Gloster Gauntlet

COMET

BRISTOL "MERCURY" ENGINE

AN ACCURATE SCALE MODEL OF A MACHINE FROM THE FAMOUS BRITISH NO. 19 FIGHTER SQUADRON.

WINGSPAN 21" OVERALL LENGTH 16-1/4"

SCALE IN FEET

KIT NO. X-10

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The COMET MODEL AIRPLANE and SUPPLY CO. inc. Chicago

Robert Blake illustrator

DESIGNED FOR F.P. SWEETEN LTD. BLACKPOOL, ENGLAND.

K 4090

K 4090

DRAWING OF BOTTOM OF LOWER WING SHOWING POSITION OF R.A.F. INSIGNIA AND IDENTIFICATION MARKINGS.

NAVIGATION LIGHT

1/16" X 1/8" FRONT SPAR

3/32" SQ. BALSA LEADING EDGE

1/8" SHEET BALSA WING TIPS

SOFT IRON WIRE GLUED TO RIB RENDERS THE AILERON MOVABLE.

FOR UPPER WING, FOLLOW SOLID LINES. FOR LOWER, WORK TO DASH LINES

SAND LEADING EDGES OF WING ROUND AS SHOWN.

1/16" SQ. REAR SPAR

1/16" X 1/8" TRAILING EDGE

SQUADRON INSIGNIA IS STUCK TO TOP OF WING AFTER WING HAS BEEN COVERED AND SHRUNK

WHITE

BLUE

SOFT IRON WIRE HINGES

LIGHT

W-8

W-7

W-6

RIB A HAS THIS EXTRA NOTCH CUT IN. 4 REQUIRED.

A
10 REQUIRED

B
8 REQUIRED
NOTCHES FOR 1/16" SQ. BALSA
4 REQUIRED

C
4 REQUIRED

D
4 REQUIRED

E
2 REQUIRED

F
2 REQUIRED

G
1 REQUIRED

H
2 REQUIRED

1
2 REQUIRED

RIBS 1 ARE CEMENTED IN PLACE AT AN ANGLE WHICH CAN BE SEEN IN THE FRONT VIEW OF THE MACHINE.

AFTER WING IS ASSEMBLED, AND HAS DRIED, SAND THE TRAILING EDGE TO A WEDGE SHAPE AS SHOWN.

1/16" SQ. BALSA STRIPS ARE USED WHERE THE AILERON SEPARATION OCCURS

THE ELEVATORS ARE CONSTRUCTED RIGHT OVER PLAN. THE OUTLINES ARE CUT FROM THE PRINTED SHEET. THE OTHER MEMBERS ARE 1/16" X 1/8" BALSA ON EDGE.

RUDDER LIGHT

RUDDER HORN

CONTROL WIRE

SOFT IRON WIRE HINGE

CUT FROM PRINTED SHEET

USE THREAD FOR BRACE WIRES

COCKPIT COWL. CUT FROM STIFF PAPER AND CEMENT TO FORMERS 3 & 4

BACK BONE STRIP

AERIAL (SOFT LEAD-IN WIRE)

SEAT SUPPORT

PRESSURE DIAL

WHEEL

THROTTLE

RUDDER PEDALS

GUN SIGHT

POSITION OF CONTROL PANEL

CONTROL PANEL NOTCHES

SHAPING TO FIT BODY

POSITION OF TROUGH BEFORE

1/16" X 1/8" BALSA

GUN BLOCK CUT FROM PRINTED SHEET

SHAPE GUN TROUGHS WITH THE AID OF A ROUND ROD AND SANDPAPER AS SHOWN ABOVE.

GLUE 1/16" DIA. ALUMINUM TUBING SO THAT 3/16" PROJECTS

3/32" DIA. ALUM. TUBING. LOUVERS DRAWN ON

SMALL PIN

TELESCOPIC SIGHT

SOFT IRON WIRE RING SIGHT

THREAD

SECTION THROUGH COWLING

P O N M L K J

EXHAUST LEAD

PUSHROD

Q R

J, K, L, M, N,

ENGINE CYLINDER DETAIL

1. CUT FROM PRINTED SHEET. 2. CUT TO LINE. 3. CUT LOWER PORTION BACK SLIGHTLY AS SHOWN IN SECTION OF COWL. 4. SHAPE HALF ROUND.

EXHAUST LEAD DETAIL. MAKE 18 PIECES 5/8" LONG. CUT FROM 3/32" SQ. BALSA.

THREAD STUCK TO COWLING WITH BANANA OIL SHOWS SEPARATION OF EXHAUST COLLECTOR RING.

RUDDER LIGHT

IRON WIRE HINGE

THREAD IS USED FOR AERIAL WIRE

SOFT IRON WIRE

K 4090

K 4090

ELEVATOR

REAR HOOK DETAIL

W-1

W-2

SMALL PIN

1/2" DIA. TAILWHEEL

PART V SEAT SUPPORT

BALSA SEAT

CUT OUT TO ALLOW RUBBER TO PASS THROUGH

SEAT SUPPORT

STIFF PAPER SEAT BACK

THIS MODEL IS POWERED WITH 6 STRANDS OF 1/8" FLAT RUBBER.

CEMENT TO FORMER 3,

CONTROL PANEL. GLUE TO FORMERS 5 & T.

PRESSURE DIAL. GLUE TO BALSA DISC. CEMENT TO COCKPIT

SEAT BACK

V

WIND SHIELD

POSITION OF COWLING

STEP PLATES AND NUMBERS CUT FROM TRANSFER SHEET.

WIRE STEP SIDE ONLY

STEP ON OTHER

STEP PLATES ON OTHER SIDE OF FUSELAGE ONLY

WHITE

BLUE

BALSA HOUSING

THROTTLE

PRESSURE DIAL

WHEEL

PEDAL

FLOORBOARD

GLASS HEADED PIN

RUDDER PEDAL. IRON WIRE

FIRE EXTINGUISHER

FIRE EXTINGUISHER MADE OF BALSA AND WIRE

AILERON TIE WIRES. USE FINE THREAD

VENTURI TUBE

1/16" X 1/8" BALSA STRUT

1/8" X 1/4" BALSA STRUT

NOTCHES FOR FLOORBOARD

EXHAUST-1/8" DIA. REED

EXHAUST PIPE

COWL

BALSA EXHAUST HOUSING

EXHAUST DETAIL

1-1/2" WHEELS

FRONT SIGHT

NAVIGATION LIGHT

WIRE

BALSA

P O N M K J

W

WINGBASE FORMER. 2 NEEDED.

NOTE: ON THE REAL MACHINE, THE SHADED PORTIONS OF THE AIR SCREW ARE COLORED DARK OAK. THE REST OF SCREW IS LEFT NATURAL WOOD COLOR.

WASHER, BEAD, WASHER.

BALSA SPINNER CUT FROM 3/16" SHEET

1/16" TUBING

VENTURI TUBE SHAPED IN THE SAME MANNER USED IN MAKING THE LIGHTS.

CRACK HERE. GLUE DIHEDRAL ANGLE FROM THIS POINT

5/8" DIHEDRAL

BEND WIRES AS SHOWN AND STICK INTO FAIRING. THIS IS THE AIR SPEED PITOT TUBE.

BALSA FAIRING CUT FROM THE PRINTED SHEET

THREAD BRACE WIRES

TELESCOPIC SIGHT

1/16" X 1/8" BALSA SANDED TO SIZE AND STREAMLINED

VENTURI TUBE-BALSA

RING SIGHT

1/16" X 1/8" BALSA STRUTS

EXHAUST LEADS

PITOT TUBE GOES IN THIS POSITION ON OPPOSITE SIDE ONLY

STREAMLINE ALL STRUTS

ELEVATOR

USE PINS TO REPRESENT PUSHRODS

5/8"

DIHEDRAL ANGLE GIVES MODEL LATERAL STABILITY IN FLIGHT.

STREAMLINED FAIRING 1/16" SQ. TAPERED & ROUNDED 1/16" SQ. CUBE GLUED ON

Q R

EXHAUST PIPES

TOP VEIW OF SECTION OF BALSA FAIRING

1/8" X 1/4" BALSA

THIS "X" BRACE GOES ACROSS THE REAR LANDING GEAR STRUTS

WING LIGHT DETAIL.

1/16" TUBING USED FOR BUSHING, 5/16" LONG

BALSA FAIRING PIN SERVES AS AXLE

1/32" BALSA PLATE

SECTION THROUGH WHEEL

1/16" X 1/8" X 3-1/4" BALSA