ASSEMBLY TIP
Read all instructions before beginning work on your model. Make sure you have all parts and supplies. **TEST-FIT ALL PARTS TOGETHER BEFORE APPLYING ANY GLUE.** If any parts don’t fit properly, sand as required for precision assembly.

SUPPLIES
In addition to the parts included in the kit you will also need:

- SCISSORS
- PENCIL
- RULER
- CARPENTER’S GLUE
- MODELING KNIFE
- YELLOW, ORANGE & TEAL PAINT PENS
- PLASTIC CEMENT
- PRIMER (WHITE)
- SPRAY PAINT: BLACK OR YELLOW, RED & PURPLE
- SPRAY CLEAR COAT
- MASKING TAPE
- FINE SAND PAPER (400-600 Grit)
- OPTIONAL: YELLOW, ORANGE & TEAL 1/16” (2mm) PIN STRIPE TAPE

PARTS
Locate the parts shown below and lay them out on the table in front of you. **DO NOT USE THIS DRAWING TO ASSEMBLE YOUR ROCKET.**

- Body Tube (1) (030323)
- Nose Cone Insert (1) (072603)
- Nose Cone (1) (072602)
- Yellow Spacer Tool (1) (035003)
- Green Engine Block (1) (030162-2)
- Engine Retainer Ring - Mylar (1) (030168)
- Launch Lug (1) (038175)
- Tube Marking Guide (1) (on page 2)
- Decal Sheet (1) (037503)
- Die-cut Balsa Sheet (1) (032241)
- Shock Cord Mount (1)
- Assembled Parachute 12” (30 cm) w/ Engine Hook and Shock Cord (1) (035804)
1. NOTE: USE PLASTIC CEMENT ONLY IN THIS STEP.

GLUE BASE INTO NOSE CONE.

2. A. FINE SAND BALSA SHEET.
B. CUT FINS FREE WITH MODELING KNIFE.
C. STACK FINS TOGETHER AND SAND EDGES SMOOTH.
D. ROUND LEADING EDGES.

ROOT EDGE GLUES TO BODY TUBE.
(DO NOT ROUND!)

3. NOTE: SAND BODY TUBE WITH FINE SANDPAPER BEFORE MARKING.

A. CUT OUT TUBE MARKING GUIDE FROM TOP OF PAGE. TAPE AROUND END OF TUBE. MARK TUBE AT ARROWS. MARK LAUNCH LUG LINE "LL". REMOVE GUIDE.
B. CONNECT FIN LINES.
C. LAUNCH LUG LINE SHOULD BE 4" (102 mm) LONG.

4. A. GREEN ENGINE BLOCK
YELLOW SPACER TOOL

END OF BODY TUBE

B. YELLOW SPACER TOOL

E. YELLOW SPACER TOOL

BODY TUBE

GREEN ENGINE BLOCK

INSERT SPACER TOOL UNTIL 1/4" (6 mm) MARK IS EVEN WITH BOTTOM OF BODY TUBE.

BODY TUBE

D. 2 1/2" (64 mm)

GLUE INSIDE.

BALSA STICK FROM FIN SCRAP

BODY TUBE

F. 2 1/2" (64 mm)

MARK IS HALFWAY BETWEEN TWO FIN LINES. LAUNCH LUG LINE IS BETWEEN OTHER FIN LINES.

BODY TUBE

G. 2 1/2" (64 mm)

CUT 1/8" (3 mm) SLIT

BODY TUBE

H. 1" (25 mm)

GLUE

BODY TUBE

POSITION ENGINE HOOK. APPLY GLUE AROUND TUBE AT 1" (25 mm) MARK.

BODY TUBE

I. BODY TUBE

ENGINE RETAINER RING

SLIDE RING OVER TUBE AND ENGINE HOOK TO 1" (25 mm) MARK.
5. A. APPLY THIN LAYER OF GLUE. WAIT 1 MINUTE. APPLY 2ND LAYER AND ATTACH FIN CENTERED ON FIN LINE.

FIN LINE

REPEAT FOR OTHER FIN.

YES

FINS PROJECT STRAIGHT FROM THE BODY

B.

SUPPORT ROCKET UNTIL GLUE DRIES.

6.

PREPARE FIN MOUNTING ACE STRINGER.

2 1/8" (53 mm)

LAUNCH LUG

ENGINE HOOK

SUPPORT ROCKET UNTIL GLUE FILLETS DRY.

7. PROCEED WITH THIS STEP ONLY AFTER GLUE ON FINS AND LAUNCH LUG IS THOROUGHLY DRY.

APPLY GLUE FILLETS TO ALL FIN AND LAUNCH LUG/BODY TUBE JOINTS.

SMOOTH WITH FINGERTIP.

8. A. CUT OUT SHOCK CORD MOUNT FROM FRONT PAGE.

B. CREASE.

C. FOLD FORWARD.

D. FOLD FORWARD.

E. SQUEEZE TIGHTLY.

F. GLUE MOUNT INSIDE BODY TUBE.

HOLD UNTIL GLUE DRIES.

9. A. LOOP

B. NOSE CONE

C. PIN STRIPE

D. PIN STRIPE

E. DOUBLE KNOT SHOCK CORD.

"CONVENTIONAL" PAINT SCHEME

YELLOW PAINT PEN OR 1/16" (2mm) PIN STRIPE

TEAL PAINT PEN OR 1/16" (2mm) PIN STRIPE

BLACK

DECAL

BLACK

DECAL

BLACK

FIRST SPRAY ROCKET WITH WHITE PRIMER, DRY & SAND. REPEAT UNTIL ROCKET IS SMOOTH.

YELLOW ORANGE TEAL PAINT PEN OR 1/16" (2mm) PIN STRIPE

*CLEAR COAT ENTIRE ROCKET WHEN PAINT DRIES.
**ROCKET PREFLIGHT**

A. Insert 3 or 4 loosely crumpled squares of recovery wadding.

B. Spike

C. Fold

D. Roll

E. Wrap lines loosely, insert chute, shock cord and nose cone.

**ENGINE PREP**

**WARNING: FLAMMABLE**
Before proceeding 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 igniter before storing your engine.

A. 

B. Tip must touch propellant.

C. 

D. 

E. 

F. Insert engine.

**PRECAUTIONS**

NAR Safety Code

- No dry grass or weeds

**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! 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.
FLYING MODEL
ROCKET

SIZZLER

- Parachute Recovery
- Flies Over 2000 Ft. [610 m]!
- Easy to Build!
- 1 Rocket - Many Designs

GO WILD!

DESIGN YOUR OWN WILD LOOK AS SHOWN!

Length: 11.75 in. (29.8 cm)
Diameter: 7/8 in. (18.8 mm)
Weight: 0.8 oz. (23.5 g)
Recovery: 12 in. (30 cm)
Parachute

Recommended Engines: A8-3 (First Flight), B4-4, B6-4, B6-6, C6-5 and C6-7

Assembly required.
Glue, finishing supplies, and launch supplies - not included.

1 MODELE REDUIT: PEINTURE ET COLLE NON COMPRIS

ESTES INDUSTRIES
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MADE IN CHINA

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