RIGHT INBOARD PANEL

RIGHT OUTBOARD PANEL

9 (4 REQ'D) 1/8" HARD BALSA

SECURE TUBE & WIRE TO SPAR USING NYLON FABRIC AND EPOXY

3/32" I.D. BRASS TUBE SOCKET

3/32" x 3" MUSIC WIRE

SANDING ANGLE TEMPLATE

FOLD LINE

THIS TEMPLATE USED ONLY FOR REMOVABLE OUTER PANELS – SEE BOOKLET PG. 4, STEP 6

OPTIONAL REMOVABLE OUTER PANELS

POLYHEDRAL

1/4"

4"

1-1/4" DIHEDRAL

TIP WASHOUT

6-3/8"

5/16" x 3/8" LEADING EDGE

1/16" LEADING EDGE SHEETING TOP ONLY

1/4" x 3/8" MAIN SPAR (BALSA)

1/16" PLY POLYHEDRAL JOINERS

1/8" PLY SPAR BRACE

1/4" x 13/32" MAIN SPAR (BASS)

1/8" PLY DIHEDRAL JOINERS

BALSA TIP

LEFT OUTBOARD PANEL

1/8" x 1/4" REAR SPAR (BALSA)

3/16" BALSA GUSSET (TYPICAL)

LEFT INBOARD PANEL

1/8" x 1/4" REAR SPAR (BASS)

1/16" BALSA SHEETING TOP & BOTTOM

Gentle Lady

2-METER SAILPLANE

R/C MODEL, KIT SP1

FOR 2-CHANNEL RADIO and TOW, SLOPE or .049-.10 ENGINE or ELECTRIC POWER

SPAN 78 ¼"
LENGTH 41"
WEIGHT 22-25 oz.
(With Radio, Ready To Fly)
WING AREA 663 sq.in.

DESIGNED BY ..... CARL GOLDBERG
TECHNICAL ASSISTANCE, BUILDING & FLYING BY ..... BEN MATSUMOTO, PAUL TRIST, DAVE PATRICK AND JIM PETREZELKA
DRAWN BY ..... "MAC" McVICKAR AND WARREN KRONBERGER
CONSTRUCTION PHOTOS BY ..... ROGER CHRISTY
COLOR PHOTOS BY ..... DICK TICHENOR

For items not furnished with Kit, see Booklet for ADDITIONAL ITEMS list.

CARL GOLDBERG MODELS INC.
4734 W. CHICAGO AVE. • CHICAGO, IL 60651

3/16" x 15/16 TRAILING EDGE

AFTER JOINING WING HALVES WRAP ENTIRE CENTER JOINT, TOP AND BOTTOM, WITH 3/4" NYLON AND EPOXY

RECESS FOR RUBBER BANDS

1/8" x 1/4" REAR SPAR (BALSA)

1/4" x 3/8" MAIN SPAR (BALSA)

OUTBOARD SPARS

POLYHEDRAL ANGLE 13-1/2°

1/4" x 13/32" MAIN SPAR (BASS)

1/8" x 1/4" REAR SPAR (BASS)

INBOARD SPARS

DIHEDRAL ANGLE 3-1/2°

AFTER INSTALLING SCREW IN HATCH, FILE OFF POINT

2 x 1/4" WOOD (PUSH-PULL) SCREW

BATTERY PACK

RECEIVER

1/8" BALSA HATCH

ELEVATOR SERVO

RUDDER SERVO

1/8" SQ. BALSA WING REST RAILS (NOTE TAPERED FRONT END)

1/16" BALSA DOUBLER

ELEVATOR PUSHROD

RUDDER PUSHROD

REMOVE FLANGE ON RIGHT SIDE

FAIRING

PUSHROD EXIT GUIDE

MINI-SNAP & ROD

NYLON CONTROL HORN

1/16" PLY TONGUE

1/16" BALSA DOUBLER

1/8" PLYWOOD CROSS RAILS

1/16" WIRE

1/4" SQ. BALSA

3/16" WING HOLD-DOWN DOWEL

TYPICAL RADIO INSTALLATION SHOWING KRAFT KPR-2A RECEIVER AND KP5-1411A SERVOS

POWER POD MOUNTING
SEE BOOKLET PAGE 9 FOR POWER POD INSTALLATION

POWER OPTIONS

NOSE MOUNTING
SEE BOOKLET PAGE 7 FOR NOSE MOUNTED INSTALLATION

3/16" x 1/4" LEADING EDGE (USE STRONGEST BALSA HERE)

ROUND LEADING EDGES AND TIPS

TAPE ANTENNA TO TOP OF FIN

CENTER BEVEL OPTION
SEE BOOKLET PG. 10 "COVERING THE TAIL"

ANTENNA

5/64" x 3/16" BALSA (TYP.)

3/16" x 1/4" (USE STRONGEST BALSA HERE)

3/16" BALSA

STABILIZER

3/16" BALSA TIP

30°

3/16" x 1/4" ELEVATOR LEADING EDGE

3/16" x 15/16" TRAILING EDGE

ELEVATOR

SHADING INDICATES FIN AND RUDDER STRUCTURE

1/8" PLY FORMER DOUBLER

SECTION "A-A" 2

1/8" BALSA FORMER

BEFORE ADDING FUSE TOP REMOVE SHADED AREA FROM LONGERONS

1/8" BALSA FORMER

SECTION "B-B" 3

1/8" PLY FORMER DOUBLER

ANTENNA

1/8" SQ. LONGERON

WARNING – Because of possible dangers in the operation of radio controlled model aircraft, great caution should be exercised to prevent personal injury or property damage. Observe the potential hazard of the turning propeller and the flammable fuel. Fly only in areas considered safe for R/C. The model should be under the control of a licensed flyer or instructor at all times.

SECTION "C-C"

3/16" x 1/4" FIN

RUDDER

5/64" x 3/16"

3/16" x 9/16" TRAILING EDGE

3/16" DORSAL FIN REMOVE

FAIRING

COLOR SCHEME

FUSELAGE: OPAQUE SKY BLUE AND ORANGE.
WING AND TAIL: TRANSPARENT RED, YELLOW, ORANGE AND OPAQUE SKY BLUE.
FUSELAGE TRIM: 1/8" YELLOW COLOR-STRIPE.
WING AND TAIL TRIM: 1/4" WHITE COLOR-STRIPE.
ORIGINAL MODEL COVERED WITH MONOKOTE

5/64" HATCH REST 2 – REQ'D.

DO NOT ATTEMPT TO FLY WITH CG EVEN SLIGHTLY BEHIND REAR POSITION

HARD BALSA NOSE BLOCK

ANTENNA HOLE ON R.H. SIDE

RECOMMENDED CG RANGE – ADD NOSE WEIGHT IF NECESSARY

1/16" FUSELAGE TOP

FOAM RUBBER SKID OPTIONAL

1/16" PLY FUSELAGE BOTTOM

OPTIONAL: SWITCH AND CHARGING JACK

TOW HOOK

1/8" PLY TOW HOOK DOUBLER

1/16" FUSELAGE BOTTOM

CROSS GRAIN FROM HERE BACK

TOP REAR DOUBLER/STAB PLATFORM

REAR END VIEW HORN NOT SHOWN FOR CLARITY