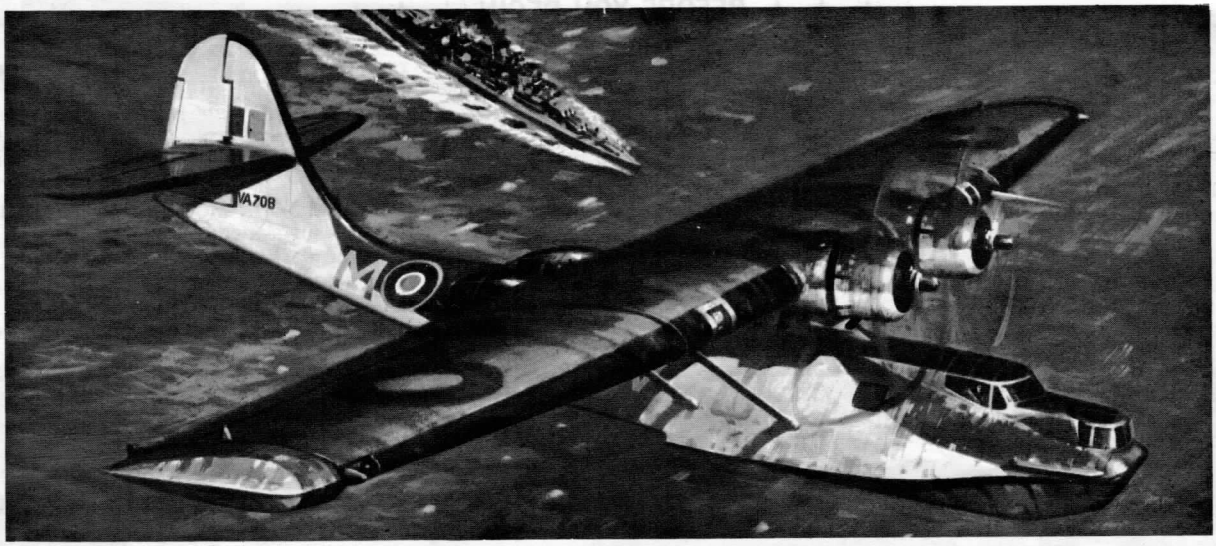


PBY-5 CATALINA Flying Boat

Revell

H107 Printed in Great Britain for Revell (G.B.) Limited, Cranborne Road, Potters Bar, Hertfordshire.

One of the most useful, if not the most beautiful, aircraft used in World War II was the awkward looking PBY Catalina.

The Catalina was a record breaker from the beginning of its long career. The original XPBY-1 flew from Norfolk, Virginia to Coco Solo, Canal Zone, non-stop, then flew on to San Francisco, California, again non-stop, thus establishing a new International record for seaplanes. A commercial version of the PBY became the first seaplane to fly across the American continent, covering the distance between San Diego and New York in 17 hours.

With the onset of World War II, PBY's were found in many roles. Originally designed as a long range patrol bomber, the Catalina proved well suited to this operation. One of the most noted accounts of the PBY patrol boats was the discovery of the German super battleship Bismark by a British Catalina. In the battle that followed, the German dreadnaught was sunk by the British Navy. Many German U-boats failed to see the surface again after detection and attack by the venerable flying boat.

Although there was some care required in taking-off and landing, the Catalina was generally considered an easy plane to handle once her quirks were understood. The PBY-5 had a maximum speed of 189 mph and a service ceiling of 21,600 feet.

Many airmen owe their lives to the PBY's ability to withstand severe punishment from enemy gunfire. On many occasions Catalinas were flown right into the teeth of the fighting to rescue downed Allied pilots. Enemy gunfire tore chunks of covering from the big flying boats, but they still could take off and return safely to their bases.

Even in peacetime the Catalina has proven very useful. The United States Coast Guard used the PBY-5 and 5A (Amphibian) in its air-sea rescue operations. These versatile flying boats could land alongside stricken vessels and take their crews to safety or deliver medicine or supplies to the ships if needed.

CONSOLIDATED PBY-5 CATALINA
WINGSPAN: 104 feet
LENGTH: 63 feet 10 inches
ENGINES: Two Pratt and Whitney R-1830 Twin Wasp, 1,050 hp each
MAXIMUM SPEED: 189.7 mph
MAXIMUM RANGE: 2,500 miles

★ ★ ★ BEFORE YOU BEGIN ★ ★ ★

GET YOUR TOOLS READY:

KNIFE TO DETACH AND TRIM PARTS
FILE TO REMOVE EXCESS PLASTIC

TWEEZERS TO PICK UP AND HOLD SMALL PARTS

CEMENT USE TOOTHPICK PAINT BRUSH OR PIN TO APPLY IT

TAPE AND CLOTHES PINS TO CLAMP AND HOLD PARTS UNTIL THEY ARE DRY

DO NOT DETACH PARTS UNTIL YOU ARE READY TO USE THEM! PARTS ARE NUMBERED TO HELP YOU FIND THEM. LOOK FOR THE NUMBER ON TAB NEXT TO PART OR ON PART ITSELF.

FIRST, FIT PARTS TOGETHER and TRIM EXCESS PLASTIC. Use a toothpick, pin or small paint brush to apply cement. APPLY CEMENT SPARINGLY. Too much cement will damage your model.

NOTE: In the illustrations some of the details on the parts have been OMITTED FOR CLARITY.

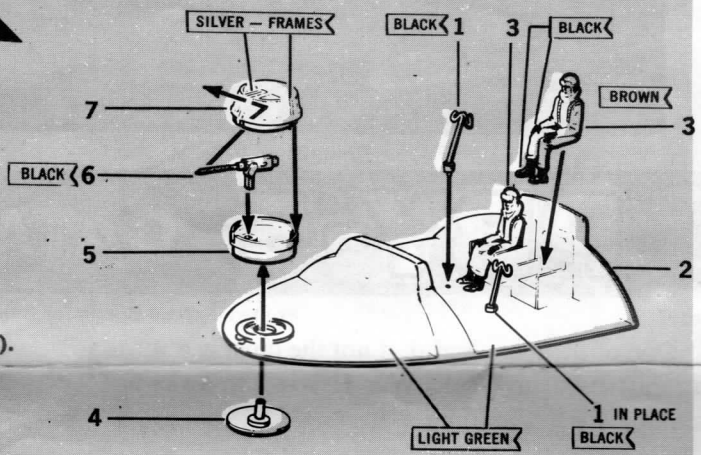
NOTE: DISCARD ANY PART NOT CALLED FOR IN THE ASSEMBLY STEPS.

IF YOU WISH TO PAINT YOUR MODEL — See PAINTING FLAGS for color suggestions.

- **Use paints made for plastics only.**
- Paint small parts **before** detaching from runner.
- Start with the lighter colors.
- Scrape off paint where cement is to be applied. Cement will not work on paint.

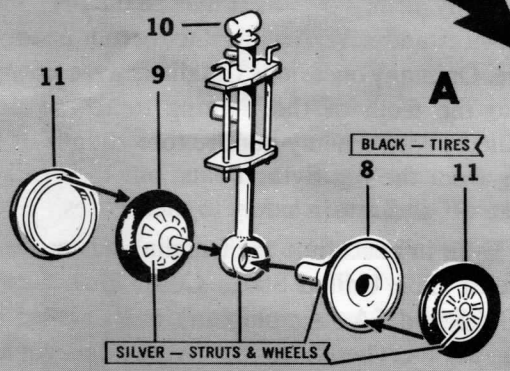
1 FLIGHT DECK

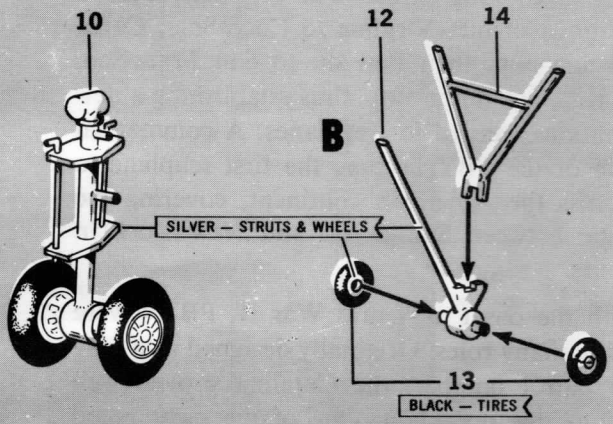
1 CONTROL COLUMN (2 Parts)
2 FLIGHT DECK
3 CREW MEMBERS (2 Parts)
4 NOSE TURRET RETAINER
5 TURRET BASE
6 MACHINE GUN
7 TURRET ENCLOSURE (CLEAR)



1. Cement two **Parts (1)** and **(3)** to **Part (2).**
2. Press **Parts (4)** and **(5)** together through hole in **Part (2).**
3. Cement **(6)** and **(7)** to **Part (5).**

2 BEACHING GEAR





8 INSIDE WHEEL HALF WITH AXLE (2 Parts)
9 INSIDE WHEEL HALF (2 Parts)
10 BEACHING GEAR (2 Parts)
11 OUTSIDE WHEEL HALF (4 Parts)
DRAWING B
12 TAIL SUPPORT STRUT
13 TAIL WHEELS (2 Parts)
14 SIDE BRACE

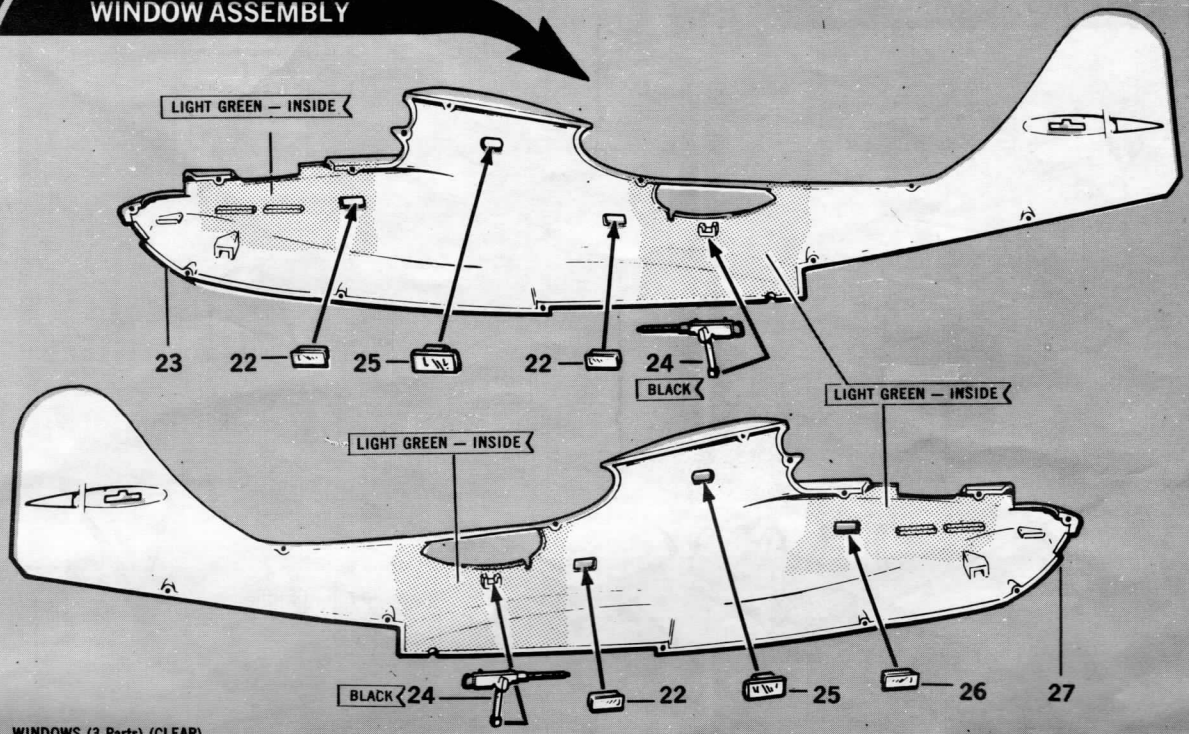
DRAWING A

1. Press WHEEL HALVES **(8)** with AXLE, and **(9)** together inside GEAR STRUT **(10).** Repeat assembly for other GEAR.
2. Cement four OUTER WHEEL HALVES **(11)** to INSIDE WHEELS.

DRAWING B

1. Cement two TAIL WHEELS **(13),** to STRUT **(12).** Cement **(14)** to **(12).**

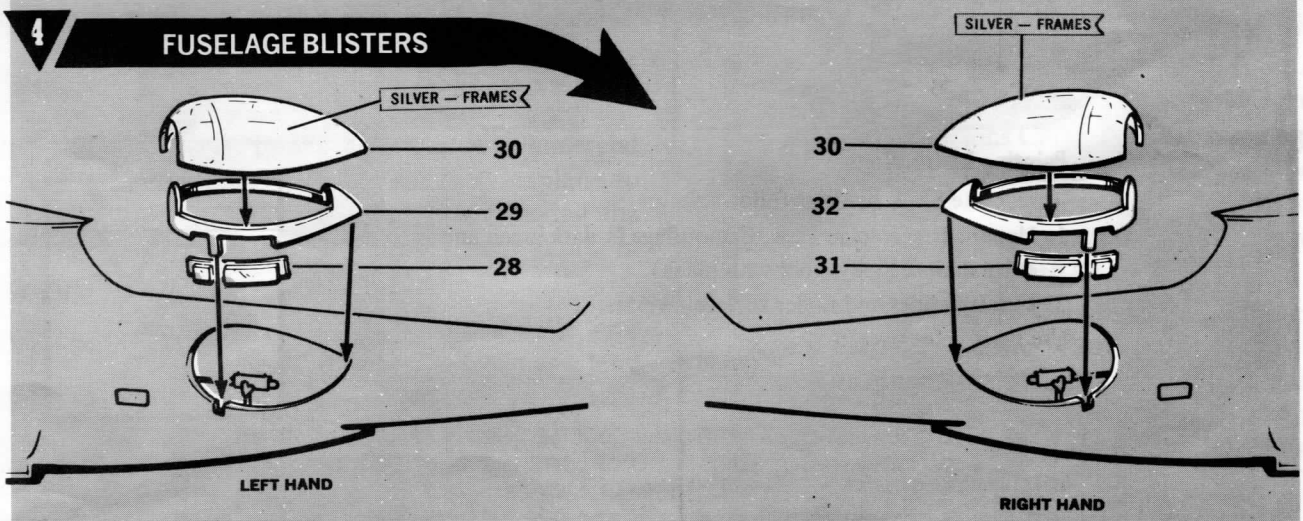
3 WINDOW ASSEMBLY



22 WINDOWS (3 Parts) (CLEAR)
23 RIGHT FUSELAGE
24 MACHINE GUN (2 Parts)
25 PYLON WINDOW (2 Parts) (CLEAR)
26 LARGE WINDOW (CLEAR)
27 LEFT FUSELAGE

1. Cement Clear WINDOWS AND GUNS inside both FUSELAGE HALVES as shown.

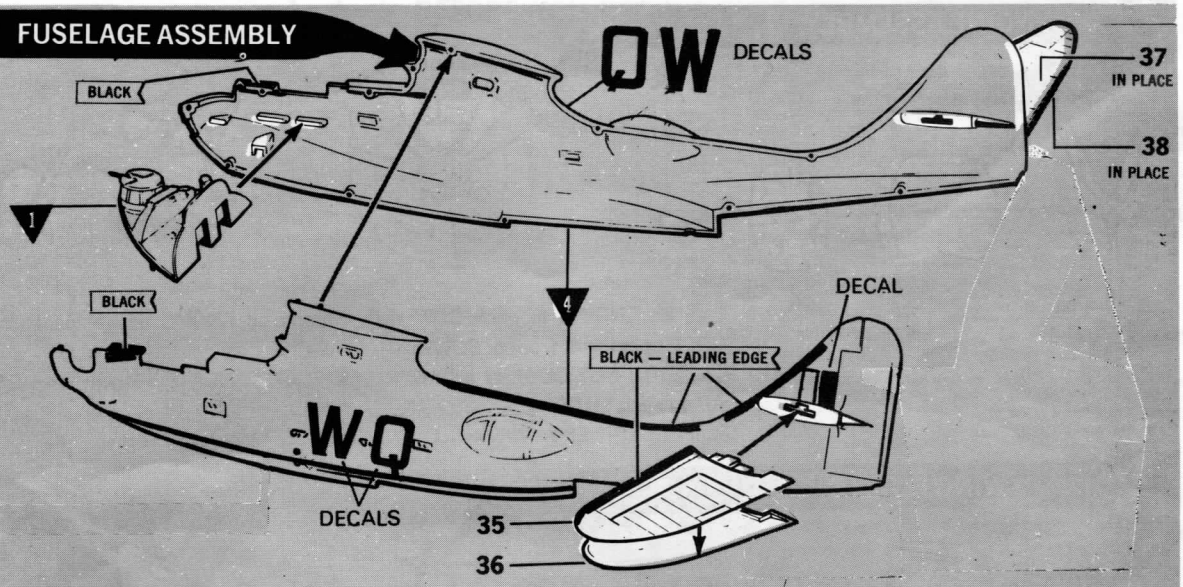
4 FUSELAGE BLISTERS



28 LOWER LEFT WINDOW (CLEAR)
29 BLISTER FAIRING LEFT
30 GUN PORT BLISTER (2 Parts) (CLEAR)
31 LOWER WINDOW RIGHT (CLEAR)
32 BLISTER FAIRING RIGHT

1. Cement the LEFT GUN PORT WINDOW **(28)** in the BLISTER FAIRING **(29)**. Cement **(29)** to LEFT FUSELAGE. Then cement one clear BLISTER **(30)** to FAIRING.
2. Repeat assembly for RIGHT FUSELAGE using parts as shown.

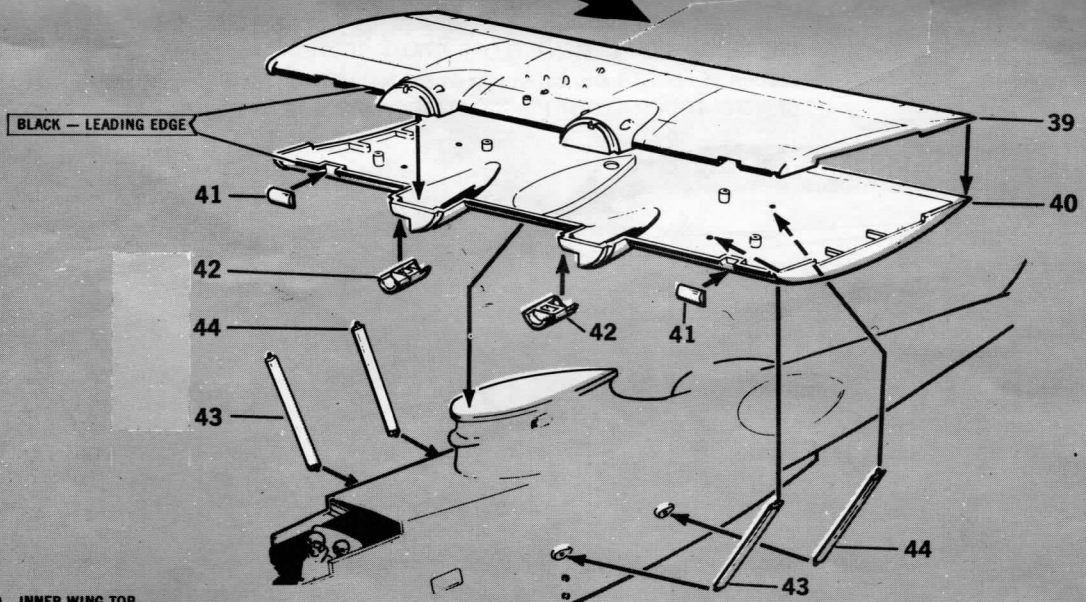
5 FUSELAGE ASSEMBLY



35 LEFT STABILIZER TOP
36 LEFT STABILIZER BOTTOM
37 RIGHT STABILIZER TOP
38 RIGHT STABILIZER BOTTOM

1. Cement FLIGHT DECK to RIGHT FUSELAGE HALF then cement FUSELAGE HALVES together.
2. Assemble LEFT and RIGHT STABILIZER HALVES together and then cement to FUSELAGE. Apply DECALS as shown.

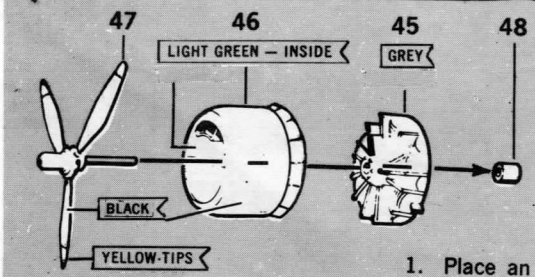
6 INNER WING ASSEMBLY

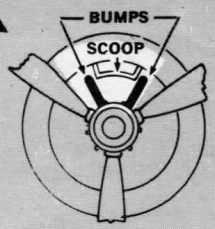


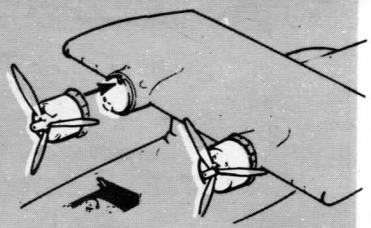
39 INNER WING TOP
40 INNER WING BOTTOM
41 LANDING LIGHT COVER (2 Parts) (CLEAR)
42 OIL COOLER FAIRING (2 Parts)
43 FORWARD WING STRUT (2 Parts)
44 REAR WING STRUT (2 Parts)

1. Cement WING SECTIONS together and add clear LIGHT COVERS to LEADING EDGE, then OIL COOLER FAIRINGS to NACELLE FIREWALLS. Cement INNER WING to top of FUSELAGE.
2. Cement FORWARD and REAR WING STRUTS between WING and FUSELAGE

7 ENGINE ASSEMBLY



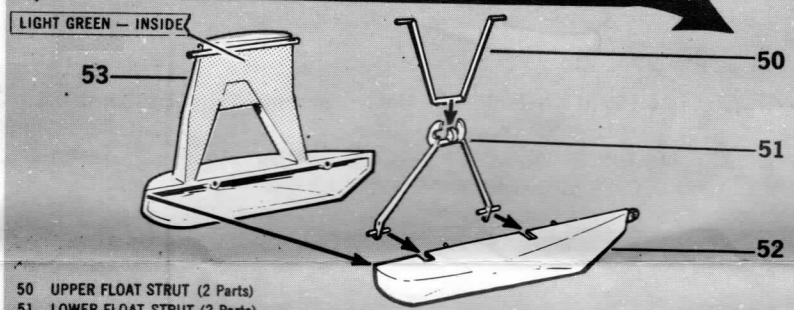


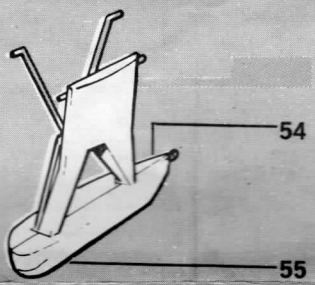


45 ENGINE (2 Parts)
46 ENGINE COWLING (2 Parts)
47 PROPELLER (2 Parts)
48 RETAINER CAP (2 Parts)

1. Place an ENGINE in each COWLING. Bumps on ENGINE locate on each side of SCOOP opening at front of COWL.
2. **PLACE, DO NOT CEMENT** a PROPELLER in each ENGINE, then press a RETAINER CAP on each SHAFT.
3. Cement ENGINES to WING — COWLING SCOOP locates at top.

8 WING FLOATS

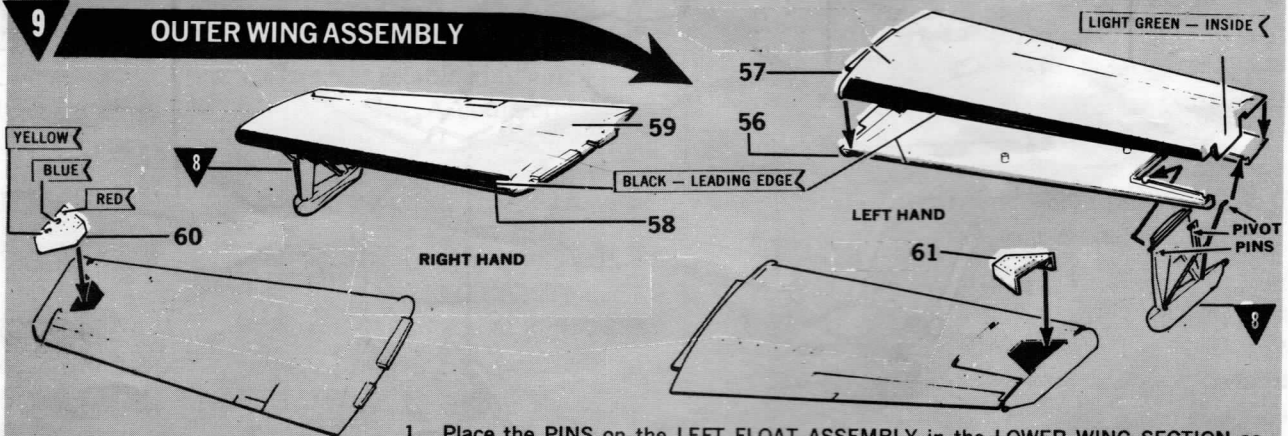




50 UPPER FLOAT STRUT (2 Parts)
51 LOWER FLOAT STRUT (2 Parts)
52 WING FLOAT OUTER LEFT HALF
53 WING FLOAT INNER LEFT HALF
54 WING FLOAT OUTER RIGHT HALF
55 WING FLOAT INNER RIGHT HALF

1. **PRESS, DO NOT CEMENT** FLOAT STRUT SECTIONS together. Place in outboard section of FLOATS and carefully cement HALVES of FLOATS together. **DO NOT LET CEMENT TOUCH** STRUT PINS or FLOATS will not retract.

9 OUTER WING ASSEMBLY



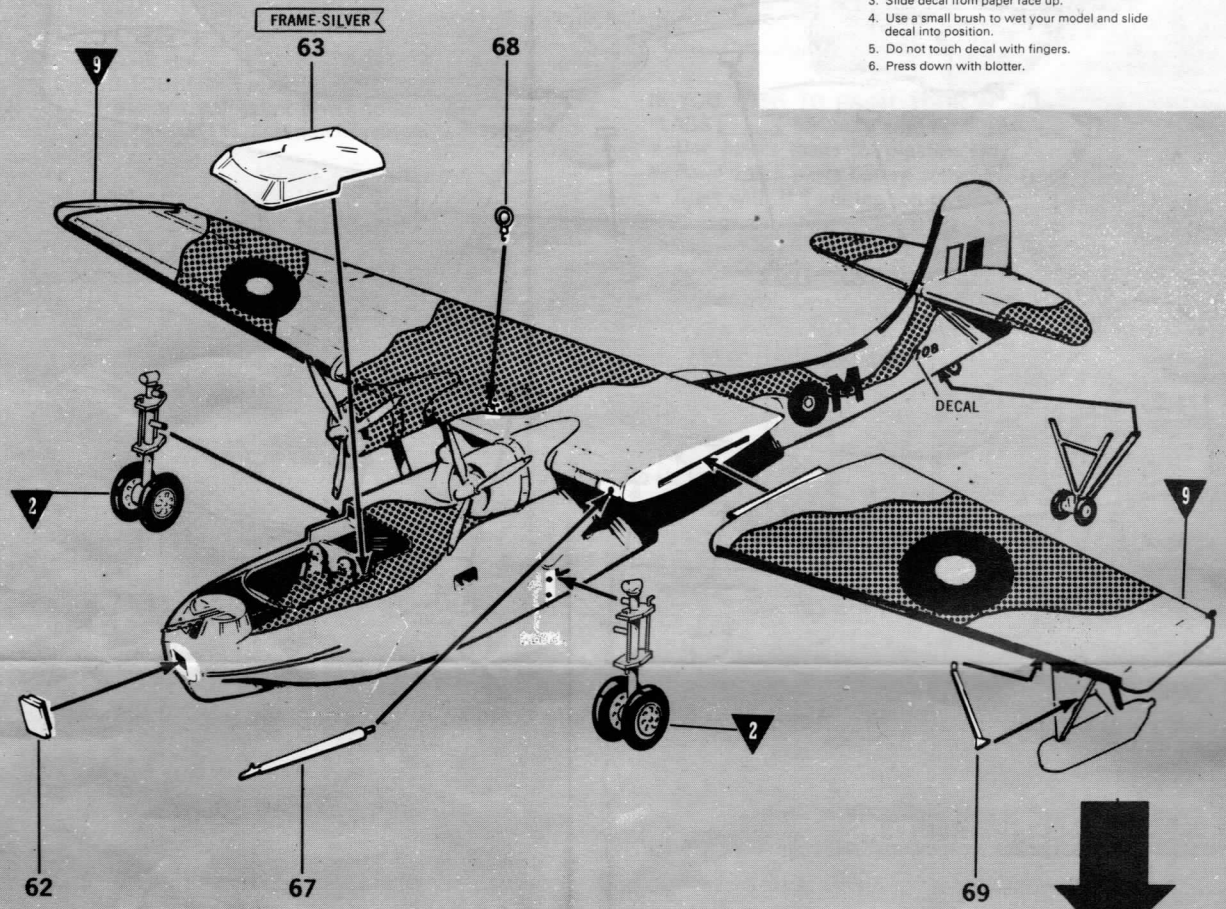
56 LEFT OUTER WING LOWER PANEL
57 LEFT OUTER WING UPPER PANEL
58 RIGHT OUTER WING LOWER PANEL
59 RIGHT OUTER WING UPPER PANEL
60 FLOAT STRUT FAIRING RIGHT
61 FLOAT STRUT FAIRING LEFT

1. Place the PINS on the LEFT FLOAT ASSEMBLY in the LOWER WING SECTION as shown and carefully cement LOWER WING to TOP SECTION. **KEEP CEMENT AWAY** from PIVOT POINTS of FLOAT ASSEMBLY.
2. Assemble RIGHT WING and FLOAT ASSEMBLY.
3. When cement has set turn upside down and retract FLOATS then cement STRUT FAIRINGS to the inside surface of both TOP WINGS through openings in FLOAT ASSEMBLIES.

10 FINAL ASSEMBLY

DECAL APPLICATION DIRECTIONS

1. Cut each design from decal sheet as needed
2. Dip in water.
3. Slide decal from paper face up.
4. Use a small brush to wet your model and slide decal into position.
5. Do not touch decal with fingers.
6. Press down with blotter.

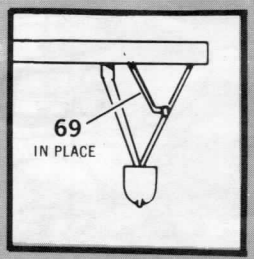


Painting Instructions

Temperate Sea scheme as follows:–

1. Upper surface–plan view. Camouflage in dark green and extra dark sea grey (mix with black).
2. Fuselage sides and under surface–white.

Use matt paint overall.



62 NOSE WINDOW
63 COCKPIT CANOPY (CLEAR)
67 PITOT TUBE
68 LOOP ANTENNA
69 FLOAT LOCKING STRUT (2 Parts)

1. Cement NOSE WINDOW and COCKPIT CANOPY to FUSELAGE.
2. Cement PITOT TUBE and LOOP ANTENNA to INNER WING.
3. Cement OUTER WINGS to INNER WINGS.
4. Cement MAIN BEACHING GEARS to sides of FUSELAGE. Position REAR WHEEL ASSEMBLY at point on FUSELAGE where STRUTS contact surface properly and cement in place. Apply DECALS as shown.

If you wish to keep the WING FLOATS in a permanent down position cement the FLOAT STRUTS **(69)** between bottom of WING and pivot point of FLOAT BRACES.