

CUT NOTCH IN LEADING EDGE BEFORE GLUING WING TIP IN PLACE (SEE SKETCH BELOW)

ROUND LEADING EDGE WITH SANDPAPER AFTER WING IS ASSEMBLED

TRIANGULAR BRACE BLOCKS

1/8" SQ. Balsa LEADING EDGE

DARK BLUE TISSUE STRIPE

CUT AILERON TRIM TAB FROM THE PRINTED STIFF PAPER AND GLUE IT TO BOTTOM OF TRAILING EDGE.

TAPER TRAILING EDGE AS SHOWN IN SECTION

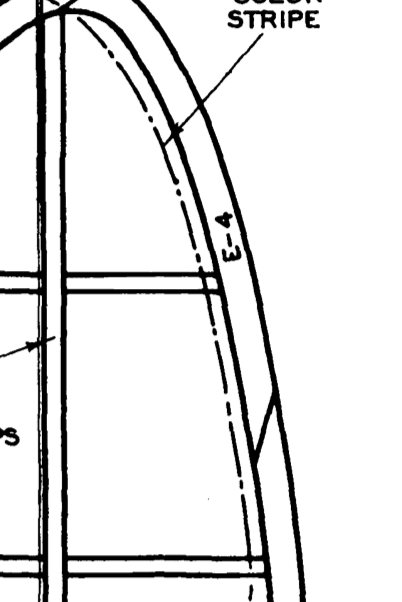
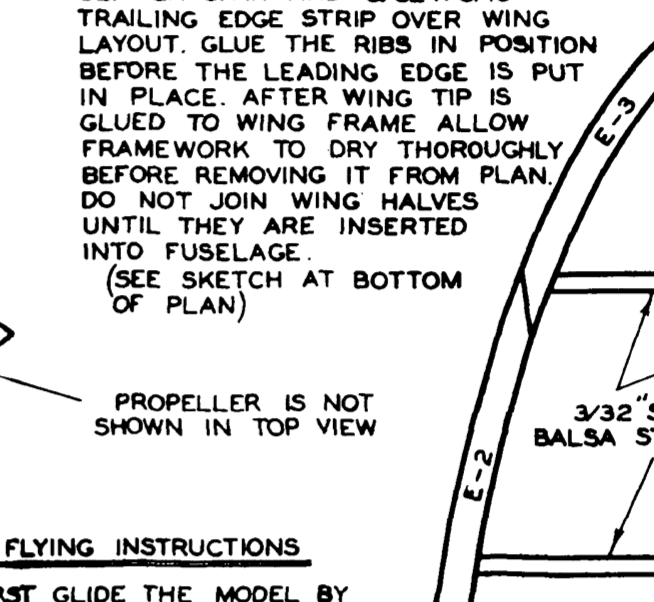
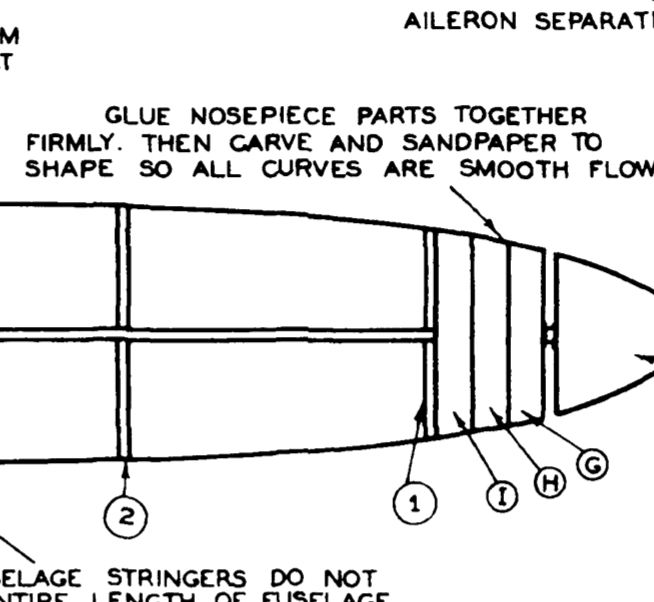
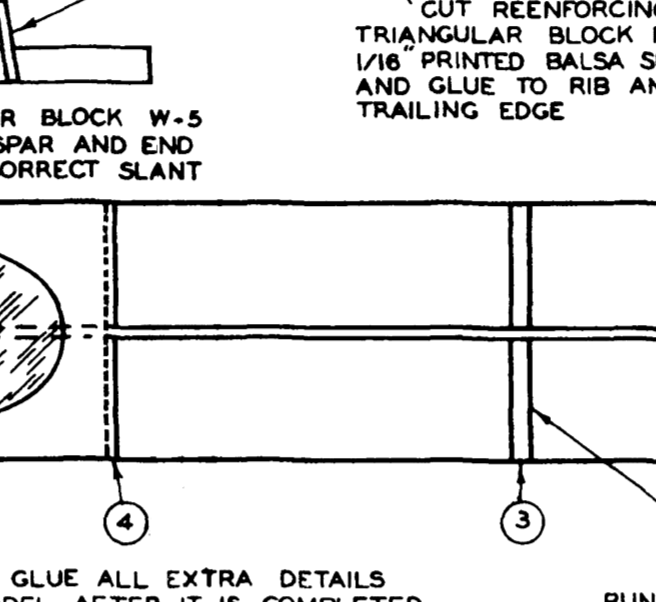
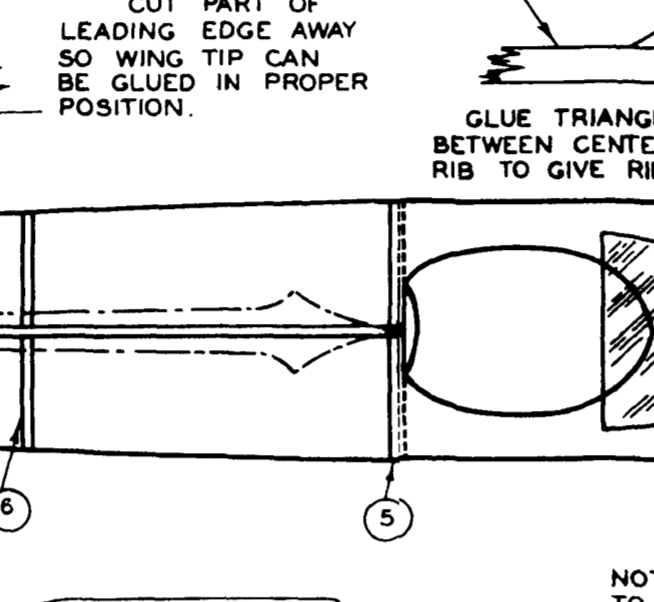
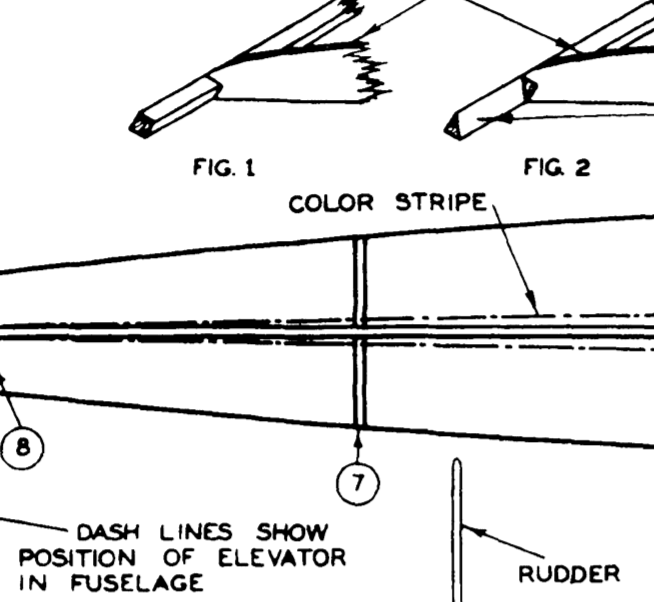
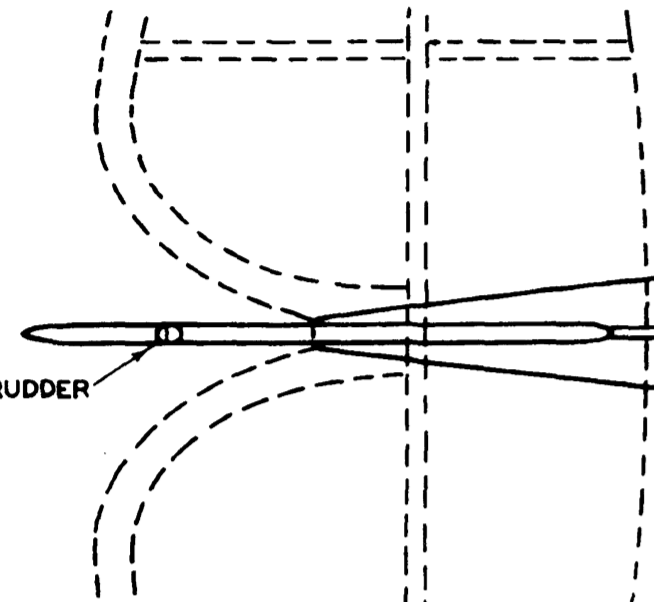
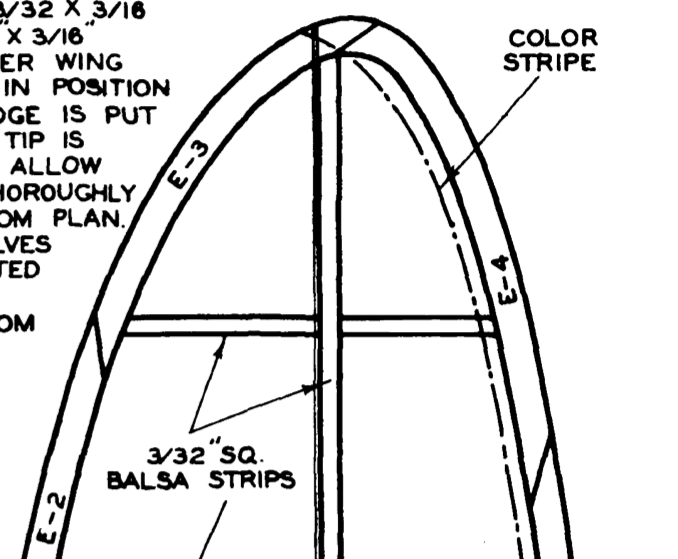
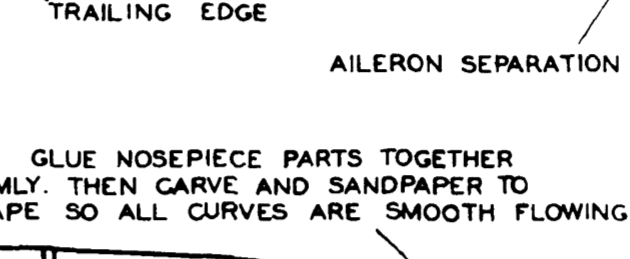
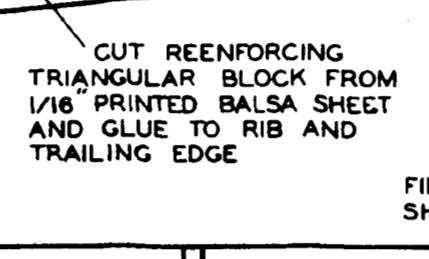
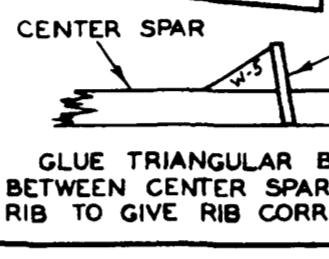
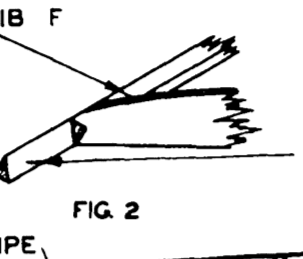
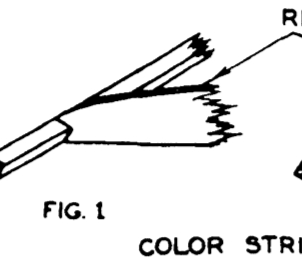
GLUE TRIANGULAR BLOCK W-5 BETWEEN CENTER SPAR AND END RIB TO GIVE RIB CORRECT SLANT

CUT REINFORCING TRIANGULAR BLOCK FROM 1/16" PRINTED Balsa SHEET AND GLUE TO RIB AND TRAILING EDGE

GLUE NOSEPIECE PARTS TOGETHER FIRMLY. THEN CARVE AND SANDPAPER TO SHAPE SO ALL CURVES ARE SMOOTH FLOWING

WING CONSTRUCTION
PIN THE TAPERED 3/32" X 3/16" CENTER SPAR AND 3/32" X 3/16" TRAILING EDGE STRIP OVER WING LAYOUT. GLUE THE RIBS IN POSITION BEFORE THE LEADING EDGE IS PUT IN PLACE. AFTER WING TIP IS GLUED TO WING FRAME ALLOW FRAMEWORK TO DRY THOROUGHLY BEFORE REMOVING IT FROM PLAN. DO NOT JOIN WING HALVES UNTIL THEY ARE INSERTED INTO FUSELAGE (SEE SKETCH AT BOTTOM OF PLAN)

CUT WING TIP PIECES FROM THE 3/32" PRINTED Balsa



DASH LINES SHOW POSITION OF ELEVATOR IN FUSELAGE

NOTE: AILERON, RUDDER AND ELEVATOR SEPARATIONS MAY BE REPRESENTED BY THIN PAPER STRIPS STUCK ON OR LINES DRAWN ON WITH RULING PEN.

NOTE: GLUE ALL EXTRA DETAILS TO MODEL AFTER IT IS COMPLETED.

FUSELAGE STRINGERS DO NOT RUN ENTIRE LENGTH OF FUSELAGE BUT ARE BUTT JOINED AT THIS 3/32" THICK FORMER

TAPER CENTER SPARS BEFORE ASSEMBLING WING

PROPELLER IS NOT SHOWN IN TOP VIEW

COLOR STRIPE

1-1/2" DIHEDRAL

DIHEDRAL IN THE WING GIVES MODEL LATERAL STABILITY WHILE IN FLIGHT.

PITOT TUBE MADE FROM 1/16" SQ. Balsa SANDED ROUND AND ASSEMBLED AS SHOWN ABOVE. PUSH POINTED END INTO LEADING EDGE OF LEFT WING PANEL

NOTE: AFTER PLANE IS COMPLETELY COVERED WITH THE LIGHT BLUE TISSUE, SPRAY MODEL WITH WATER TO MAKE TISSUE TAUT. CUT DARK BLUE TISSUE TO PATTERNS SHOWN AS BROKEN LINES AND STICK TO MODEL WITH BANANA OIL.

CUT CELLULOSE TO ABOVE SHAPE AND GLUE TO COCKPIT COWL.

THE TORQUE OF THE PROPELLER TENDS TO TURN THE MODEL TO THE LEFT. BEND RUDDER TRIM TAB TO THE LEFT IF SMALLER LEFT CIRCLES ARE DESIRED. IF PLANE SHOULD BANK TOO STEEPLY TO THE LEFT, BEND THE AILERON TRIM TAB DOWN OR TAKE SOME TURN OUT OF THE RUDDER.

ELEVATOR SEPARATION

GLUE POINTED END OF PIN FIRMLY TO THE LANDING GEAR STRUT

POWER THIS MODEL WITH 4 STRANDS OF 1/8" FLAT RUBBER

NOTE: AFTER PLANE IS COMPLETELY COVERED WITH THE LIGHT BLUE TISSUE, SPRAY MODEL WITH WATER TO MAKE TISSUE TAUT. CUT DARK BLUE TISSUE TO PATTERNS SHOWN AS BROKEN LINES AND STICK TO MODEL WITH BANANA OIL.

1/16" SQ. STRINGERS ARE GLUED IN OUTER NOTCHES

CEMENT COCKPIT COWL TO FORMERS 4 & 5 BEFORE MODEL IS COVERED WITH TISSUE

AFTER PROPELLER IS SHAPED, APPLY A FEW COATS OF BANANA OIL, SANDPAPERING BETWEEN EACH COAT

ROUND LEADING EDGE AND TAPER TRAILING EDGE OF ELEVATOR WITH SANDPAPER

RUDDER CONSTRUCTION
CUT THE CURVED RUDDER OUTLINE PIECES FROM THE 3/32" PRINTED Balsa SHEET AND GLUE THEM TOGETHER OVER PLAN THEN CEMENT THE 3/32" SQ. Balsa STRIPS IN PLACE. COVER RUDDER WITH TISSUE BEFORE GLUING IT TO THE FUSELAGE

RUDDER IS CEMENTED TO FUSELAGE AFTER ELEVATOR IS GLUED IN SLOT

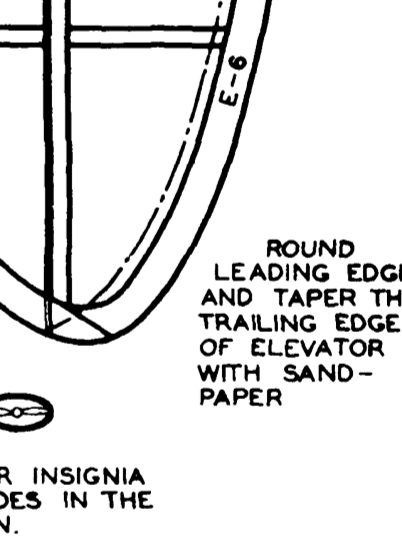
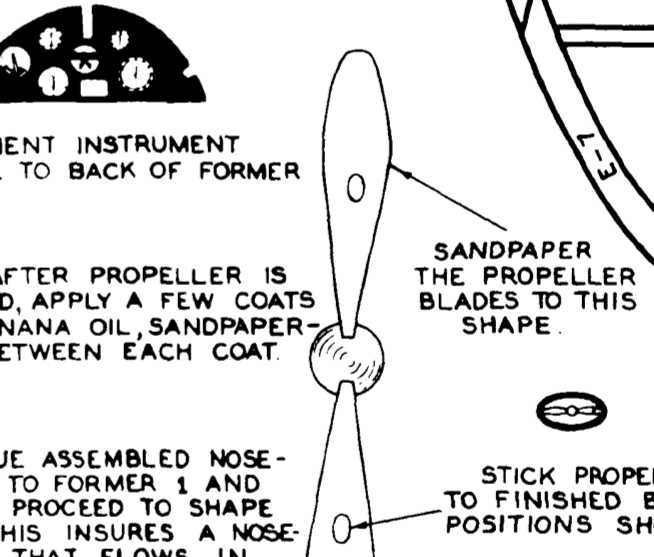
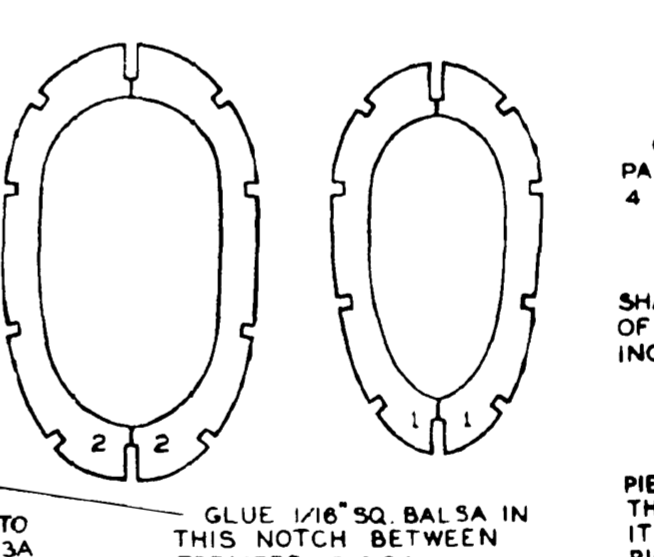
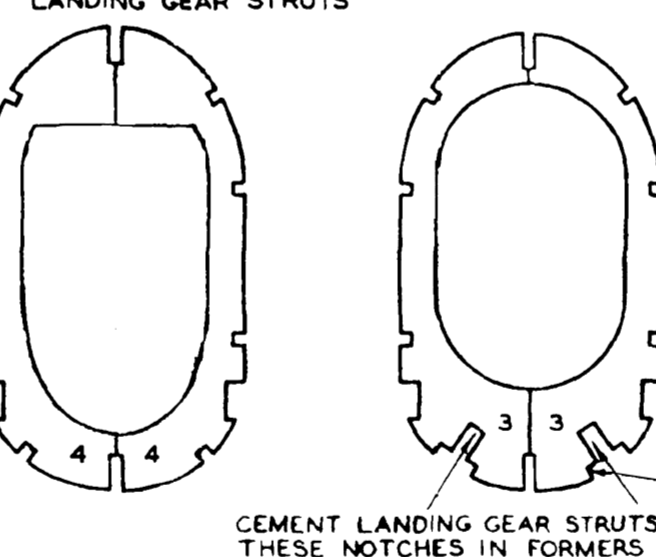
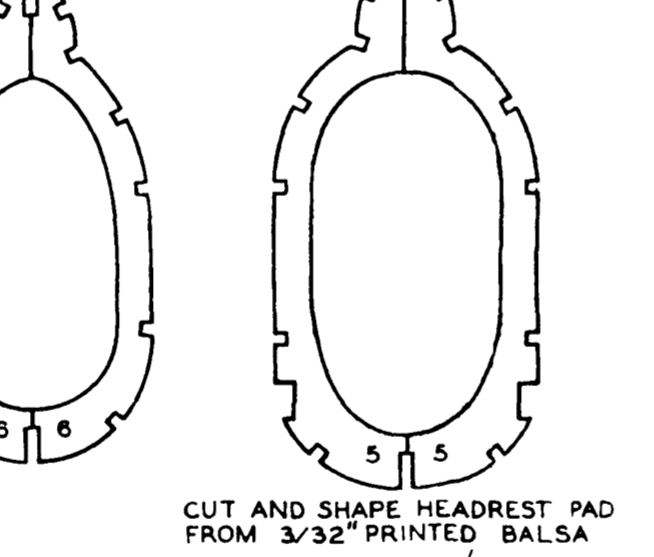
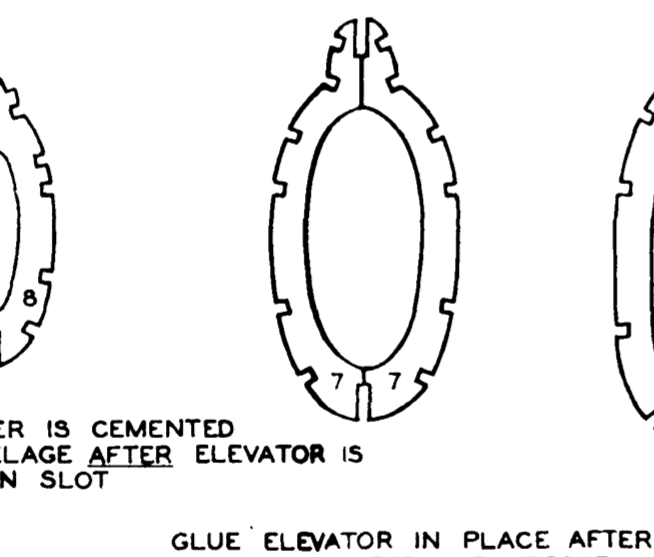
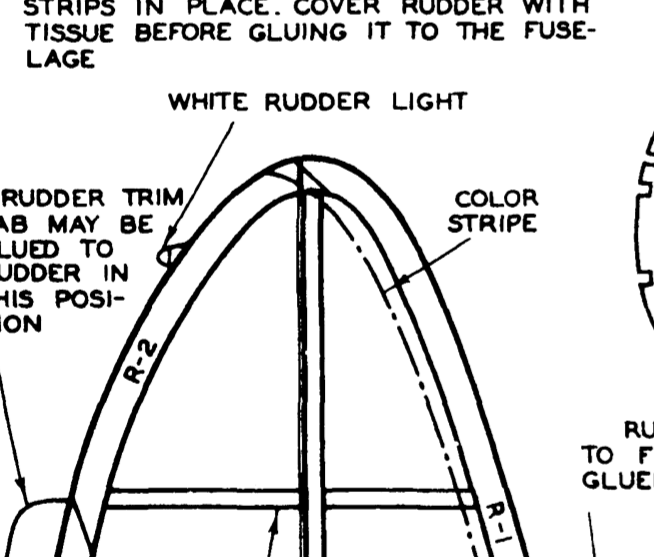
GLUE ELEVATOR IN PLACE AFTER FUSELAGE IS COVERED WITH TISSUE

CUT AND SHAPE HEADREST PAD FROM 3/32" PRINTED Balsa

CEMENT LANDING GEAR STRUTS INTO THESE NOTCHES IN FORMERS 3 & 3A

GLUE 1/16" SQ. Balsa IN THIS NOTCH BETWEEN FORMERS 3 & 3A

STICK PROPELLER INSIGNIA TO FINISHED BLADES IN THE POSITIONS SHOWN.



WHITE RUDDER LIGHT

RUDDER TRIM TAB MAY BE GLUED TO RUDDER IN THIS POSITION

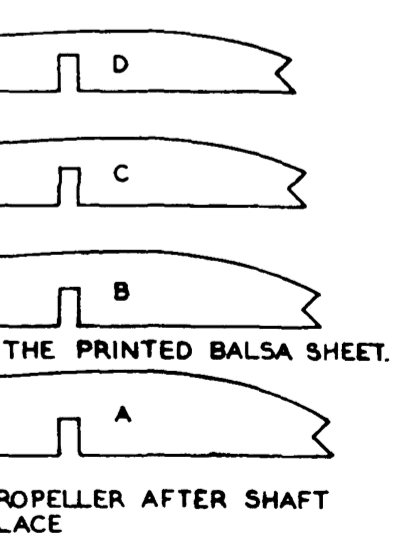
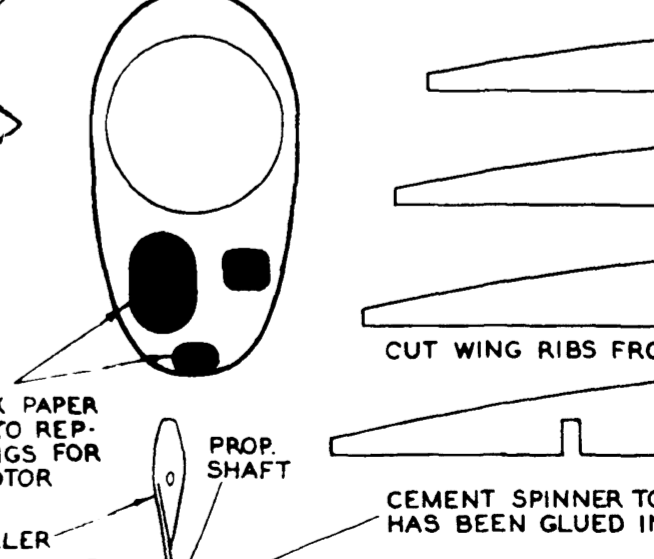
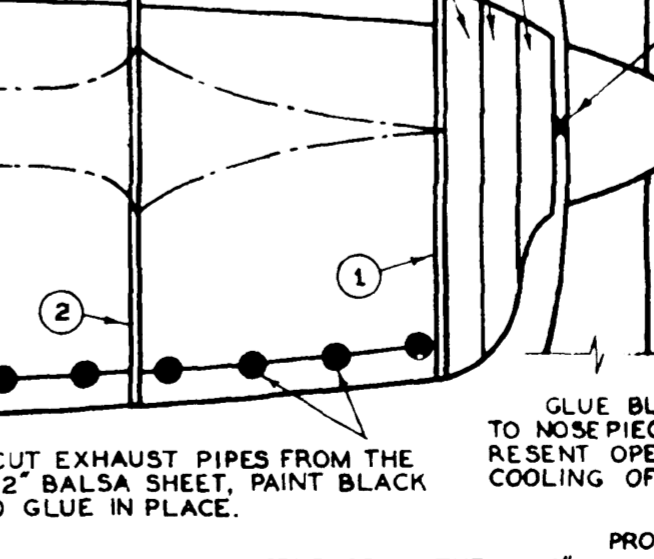
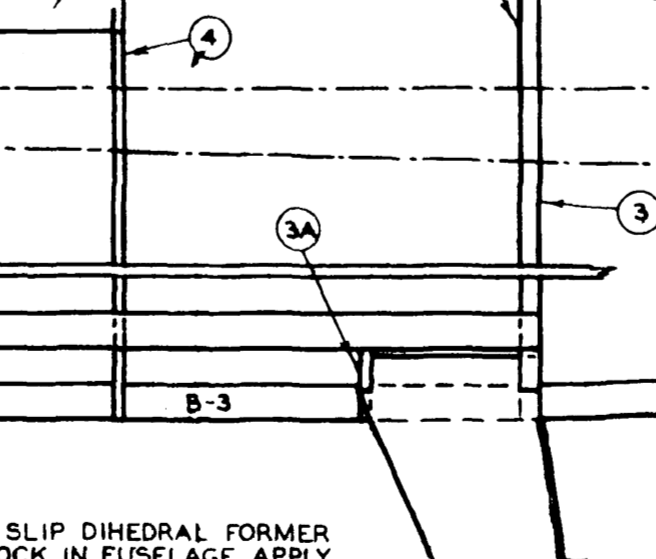
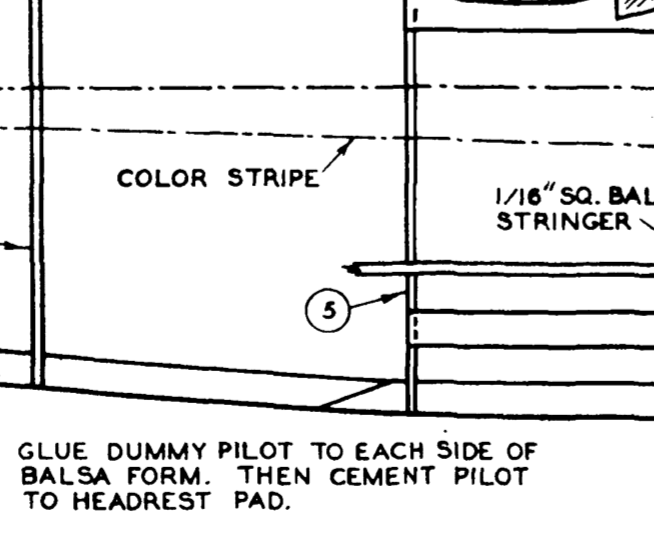
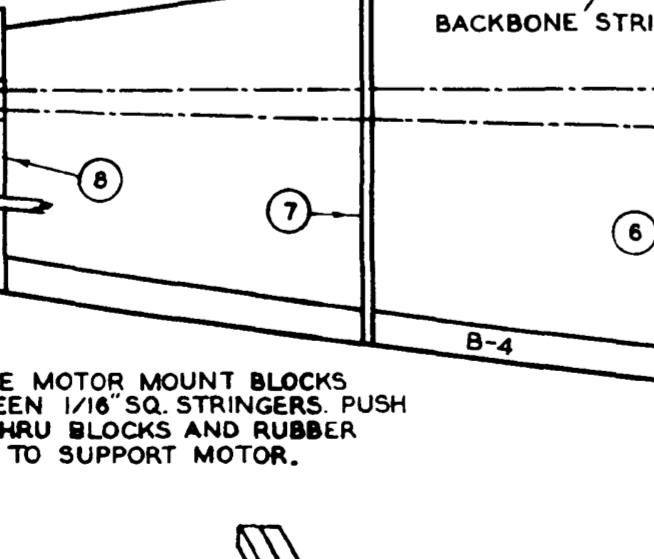
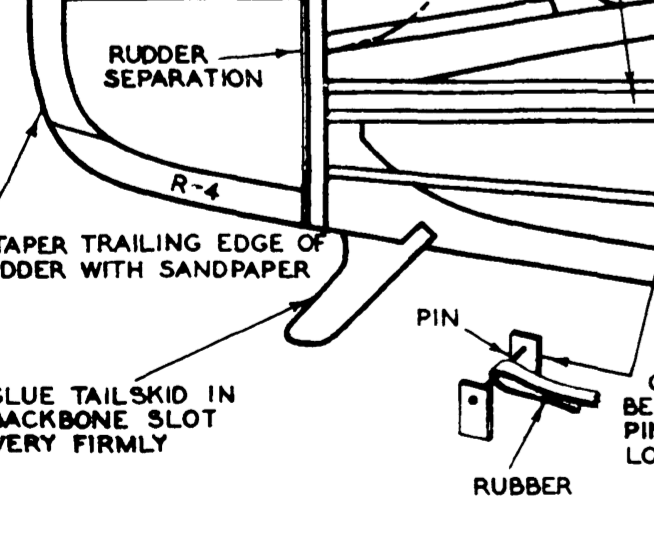
GLUE MOTOR MOUNT BLOCKS BETWEEN 1/16" SQ. STRINGERS. PUSH PIN THRU BLOCKS AND RUBBER LOOP TO SUPPORT MOTOR.

SLIP DIHEDRAL FORMER BLOCK IN FUSELAGE. APPLY CEMENT TO CENTER SPARS AND SLIDE THEM INTO CHANNEL OF DIHEDRAL FORMER.

CUT EXHAUST PIPES FROM THE 3/32" Balsa SHEET, PAINT BLACK AND GLUE IN PLACE.

GLUE BLACK PAPER TO NOSEPIECE TO REPRESENT OPENINGS FOR COOLING OF MOTOR

INSERT PROPELLER SHAFT THRU NOSEPIECE, WASHERS, BEAD AND PROPELLER. THEN MAKE A SQUARE "U" BEND ON THE END OF SHAFT, PULL BACK INTO PROPELLER AND APPLY CEMENT.



FUSELAGE CONSTRUCTION
CUT FORMERS AND BACKBONE STRIPS CAREFULLY FROM PRINTED Balsa SHEET. PIN BACKBONE STRIPS IN PLACE OVER PLAN AND CEMENT RIGHT HALVES OF FORMERS IN PLACE, MAKING CERTAIN THEY ARE PERPENDICULAR TO THE PLAN. WHEN DRY, REMOVE FROM PLAN AND GLUE OTHER HALVES OF FORMERS IN PLACE. THEN CEMENT THE Balsa STRINGERS IN NOTCHES OF FORMERS.

CUT DIHEDRAL FORMER BLOCK FROM 3/32" Balsa PRINTED SHEET

GLUE 3/32" SQ. Balsa PIECES OVER DASH LINES PRINTED ON DIHEDRAL FORMER

GLUE DUMMY PILOT TO EACH SIDE OF Balsa FORM. THEN CEMENT PILOT TO HEADREST PAD.

CUT LANDING GEAR STRUT FROM THE 3/32" PRINTED Balsa SHEET AND CEMENT A THIN BAMBOO STRIP ALONG FRONT EDGE. THEN SANDPAPER STRUT TO A STREAMLINE SHAPE AS SHOWN IN SECTION.

GLUE PIN TO LANDING GEAR STRUT IN POSITION SHOWN IN FRONT VIEW.

SECTION THRU LANDING GEAR STRUT

READ ALL NOTES ON PLAN CAREFULLY BEFORE BEGINNING CONSTRUCTION OF MODEL.

CENTER SPAR OF WING FITS BETWEEN THESE 3/32" SQ. Balsa PIECES.

BEFORE GLUING WING HALVES TOGETHER, COVER WINGS AND ALL OF THE FUSELAGE EXCEPT A SMALL SECTION TO PERMIT INSERTION OF WING. AFTER WING HALVES HAVE BEEN GLUED TOGETHER, COVER OPEN PORTION OF FUSELAGE WITH TISSUE.

GLUE A 3/32" X 3/16" Balsa STRIP IN THIS NOTCH AFTER WINGS ARE JOINED IN FUSELAGE. THIS SUPPORTS WING AND YET ALLOWS IT TO MOVE UP AND BACK FOR ADJUSTMENT.

GLUE PIN TO LANDING GEAR STRUT IN POSITION SHOWN IN FRONT VIEW.

BEND PIN AXLE TO ABOVE SHAPE AFTER WHEEL IS ON.

1-1/2" WHEEL

SENIOR DART
 WINGSPAN - 24" | LENGTH - 18-1/2"
 KIT NO. 5A-195 | SERIES - FLYING
 DRAWN BY P. R. ... | LETTERED BY A. ...