6. BALANCE THE GLIDER
A. Hold glider at eye level, aim at a spot about 50 inches (30 cm) away and tip glider back and forth.

B. Add clay weight to the nose cone area until the glider balances at these points.

7. FLIGHT TEST GLIDER
A. Glider should perform a large, gliding circle during descent.

B. Insert 2-3 squares of loosely crumpled recovery wadding into rocket.

C. Fold in half again.

8. PREPARE STREAMER FOR FLIGHT
A. Insert 2-3 squares of loosely crumpled recovery wadding into rocket.

B. Fold streamer in half.

C. Insert igniter.

D. Roll.

9. PREPARE ENGINE
A. Separate igniter and igniter plug.

B. Separate igniter and igniter plug.

C. Fold streamer in half.

D. Insert engine into rocket.

E. Insert igniter into rocket.

10. COUNTDOWN AND LAUNCH
A. Key always out until final countdown!

B. Slide rocket onto launch pad and attach glider to rocket.

C. Insert key: Push down and hold.

D. Hold key down and press LAUNCH BUTTON.

E. Lift-off!

F. The glider should perform a large, gliding circle during descent.

11. FINAL COUNTDOWN!
A. Release igniter and igniter plug.

B. Separate igniter and igniter plug.

C. Fold streamer in half.

D. Insert igniter into rocket.

E. Insert igniter into rocket.

F. Insert key into socket.

12. FLYING YOUR ROCKET
A. Glen will boost your rocket only if the ground is dry enough. The height the rocket goes will vary with the wind and the press.

B. Follow the recommendations of your kit.

C. Be sure to remove the igniter before storage. The igniter may burn the engine if not removed.

D. For future reference.

13. MISFIRES
A. Lift off is away when the rocket does not take off.

B. Be sure to remove the igniter before storage. The igniter may burn the engine if not removed.

C. Do NOT remove the igniter before storage. The igniter may burn the engine if not removed.

D. Do NOT place the rocket on the ground during assembly.

E. Do NOT use your prepared engine.

F. Be sure to remove the igniter before storage. The igniter may burn the engine if not removed.

G. Do NOT place the rocket on the ground during assembly.

H. Do NOT use your prepared engine.

I. Be sure to remove the igniter before storage. The igniter may burn the engine if not removed.

J. Do NOT place the rocket on the ground during assembly.

K. Do NOT use your prepared engine.

L. Be sure to remove the igniter before storage. The igniter may burn the engine if not removed.

M. Do NOT place the rocket on the ground during assembly.

N. Do NOT use your prepared engine.

O. Be sure to remove the igniter before storage. The igniter may burn the engine if not removed.

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

B. Recommended Engines: B4-2, B6-2, C6-3

C. Igniter Plugs (w/ engines)

D. Igniters (w/ engines)

E. Recovery Wadding

F. Electron Beam® Launch Controller

G. Porta-Pad® II Launch Pad

H. Heat Reflective Tape

I. Fuselage (1)

J. Vertical Stabilizer (1)

K. Nose Cone (1)

L. Engine Hook EH-2

M. Yellow Spacer Tool

N. Small (1)

O. Steel Ball

P. Red Plastic Nose Cone

Q. Clay Weight

R. Pin-20A (1)

S. Plastic Streamer 30"

T. Rubber Shock Cord

U. Green Engine Block AR-520

V. Fuselage (1)

W. Heat Reflective Tape (1)

X. Vertical Stabilizer (1)

Y. Heat Reflective Tape (1)

Z. Fuselage (1)

AA. Vertical Stabilizer (1)

BB. Fuselage (1)

CC. Vertical Stabilizer (1)

DD. Fuselage (1)

EE. Vertical Stabilizer (1)

FF. Fuselage (1)

GG. Vertical Stabilizer (1)

HH. Fuselage (1)

II. Vertical Stabilizer (1)

JJ. Fuselage (1)

KK. Vertical Stabilizer (1)

LL. Fuselage (1)

MM. Vertical Stabilizer (1)

NN. Fuselage (1)

OO. Vertical Stabilizer (1)

PP. Fuselage (1)

QQ. Vertical Stabilizer (1)

RR. Fuselage (1)

SS. Vertical Stabilizer (1)

TT. Fuselage (1)

UU. Vertical Stabilizer (1)

VV. Fuselage (1)

WW. Vertical Stabilizer (1)

XX. Fuselage (1)

YY. Vertical Stabilizer (1)

ZZ. Fuselage (1)
1. INSTALL ENGINE BLOCK
   A. Measure and mark engine block (6.4 cm) from rear, as shown.
   B. Cut a 2 1/2" (6.4 cm) slit at the 1/4" (6 mm) from end, as shown.
   C. Mark yellow spacer cut 1/4" (6 mm) from end.
   D. Smear glue 1/2" (6 mm) inside rear engine mount tube.

2. ATTACH GLIDER CARRIER
   A. Position and insert engine hook into slit as shown.
   B. Cut out shock cord onto rear of engine mount tube flush with end. Let dry.
   C. Align slot in glider carrier over engine hook. Place glider carrier from rear, as shown.

3. INSTALL SHOCK CORD MOUNT
   A. Cut out shock cord mount.
   B. Press shape into shock cord and glue in place.
   C. Apply glue.

4. ATTACH SHOCK CORD AND STREAMER
   A. Using one square of clay, roll into “snakes”.
   B. Insert small steel ball into black nose cone.
   C. Push large steel ball into base nose cone.
   D. Insert nose cone insert. Let dry.
   E. Insert nose cone insert. Let dry.
   F. Lay shock cord over end of engine mount tube, glue in place. Wrap the tape under the engine hook down fully. Let dry.
   G. Apply tube-type plastic cement to tabs on glider hook. Apply remaining piece of red vinyl tape to the other side of the glider carrier.

5. CONSTRUCT GLIDER
   A. Position slotted end of boom into rear of fuselage. Slot in boom must go all way forward, glue in place.
   B. Press nose cone all the way onto end of fuselage. Hold in place. Let dry.
   C. Insert slotted end of boom into rear of fuselage. Slot in boom must go all way forward, glue in place.
   D. Using one square of clay, roll into “snakes”.
   E. Apply tube-type plastic cement on end of fuselage tip as shown.
   F. Press nose cone all the way onto end of fuselage. Hold in place. Let dry.
   G. Press nose cone all the way onto end of fuselage. Hold in place. Let dry.
   H. Press nose cone all the way onto end of fuselage. Hold in place. Let dry.
   I. Position die cut holes in wing over socket in wing saddle. Press wing onto wing saddle.
   J. Apply reflective tape on top of horizontal stab and fold over leading edge of stab.
   K. Remove backing from double-sided tape. Press nose cone all the way onto end of fuselage. Hold in place. Let dry.
   L. Mark yellow spacer cut 1/4" (6 mm) from end.
   M. Press nose cone all the way onto end of fuselage. Hold in place. Let dry.