Page 8 (left):

NOTE: Key always out until final countdown!

1.
4" (10.2 cm)
MASKING TAPE

2.

3.

4.

5. Fully extend your launch controller wire before launching.

16.4 ft. (5 m)

6.
KEY
Insert key, push down hard. Bulb will light.

7.
4... 3... 2... 1...

8.
While holding key down FIRMLY, press launch button until LIFTOFF!

9.

10.

ESTES® LAUNCH SUPPLIES NEEDED (Sold Separately)
• Launch Pad
• Launch Controller
• Recovery Wadding
• Starters (with engines)
• Plugs (with engines)
• Estes® Engines: A8-3 (first launch), B6-4, C6-3

NOTE
Estimated weight: 1.3 oz. (36.9 g)

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.
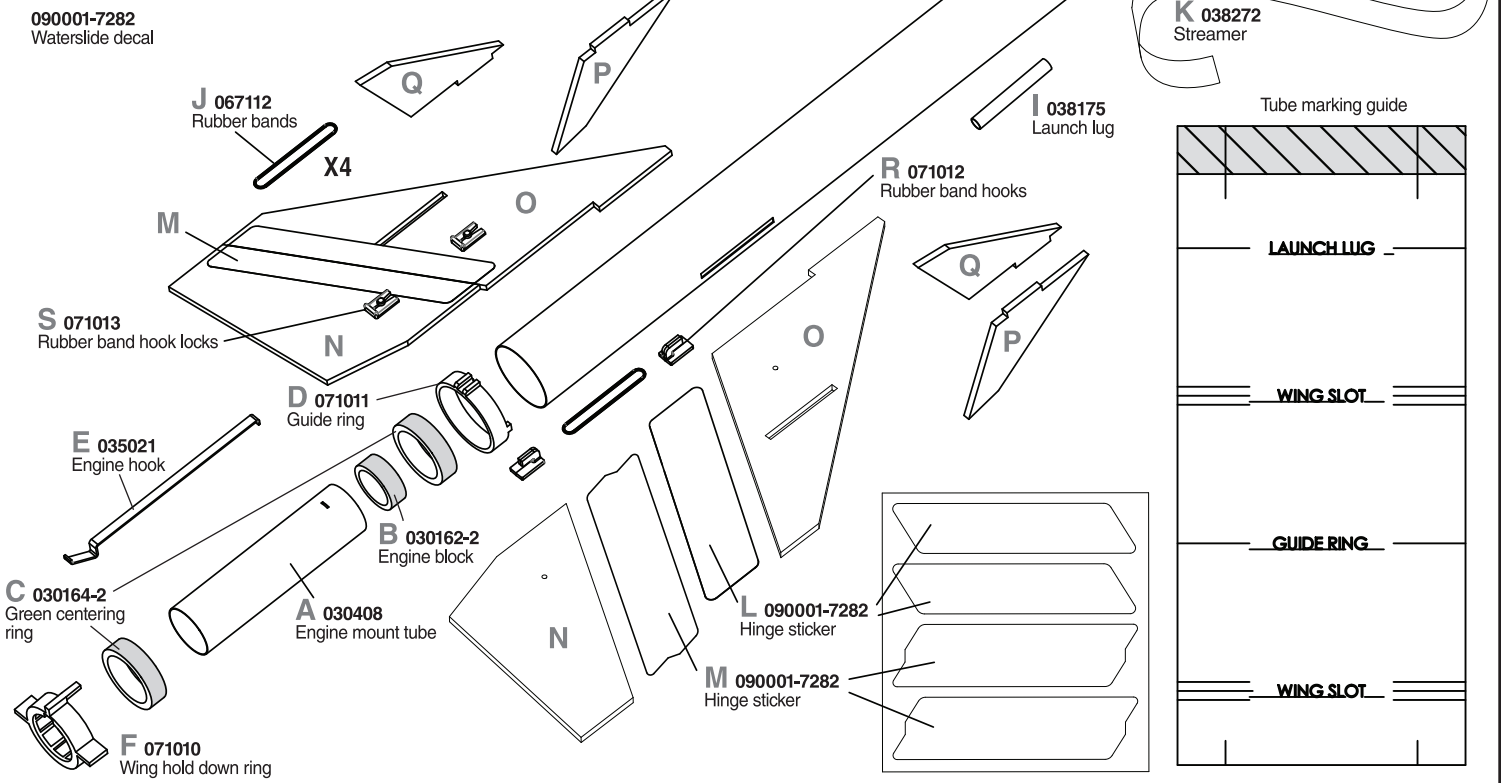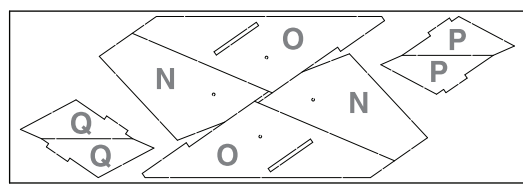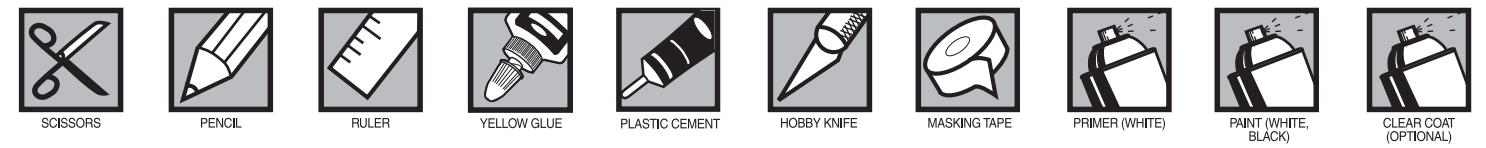
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PAP

PN 090004-7282 (8-19)

Page 1 (right):

Estes®
EstesRockets.com

TAZZ™

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

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

090001-7282
Waterslide decal

090051-7282
Laser-cut balsa sheet

H 071009
Nose cone

G 030459
Body tube

K 038272
Streamer

J 067112
Rubber bands
X4

I 038175
Launch lug

R 071012
Rubber band hooks

M

S 071013
Rubber band hook locks

D 071011
Guide ring

E 035021
Engine hook

B 030162-2
Engine block

C 030164-2
Green centering ring

A 030408
Engine mount tube

L 090001-7282
Hinge sticker

M 090001-7282
Hinge sticker

F 071010
Wing hold down ring

Tube marking guide

LAUNCH LUG

WING SLOT

GUIDE RING

WING SLOT

ASSEMBLE ENGINE MOUNT

1. Measure and mark **A**.
Glue **B** into end of **A**.

2" (5 cm)

1/2" (13 mm)

2. Stretch the inside diameter of the 2 **C**'s by pushing down and twisting them back and forth over **H**.

3.

4.

5.

6. Apply glue fillets. Smooth with Finger. Let dry.

ASSEMBLE WING HOLD DOWN RING

1.

2. Rotate **F** so plastic tabs are aligned as shown.

Plastic tab

Plastic tab

Let dry.

ATTACH NOSE CONE AND MARK BODY TUBE

1.

Let dry.

2.

3.

DOOR FRAME

4. Remove guide.
Use door frame to extend all lines.
Mark lightly.

TAPE

NOTE:
Cut from page 1.

PREPARE SPIN TABS FOR RECOVERY

1. Loop **J** around **R**.

2. Loop another **J** around **R** on opposite side of rocket.

**3.** Check if spin tabs activate properly when engine mount is removed from rocket.

PREPARE ENGINE

1. STARTER

PLUG

ENGINE

Use 1 each.

2.

3. TIP MUST TOUCH PROPELLANT!
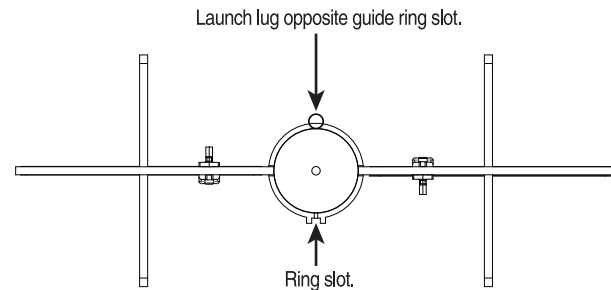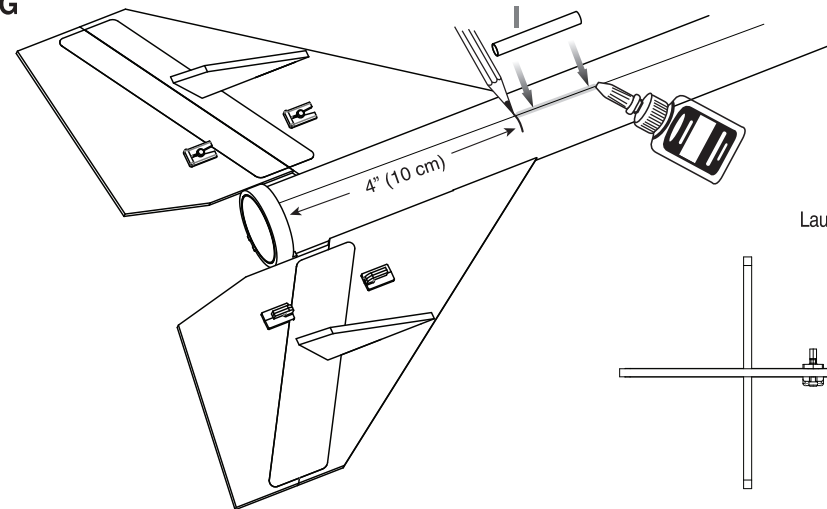
4.

5.

⚠ **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.
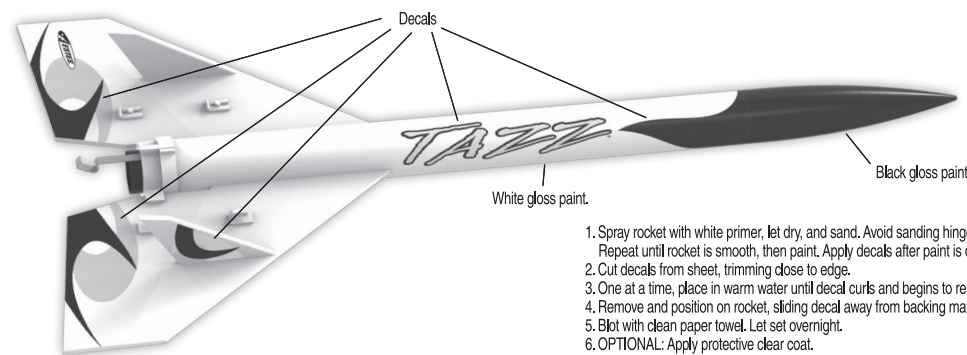
CHECK ALIGNMENT OF ENGINE MOUNT

G

Plastic tab
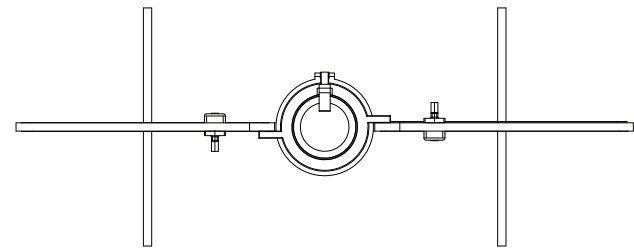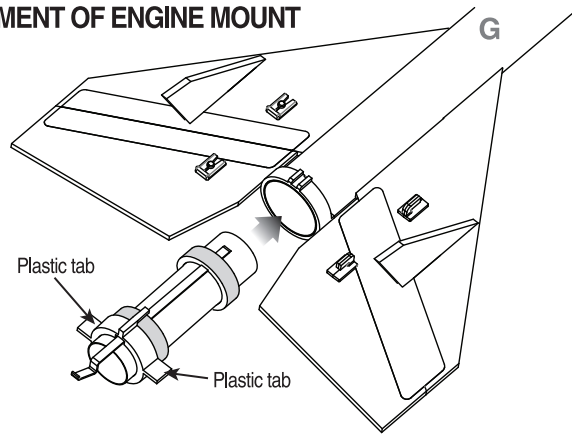
Plastic tab

Slide Engine Mount into **G** and check alignment of wings and plastic tabs as shown.

ATTACH LAUNCH LUG

I

4" (10 cm)

Launch lug opposite guide ring slot.

Ring slot.

ROCKET FINISHING

Decals

Black gloss paint.

White gloss paint.

1. Spray rocket with white primer, let dry, and sand. Avoid sanding hinges as much as possible. 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.

PREPARE RECOVERY SYSTEM
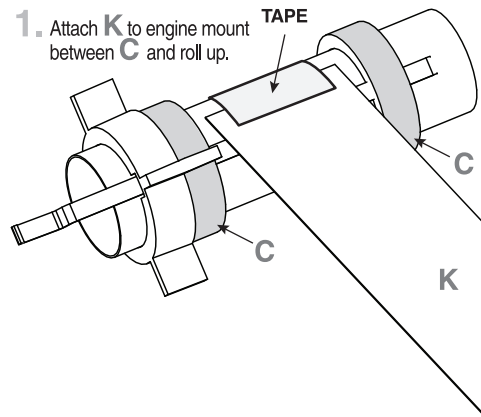
1. Attach **K** to engine mount between **C** and roll up.

TAPE

C

C

2. Slide assembly into **G**. Position plastic tabs of engine mount to hold wings in a horizontal position.

G

K
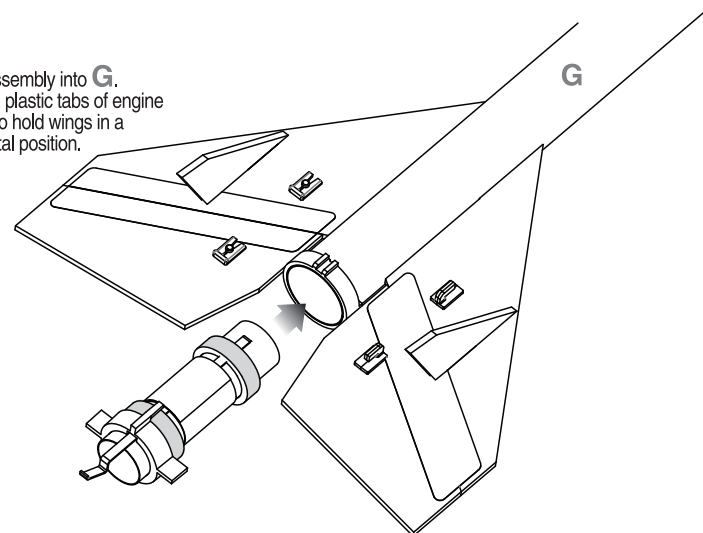
ASSEMBLE WING AND SPIN TAB ASSEMBLIES

1. Align edge of **O** with the edge of the **N** as shown.

O

N

ALIGN EDGES

2. Center **L** over joint as shown. Press firmly into place. Rub **L** down smoothly with cloth or paper towel to remove any and all trapped air bubbles.

L

3. Carefully trim **L** around slot.

X 2

4. Fold **N** and **L** over by firmly pressing **O** together with **N**.

5. Center **M** over joint as shown. Press firmly into place.

M

6. Fold **M** over opposite side of **N** and press firmly onto wing.

NOTE:
Do **not** trim **M** around slot.

7. Fold back to its original position. Make sure **M** is firmly attached to both surfaces. Rub **M** down smoothly with cloth or paper towel to remove any and all trapped air bubbles.
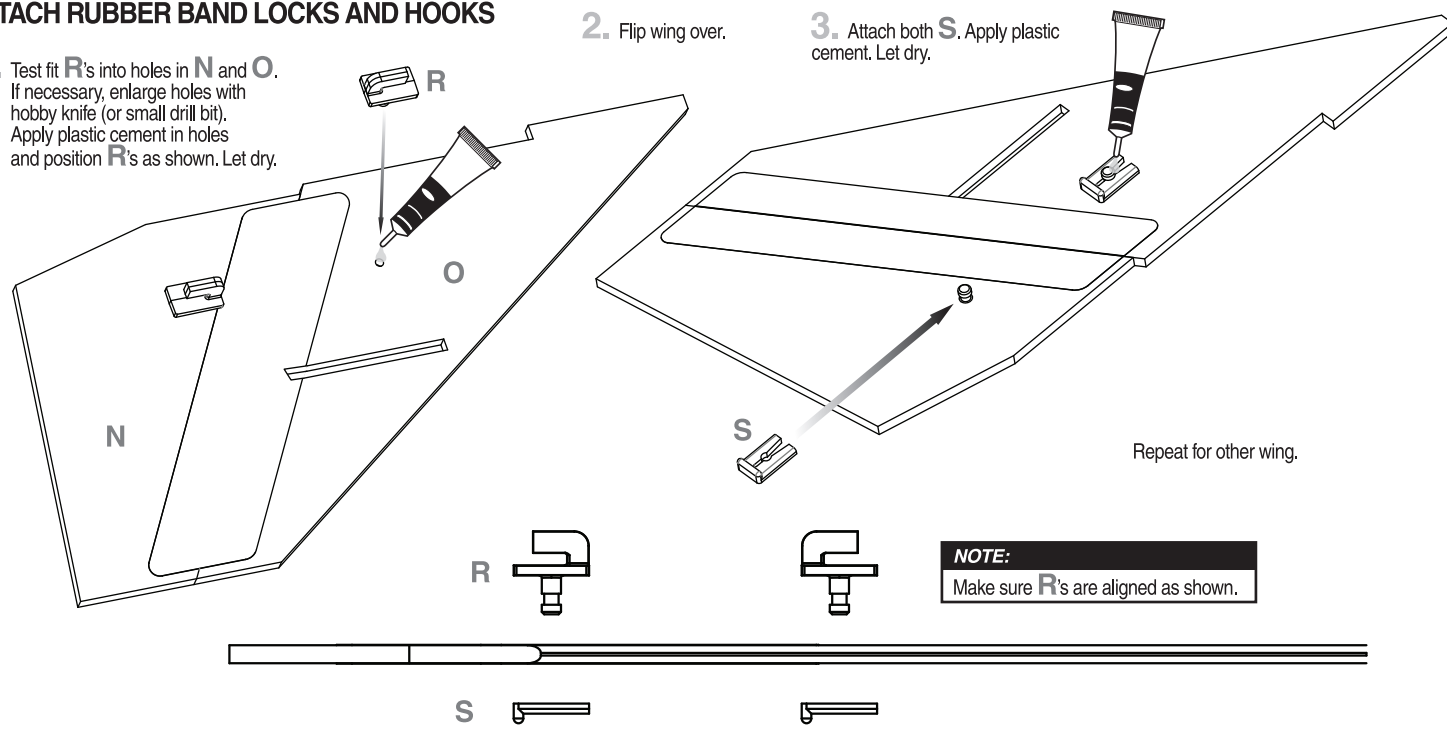
M

Make two identical wing assemblies.
DO NOT make them mirror each other.

ATTACH RUBBER BAND LOCKS AND HOOKS

1. Test fit **R**'s into holes in **N** and **O**. If necessary, enlarge holes with hobby knife (or small drill bit). Apply plastic cement in holes and position **R**'s as shown. Let dry.
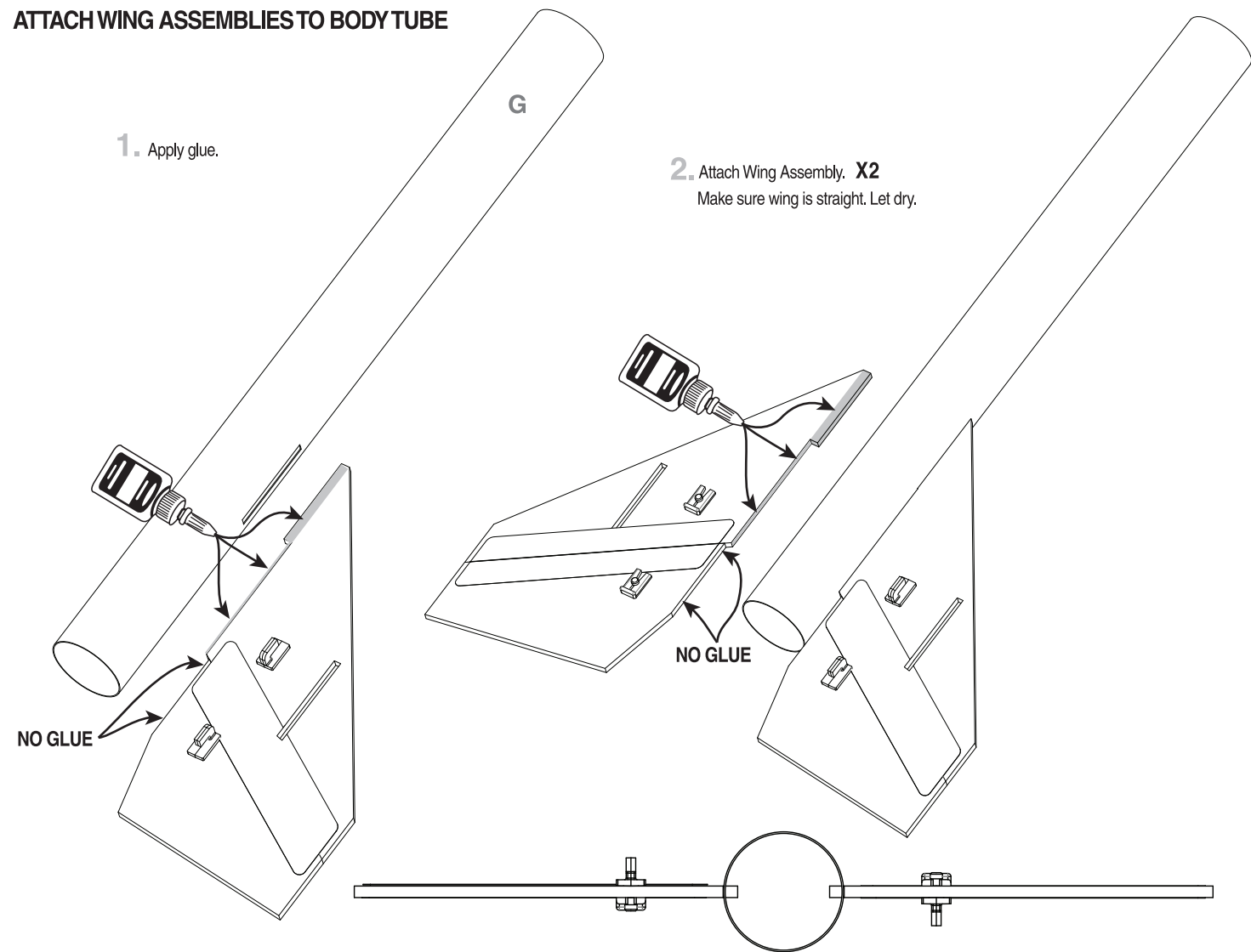
R

O

N

2. Flip wing over.
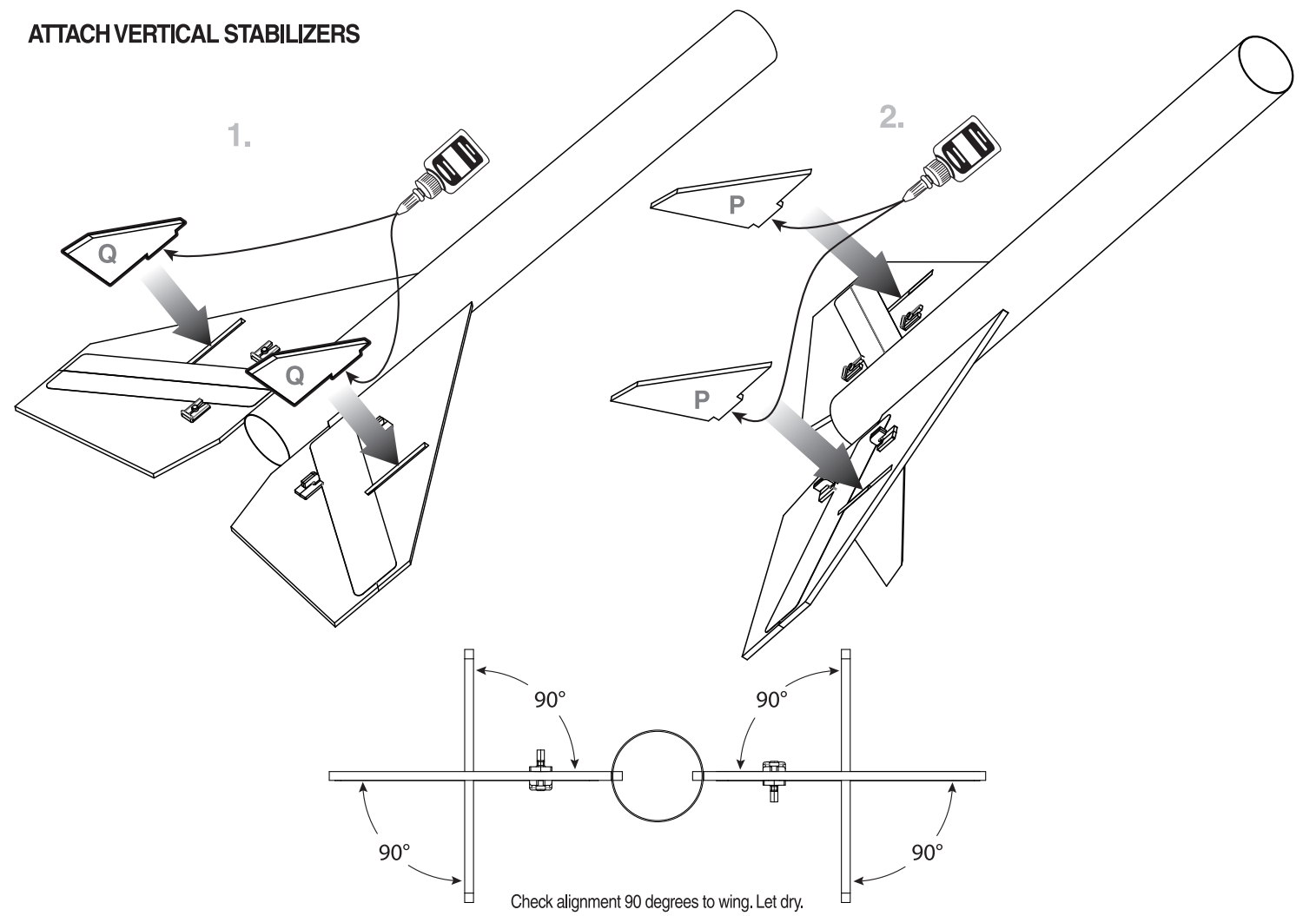
3. Attach both **S**. Apply plastic cement. Let dry.

S

Repeat for other wing.

R

R

NOTE:
Make sure **R**'s are aligned as shown.

S

ATTACH WING ASSEMBLIES TO BODY TUBE

G

1. Apply glue.

2. Attach Wing Assembly. **X2**
Make sure wing is straight. Let dry.

NO GLUE

NO GLUE

ATTACH VERTICAL STABILIZERS

1.

Q

Q

2.

P

P

90° 90°

90° 90°

Check alignment 90 degrees to wing. Let dry.

ATTACH GUIDE RING

1.

G

2.

G

D

Align mark on G with middle of D.

Let dry.