



RED NAVIGATION LIGHT SHAPE FROM SCRAP Balsa

1/16" X 1/8" Balsa LEADING EDGE. SANDPAPER ROUND AFTER IT IS GLUED INTO NOTCHES OF RIBS.

CUT LANDING LIGHTS AT LEFT FROM PLAN & STICK IN POSITION TO BOTTOM OF WING.

SLANT END RIBS SLIGHTLY TO FIT FUSELAGE WHEN DIHEDRAL IS PUT IN THE WINGS.

1/16" X 1/8" Balsa WING SPARS EXTEND BEYOND END RIBS. THESE FIT INTO DIHEDRAL FORMERS.

POSITION OF LICENSE LETTERS ON BOTTOM OF LEFT WING

CUT CELLULOID TO THIS PATTERN & GLUE TO MODEL AFTER TISSUE COVERING IS APPLIED & TIGHTENED.

FRONT DIH. FORMER

AILERON SEPARATION. SEE NOTE AT BOTTOM OF PLAN.

LANDING LIGHT POSITION.

POSITION OF WING STRUT FAIRING. CUT FROM 1/8" Balsa

LANDING FLAP SEPARATION FLAPS ARE LOWERED TO CHECK LANDING SPEED.

WHITE LIGHT

RUDDER

LOCATION OF ELEVATOR IN FUSELAGE SLOT

1/16" SQ. Balsa SPACERS FIT ACROSS TOP OF FUSELAGE

CUT BASE FROM 1/8" Balsa & SANDPAPER TO A STREAMLINE SHAPE

REAR DIH. FORM.

CUT STIFF PAPER TO PATTERN SHOWN BELOW AND CEMENT AROUND FORMER 2. COMPLETED COWLING IS GLUED TO FORMER 3 AFTER FUSELAGE HAS BEEN COVERED.

NC 14874
CUT LICENSE NUMBERS FROM PLAN & STICK TO RUDDER

1/16" SQ. Balsa FRAMEWORK

NC 14874
SHAPE TAIL LIGHT FROM SCRAP Balsa

LOCATION OF BRACEWIRES

ELEVATOR SEPARATION

CUT A STRIP OF STIFF PAPER 1/16" X 2-3/4" LONG. GLUE ENDS TO FORM COMPASS RING.

CUT THESE PARTS FROM THE PRINTED Balsa SHEET & BUILD UP OVER PLAN AS PART OF MAIN FRAMEWORK

INSTRUMENT PANEL FORMER

CUT PANEL FROM PLAN & GLUE TO FORMER

RUDDER SEPARATION

BRACE WIRE (THREAD)

CUT CURVED PARTS OF ELEVATOR FROM PRINTED Balsa SHEET - SCRAP Balsa

CONSTRUCT ELEVATOR ON PLAN

BAGGAGE COMPARTMENT

ELEVATOR

1/16" SQ. LONGERONS

1/16" SQ. SPACERS

PITOT TUBE 1/16" X 1/8" Balsa STRUTS

SHAFT

REAR MOTOR SUPPORT

CONSTRUCT TAILWHEEL UNIT & GLUE TO BOTTOM OF FUSELAGE AFTER THE TISSUE IS ON.

SECTION THROUGH TAILWHEEL

BLUE TISSUE COLOR STRIPES STUCK TO THE TISSUE COVERING

CONSTRUCT STEP OF 1/16" Balsa SANDED ROUND. GLUE TO FUSELAGE AT SAME ANGLE AS LANDING GEAR STRUT IN FRONT VIEW.

1/8" Balsa STRUT FAIRING SANDED TO A STREAMLINED SHAPE.

PIN STEP SECTION THROUGH STRUT

SHAPE EXHAUST FROM Balsa

GREEN NAVIGATION LIGHT

LANDING LIGHT

MOTOR SUPPORT

1/16" ROUND Balsa STRUT

RUBBER

PIN STEP

REAR MOTOR MOUNT DETAIL

EXHAUST

1/8" Balsa STRUT FAIRING SANDED TO SHAPE

1/16" ROUND Balsa STRUTS

4-9/16"

1/8" STRUT FAIRING

1/16" X 1/8" STREAMLINED STRUTS

PITOT TUBE (PIN)

4-9/16"

BEND A PIN TO THIS SHAPE AFTER WHEEL IS SLIPPED ON. THIS MAKES A DANDY AXLE.

CABIN DOOR OUTLINE ON RIGHT SIDE ONLY

CUT LANDING GEAR STRUTS FROM 1/8" SHEET & SHAPE STREAMLINED AS SHOWN IN SECTION DRAWING. BEVEL TOP TO INSURE A PERFECT FIT TO THE FUSELAGE.

NOTE: AILERON, RUDDER & ELEVATOR SEPARATIONS AND DOOR OUTLINES ARE DRAWN ON WITH RULING PEN OR REPRESENTED BY THIN STRIPS OF BLACK PAPER.

CUT MOTOR DESIGN FROM PLAN & GLUE TO FRONT OF FORMER 2.

1-1/4" DIA. WHEEL

PUSH SHAFT THROUGH THRUST BUTTON FROM REAR. THEN PUSH THROUGH PROP. & BEND OVER. PULL BACK INTO PROP. AND APPLY CEMENT GENEROUSLY TO FORM A BEARING.

THE HOWARD DGA-9 IS A FOUR-PLACE COMMERCIAL CABIN PLANE DESIGNED BY BEN O. HOWARD, BUILDER OF THE FAMOUS, "MR. MULLIGAN" AND OF RACING FAME.

ENTIRE MODEL IS ORANGE DARK BLUE TRIM & LETTERS

HOWARD DGA-9

WINGSPAN - 25" LENGTH - 17"
KIT NO. - E5 DRAWN BY *John*

LICENSE LETTERS FROM BLUE TISSUE & STICK TO WING

GREEN NAVIGATION LIGHT