.020 DIAMETER MUSIC WIRE LANDING GEAR LEGS

LANDING GEAR MOUNT

CUTAWAY VIEW OF WHEEL SHOWING DROP OF GLUE WHICH SECURES WHEEL. ALUMINUM TUBE BEARING. HUB CAP IS PAPER.

NOTE: STRUCTURAL STRIPS MAY BE EITHER 1/20" OR 1/16" SQUARE. SHEET BALSA SHOULD BE MATCHING THICKNESS. LANDING GEAR WIRE IS EPOXYED BETWEEN TWO PIECES.

NOTE BEVEL AT JOINT

SOME BD-4 AIRCRAFT HAVE A WINDOW HERE

TOP ONLY

FIN

CROSS-PIECES TOP AND BOTTOM EXCEPT AS NOTED

TOP ONLY

BAMBOO PEG REAR RUBBER RETAINER

RUDDER OUTLINE

STAB

1/8" THICK HARD BALSA PLUG TO FIT F-1 SNUGLY

NOSE BLOCK REMOVES TO WIND

FUSELAGE TOP VIEW

NOTE: THIS TOP CROSS-PIECE IS MOUNTED ON EDGE

NOTE: COVER FUSELAGE NOSE FROM F-1 TO WINDSHIELD WITH BOND PAPER.

L.G. MOUNTS

HOLLOW OUT ONLY IF NOSE-HEAVY

WING POSITION

1/32" SHEET

SQUARE NOSE PLUG

CELLOPHANE WINDOWS

1/8" HARD STRIP PEG MOUNT

THIN MUSIC WIRE INSERT BALSA DISC "WHEEL"

PECK-POLYMERS NYLON BEARING

TOP STRINGER

BASIC FUSELAGE SIDE IS SHOWN GRAINED

STABILIZER

CUT FROM SHEET STOCK

F-1

CARVED BALSA NOSE BLOCK

LANDING GEAR MOUNT

FUSELAGE

GUSSET

SHEET STOCK

PAPER FAIRING

BALSA SPINNER

BOTTOM STRINGER

PAPER HUB CAP

USE A 4" DIAMETER PLASTIC PROPELLER FOR OUTDOOR MODEL

F-1

BALSA OR PLASTIC WHEEL

HARD SHEET STOCK

BD-4 PENDANT

BY BILL HANNAN 1978

NOTE: INDIVIDUAL AIRCRAFT VARY IN MANY DETAILS, SUCH AS LANDING GEAR CONFIGURATION, COWLING SHAPE, WINDOW ARRANGEMENT AND COLOR SCHEMES.

CONSULT THE FOLLOWING REFERENCES:

NATIONAL AERONAUTICS, SPRING 1971
AIR PROGRESS, OCTOBER 1970
BEDE AIRCRAFT LITERATURE
SPORT AVIATION (VARIOUS ISSUES)

VARIOUS WING TIP SHAPES HAVE BEEN EMPLOYED ON BD-4 AIRCRAFT.

DIHEDRAL

POSITION OF TIP RIB

WING DIHEDRAL AND WASH-OUT JIG

MAKE TWO FROM CARD STOCK OR SHEET BALSA

NOTE: TRAILING EDGE IS HIGHER THAN LEADING EDGE.

MAKE TWO 1/16" THICK
MAKE EIGHT 1/32" THICK
WING RIB

BALANCE POINT OF TEST MODEL AT FRONT SPAR

WHY NOT CONSIDER THIS YOUR OWN PERSONAL HOMEBUILT AND DECORATE TO SUIT YOURSELF?

FRONT VIEW

SOFT BALSA TIP

JOIN WING DRAWING HERE

HARD 1/16" SQUARE MOUNTED ON EDGE

1/16" SQUARE

INSTALL FLUSH WITH TOP OF RIBS

GUSSET

1/16" SQUARE HARD BALSA SPAR

AILERON OUTLINE

GUSSET

SHEET BALSA EXTENSION

1/8" x 1/16" MEDIUM-HARD TRAILING EDGE

ALTERNATIVE TIP STYLES