

### 7. PREPARE PARACHUTE FOR FLIGHT

**A.** Insert 3-4 squares of loosely crumpled recovery wadding into front of power pod.

**B.** Spike parachute.

**C.** Fold.

**D.** Roll.

**E.** Wrap lines loosely. Insert chute, and shock cord into power pod.

**IMPORTANT:** Wadding must be in place and slide freely for rocket to work properly.

**NOTE: Only Estes Wadding (302274) Recommended.**

**IMPORTANT:** Parachute should slide easily into body. If fit is too tight, unfold and repack again.

### 8. PREPARE JETS FOR FLIGHT

**A.** Prepare parachute as instructed.

**B.** Slide power pod onto plastic coupler of one jet, with engine hook in the center.

**C.** Holding the jet with the power pod firmly in one hand, slide the second jet onto the front of the power pod. Make sure both jets are secured to the power pod.

**D.** Hold gliders vertically. Power pod should remain in place. If power pod does not stay in place, apply a strip of masking tape on inside of tube and recheck fit. It must be snug but not too tight, or jets will not separate.

### 9. 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 igniter before storing your engine.

**A.** Separate igniter and plug.

**B.** Insert igniter.

**C.** Insert plug.

**D.** Push down.

**E.** Gently bend igniter wires to form leads as shown.

**F.** Insert engine into rocket.

**IGNITER MUST TOUCH PROPELLANT!**

### COUNTDOWN AND LAUNCH

**1...** MASKING TAPE

**2...**

**3...**

**4...**

**5...**

**4... 3... 2... 1...**

**INSERT KEY. PUSH DOWN FIRMLY AND HOLD.**

**HOLD KEY DOWN AND PRESS LAUNCH BUTTON UNTIL LIFT-OFF!**

**NOTE:** So that you don't lose sight of your jets or power pod, it's a good idea to have another person observe the launch and recovery, as the jets and power pod descend separately.

**ESTES LAUNCH SUPPLIES (Sold Separately)**

- Recovery Wadding (included with some engines)
- Igniters (with Engines)
- Igniter Plugs (with Engines)
- Recommended Engines: B6-2, C6-3

### PRECAUTIONS

NAR Safety Code

**NO DRY GRASS OR WEEDS**

### FLYING YOUR ROCKET

Choose a large field (1000 ft. [305 m] square) free of dry weeds and brown grass. The larger the launch area, the better your chance of recovering your jets. 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 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.

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# AIR★SHOW™

FLYING MODEL ROCKET KIT INSTRUCTIONS  
KEEP FOR FUTURE REFERENCE

**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.

### 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.

**RUDDER ASSEMBLY (1)** (61011)

**JET FUSELAGE W/WING (2)** (61010)

**ENGINE MOUNT TUBE BT-760 7.875" (20 cm) (1)** (31678)

**GREEN CENTERING RING RA-76055 (3)** (30133)

**BODY TUBE BT-55 4.25" (10.8 cm) (1)** (31679)

**GREEN ENGINE BLOCK AR-520 (1)** (30162-2)

**ENGINE HOOK EH-2 (1)** (35021)

**LAUNCH LUG 1/8" X 13" LL-2 (1)** (38187)

**YELLOW SPACER TOOL ET-2 (1)** (35003)

**CLAY WEIGHT (2)** (85705)

**RUBBER SHOCK CORD 1/8" X 18" (1)** (38366)

**RUDDER ASSEMBLY (1)** (61011)

### SUPPLIES

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

**SCISSORS** **PENCIL** **RULER** **FINE SAND PAPER (#400-600 GRIT)** **CARPENTER'S GLUE** **WHITE GLUE** **HOBBY KNIFE** **COTTON SWAB** **MASKING TAPE**

# 1. ASSEMBLE POWER POD

**A.** Measure and mark engine mount tube at 1" (25 mm), 2-3/8" (6 cm) and 7" (17.8 cm).

**B.** Cut a 1/8" (3 mm) slit at the 2-3/8" (6 cm) mark.

**C.** Mark yellow spacer tool 3/8" (10 mm) from end.

**D.** Use a cotton swab and smear glue 2" (5.1 cm) inside rear of engine mount tube.

**E.** Using yellow spacer tool, push engine block into engine mount tube, up to mark on tool. **Remove yellow spacer tool immediately.** Let dry.

**F.** Apply glue around tube just ahead of the 1" (25 mm) mark. Position and insert engine hook into slit as shown.

**G.** Slide one green centering ring (engine hook retainer) onto engine mount tube and over engine hook up to the 1" (25 mm) mark.

**H.** Apply glue around tube just ahead of 7" (17.8 cm) mark. Slide second green centering ring onto engine mount tube up to the 7" (17.8 cm) mark.

**I.** Apply glue around end of tube and slide third green centering ring onto tube, flush with end. Let assembly dry.

**J.** Smear glue up to 1/2" (13 mm) inside end of body tube. Insert engine mount sub-assembly into tube until **second** green centering ring is flush with end of tube.

**K.** Completed power pod. Let dry.

# 2. INSTALL SHOCK CORD MOUNT

**SECTION 3**

**A.** Cut out shock cord mount at left.

**B.** Fold at dotted lines.

**C.** Apply glue. Fold forward.

**SECTION 2**

**D.** Apply glue. Fold forward.

**E.** Squeeze tightly and hold for one minute.

**SECTION 1**

**F.** Glue shock cord mount 1" (25 mm) inside front of power pod. Hold until glue sets. Let dry.

# 3. ATTACH PARACHUTE

**A.** Form loop in shroud lines.

**B.** Pass shock cord through loop and tie shock cord to parachute using a double knot.

# 4. ATTACH RUDDER ASSEMBLIES

**A.** Smear white glue on bottom, sides and front of one rudder assembly as shown.

**B.** Attach rudder assembly to rear of jet. Let dry.

**C.** Repeat for other jet. Let dry.

# 5. BALANCE JETS FOR FLIGHT

**A.** Place a jet on your thumb and finger approximately 5" (12.7 cm) from the rear of the jet as shown. See if it will balance.

**B.** If jet does not balance, add or remove small amounts of clay weight to the nose cavity until the jet is balanced or level while holding it as shown.

**C.** Repeat for other jet.

# 6. GLIDE TEST

**NOTE: PERFORM GLIDE TEST ON SOFT, GRASSY, AREA SO YOU DON'T DAMAGE YOUR JET.**

**A.** Hold jet at eye level, aim at a spot about 50 feet (15 m) away and toss jet straight out.

**B.** Observe glide carefully. Make adjustments a little at a time until you are satisfied with the glide.

**C.** Once satisfied with glide, press clay firmly into nose cavity.

**REPAIRING THE JETS**  
Use white glue to repair any breaks in the foam on the jets. Make sure to let the glue dry completely before attempting to launch. After the repair, you should check the balance of the jet and perform a glide test before launching. See Step 5 for balancing and Step 6 for the glide test.

**GLIDER ADJUSTMENTS:**  
**If jet DIVES:** Remove weight, a little at a time, from nose cavity.  
**If jet STALLS:** Add clay weight, a little at a time, to nose cavity.  
**If jet TURNS TOO SHARPLY:** Gently bend elevator section of the down wing up. The jet should perform a large, gliding circle during descent.