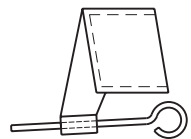


JASCO Flash X-12 Reproduction Drawing Package

By Paul Bradley

Use a 5 1/2" prop for this model. The original kit used a plastic prop hanger that fits over the nose of the balsa fuselage stick. An alternative front end can be made up using this drawing.

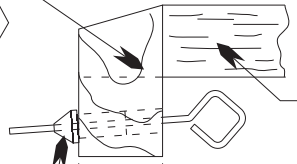


Style of original kit plastic prop hanger

1/64" Plywood Sides



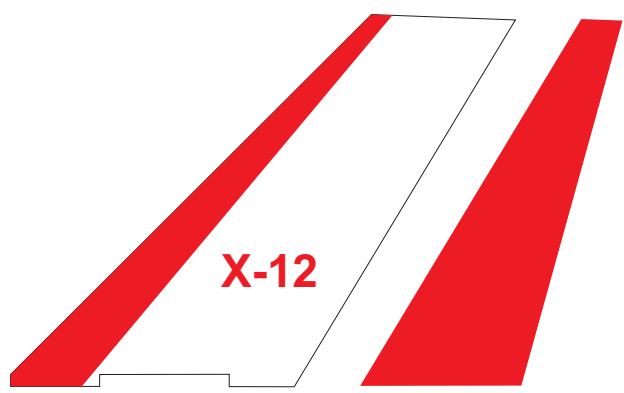
3/16" Balsa Core



Balsa Motor Stick

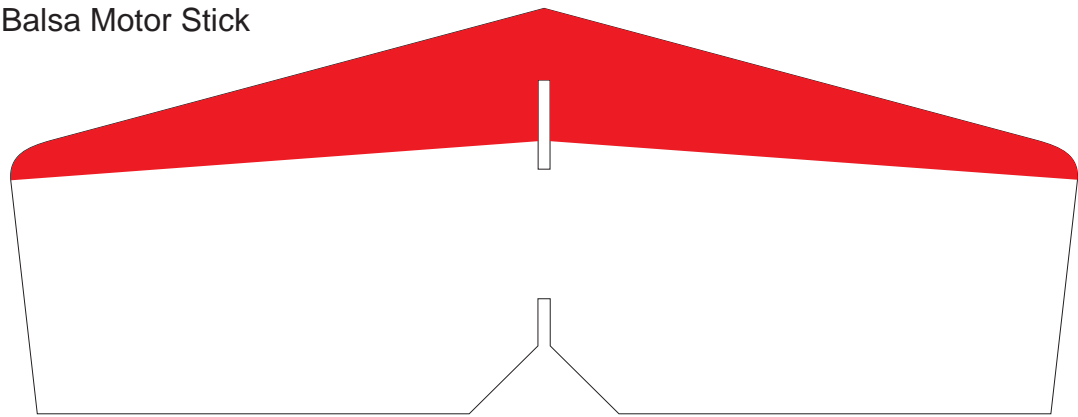
Peck Thrust Bearing

7/16"

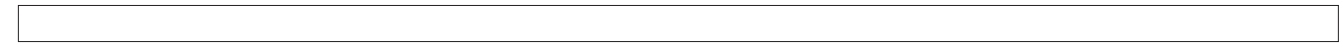
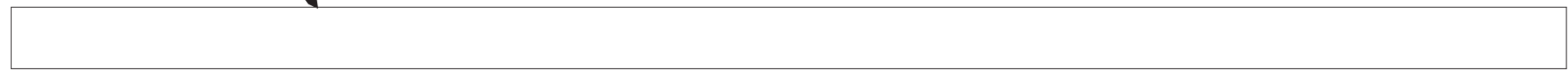


X-12

Tail surfaces can be 1/16" or 1/20" balsa



Motor Stick
3/8"x3/16" Balsa
Strip 9.5" Long



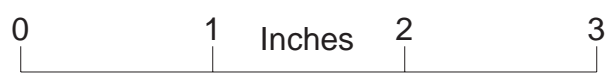
Wing Rest 3/16"x3/32"
Spruce 4" Long



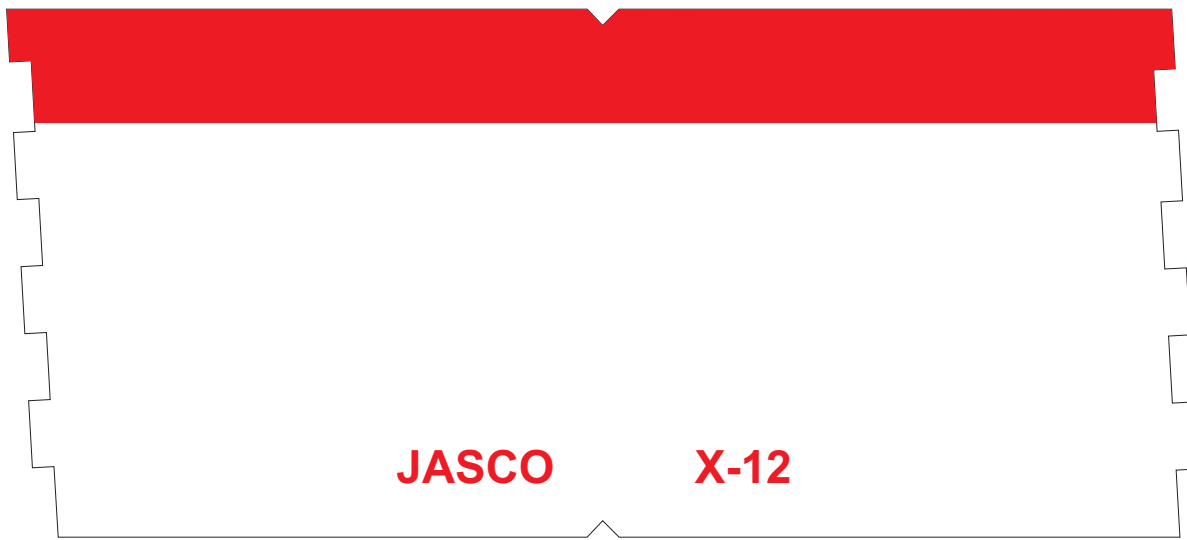
Incidence strip -
3/16"x3/32" Spruce



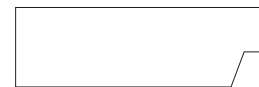
Tail Boom 3/16"x3/32"
Spruce 6 7/8" Long



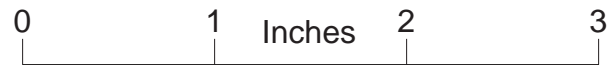
JASCO Flash X-12



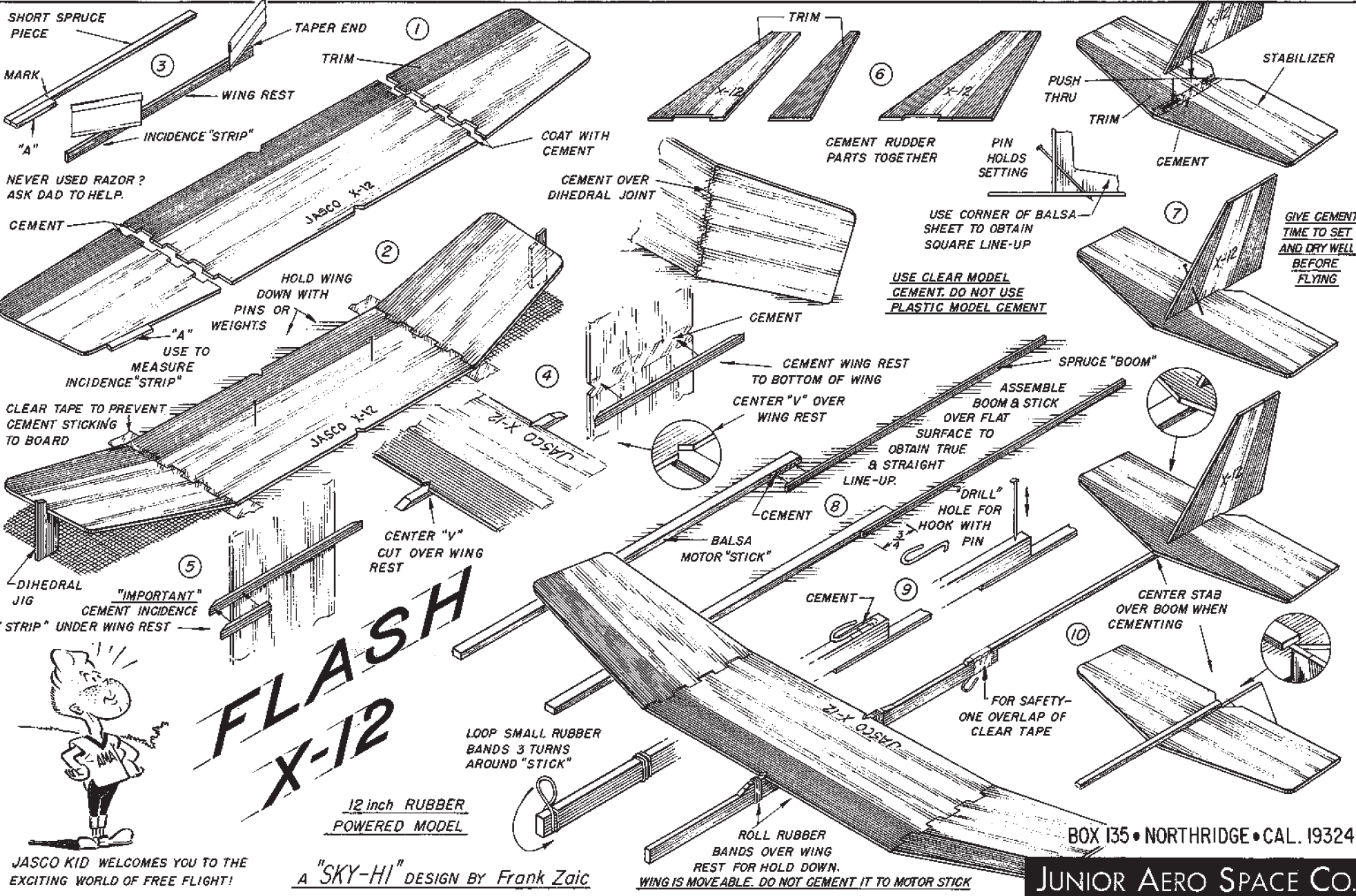
Wing surfaces can be
1/16" or 1/20" balsa



Dihedral Jig Parts



JASCO Flash X-12



FLASH X-12

12 inch RUBBER POWERED MODEL

A "SKY-HI" DESIGN BY Frank Zaic



JASCO KID WELCOMES YOU TO THE EXCITING WORLD OF FREE FLIGHT!

BOX 135 • NORTHRIDGE • CAL. 19324

JUNIOR AERO SPACE CO.



For Flying Models

- 1- THIS IS A FAST AND HIGH-CLIMB MODEL. IT MUST BE ADJUSTED TO CLIMB IN RIGHT SPIRAL. TEST IN CALM OR LIGHT BREEZE.
- 2- LOCATE WING AS SHOWN. WIND RUBBER 200 TURNS. LAUNCH, WITH BREEZE ON LEFT CHEEK, POINTING WAY UP.
- 3- NORMALLY THE MODEL MAY CLIMB HESITATE AND LEVEL OUT. SEE "A," IT MAY DO THIS SEVERAL TIMES. WHEN IT LANDS, DO NOT CHANGE WING POSITION BUT MAKE ADJUSTMENT ON RUDDER BY BENDING IT SLIGHTLY TO RIGHT. SEE SKETCH.

- 6- HIGH CLIMB WITHOUT A GOOD GLIDE MAKES A MODEL USELESS FOR THERMAL HUNTING. AFTER THE PROP STOPS, THE MODEL SHOULD CONTINUE TO TURN IN A SMOOTH RIGHT TURN. IF IT DOES NOT, CORRECT:
 - 7- STALLING OR SLOPPY GLIDE MAY BE CAUSED BY NOT ENOUGH RIGHT RUDDER, WING TOO FAR FORWARD OR A COMBINATION OF BOTH.
 - 8- STEEP TURN IN GLIDE MAY BE CAUSED BY TOO MUCH RIGHT RUDDER, WING TOO FAR BACK OR A COMBINATION OF BOTH.

- 9- IDEAL ADJUSTMENT DEPENDS ON THE INTERPLAY BETWEEN WING POSITION AND RUDDER SETTING. TRY ALL POSSIBLE COMBINATIONS.

- 4 - CONTINUE TO INCREASE NUMBER OF TURNS AND RUDDER BENDING UNTIL YOU OBTAIN FLIGHTS LIKE "B." LONG EXPOSURE TO SUN OR MOISTURE MAY WARP THE MODEL AND CHANGE ADJUSTMENTS.

- 5 - WHEN UNDER FULL POWER, IF THE MODEL CHASES TAIL (LIKE IN "C") INSTEAD OF CLIMBING UP, THE RUDDER MAY BE SET TOO MUCH RIGHT. THE WING TOO FAR FORWARD (SURPRISED?) OR COMBINATION OF BOTH.

TO SENSE WHEN RUBBER IS REACHING MAX TURNS, CHECK HOW MUCH ELASTICITY IS LEFT. WHEN RUBBER TIGHTENS SO THAT YOU CAN ONLY MOVE IT ABOUT ONE INCH EACH WAY, IT IS TIME TO STOP WINDING.

APPLY A DROP OF OIL ON BEARING AFTER EVERY 5th FLIGHT

CHECK BOOM TO MAKE SURE IT IS STRAIGHT. VERY IMPORTANT!

BE SURE TO EVEN UP KNOTS SEVERAL TIMES WHILE YOU ARE WINDING

RUBBER SUPPLIED IN KIT IS $3\frac{1}{2}$ WIDE, CONTEST GRADE, AND ENOUGH FOR TWO MOTORS.

THE ENDS WITH SQUARE KNOT BEFORE LUBRICATING—WET RUBBER, FORM KNOT, HOLD & PULL VERY HARD AS PER ARROWS.

MAKE MOTOR FROM 35" LENGTH OF $\frac{3}{8}$ " FLAT

RUBBER MUST BE LUBRICATED (DRY RUBBER WILL BREAK AFTER TWO-THREE FLIGHTS) USE JUST ENOUGH CASTOR OIL TO WET. RUB-IN BETWEEN PALMS.

IF UNABLE TO OBTAIN $\frac{3}{8}$ RUBBER LOCALLY, SEND 50¢ TO JASCO FOR 22 FT.

WASH AS BEST YOU CAN. THE WITH TWO OVER-HAND KNOTS.

WILL TURN TO LEFT - WILL TURN TO RIGHT - WING AND STAB SHOULD BE PARALLEL. IF NOT, TWIST BOOM TO MAKE THEM SO. ANGELED STAB WILL EFFECT TURN AS SHOWN.

Prize

FULLY WOUND MOTOR AND STRAIGHT RUDDER MAY CAUSE DISASTROUS LEFT SPIRAL DIVE

FOR SLOW FLYING, TRY 4 LOOP OF $\frac{1}{8}$ TH. 20 FT 50¢.

TO HOLD SETTINGS, CEMENT SOFT WIRE OR PAPER-WIRE STRIP AS SHOWN. NOTE OVERLAP.

RUDDER IS THE BASIC CONTROL SURFACE. IT MUST HOLD TURN SETTINGS, THEREFORE, TO PREVENT RUDDER BREAKING, WHILE BENDING IT, APPLY THIN COATS OF CEMENT ON BOTH SIDES.

BUILDING AND FLYING MODEL PLANES IS AN ART WHICH CANNOT BE ACHIEVED OVERNIGHT NOR PURCHASED WITH CASH. — IF YOU LIKE TO WORK WITH YOUR HANDS, ENJOY SOLVING PUZZLES, BUILDING & FLYING MODEL PLANES IS FOR YOU.

