



SCRAPS OF 3/32" SHEET TO RAISE L.E. UP OFF BUILDING BOARD OR WORKBENCH

L.E. - 1/8" X 3/8" STRIPS (2) LAMINATED. MUCH BETTER THAN 1/4" SQ. ON 1946 PLANS (THINNER STOCK BENDS EASIER TO MATCH CURVE SHOWN)

1/8" SHEET SCRAPS

SPAR PATTERN (MAKE 2 OF FIRM, STRAIGHT-GRAINED 1/8" Balsa SHEET

W1, W2, W3 & W4 ALL CUT FROM 3/16" SHEET

DIHEDRAL JOINER - 1/16" HARD Balsa SHEET OR 1/32" PLYWOOD. 2 REQ.

TRAILING EDGE SHOULD BE RAISED PROGRESSIVELY FROM RIB 'G' TOWARDS TIP TO OBTAIN SLIGHT "WASH-OUT"

DOUBLER "B" RIBS OPTIONAL - (WING RESTS ON MOUNTS AT THOSE TWO POINTS)

WRAP WITH FINE WIRE & SOLDER

L.G. STRUT BENDING PATTERN - 1/16" MUSIC WIRE

TYPICAL WING RIB SECTIONS

WING STRUT BRACES - .040" OR .050" MUSIC WIRE

STABILIZER SPAR - FIRM 1/8" Balsa SHEET

FUSELAGE CROSS BRACES (MED. 3/16" SQ.)

FOR EASIER ACCESS TO NEEDLE VALVE, SOLDER A 1" WIRE EXTENDER TO N/V USE .040" DIA. MUSIC WIRE, BENT AS SHOWN

WING MOUNTS - 1/8" X 1/4" X 7-5/8" PINE

STATIONS 1 TO 5 REQ.)

PINE OR VERY HARD Balsa

WING STRUT BRACES

FILL IN BETWEEN STRINGERS WITH SCRAP 3/32" SAND FLUSH, THEN CUT OUT COCKPIT OPENING

Balsa BLOCK HEADREST

COWL CHEEK PIECES - 1/4" Balsa SHEET

OUTLINE SHOWN FOR COX 'GOLDEN BEE' .049 WITH 2630 MUFFLER. FOR 'BABE-BEE', CUT 1/4" OFF REAR OF SIDE COWLS

AN INVERTED ENGINE LOOKS BEST IN THIS DESIGN TO INVERT COX 'BEE' .049S. LOOSEN 4 TANK ATTACHMENT BOLTS AND ROTATE TANK 180° RELATIVE TO ENGINE RE-TIGHTEN 4 BOLTS MOUNT ENGINE ON EMD/F1 ASSEMBLY

TO CLARIFY FUSELAGE CONSTRUCTION, ONLY THE TOP AND BOTTOM CENTER STRINGERS ARE SHOWN IN SIDE VIEW

AS VIEWED FROM SIDE, TOP LONGERON IS STRAIGHT

L.E. - 3/32" X 3/16" Balsa (2 PIECES) LAMINATED. SEE NOTE REGARDING WING L.E. AT TOP OF THIS PLAN

SOFT 1/4" SHEET (BOTH SIDES) BLENDS RUDDER INTO FUSELAGE SHAPE

ALL STABILIZER RIBS ('O' TO 'T') CUT FROM MEDIUM 3/32" SHEET

WHEN MOUNTING ENGINE USE BLIND MOUNT NUTS BEHIND EMD/F1 UNIT

FOR PRACTICAL PURPOSES COX .049 SHOWN. ORIGINAL "TORNADO" POWERED BY BANTAM .14' (NO ERROR - THE 19 CU IN CAME LATER).

- NOTE -

IT IS BEST TO EPOXY BOTH L.G. STRUT AND AN FIREWALL ASSEMBLY (EMD/F1) AT THE SAME TIME (WORK L.G. STRUT INTO POSITION AND HAVE FIREWALL FLUSH WITH FUSELAGE FRAMEWORK). SECURE WITH PINS, ALLOW SUFFICIENT TIME FOR THE EPOXY TO CURE THOROUGHLY. ADD COWL PARTS AND SAND

SHEET ONE -- DOUBLE PLAN PACKET NO. ONE

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TORNADO II  
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