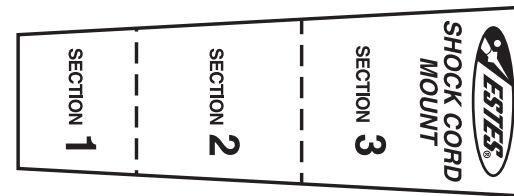



(Make a copy if you want to keep instructions.)



FIN PREPARATION



A hand is shown using a tool to prepare the fin of a component. The component is mounted on a substrate, and the fin is being shaped or smoothed. Arrows indicate the direction of the tool's movement.





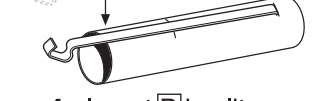
1. Sand both sides of balsa sheet with fine sandpaper (#320 or #400 grit).

2. To provide for the strongest fins, mark each ☐ H for leading edge "LE".

3. Stack **H** together. Sand edges smooth. Do not sand root edge round.

- TRAILING EDGE**
4. Sand leading edge round.

ENGINE MOUNT ASSEMBLY

1. Remove **E** and **F**.
2. Measure and mark **A**.

3. Cut small slit at mark.
4. Insert **B** in slit.

5. Apply ring of glue forward of mark. Slide **C** to mark.

6. Slide **F** to end of **B**.

7. Slide **E** with notch centered over **B** to **C**.


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- A line drawing showing three small bottles labeled 'GLUE' applying glue to a syringe. One bottle is at the top, one on the left, and one on the right. Lines indicate the glue being applied to the syringe barrel.

8. Apply glue fillets to both sides of **E** and **F**. Let dry.

-

9. Apply ring of glue in end, insert **D** until it stops against **B**. Let dry.

TUBE MARKING

1. Cut tube marking guide from instructions.


2. Tape marking guide around rear of tube. Mark fin lines "FL" and launch lug lines "LL". Remove guide.

3. Connect "FL" and "LL" on front of tube. Use door frame as a straight edge.

4. Measure and mark "LL" and "FL" from end of tube.

1. Cut tube marking guide from instructions.

2. Tape marking guide around **G**. Mark fin lines "FL" and launch lug lines "LL". Remove guide.

3. Connect "FL" and "LL" on . Use door frame as a straight edge.

4. Measure and mark
“FL” from end of **G**.

FIN ATTACHMENT

1. Apply glue to root edge of [H]. Let dry 1 minute. Apply 2nd layer of glue.

2. Position [H] over "FL" forward of mark. Let dry. Repeat for remaining [H]. Check alignment with Fin Alignment Guide.

1. Apply glue to root edge of **H**. Let dry 1 minute. Apply 2nd layer of glue.

2. Position **H** over “FL” forward of mark. Let dry. Repeat for remaining **H**. Check alignment with Fin Alignment Guide.

LAUNCH LUG ATTACHMENT

1. Sand **LL** with fine sandpaper.

2. Apply glue to "LL" forward of mark. Position **LL** in place. Let dry.

Fin Alignment Guide

1. Sand with fine sandpaper.

2. Apply glue to "LL" forward of mark. Position in place. Let dry.

INSTALL ENGINE MOUNT

1. Apply ring of glue inside of **G**.

Note: Fin removed from drawing for clarity.

2. Slide engine mount assembly even with end of **G** and **B** is aligned with "LL". Let dry.

3. Use stick to apply ring of glue inside of **G** on **F**.

1. Apply ring of glue inside of \boxed{G} .

2. Slide engine mount assembly even with end of **G** and **B** is aligned with "LL". Let dry.

3. Use stick to apply ring of glue inside **G** on **E**.

NOSE CONE ASSEMBLY

1. Test fit **K** in **G**. Sand as required for fit.

2. Screw **J** centered into **K**.

HELPFUL HINT: IF NOSE CONE FIT IS...

TOO LOOSE	TOO TIGHT
ADD MASKING TAPE.	SAND FOR FIT.

1. Test fit K in G . Sand as required for fit.

2. Screw **J** centered into **K**.

INSTALL SHOCK CORD MOUNT

1. Cut shock cord mount from instructions.
2. Apply glue to mount. Place on Section 2. Fold forward.
3. Apply glue and fold forward. Squeeze tight!
4. Apply glue to shock cord mount and insert in . Hold until glue sets. Let dry.



1 1/2" (38 mm)

- 1. Cut shock cord mount from instructions.**

2. Apply glue to mount. Place **L** on Section 2. Fold forward.

- 3. Apply glue and fold forward. Squeeze tight!**

4. Apply glue to shock cord mount and insert in **G**. Hold until glue sets. Let dry.


ROCKET FINISHING

NOTE: We have found Testors One Coat Lacquer, Testors Model Master spray paints (color of your choice) and Testors Gloss Lacquer (#1961) to be excellent for providing a long lasting and durable finish on your rocket. Always be sure to spray your models outside or in a well ventilated area.

Steps to a quality finish:


1. Insert shock cord into body tube and hold in place with paper.
2. Lightly sand body tube, fins and nose cone with fine sandpaper (#320 or #400 grit).
3. Apply glue fillets to fins and launch lug.
 - A. Allow glue to dry overnight.
4. Insert a stick into the engine tube end of the rocket for painting.
5. Hold the nose cone by the screw eye with a clip or pliers for painting.
6. We recommend a good filler/primer to be applied to the balsa fins and nose cone before painting.
7. After priming the rocket and nose cone, sand smooth in preparation for color.
8. Spray paint main rocket bright yellow.
9. Let paint dry overnight (24 hours is best)
10. Spray paint nose cone gloss black.
11. Let paint dry overnight (24 hours is best).
12. Apply masking tape both sides of one fin and protective cover to body of rocket.
13. Paint fin gloss black.
14. Let paint dry overnight (24 hours is best). Remove masking tape and protective cover.
15. Apply waterslides decal where shown.
 - A. Cut the decal to be applied from the decal sheet, trimming close to the decal edge.
 - B. Hold the decal in warm water until decal begins to curl.
 - C. Remove the entire decal, position in place and slide the decal from the backing material and onto the model as close to final position as possible.
 - D. Gently blot out excess water with a clean paper towel.
 - E. Allow decals to set overnight before applying protective clear coat.

When decal is dry, spray entire rocket (body and nose cone separately) with a light coat of Testors Gloss Lacquer (#1961). This will provide added protection and shine to your Hornet rocket!

A photograph of a completed Hornet rocket model. The rocket is primarily yellow, with a black nose cone and black fins. A black decal with the word "HORNET" and a logo is visible on the side of the body tube. The rocket is shown from a side-on perspective, angled slightly upwards.

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Steps to a quality finish:

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 2. Lightly sand body tube, fins and nose cone with fine sandpaper (#320 or #400 grit).
 3. Apply glue fillets to fins and launch lug.
 - A. Allow glue to dry overnight.
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