

Here's HOW TO BUILD YOUR MODEL RIGHT!

ASSEMBLE WING TIPS ON PLAN

DD DD FILLER PIECES DOUBLER LEADING EDGE RAZOR SAW PLAN TRAILING EDGE PLYWOOD JOINER

RIGHT TIP COMPLETE LEFT TIP ASSEMBLE ON FLAT SURFACE

1 Take time to study entire plan before beginning assembly. Use balsa model airplane cement (not "Extra Fast") and pins. Carefully join parts shown above on a smooth flat surface.

2 Use fine "razor" saw to cut leading edge apart at center of plan. Repeat with trailing edge. Join leading edge, tips, and plywood joiner over plan. Let dry.

3 Wrap 4/0 sandpaper around a block, and sand parts above flat and smooth. Round all edges except where parts later will be joined.

4 Cement plywood firewall and "T" fixture to fuselage. Use "T" to help square firewall with fuselage. Note ends of "T" to be removed in step 6.

5 Remove pins. Cement tip ribs and center ribs in place. Leave platforms attached. Add trailing edge, balsa joiner, and nylon. Later, add remaining ribs.

ENGINES TO USE

All half-A .049 engines are suitable, and may be mounted directly to the firewall, or beam-mounted if necessary.

Light .09 engines may also be used.

In some cases, stunt-type tanks may be necessary. For 1/2A, use No. 2 tank; for .09, use No. 3.

NEW SHOCK-ABSORBER LANDING GEAR

NYLON 1" LONG TAIL GEAR FULL SIZE SHAPE RUBBER BANDING PLUG WITH SCRAP

6 Remove ends of "T". Set landing gear in place, and wind rubber band around as shown.

7 Bend tail gear as shown. Slip tail wheel in place. Cement firmly to fuselage with nylon reinforcement.

8 Add scrap filler blocks to wing tips. Cement to RIGHT-HAND TIP rolled-up empty cement tube, or 1/4 oz. weight. Remove platforms from ribs. Sand all edges smooth, and round wing tips.

9 Bend pushrod to pattern below, with sharp right angle bends. Screw bellcrank assembly to plywood crank support. Turn screw until tight, then loosen slightly till crank is free.

10 Use 1/64" music wire or Dacron flying line for wing leadouts, and attach to bellcrank. Complete as per sketches in Wing, below. Cement crank support firmly to center ribs. Bend and pierce scrap from plastic canopy, and cement to wing tip.

LEAVE OUT IF USING WEDGE TANK SEE INSTALLATION BELOW

SANDING BLOCK STABILIZER PLASTIC SCRAP SEE WING, BELOW NEW "APEX" WING LEADOUTS

11 Join center section sheeting, and cement in place, top and bottom.

12 Try paper covering on wing for size, then cut into four pieces. Attach paper with clear dope to wing center first, then work out towards tip. Dope to outlines only; gently pull out wrinkles as you go. Easiest, best way is to apply paper while damp. Spray with water. Avoid causing wing to twist. When dry, paper will tighten. Sand all excess, dope edges down.

13 Cement wing firmly to fuselage. See little holes through paper on center sheeting to aid line-up. Straighten from rear view, also.

14 Cement fairing blocks to fuselage, wing, and firewall as shown; also to each other. Double-cement fronts of blocks before setting in place.

15 Sand flat tail and smooth. Round all edges. Cement nylon hinges to stabilizer, add elevator horn, and draw elevator very close to stabilizer.

CUT OUT FOR WING NYLON SAND TO MATCH FIREWALL

16 Smooth up fairing blocks, and round all corners to match firewall. Cement nylon reinforcing strip as shown. Cut out for wing as needed.

17 Assemble rudder and fin with 3/16" offset for right turn as shown. Cement stabilizer and rudder in place. Check from front and rear for correct line-up, and straighten before cement dries.

18 Bend and cement lug firmly in place. Adjust kink as necessary to get equal movement of elevator up and down. Make sure elevator and ballcrank operate freely and without effort.

19 Paint portion of cockpit cutout block as indicated. Add seat back. Apply equally on both sides of all surfaces. 2 thin coats clear dope, and sand lightly.

20 Apply equally on both sides 2 thin coats color dope. Sand lightly between coats. Add decals, pilot, canopy, and trimming details. If color dope is not fast proof, apply 1 coat clear fuel proof all over, 2 coats around nose and center of model. Try fuel proof on small portion of decal. If OK, apply quickly and lightly over decals. Do not use clear Aero Gloss for this purpose. Press eyelets into wheels, slip wheels on, add washers, and screw wheel retaining springs onto axles. Car-line with Pre-Flight Instructions.

LIL JUMPIN' BEAN
FLYING MODEL, KIT G8
STUNT CONTROL LINE MODEL
FOR .049 TO .099 GAS ENGINES

Wingspan 21"
Length 15"
Weight 5 oz.

Designed and drawn by:
Carl Goldberg
Bob & J.C. M. Vickers

CGI CARL GOLDBERG MODELS INC.
4734 W. CHICAGO AVE. • CHICAGO, ILLINOIS 60651

Other models shown: STANTON 13 KIT G1, SPACE JET 31 KIT G5, SHOSHAN 18 KIT G3, VA BLAZER KIT G1, RANGER 28 KIT G2, CESSNA 180 KIT G4, RANGER 21 KIT G3, SHOOTING KIT G2, LITTLE TOOT KIT G4, RANGER 30 KIT G2, SPIRIT OF ST. LOUIS KIT D1.

PRE-FLIGHT INSTRUCTIONS

SIDE THRUST WASHER FLYING LINES TAPE HANDLE CHECK BALANCE

Mount engine with sheet metal screws given, or use No. 3-48 machine screws with nuts behind firewall. Note washers for side thrust to help hold flying lines tight. Use dacron or thin cotton thread for flying lines about 25 feet long. Make handle of broom stick or any other stick about 4-1/2" long, with a hole at each end. Adjust lines until elevator is neutral when handle is vertical. Tape line to handle so it can't shift.

LET'S HAVE FUN!

BALLOON BUSTING RACING COMBAT

You can do exciting things with your model. Try setting up a balloon as shown above, and see how many "pops" it will take you to break it. If you get pretty good, make it harder by setting an obstacle stick ahead of the balloon, so that you'll only be able to dive at it in the last second.

Speed flying. Here you have your plane timed to see how fast it can go. Have someone time your plane for 8 laps, using a stopwatch. You can then find your speed in this SPEED CHART.

26-1/4 FT. LINES		8 LAPS (1/4 MILE)	
SEC.	M.P.H.	SEC.	M.P.H.
15.0	60.0	17.5	51.4
15.5	58.1	18.0	50.0
16.0	56.3	18.5	48.6
16.5	54.5	19.0	47.4
17.0	52.9	19.5	46.2
		20.0	45.0
		20.5	43.9
		21.0	42.9
		21.5	41.9
		22.0	40.9
		22.5	40.0
		23.0	39.1
		23.5	38.3
		24.0	37.5
		24.5	36.7

YOUR SUGGESTIONS WANTED!

Modelers often have ideas for improvements. We will be happy to hear from you by post card or letter on:

- Your suggestions.
- What you like best about our models.
- What three new models you'd most like to see us bring out.

Be sure to include your name, age, and address so we can reply and thank you.

HOW TO WIN YOUR PILOT'S LICENSE!

First, build your model carefully and accurately, following instructions. Cement all the joints firmly. Sand the entire model neat and smooth, with rounded edges especially on the wing and tail. Keep it light.

Second, follow the Flying Instructions to get your model in perfect "flying trim." Get lots of practice in flying it, and learn to make small adjustments to help it fly more smoothly.

Third, have your model timed to see how long it can stay up. The timer can be your teacher, scoutmaster, parent or a friend, and should use a stopwatch or a sweep-second watch. When you have successfully achieved the necessary time as shown in the application, fill it out and send it in with 10¢ to cover the handling and mailing costs. Within a short time (allow three weeks), you will receive a handsome certificate inscribed in your name, giving real recognition to your building and flying achievements!

LICENSE APPLICATION

Name _____ My Age _____
Address _____ State _____
City _____

I am enclosing 10¢ to cover the costs of handling and mailing my pilot's license. My plane, L'il Jumpin' Bean, made a flight of _____ seconds.
Timer's Signature _____

CGI CARL GOLDBERG MODELS INC.
4734 W. CHICAGO AVE. CHICAGO, ILLINOIS 60651

WEDGE TANK INSTALLATION

RUBBER BAND HOOK HOOK FUEL LINE OVERFLOW TUBE NYLON

Use a wedge tank if your engine has no tank, or one not suitable for stunting. (For 1/2A, use No. 1-2 Kappak or Perfect tank; for .09, use No. T-3). Bend hooks from pins, cement in place, and secure tank with rubber band. Bind and cement front end firmly with nylon.

SCAP FILLER BLOCKS TOP & BOTTOM

1 Sand entire wing smooth. Dope framework one or two coats, then sand lightly to remove fuzz.

2 Try paper covering over wing, then cut into four pieces. Spray with water.

3 Apply dope to center of bottom of wing, and lay damp paper in place. Lift paper as shown and proceed with dopping framework and laying paper.

4 As you go, gently pull out major wrinkles. This paper has good wet-strength but can be torn. If wrinkles are only minor, they will disappear when paper dries.

5 When entire wing is covered, sand off paper excess. Dope edges, and rub dope in with fingers for smooth job. Proceed with clear and color dopping.

LEFT HAND TIP PLASTIC SCRAP FROM CANOPY BEND AND PIERCE IN CENTER 1/64" MUSIC WIRE OR DACRON LINE ALLOW 2-1/4" CAUTION-KEEP JOINER CLEAR OF NOTCHES SHEET CENTER SECTION AFTER CONTROL SYSTEM IS COMPLETE PLYWOOD JOINER CRANK SUPPORT BELLCRANK PUSHROD CENTER SHEETING CEMENT SECURELY TO RIBS 1/16" BALSAL JOINER NYLON 3/16" FULL SIZE PUSHROD ADJUSTMENT KINK BEND STRAIGHT UP BEND UP

