

JUNKERS JU 88

Revell

H-113

Printed in Great Britain for Revell (Great Britain) Limited.

An American and an Englishman designed the plane that became Germany's most versatile air weapon against the Allies and its most widely produced plane of World War II.

Developed in 1936 as a medium bomber, the Junkers Ju 88 became an all-purpose aircraft. Germany's fighters — Focke-Wulfs and Messerschmitts — were its glamour planes, but the real support of the Luftwaffe was the Ju 88. Flying on all German fronts, it became a day fighter and a night fighter, a bomber, dive bomber, torpedo carrier, mine-layer, communications aircraft, ground and air attacker and operational trainer. As a reconnaissance plane, the Ju 88 spotted targets and radioed their position to a Ju 88 bomber; or it photographed them for future attack.

One Ju 88 was turned into an eight-seat transport for the use of the Commander-in-Chief of the Luftwaffe.

FLYING BOMB

Toward the end of the war, the Germans started to use the Ju 88 as a flying bomb. Single-engine fighters rode piggy-back on pilotless Ju 88's. Known as the Mistel, or popularly as Father and Son after a German comic strip, the two plane unit was connected with detachable struts. All controls were operated by the pilot of the upper plane. The engines of both planes were running during the dash to the target, and by drawing its fuel from the unmanned bomber's tanks, the fighter was able to increase its range. The fighter released the bomber over

the target. The Ju 88 plummeted down with an explosive force powerful enough to penetrate sixty feet of concrete.

Nine Mistel units sank six Allied ships off the coast of France during the invasion. Their success led to additional conversions. In December, 1944 planes were poised on Danish airfields to strike the British Fleet near Scotland. A full moon made the mission impossible as the lumbering double-deckers, incapable of maneuvering and without defense, would have proved easy targets for interceptors.

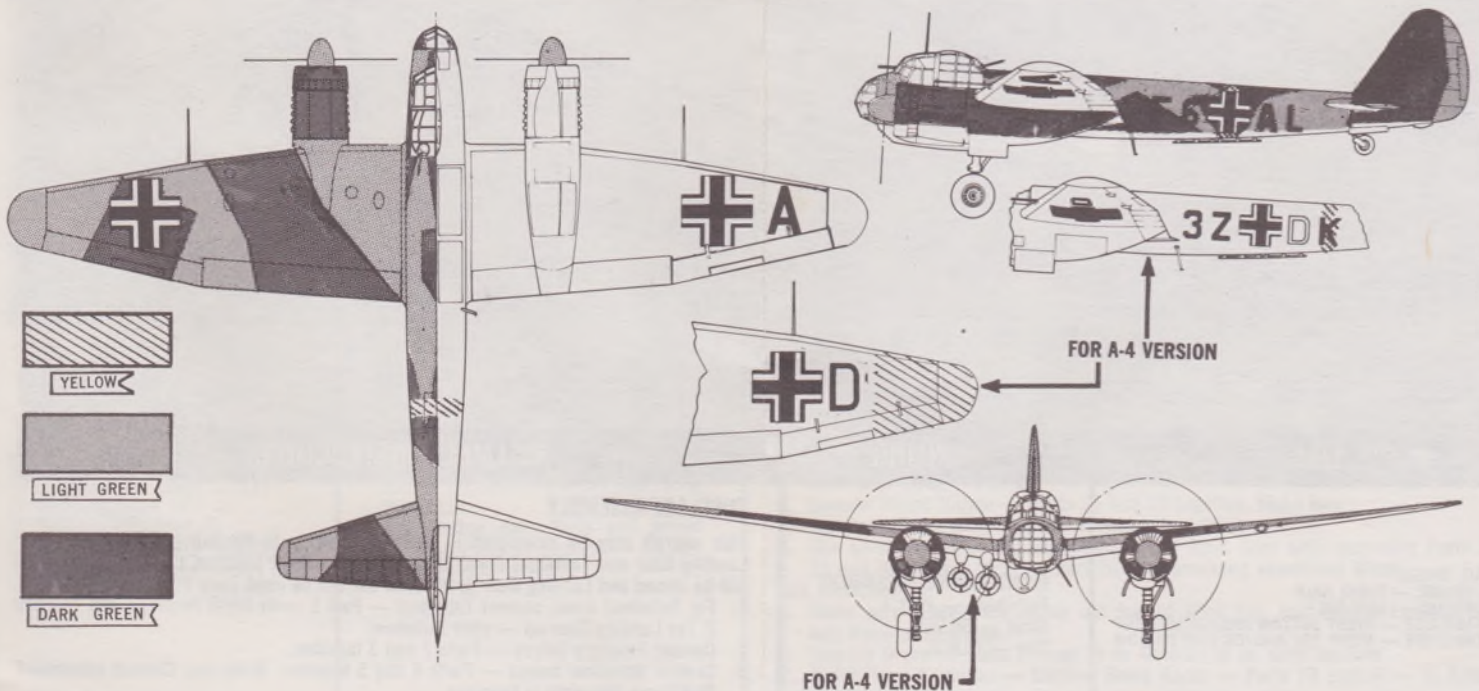
YOUR TWO-IN-ONE MODEL

Of the 15,000 Ju 88's built during the war, 6,000 were bomber versions. The total production of Ju 88's exceeded the total number of all other German bombers produced.

Your REVELL model can be built either in the reconn. version (Ju 88 D-1) or the bomber version (Ju 88 A-4). REVELL'S reconnaissance version is an exact model of the Ju 88 D-1 on display at the Air Force Museum at Wright Patterson Air Force Base, Dayton, Ohio.

SPECIFICATIONS

Wingspan:	65' 10½"	Performance —
Length:	47' 1½"	Maximum Speed: 273 mph
Power Plant —		Range: 1,553 Miles
Two Junkers Jumo 211J,	1,410 hp	Service Ceiling: 27,880 feet
Armament —		Ju 88 A-4 version —
5 7.9 mm MG .81 Machine guns		6,614 lbs. of bombs



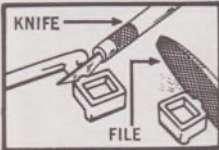


DO NOT DETACH PARTS. Parts are numbered for identification. The number is located on a tab next to part or inside of part. Read the Painting Information and Assembly Instructions, then detach each part as required.



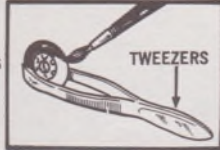
CEMENT IS REQUIRED FOR ASSEMBLY. Fit parts together, if necessary trim excess plastic or scrape off paint before cementing. Use a small amount of cement to avoid damage to your model. Apply cement with a toothpick, pin or small paint brush. Parts that move or snap together will be identified **DO NOT CEMENT.**

TOOLS HELPFUL FOR ASSEMBLY

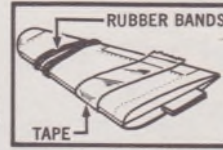


KNIFE
TO DETACH
AND TRIM PARTS

FILE
TO REMOVE
EXCESS PLASTIC



TWEEZERS
TO PICK UP
AND HOLD
SMALL PARTS



RUBBER BANDS
TAPE

**TAPE AND
RUBBER BANDS**
TO HOLD PARTS
TOGETHER UNTIL
CEMENT DRIES

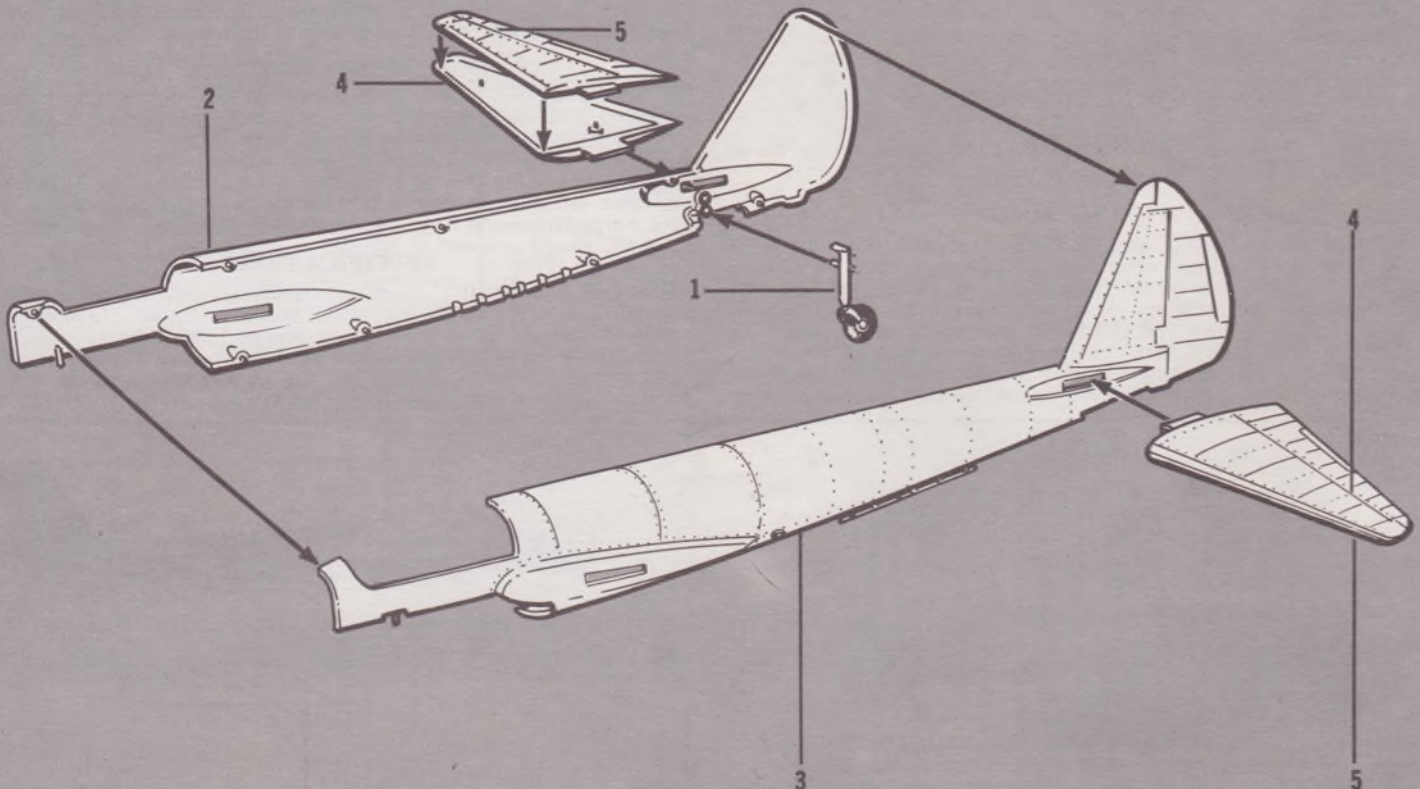


PAINTING INFORMATION

You can assemble this model without painting it. If you choose to paint, the following procedure is suggested.

1. Read the Painting Information in all assembly steps before starting to assemble kit.
2. Paint all of the parts noted **PAINT BEFORE ASSEMBLY** before detaching.
3. Paint all parts requiring paint of one color before changing to paint of another color. Paint light colors first.

1



PARTS LIST

PAINTING

ASSEMBLY INSTRUCTIONS

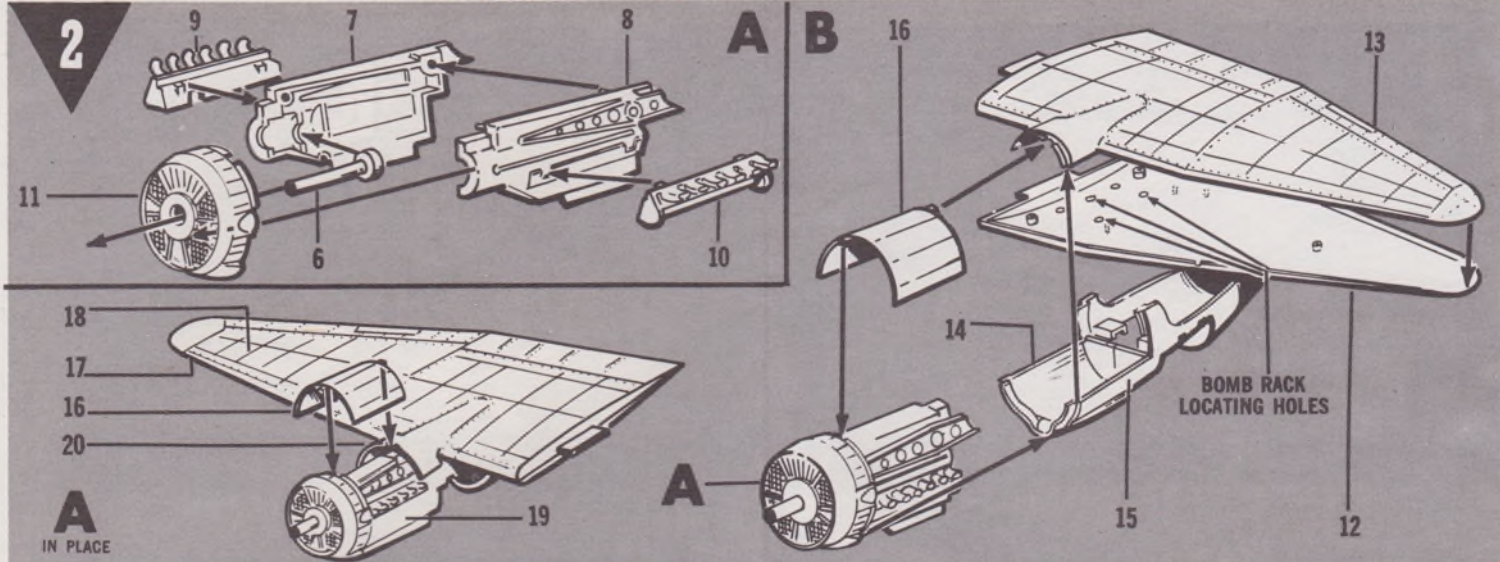
- 1 TAIL WHEEL
- 2 FUSELAGE — RIGHT HALF
- 3 FUSELAGE — LEFT HALF
- 4 STABILIZER — RIGHT BOTTOM AND/OR LEFT TOP
- 5 STABILIZER — RIGHT TOP AND/OR LEFT BOTTOM

PAINT BEFORE ASSEMBLY:
Tailwheel — Part 1
Strut — SILVER
Tire — BLACK

FUSELAGE ASSEMBLY

This aircraft may be assembled in flight position or in landing position with Main Landing Gear and Tailwheel down. If assembled in flight position, Landing Gear Doors will be closed and Landing Gear Assemblies will not be used.

1. For Tailwheel down, cement Tailwheel — Part 1 — in Right Fuselage Half — Part 2.
2. For Landing Gear up — omit Tailwheel.
3. Cement Fuselage halves — Parts 2 and 3 together.
4. Cement Stabilizer halves — Parts 4 and 5 together. Make two. Cement assembled Stabilizers into slots in Fuselage.



PARTS LIST

PAINTING

ASSEMBLY INSTRUCTIONS

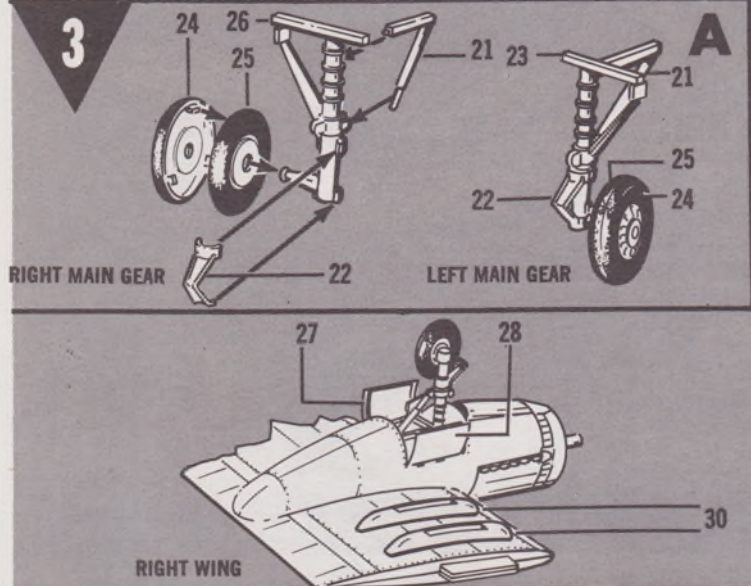
- 6 PROP SHAFT (2)
 7 ENGINE — RIGHT HALF
 8 ENGINE — LEFT HALF
 9 HEAD & MANIFOLD — RIGHT (2)
 10 HEAD & MANIFOLD — LEFT (2)
 11 COWL — (2)
 12 WING BOTTOM — LEFT
 13 WING TOP — LEFT
 14 LEFT NACELLE — INBOARD HALF
 15 LEFT NACELLE — OUTBOARD HALF
 16 HOOD (2)
 17 WING BOTTOM — RIGHT
 18 WING TOP — RIGHT
 19 RIGHT NACELLE — INBOARD HALF
 20 RIGHT NACELLE — OUTBOARD HALF

PAINT BEFORE ASSEMBLY:
 Engine Halves, Parts 7, 8, (2 each) — DARK GRAY
 Head and Manifold — Parts 9 (2) and 10 (2) — DARK GRAY with FLAT BLACK Exhaust pipes.
 Cowl — Part 11 (2) — Radiator screens — FLAT BLACK

ENGINE & WING ASSEMBLY

SEE DRAWING "A"

- Place (Do Not Cement) Prop Shaft — Part 6 into Right Engine Half — Part 7. Not allowing cement to touch Part 6, cement Part 7 and Part 8 together. Make two. Cement Right and Left Manifolds — Parts 9 and 10 to Engines.
- Cement completed Engines into Cows — Parts 11 and set assembly aside to dry. SEE DRAWING "B"
- Note: For A-4 version (See History) — open Bomb Rack Locating Holes on Wing Bottom Halves — Parts 12 and 17. Cement Part 12 and Left Wing Top Half — Part 13 together.
- Cement Left Nacelle Halves — Parts 14 and 15 together and cement assembled Nacelle around pins on Wing Bottom.
- Cement (1) completed Cowl and Engine Assembly to Left Wing Assembly.
- Snap — Do Not Cement — Hood — Part 16 — over Engine between Cowl and Nacelle. Hood can be removed to view Engine.
- Complete Right Wing Assembly in same order using Parts 6 thru 11 — (Engine and Cowl Assembly) and Parts 16 thru 20.



PARTS LIST

PAINTING

ASSEMBLY INSTRUCTIONS

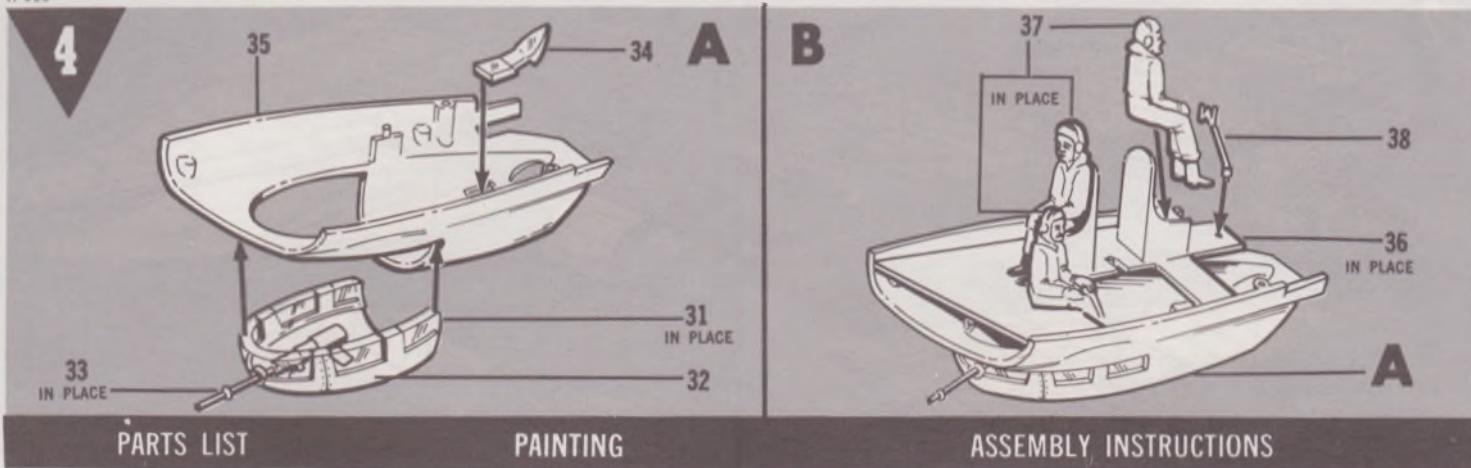
- 21 BACK BRACE (2)
 22 KNEE BRACE (2)
 23 LANDING GEAR STRUT — LEFT
 24 WHEEL OUTSIDE HALF (2)
 25 WHEEL INSIDE HALF (2)
 26 LANDING GEAR STRUT — RIGHT
 27 LANDING GEAR DOOR — RIGHT (2)
 28 LANDING GEAR DOOR — LEFT (2)
 29 BOMB RACK — LEFT WING (2)
 30 BOMB RACK — RIGHT WING (2)

PAINT BEFORE CEMENTING INTO NACELLE
 All Landing Gear Parts and Wheel Hubs — Parts 21 thru 26 — SILVER
 Tires — FLAT BLACK

LANDING GEAR & DOORS ASSEMBLY

SEE DRAWING "A"

- For Wheels Up — omit Landing Gear assembly and cement Doors — Parts 27 and 28 in closed position.
 For Wheels in Down position:
- Cement (1) Back Brace — Part 21 and (1) Knee Brace — Part 22 — to Left Main Gear Strut — Part 23.
- Cement Wheel Halves — Parts 24 and 25 together. Make two.
- Carefully snap a completed Wheel onto Axle of Strut.
- Use same procedure for assembling Right Main Gear with remaining Parts 21, 22 and Right Gear Strut — Part 26 and remaining assembled Wheel.
- SEE DRAWING "B"
- Make sure Wheels are facing out toward Wing Tip, and cement Landing Gear into Nacelles as shown.
- Cement Doors — Parts 27 and 28 to Nacelles in an open position.
- Note: For A-4 version — Cement Bomb Racks — Parts 29 and 30 — to bottom of Wings as shown.



PARTS LIST

PAINTING

ASSEMBLY INSTRUCTIONS

- 31 GONDOLA REAR WINDOWS
32 GONDOLA BOTTOM
33 MACHINE GUN
34 GONDOLA FRONT WINDOWS
35 GONDOLA
36 COCKPIT FLOOR
37 CREW FIGURES (3)
38 CONTROL COLUMN

PAINT BEFORE ASSEMBLY
All aircraft interior surfaces — GRAY
Machine Gun — BLACK
Crew Figures — DARK GRAY Uni-
forms, Flesh Colored Skin
Helmets — BROWN
Control Column — BLACK

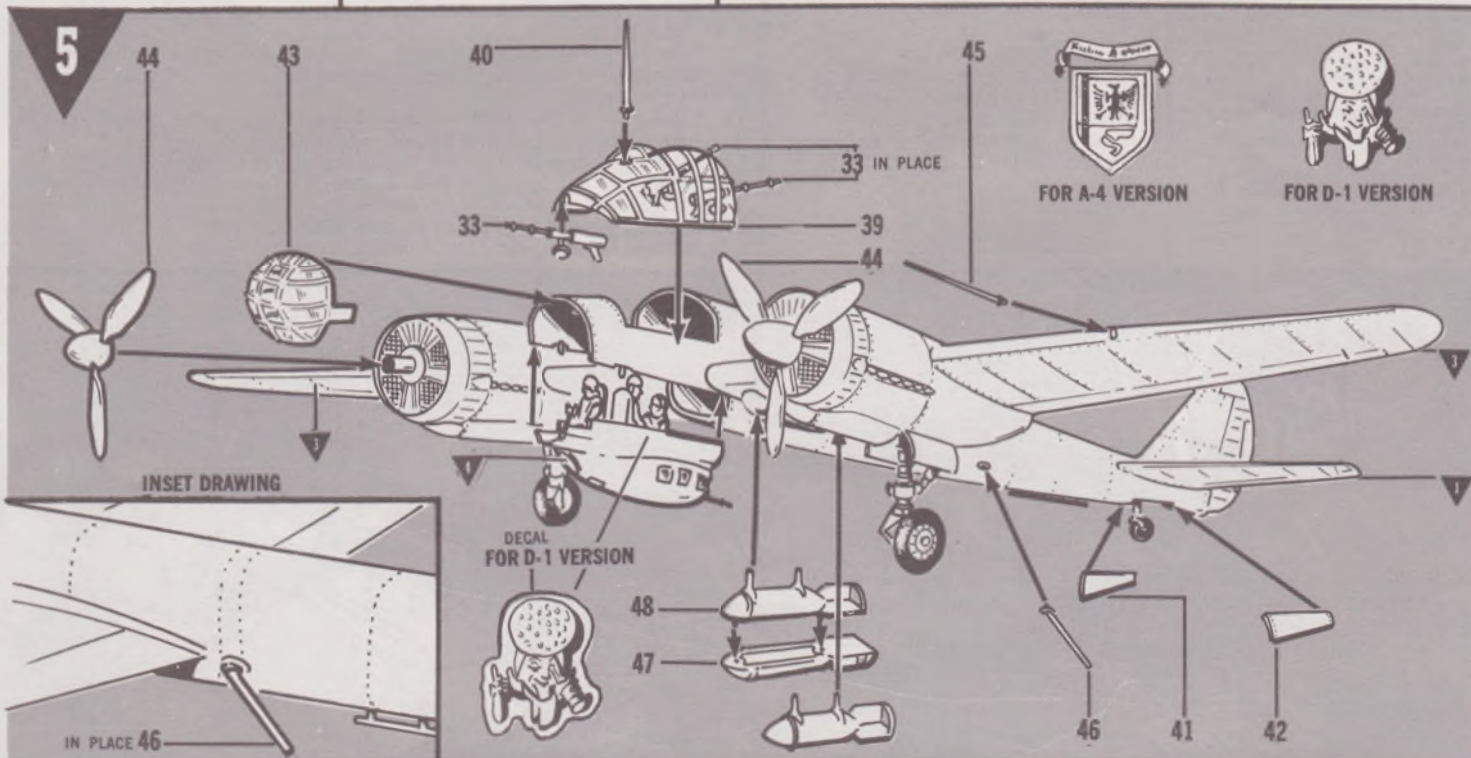
GONDOLA ASSEMBLY

SEE DRAWING "A"

1. Cement Gondola Rear Windows — Part 31 — to Gondola Bottom — Part 32.
2. Cement Machine Gun — Part 33 — into slot in Gondola Bottom.
3. Cement Gondola Front Windows — Part 34 — into Gondola — Part 35.
4. Cement Gondola Bottom Assembly to Gondola.

SEE DRAWING "B"

1. Cement Cockpit Floor — Part 36 into Gondola.
2. Cement Crew Figures — Parts 37 (3) in place. Figure seated on floor may be located as desired.
3. Cement Control Column — Part 38. — to floor between Pilot's feet.



PARTS LIST

PAINTING

ASSEMBLY INSTRUCTIONS

- 33 MACHINE GUN (3)
39 COCKPIT CANOPY
40 COCKPIT ANTENNA MAST
41 TAILWHEEL DOOR — RIGHT
42 TAILWHEEL DOOR — LEFT
43 NOSE CANOPY
44 PROPELLER — (2)
45 PITOT TUBE
46 SIDE AERIAL
47 BOMB HALF — BOTTOM (4)
48 BOMB HALF — TOP (4)

PAINT BEFORE ASSEMBLY
Propeller Blades — FLAT BLACK
Propeller Hub — GREEN (A-4 version
— RED tip)
Pitot Tube — SILVER
Antenna — GREEN
Bombs — (A-4 Version) 550 lb.
General Purpose — may be ALUMI-
NUM, TAN or LIGHT BLUE.

FINAL ASSEMBLY

1. Cement Right and Left Wing Assemblies to Fuselage Assembly.
2. Carefully align and cement Gondola Assembly to the bottom of Fuselage.
3. Cement Machine Guns (3) Parts 33 — into Cockpit Canopy — Part 39. Cement Cockpit Antenna Mast — Part 40 — to top of Canopy.
4. Cement completed Cockpit Canopy assembly to top of Fuselage.
5. Cement Tailwheel Doors — Parts 41 and 42 to Fuselage in open position for Wheels Down, in closed position for Wheels Up.
6. Cement Nose Canopy — Part 43 to front of Fuselage.
7. Carefully cement Propellers — Parts 44 to Prop. Shafts on Engines. Propellers should spin freely.
8. Cement Pitot Tube — Part 45 to front of Left Wing and Side Antenna Mast — Part 46 to Left Side of Fuselage pointing Downward. (See Drawing in Inset.)
9. For A-4 version — cement Top and Bottom Bomb Halves — Parts 47 and 48 together. Make four. Press the pins on completed Bomb into slot in Bomb Rack. Bombs may be removed if desired.
10. Refer to Box Cover and three-view Drawing for exact paint schemes and decal locations for D-1 or A-4 versions.