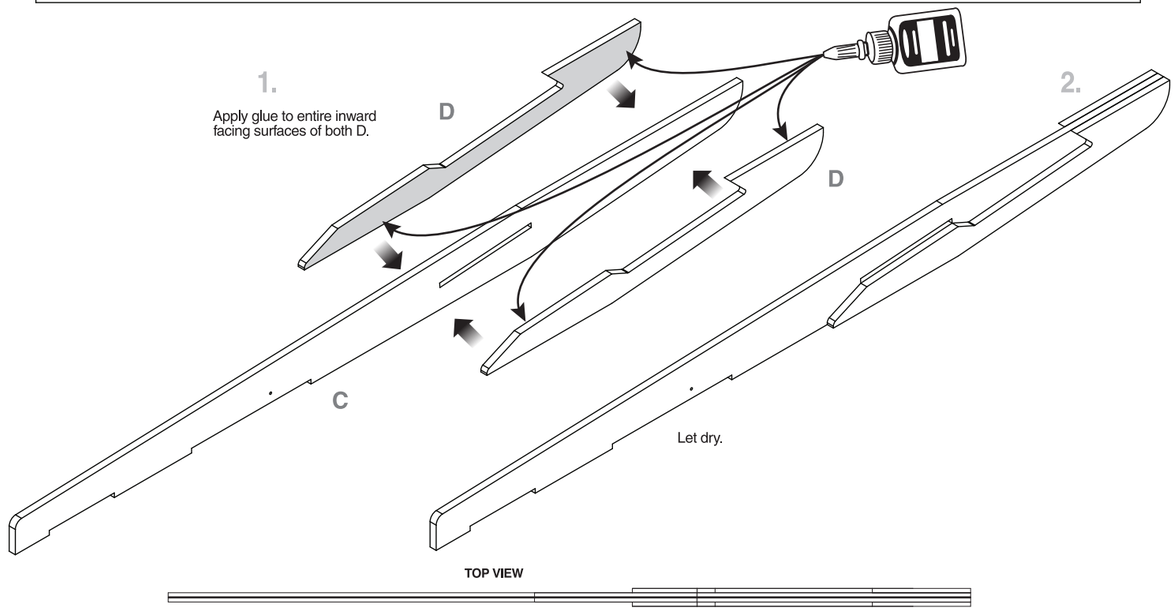




SHOCK CORD MOUNT

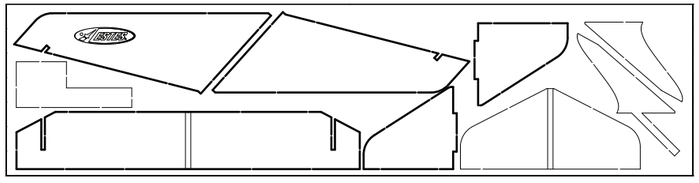
ASSEMBLE MAIN BODY

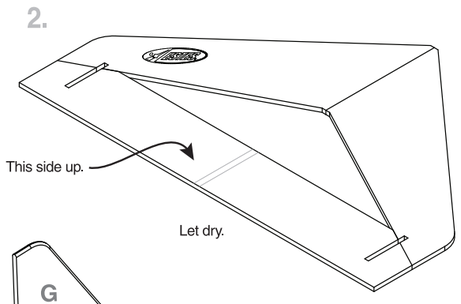


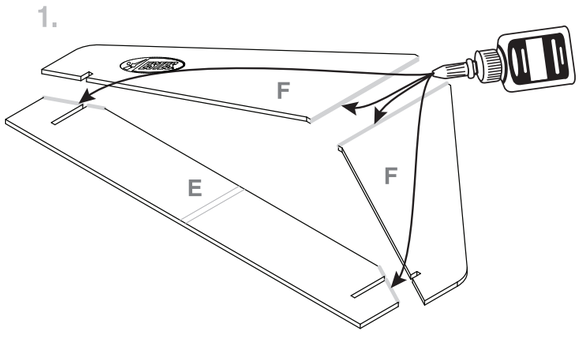


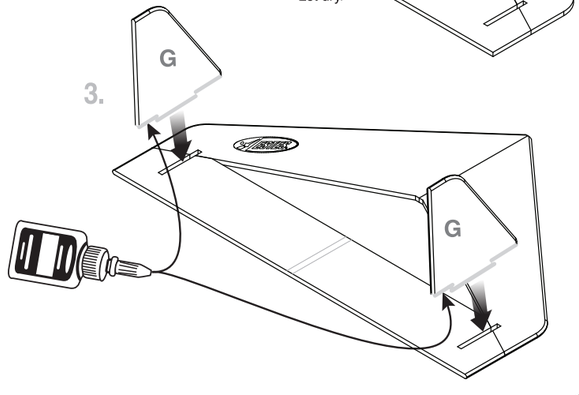
ASSEMBLE GLIDER

NOTE:
Assemble and glue on flat surface covered with wax paper.

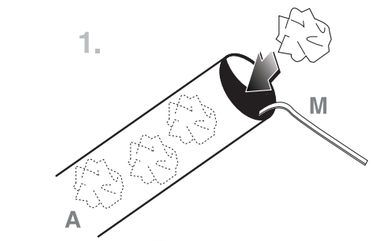


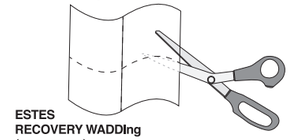


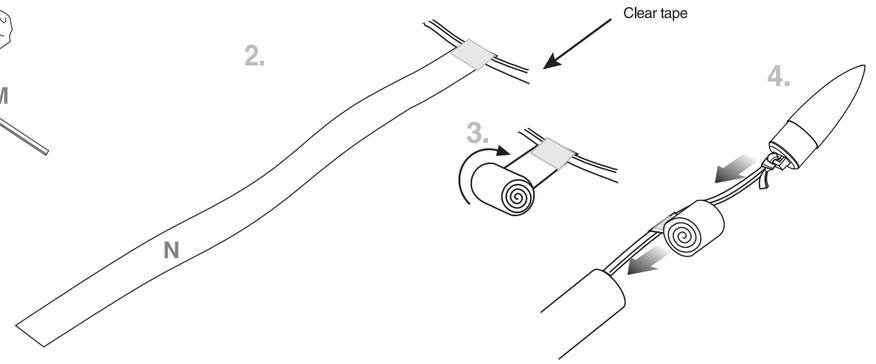




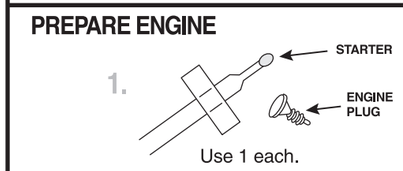
PREPARE FLIGHT RECOVERY

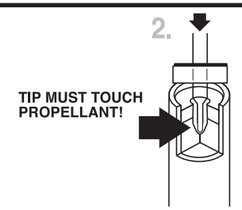






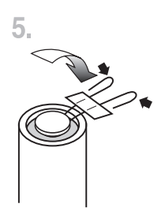
PREPARE ENGINE

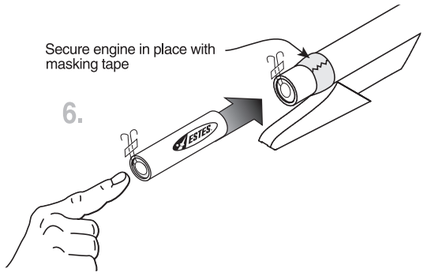




⚠ WARNING: FLAMMABLE

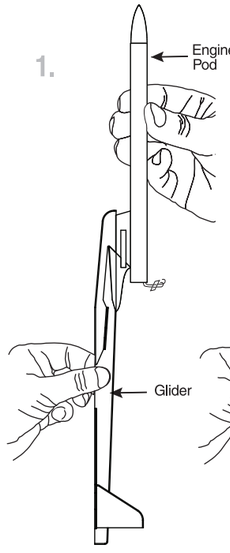
To avoid serious injury, read instructions & NAR Safety Code included with engines. **PREPARE YOUR ENGINE ONLY WHEN YOU ARE OUTSIDE AT THE LAUNCH SITE PREPARING TO LAUNCH.** If you do not use your prepared engine, remove the starter before storing your engine.

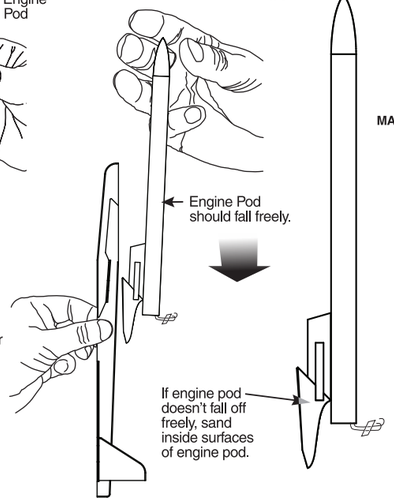


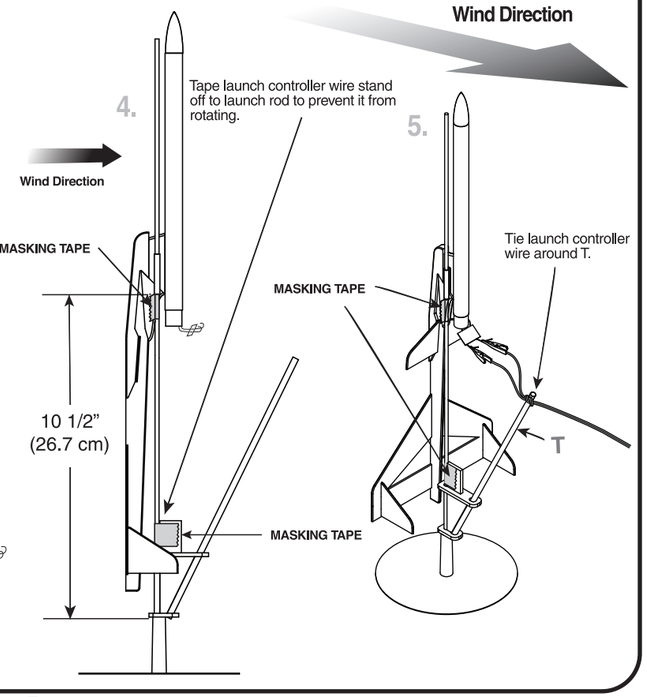


PREPARE FOR FLIGHT

While holding glider in one hand and engine pod in other, release engine pod over soft surface. Engine pod should fall freely.





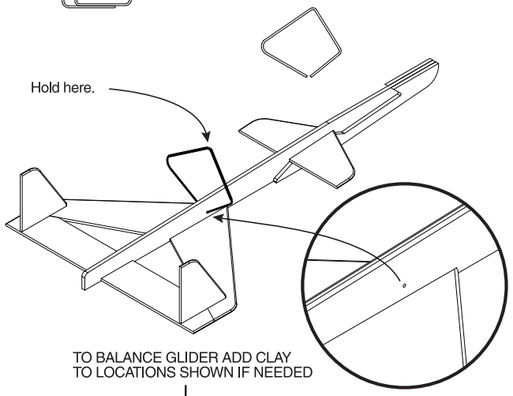


BALANCE AND FLIGHT TRIMMING

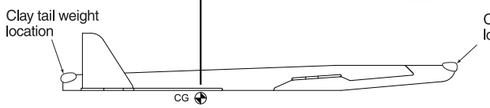
NOTE:
DURING FLIGHT TRIMMING ADDITIONAL CLAY MAY BE NEEDED TO OBTAN THE GOOD FLIGHT PROFILE.

1. **LARGE PAPER CLIP**

Bend paper clip to shape.



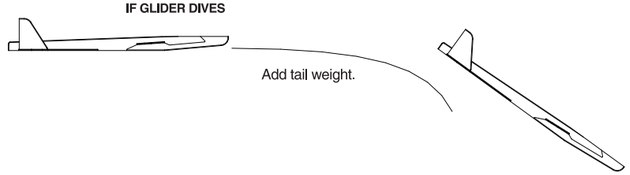
TO BALANCE GLIDER ADD CLAY TO LOCATIONS SHOWN IF NEEDED



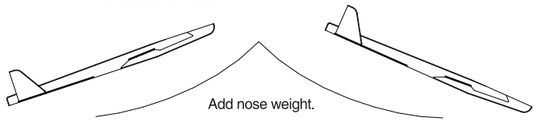
BALANCE POINT

GENTLY TOSS GLIDER OVER GRASS AREA

IF GLIDER DIVES



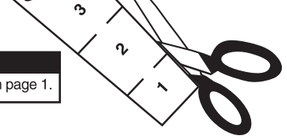
IF GLIDER STALLS



GOOD FLIGHT

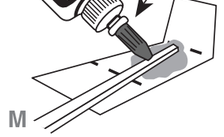
INSTALL SHOCK CORD

1.



NOTE:
Cut from page 1.

2.



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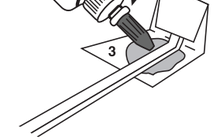


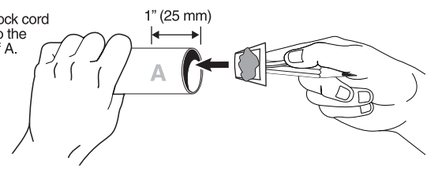
4.

Hold until set.

5.

Apply glue to shock cord mount.

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



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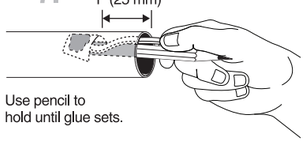
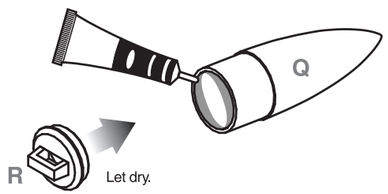


Use pencil to hold until glue sets.

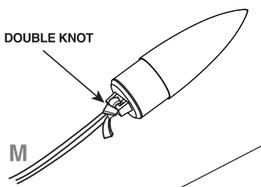
ASSEMBLE AND ATTACH NOSE CONE

1.



Let dry.

2. **DOUBLE KNOT**

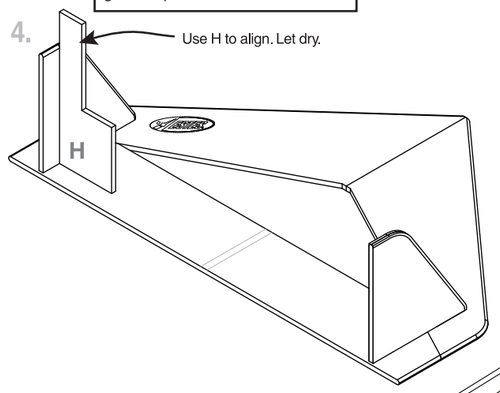


3.

ASSEMBLE GLIDER (continued)

NOTE:
H is used for alignment only. Do not glue into place.

4.



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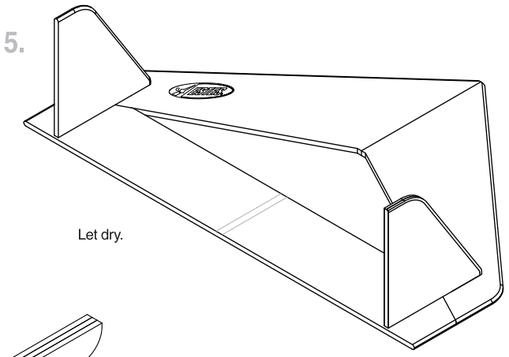
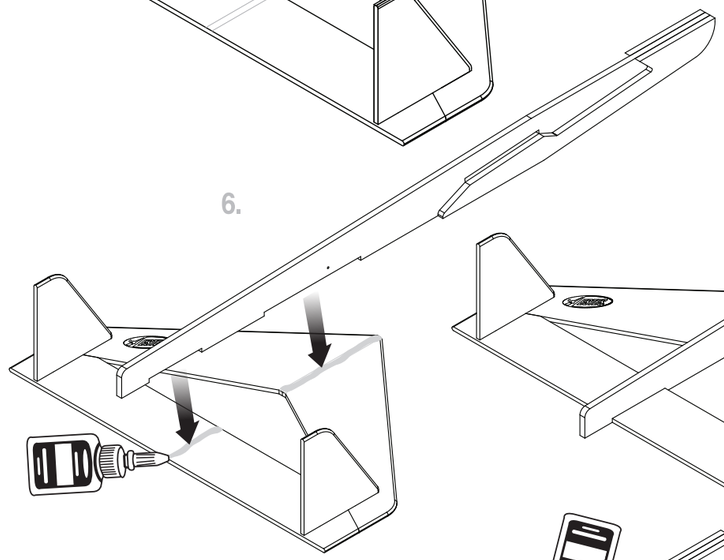


Let dry.

6.



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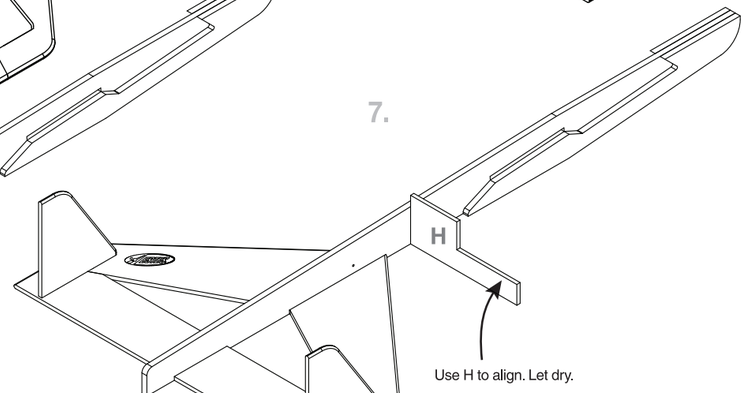

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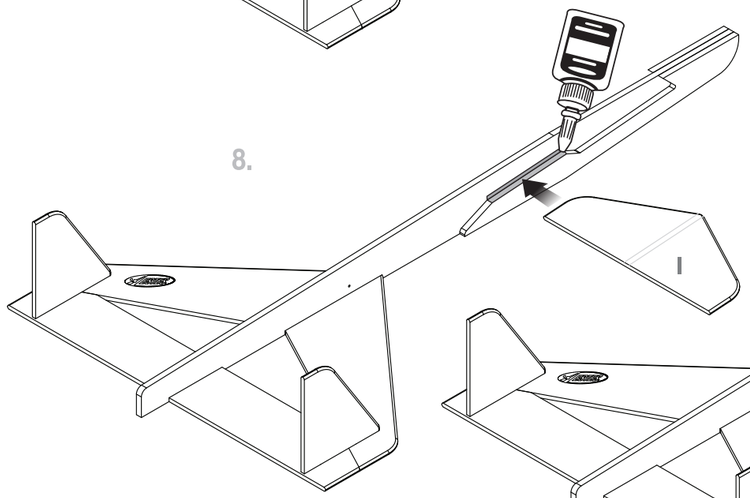

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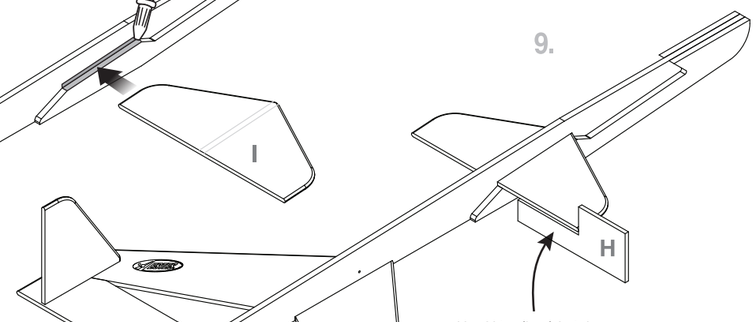
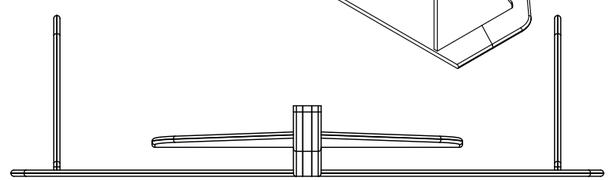
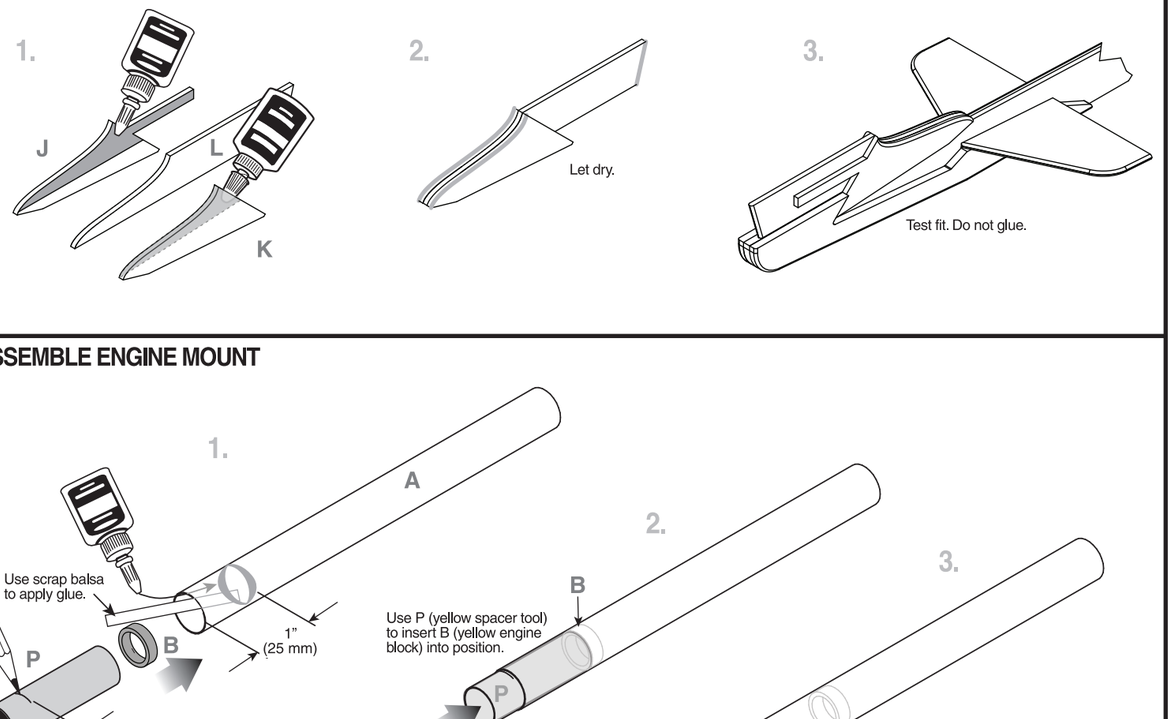


NOTE:
Apply glue fillets to all joints.

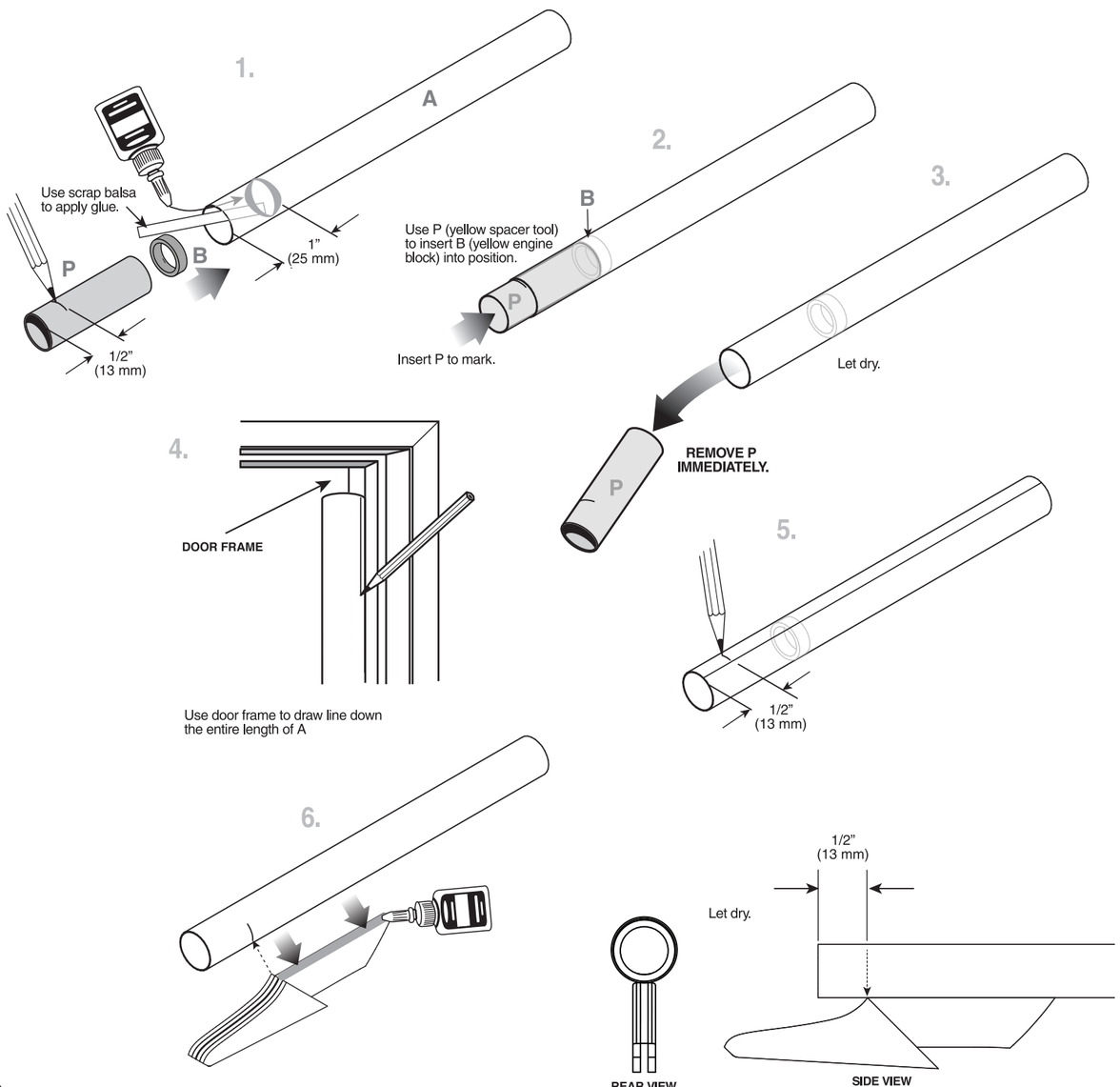


FRONT VIEW

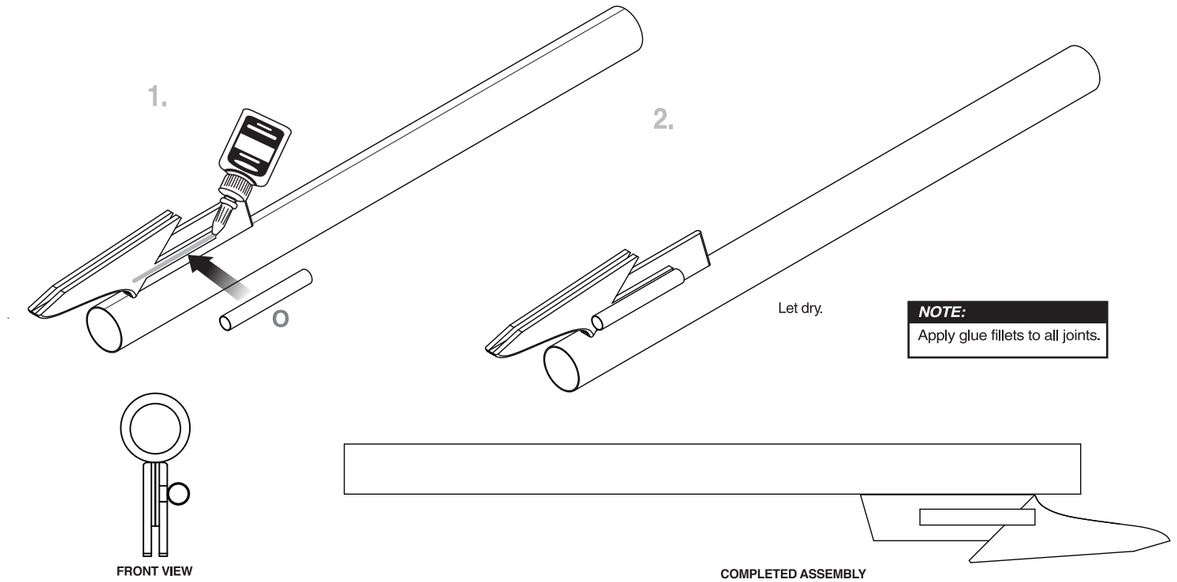
ASSEMBLE ENGINE POD



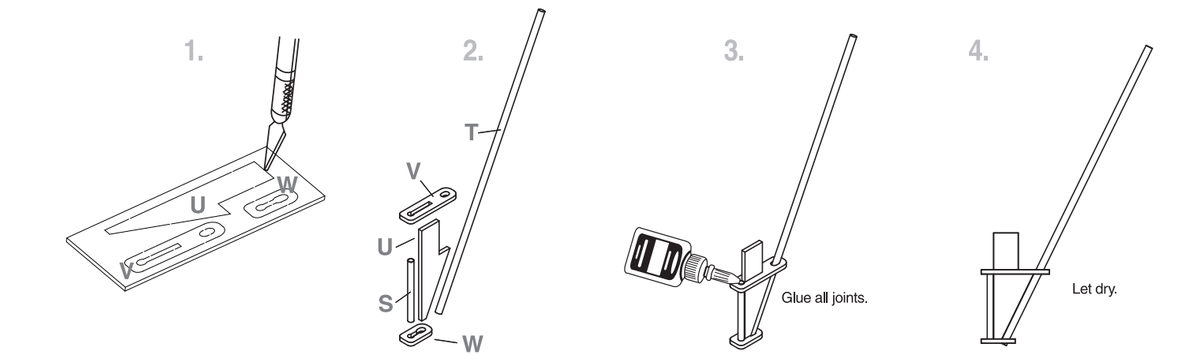
ASSEMBLE ENGINE MOUNT



ATTACH LAUNCH LUG



ASSEMBLE LAUNCH CONTROLLER WIRE STAND OFF



ROCKET FINISHING

For best glide performance use little or no paint on glider. Permanent markers can be used instead. Engine mount can be finished as shown.

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.