



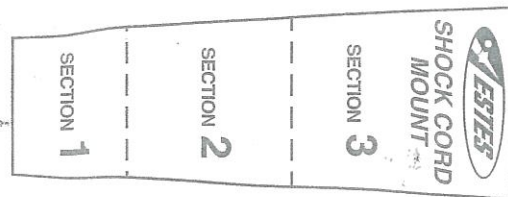
www.estesrockets.com

Estes® Industries
1295 H Street
Penrose, CO 81240
PRINTED IN CHINA

SR-71 BLACKBIRD™

FLYING MODEL ROCKET KIT INSTRUCTIONS

Keep for Future Reference

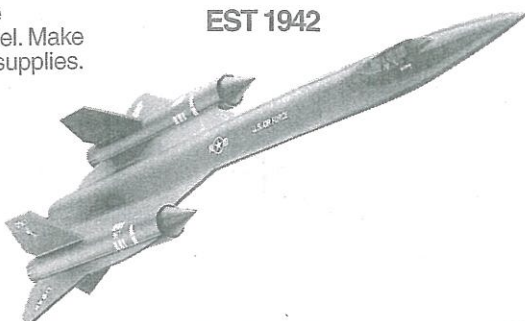


ASSEMBLY TIP

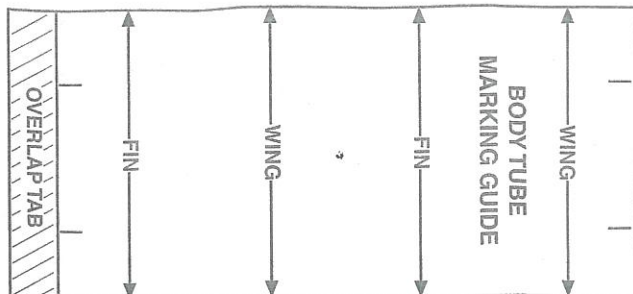
Read all instructions before beginning work on your model. Make sure you have all parts and supplies.

TEST FIT ALL PARTS TOGETHER BEFORE APPLYING ANY GLUE!

If any parts don't fit properly, sand as required for precision assembly.



EST 1942



PARTS

Locate the parts shown below and lay them out on the table. DO NOT USE THE DRAWINGS TO ASSEMBLE YOUR ROCKET.

Body Tube (1) (30366)

Engine Nacelle Tubes (2) (30359)

Engine Mount Tube (Blue) (1) (30326-1)

Launch Lug (1) (38175)

Pattern Sheet (A) (1) (83760)

Die-Cut Balsa Sheet (2) (32642)

Die-Cut Paper (1) (32456)

Inlet/Tail Cones (2) (71023)

Centering Rings (Green) (2) (30164-2)

Nose Cone (1) (72023)

Clay Weight (1) (85704)

Engine Hook (1) (35021)

Assembled Parachute 18" (46 cm) (1) (35802)

Shock Cord 1/4" x 24" (1) (38383)

Decal (1) (037259)

Pattern Sheet (B) (1) (83761)

SUPPLIES

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



SCISSORS



PENCIL



RULER



CARPENTER'S GLUE



MODELING KNIFE



WAX PAPER



FINE SAND PAPER (#400-600 GRIT)



ROCKET BUILDER'S MARKING GUIDE-EST 302227 (Optional)



SPRAY PAINT (Gloss Black)



SPRAY CLEAR COAT (Optional)



SPRAY PAINT PRIMER (Optional)



PLASTIC CEMENT



MASKING TAPE



RAZOR SAW

HELPFUL HINT: IF NOSE CONE/COUPLER FIT IS...

TOO LOOSE

TOO TIGHT

ADD MASKING TAPE.

SAND FOR FIT.

1. ROCKET ASSEMBLY

A. Cut out and assemble wing jigs from separate pattern sheet.



B. Fold on dotted lines. Slide ends together as shown. These will be needed in Step 5.

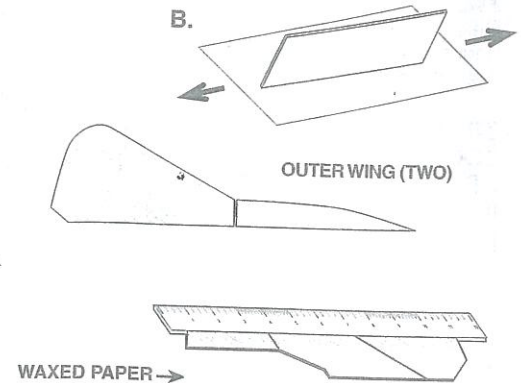
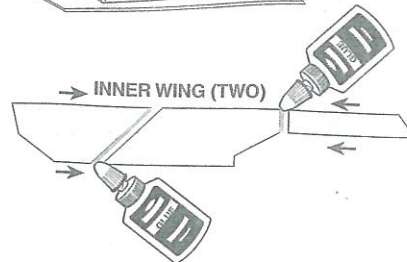
2.

A. Fine sand both sides of balsa sheets. Carefully remove parts by freeing edges with a sharp knife.



B. Stack alike parts together. Sand all edges smooth.

C. Lay a piece of waxpaper on a flat surface and glue wing sections together as shown. Repeat this procedure for other wings. Once glue has dried, sand joints smooth.



3.

A. Mark engine mount tube from one end as shown.

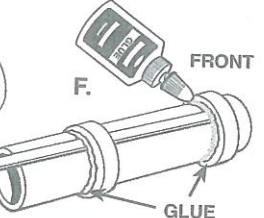
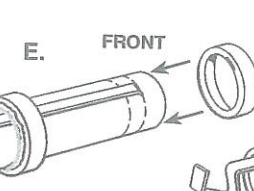
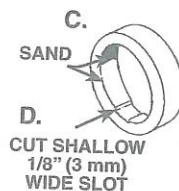
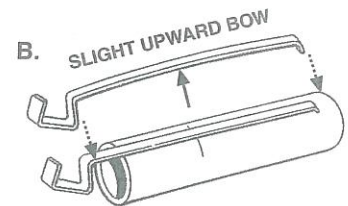
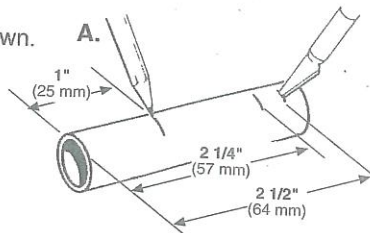
B. Cut 1/8" (3 mm) long slit at 2-1/2" (64 mm) mark. Bend engine hook slightly in the middle as shown. Insert hook into slit.

C. If green centering rings do not slide on blue tube easily, then lightly sand inside edges of two centering rings to remove burrs.

D. Cut 1/8" (3 mm) wide shallow slot inside both rings as shown.

E. Glue one ring at 1" (25 mm) mark. Make sure engine hook is straight on tube. Let dry.

F. Glue other centering ring at 2-1/2" (64 mm) mark. Let dry.

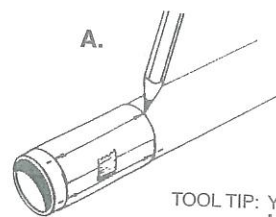


4.

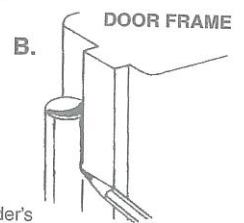
A. Cut out marking guide from front of instructions and wrap it around main body tube. Tape ends together as shown. Mark tube at each arrow point.

B. Remove guide and draw straight lines through the marks. Extend lines the length of tube.

C. Mark two shorter body tubes with same procedure.



TOOL TIP: Before marking tubes, lightly sand (400-600 grit) body tubes. This will allow the glue to adhere better to the surface.



TOOL TIP: You can use the Rocket Builder's Marking Guide™ to mark the tube - use the BT-50 four fin markings.

5.

A. Rub a thin film of glue into the root edge of a wing. Allow it to dry for a minute or two, then position wing on alignment line of large body tube so front of wing is flush with end of body tube. Let dry.

B. To insure proper alignment, use wing jigs from Step 1. Place jig and tube on flat surface and center wing on top of jig. Repeat procedure for other wing using second jig.

