

Guilow's

KIT DC-31

FOLKE-WULF

WORLD WAR 2 FLYING MODEL

Companion to the Messerschmitt Me-109, the Folke-Wulf Fw-190 became the pride of Hermann Goering's proud Luftwaffe. A sleek and deadly fighter, the Fw-190 reigned supreme in European skies until challenged by U. S. Mustangs and Thunderbolts.

First carefully remove all die-cut parts from balsa sheets. Lay parts on a workboard with numbers up for quick identification. Use model cement for assembling your model. This is obtainable at your local hobby dealer or chain store.

ASSEMBLING THE MODEL

1. Cement NOSE BRACES F-1 on each side of fuselage nose.
2. Cement wheel sections together with printed side out.
3. Build right and left wing frames as shown on reverse side of this sheet.
4. Cement completed wings to sides of fuselage — hold until dry.
5. Cement STABILIZER in fuselage slot — then add RUDDER.
6. Cut wheel struts to length and assemble struts and wheels as shown. Cement landing gear to wing.
7. Add TAILWHEEL, FLAPS and WING FILLETS W-8.
8. Insert common pin thru bottom of fuselage and attach one end of rubber motor.
9. Insert nose bearing in fuselage nose and hook free end of rubber motor over propeller shaft.

NOSE BRACE F-1 — CEMENT OF EACH SIDE OF FUSELAGE

RUBBER MOTOR

PLASTIC NOSE BEARING

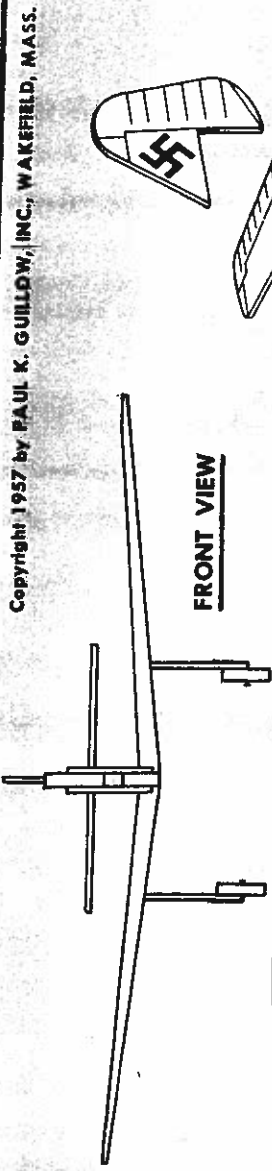
FUSELAGE

WHEEL STRUT

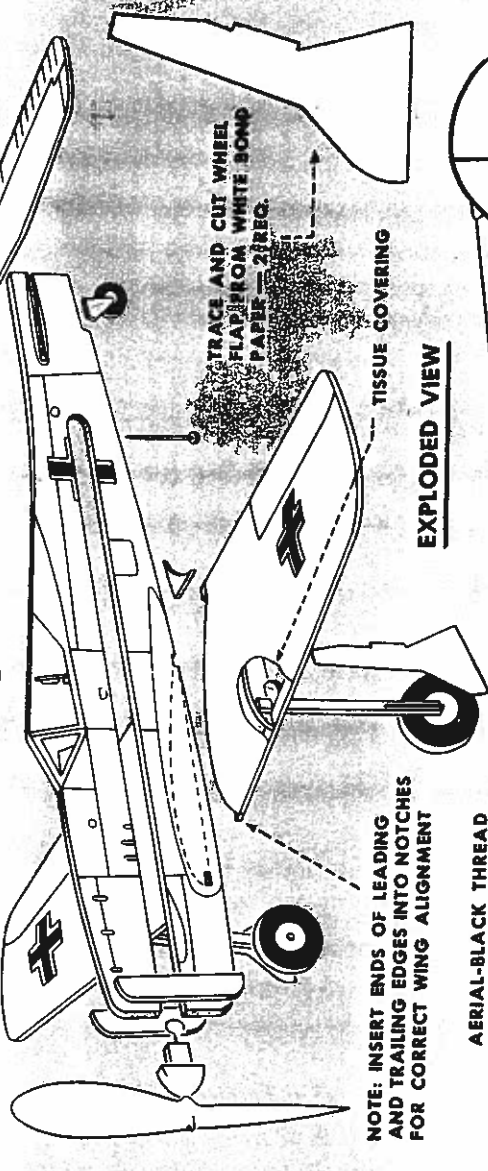
WHEEL FLAP

COMMON PIN

WHEEL AND STRUT ASSEMBLY



FRONT VIEW



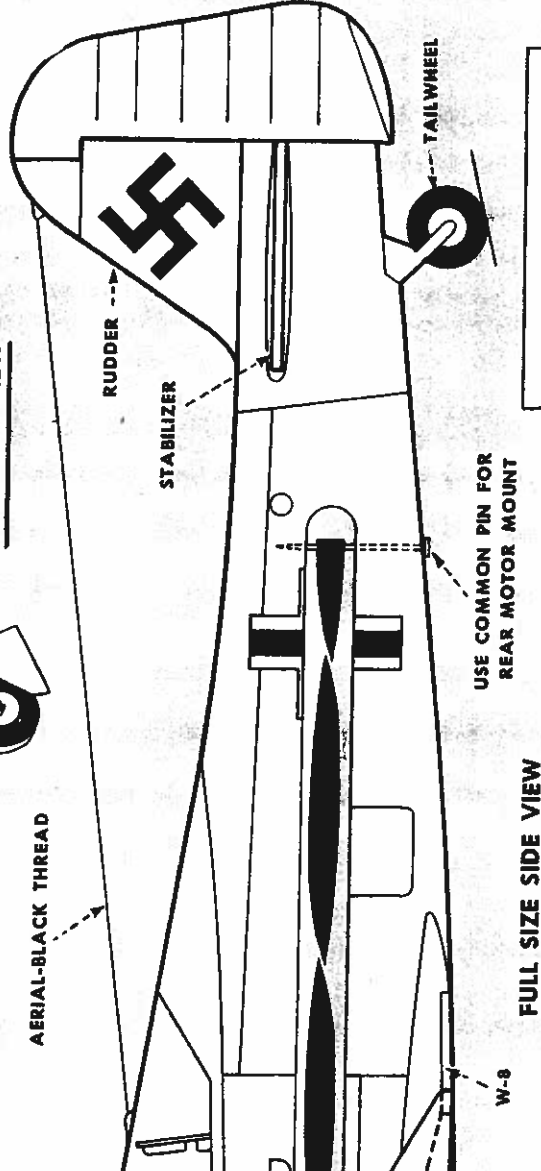
NOTE: INSERT ENDS OF LEADING AND TRAILING EDGES INTO NOTCHES FOR CORRECT WING ALIGNMENT

AERIAL-BLACK THREAD

EXPLODED VIEW

TRACE AND CUT WHEEL FLAP FROM WHITE BOND PAPER — 2 REQ.

TISSUE COVERING



FULL SIZE SIDE VIEW

RUDDER

STABILIZER

USE COMMON PIN FOR REAR MOTOR MOUNT

TAILWHEEL

WHEEL STRUT — 2 REQ.
STOCK: 1/16" x 1/8"

FLIGHT INSTRUCTIONS

Test glide model before making powered flights. Hold model beneath wing and launch gently forward like a glider. If plane noses up into a stall, warp rear edge of stabilizer down slightly — do not break. If model dives into

ground, warp stabilizer up.

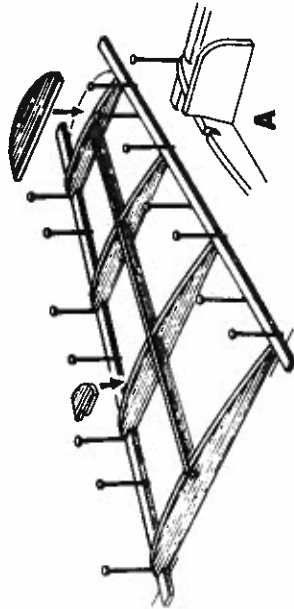
After proper corrections, wind motor clockwise about 100 to 125 turns and launch straight out. Model can be flown indoors or out. Launch into breeze if flown outdoors. Try R.O.G. flights for added fun.

WING FRAME LAYOUT SHEET

Build wing frames directly over layouts. First lay this sheet on a workboard, then pin a piece of wax paper over layouts to prevent wood parts from sticking to plan during cementing.

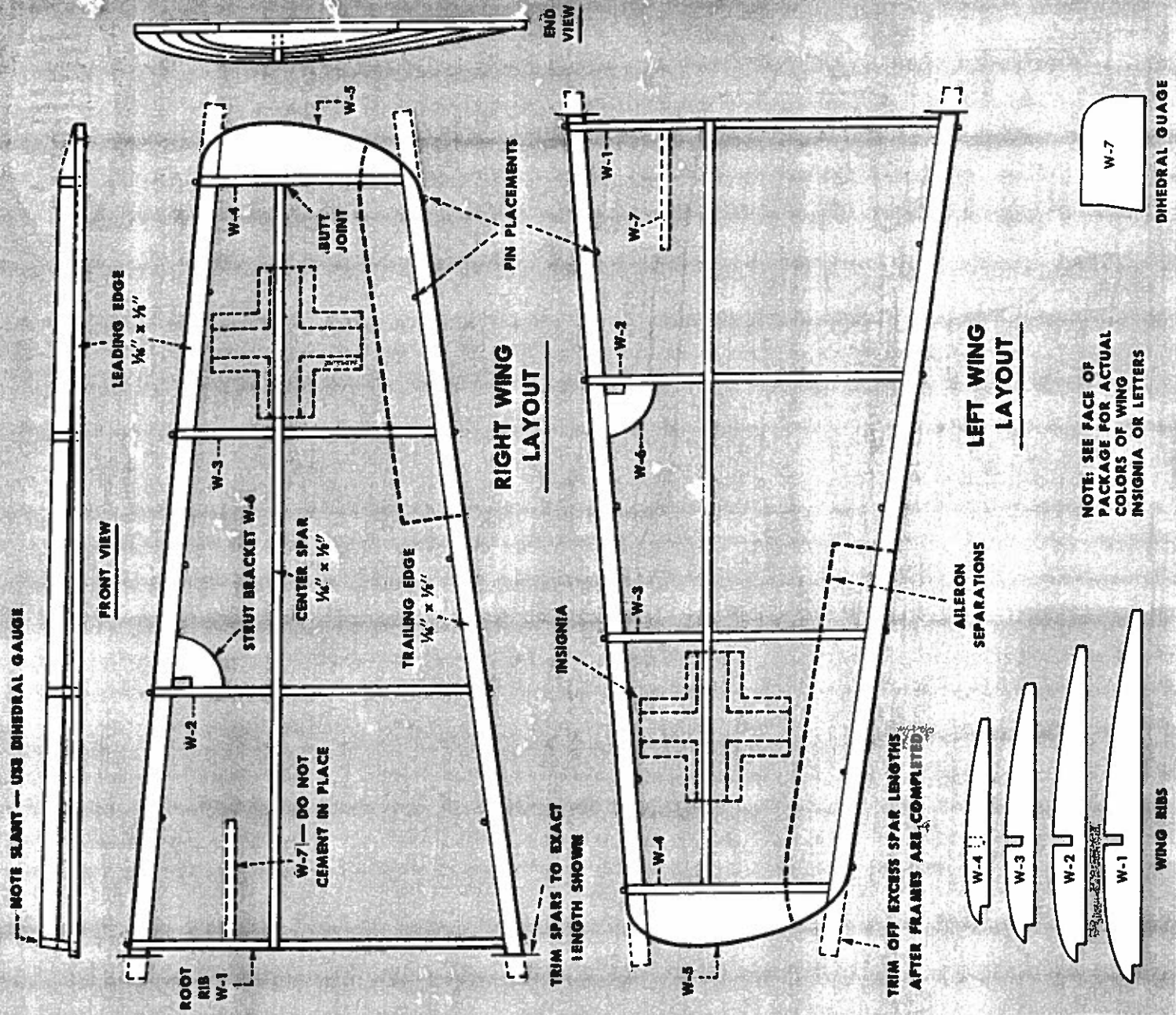
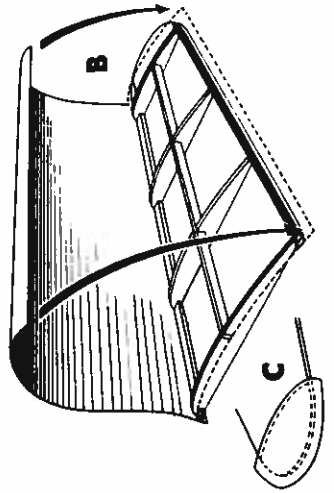
BUILDING WING FRAMES

1. Cut LEADING and TRAILING EDGES to length and pin in place on layouts. (Use common pins)
2. Cement die-cut WING RIBS to LEADING and TRAILING EDGES. — use dihedral gauge W-7 for correct ROOT RIB angle. (A)
3. Cut CENTER SPAR to length and cement in place.
4. Add WING TIP W-5; then STRUT BRACKET W-6.
5. Apply second coat of cement to all joints — let dry hard!
6. Remove pins and gently lift frames from wax paper. Trim off excess spar lengths.

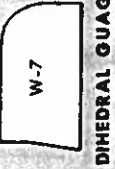


COVERING WING FRAMES

1. Lightly sandpaper frames to remove balsa fuzz and any excess cement.
2. Only tops of frames are covered with tissue. First cover area between ribs and leading and trailing edges. (B) Only apply cement along front of leading edge and top of ribs and trailing edge as shown.
3. Cover wing tip separately. (C). Trim off excess tissue.



NOTE: SEE FACE OF PACKAGE FOR ACTUAL COLORS OF WING INSIGNIA OR LETTERS



WING RIBS

AILERON SEPARATIONS

TRIM OFF EXCESS SPAR LENGTHS AFTER FRAMES ARE COMPLETED

TRIM SPARS TO EXACT LENGTH SHOWN

RIGHT WING LAYOUT

LEFT WING LAYOUT

DIHEDRAL GAUGE