

VERON

VICKERS - SUPERMARINE "ATTACKER" 18" SPAN.

SCALE MODEL OF THE FAMOUS NAVAL JET FIGHTER FOR JETEX 50

BALLAST COMPARTMENT. ADD LEAD SHOT & PLASTICINE TILL MODEL BALANCES SLIGHTLY NOSE DOWN WHEN SUPPORTED ON C.G. LINE WITH UNCHARGED MOTOR IN PLACE.

SPAN: 18" LENGTH 14 3/4"
WEIGHT (WITHOUT MOTOR) 1 3/8 ozs.

NOSE BLOCK IS ADDED AFTER ALL STRINGERS ARE IN PLACE THEN CARVED & SANDED TO SHAPE.

PAINT THE AIR INTAKE LOUVRE WITH BLACK.

COCKPIT COVER IS TRIMMED TO FIT CLOSELY OVER NOSE. RUB FREE OF GREASE THEN CEMENT IN PLACE OVER DOPED TISSUE COVERING.

SKETCH SHOWING HOW WING STRUCTURE IS BUILT FLAT OVER THE PLAN WITH LEADING & TRAILING EDGES LAID FIRST WITH SLOTS IN TRAILING EDGE THEN RIBS & TOP SPAR.

BASE RIB R.1 IS TILTED FOR DIHEDRAL - USE CARD TEMPLATE ON RIGHT OF PLAN.

LEADING EDGE IS 1/16" x 1/4"

SPAR IS 1/16" x 1/8" SET INTO TOP OF RIB

TRAILING EDGE IS 1/16" x 1/4"

SPAR EXTENSIONS ARE CEMENTED AGAINST FORMERS.

TOP BACKBONE STRINGER ALL OTHER OMITTED FOR CLARITY.

SHADING SHOWS FIN POSITIONS.

COVERING USE TISSUE CUT INTO PANELS STRETCHING FROM FORMER TO FORMER & FROM ONE SIDE KEEL TO THE OTHER, TOP & BOTTOM SEPARATELY WITH EDGES OVERLAPPING ABOUT 3/16". MAINPLANES ARE COVERED WITH TISSUE BOTH SIDES BEFORE CEMENTING IN PLACE. WHEN LOCATED & DRY & WITH FIN COVERED IN PLACE, SPRAY THE WHOLE MODEL, THEN DOPE ALL, OVER INCLUDING TAILPLANE. GIVE FUSELAGE AN EXTRA COAT & SUFFICIENT ON THE NOSEBLOCK TO FILL THE WOOD BALANCING. WITH UNCHARGED MOTOR IN PLACE, ADD SHOT TO BALLAST TUBE & SECURE WITH PLASTICINE. ADD OR DETRACT SHOT TILL GLIDE IS CORRECT WITH NO TENDENCY TO STALL OR TURN. THEN ADD CHARGE.

SAND LEADING & TRAILING EDGES OF FIN & TAILPLANE TO REASONABLE STREAMLINE WITHOUT WEAKENING THE STRUCTURE.

MAKE A CUT ACROSS TAILPLANE AT ITS CENTRE IN TOP SURFACE OF Balsa - NOT RIGHT THRU! FILL THE CUT WITH CEMENT & RUB WELL IN. BEND TAIL FOR DIHEDRAL & SUPPORT WHILST SETTING ON 3/8" TIP BLOCKS - ONE EACH SIDE AS PER SKETCH.

COLOUR SCHEME - ALL UPPER SURFACES MEDIUM SEA - GREY

ALL LOWER SURFACES, F/U SIDES FIN - LIGHT GREY GREEN.

CONSTRUCTION STAGE 1.

LAY WAXED TISSUE OVER TOP ELEVATION OF PLAN. LAMINATE TWO LENGTHS OF 1/16" x 1/16" FOR EACH SIDE LONGERONS & PIN IN PLACE. DOUBLE LAMINATION FORMS BASIC WARP PROOF KEEL FOR ERECTION OF HALF FORMERS. PLACE PINS EITHER SIDE - NOT THRU THEM.

ALSO LAY NOSE STRINGERS IN SIMILAR FASHION. CUT OUT ALL FORMERS & WHERE SHOWN DIVIDE THRU THEIR CENTRES. ERECT ALL FORMERS AS IN STAGE 2. NOTE ONLY LOWER PORTION OF DIVIDED F.11. ADD TWO TAIL PLATFORMS F.14. CANTING AT AN ANGLE.

CONSTRUCTION STAGE 2.

AT THIS STAGE, CONSTRUCT THE TAILPLANE WITH DIHEDRAL AS SHOWN AT BOTTOM OF PLAN.

WHEN SET, PLACE TAILPLANE ON TWO SUPPORTS WITH L/EDGE AGAINST F.10. THEN ADD TOP OF F.11 & TOP STRINGER FROM F.11 TO F.3. CONSTRUCT FIN OVER PLAN FROM ALL PARTS T.1, 2, 3, 4, 5, etc. WHEN DRY CEMENT IN PLACE ABOVE TOP STRINGER & TO F.11 FOR EXTRA RIGIDITY. ADD T.6 TO FORM CONTINUATION TO F.12 & 13.

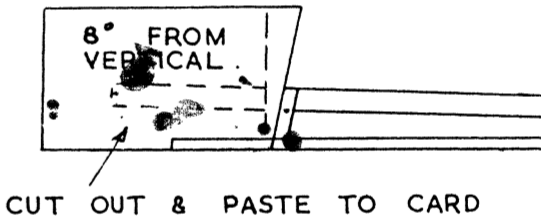
CONSTRUCTION STAGE 3.

ADD REMAINING 1/16" x 1/16" STRINGERS, SLOTTING INTO F.3 & CARRYING BACK TO F.12. ALSO NOSE STRINGERS FROM F.1 TO WHERE INDICATED ON PLAN. WHEN SET REMOVE FROM BOARD.

INVERT THEN ADD LOWER HALF OF ALL FORMERS. CEMENT JETEX MOUNTING BLOCK IN BETWEEN F.4 & F.5. ADD DOUBLE KEEL STRINGER FROM F.1 TO F.3. & SINGLE KEEL STRINGER FROM F.10 TO F.13. NEXT POSITION ALL STRINGERS, NOTING ALL FORMER POSITIONS MARKED 'X' CONVERGING AT F.10. TO FORM EDGE OF DUCT FOR JETEX 50. SECURE ALL STRINGERS WITH RUBBER BANDS WHILST DRYING.

AFTER USING TIP BLOCKS FOR SETTING TAILPLANE DIHEDRAL, CEMENT FIRMLY TO END RIB R.5. & WHEN SET, CARVE & SAND TO STREAMLINE.

SKETCH BELOW SHOWS HOW CARD TEMPLATE WITH 12° ANGLE IS USED TO CHECK ANGLE OF BASE RIB R.1. PERMITTING 1" DIHEDRAL.



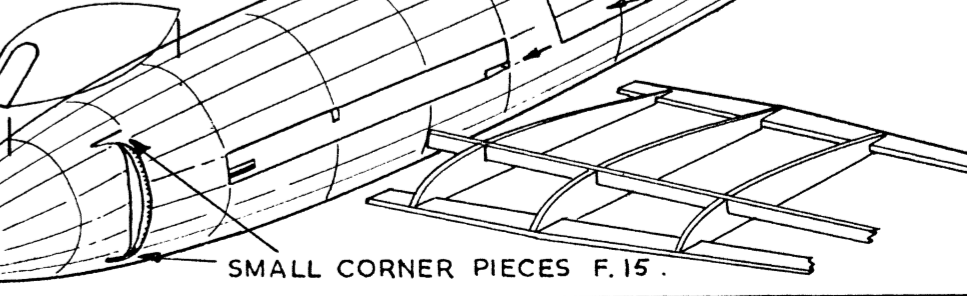
CONSTRUCTION STAGE 4.

NOTE IN THE SKETCH THAT CERTAIN REAR STRINGERS RUN ONLY FROM F.6 TO REAR & F.9 TO REAR. CUT THIN CARTRIDGE PAPER FROM TRACING OF PATTERN IN WING PANEL & CEMENT IN GROOVES. TRIM FLUSH WITH EDGE.

CHECK THE WHOLE F/U FOR ALIGNMENT. ADD NOSE BLOCK & WHEN DRY CARVE & SAND TO SHAPE. SCREW JETEX CLIP IN PLACE. DRILL SMALL HOLE ABOUT 3/8" DIAM. IN NOSEBLOCK FOR BALLAST HOLE. COVER F/U BEFORE ADDING WINGS - COVERING DETAILS IN ADJACENT PANEL.

CONSTRUCTION STAGE 5.

SKETCH SHOWING ASPECT OF FUSELAGE COVERED. NOTE HOW COVERING IS ACCOMPLISHED BY STRIPS TAKEN OVER THE BAYS WITH OVERLAPPING JOINTS. WINGS ARE OFFERED UP WITH L/E, SPAR & T/E CEMENTED AGAINST F.4, 5 & 7 RESPECTIVELY AFTER COVERING. PAINT IN DETAILS OF INTAKES.



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