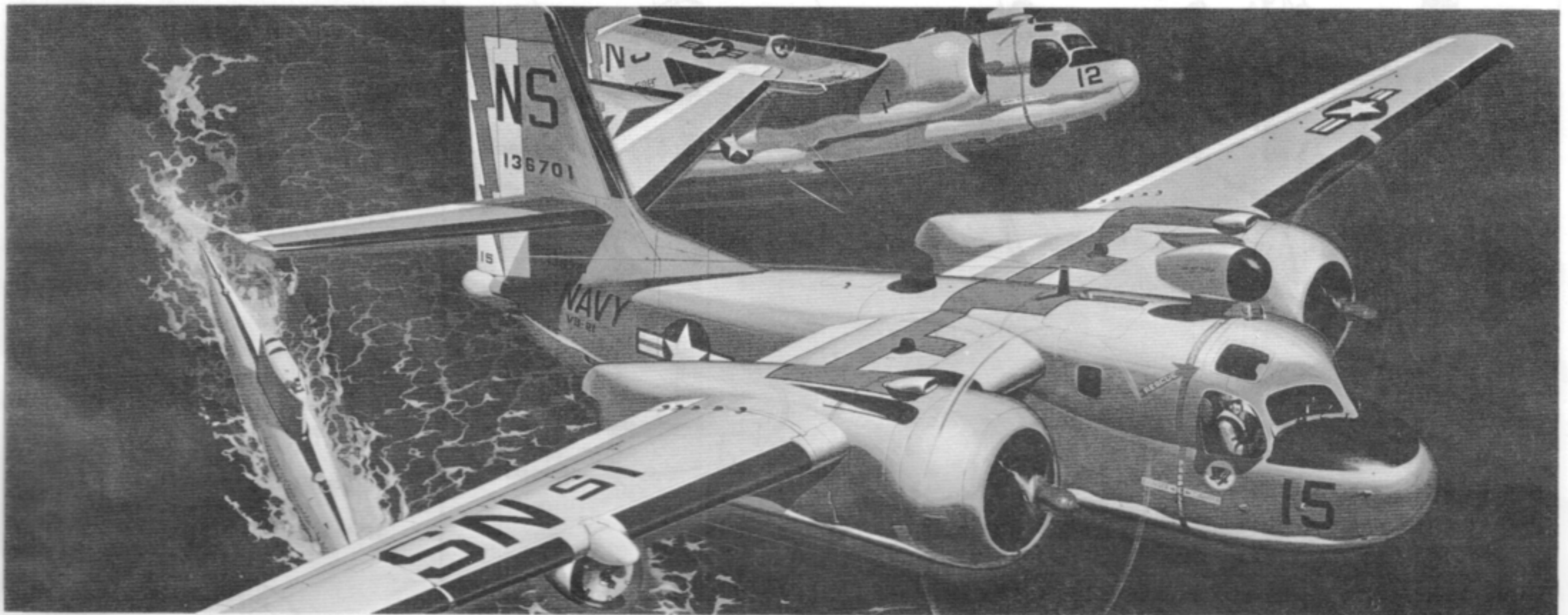


Grumman S2F-1(S-2A) Tracker

1/72 SCALE SERIES KIT NO. JS-102



HASEGAWA



HISTORY

The anti-submarine aircraft is an aircraft whose mission is to search and attack enemy submarines. After the World War II, to search anti-submarines and attack aircrafts, U.S. Navy adopted the tactics to work in groups of two carrier aircrafts: one of which is a searcher with a radar equipments and another is an armed attacker. Among them were the carrier aircrafts powered a single engine, such as the Grumman TBM-3W/3S Avenger and the Grumman AF-2W/2S Guardian. Around 1950, the Grumman Aircraft Engineering Corporation newly designed a new twin engine carrier aircraft that can fulfill two missions of search and attack simultaneously. The maiden flight of the prototype was made on December 14, 1952. This was the Grumman XS2F-1 Sentinel, an anti-submarine search and attack carrier aircraft. In February of 1952, U.S. Navy started to use this aircraft carrier and designated it the S2F-1 Tracker. Sixty of them were delivered to the Japanese Maritime Self-Defence Force and used as the ground based anti-submarine searcher and attacker. They were renamed "Otaka" or big hawks in the way of Japanese designation instead of the "Tracker" in U.S. Navy. This anti-submarine aircraft is small in size, powered by twin engine, provided with superior electronic

instruments and fully armed. It is equipped with a search radar, a retractable magnetic anomaly detector (MAD), an instantaneous electronic countermeasures direction finder (ECM), an acoustic search equipment and a remotely controlled searchlight.

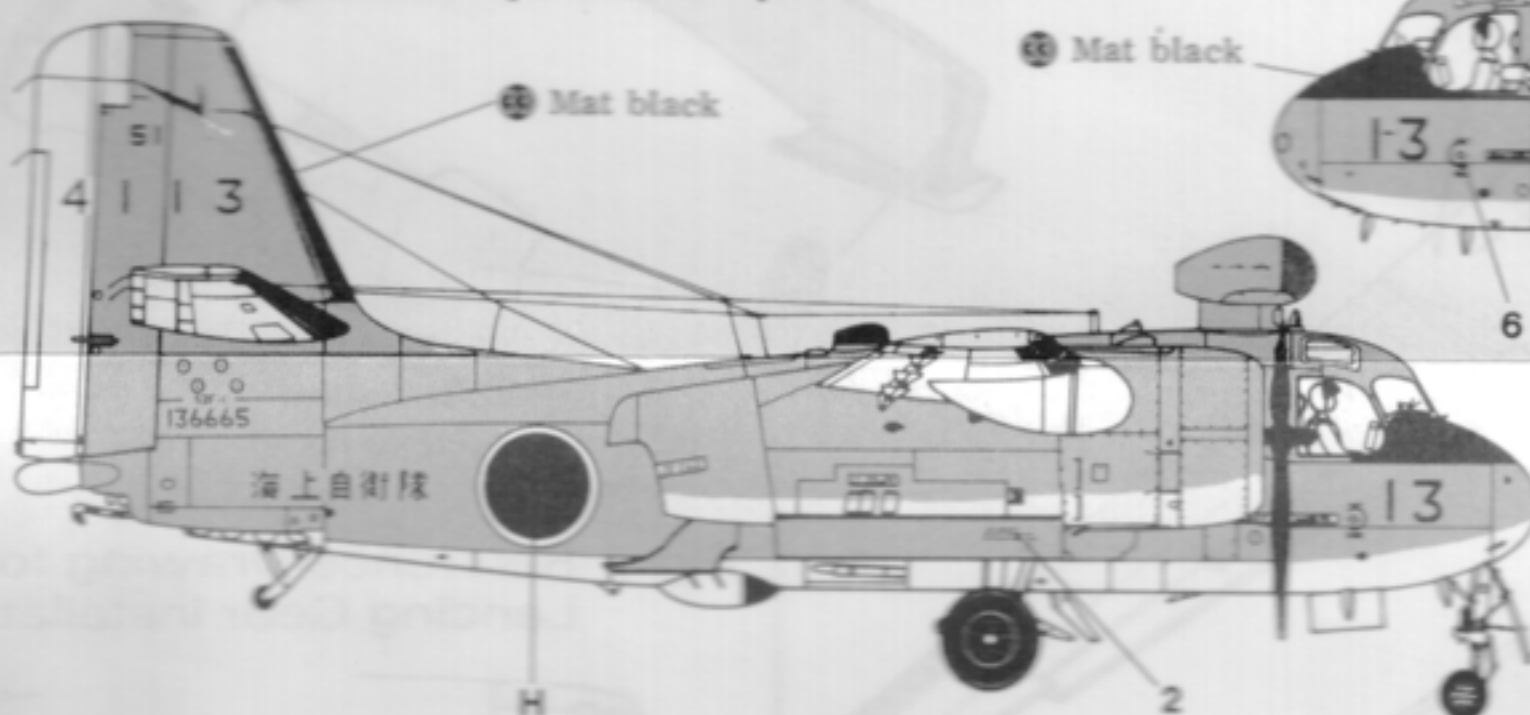
Armaments loaded are bombs, mines, torpedoes and rockets. Since it was designed as a carrier aircraft, the wing span and overall length are very short and the upper wings can be folded upward. Also it is provided with effective flaps, slots and spoilers on the main wing to land and take off in narrow area without difficulty. To secure safety in single-engined flight, a large rudder is provided. The radome under fuselage and the tail stinger can be accommodated within the fuselage when they are not in use. In Autumn of 1962, designation of the military aircrafts was changed as follows:

S2F-1---S-2A S2F-2P---RS-2C S2F-1S---S-2B
S2F-3---S-2D S2F-2---S-2C S2F-3S---S-2E

Overall width: 21.24 m / Overall length: 12.88 m / Wing area: 43.3 m² / Displacement: 9,779 - 11,700 kg (loaded) / Max. speed: 463 km/h / Engine: Two radial type engines, 1,525 HP, 9 cylinder, Wright R 1820-82 Cyclone / Crew: 4 / Ceiling: Up to 5,400 m / Cruising range: 1,480 km

Marking & Color Painting Guide

1 Japanese Maritime Self-Defence Force 4th Air-Group, 51st Squadron



① Red brown

③ Mat black

④ Mat black

White and black stripes

① Gull gray
(FS. 36440)

② White
(FS. 17875)

Decal
(Trim off the transparent frame.)

Cowling inside
③ Mat black

F (To right and left of top side)

Mat black

Propeller
② + Slight ①

Wing front edge
③ Mat black

G (To right and left of underside)

Landing gear strut: ① White
Wheel : ① White
Tire : ③ Mat black

2 U.S. Navy 21st Anti-Submarine Attack Squadron

(Apply decals similarly to the above 1.)

③ Red

① White
(FS. 17875)

Decal
(Trim off the
transparent frame.)

F (To right and
left of top side)

G (To right and left of underside)

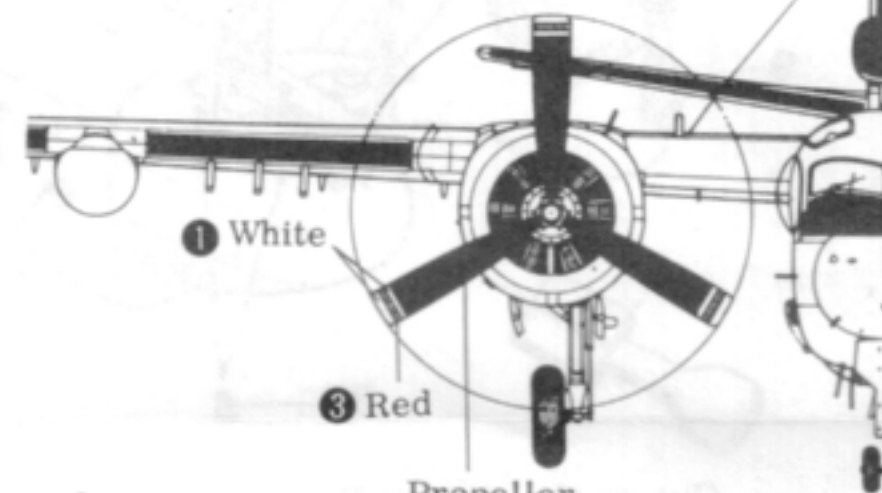
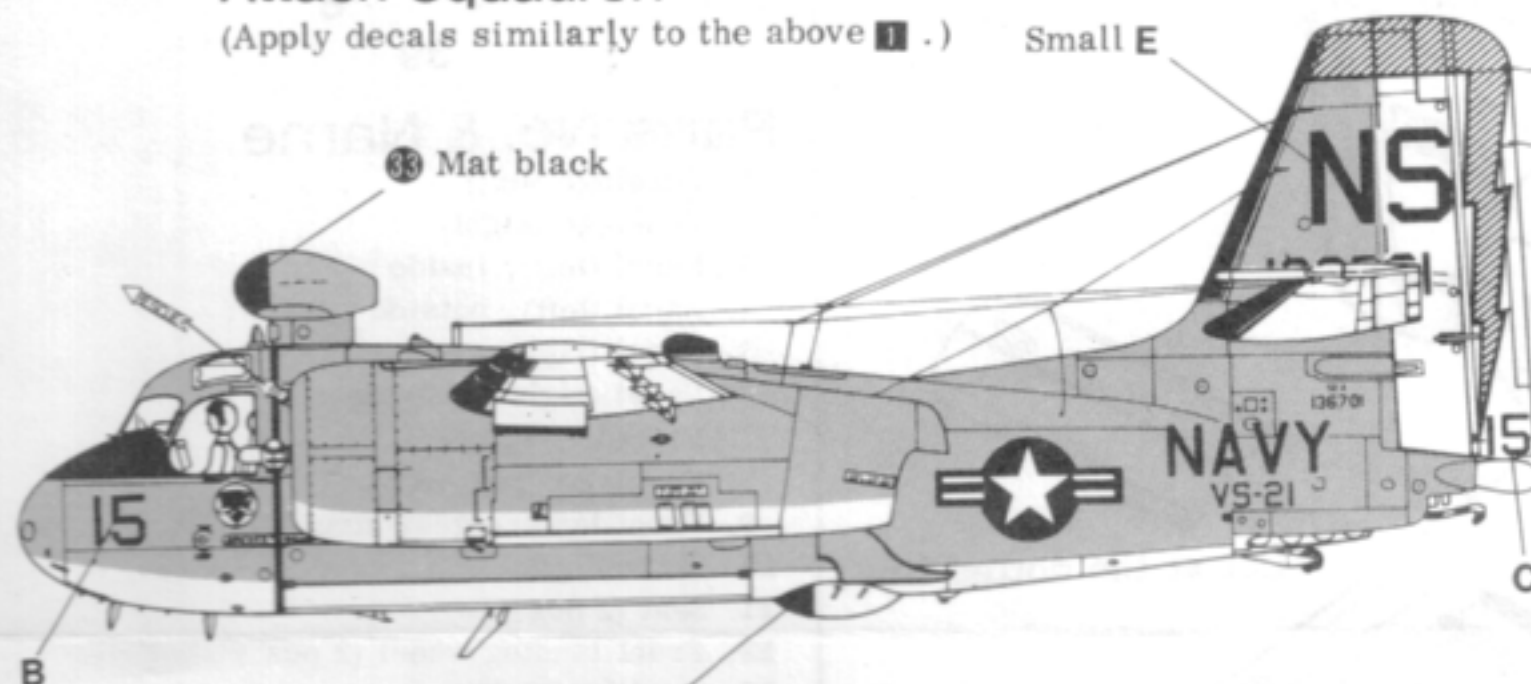
2 U.S. Navy 21st Anti-Submarine Attack Squadron

(Apply decals similarly to the above 1.)

Small E

③ Mat black

③ Red



Propeller

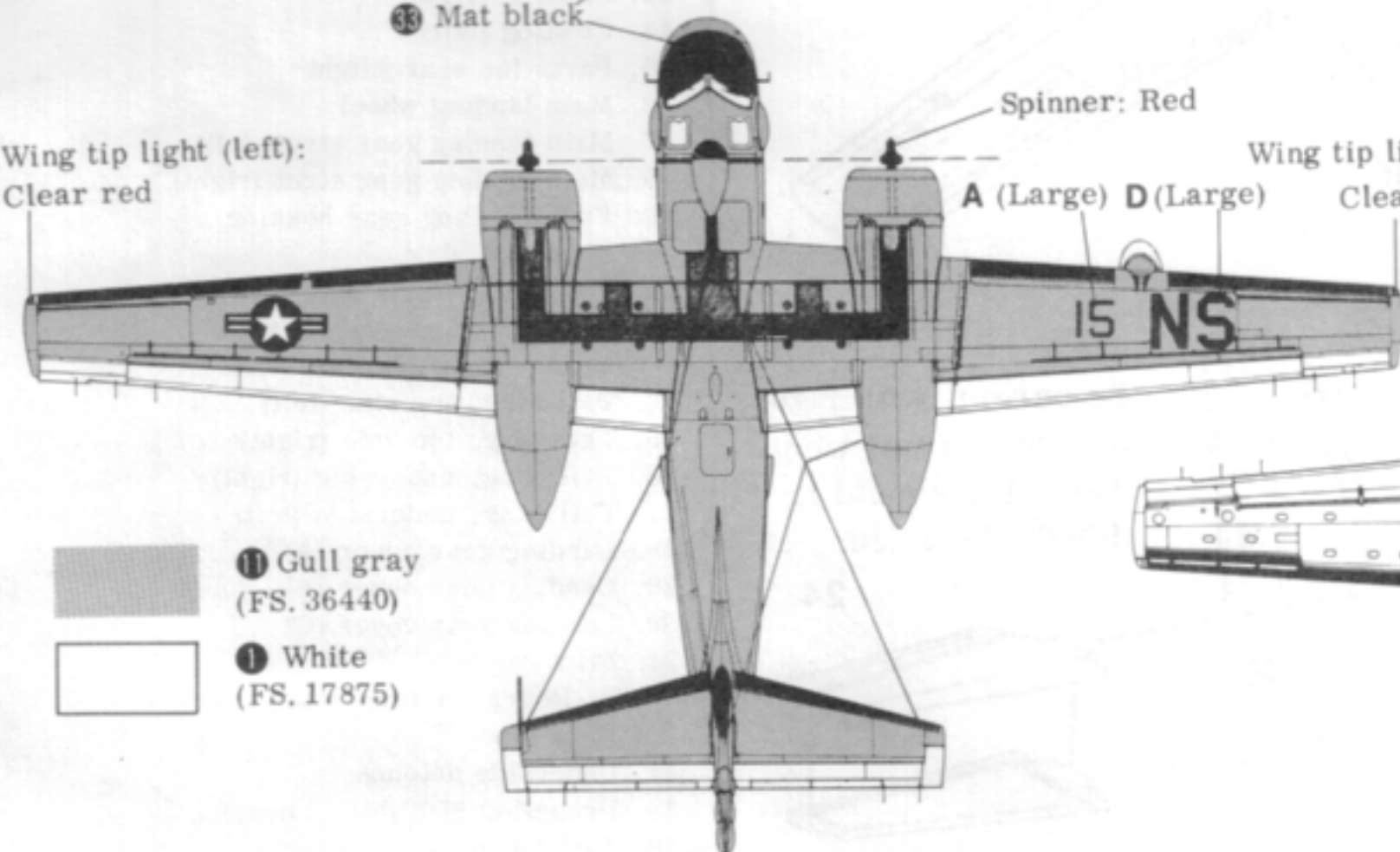
③ Mat black

Wing tip light (left):
Clear red

Spinner: Red

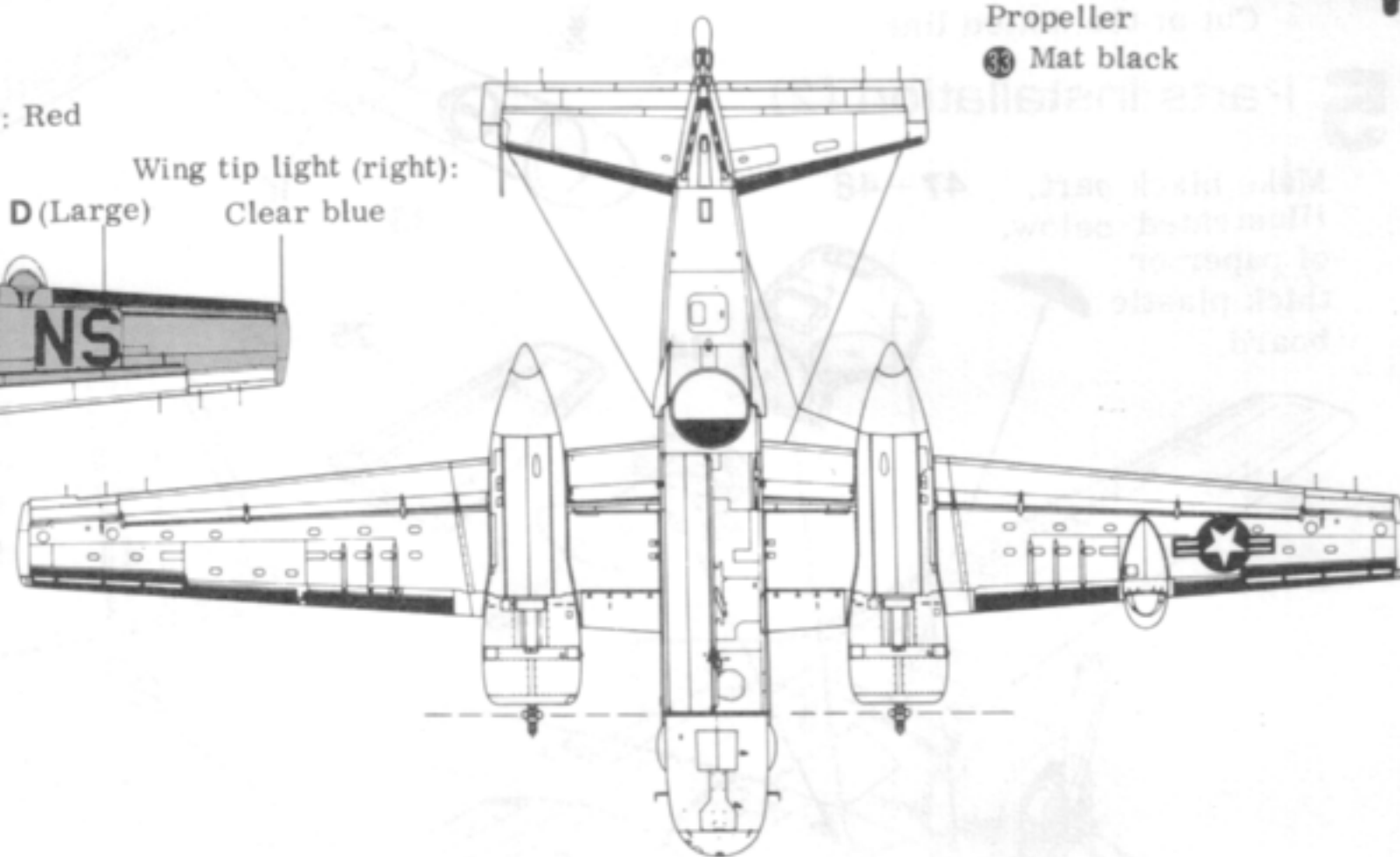
Wing tip light (right):
Clear blue

A (Large) D (Large)



① Gull gray
(FS. 36440)

① White
(FS. 17875)



HOW TO PAINT

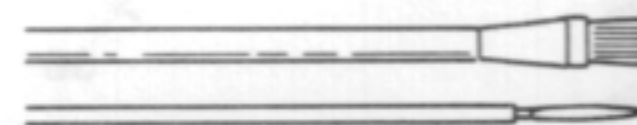
"Tracker" both of Japanese Maritime Defence Force and of U. S. Navy is painted in gull-gray on the upper surface and in white on the lower surface and rudder. For the purpose of anti-reflection, the front nose is painted in mat black and also the rubbered anti-icing boots is in mat black. The landing gear housing, the inside of the landing gear door, the front landing gear strut, the main landing gear strut, the interior of the powder magazine, and the wheels are all in white.

HOW TO APPLY DECALS

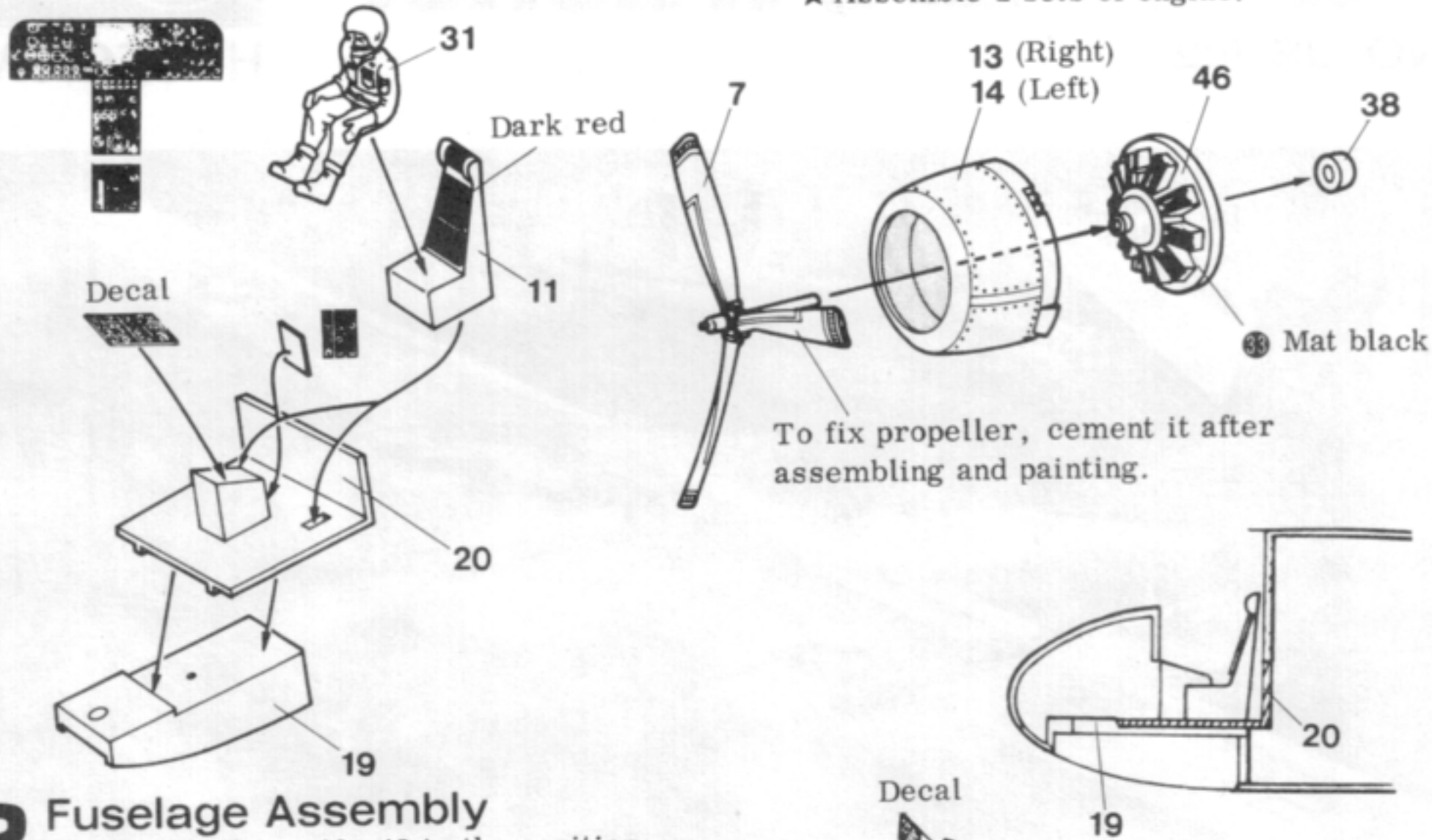
1. Cut out the decals and remove the film covering.
2. Put them in water for 20 seconds.
3. Slide off the decals from the paper and place them on each proper position.
4. Press the transferred decals with a soft cloth to remove the moisture.

MODEL COLORS

To make your model more attractive, paint each part. The model colors are numbered from ① - ⑥2. Use a wide brush to paint the wide area and a pointed one for tiny parts.

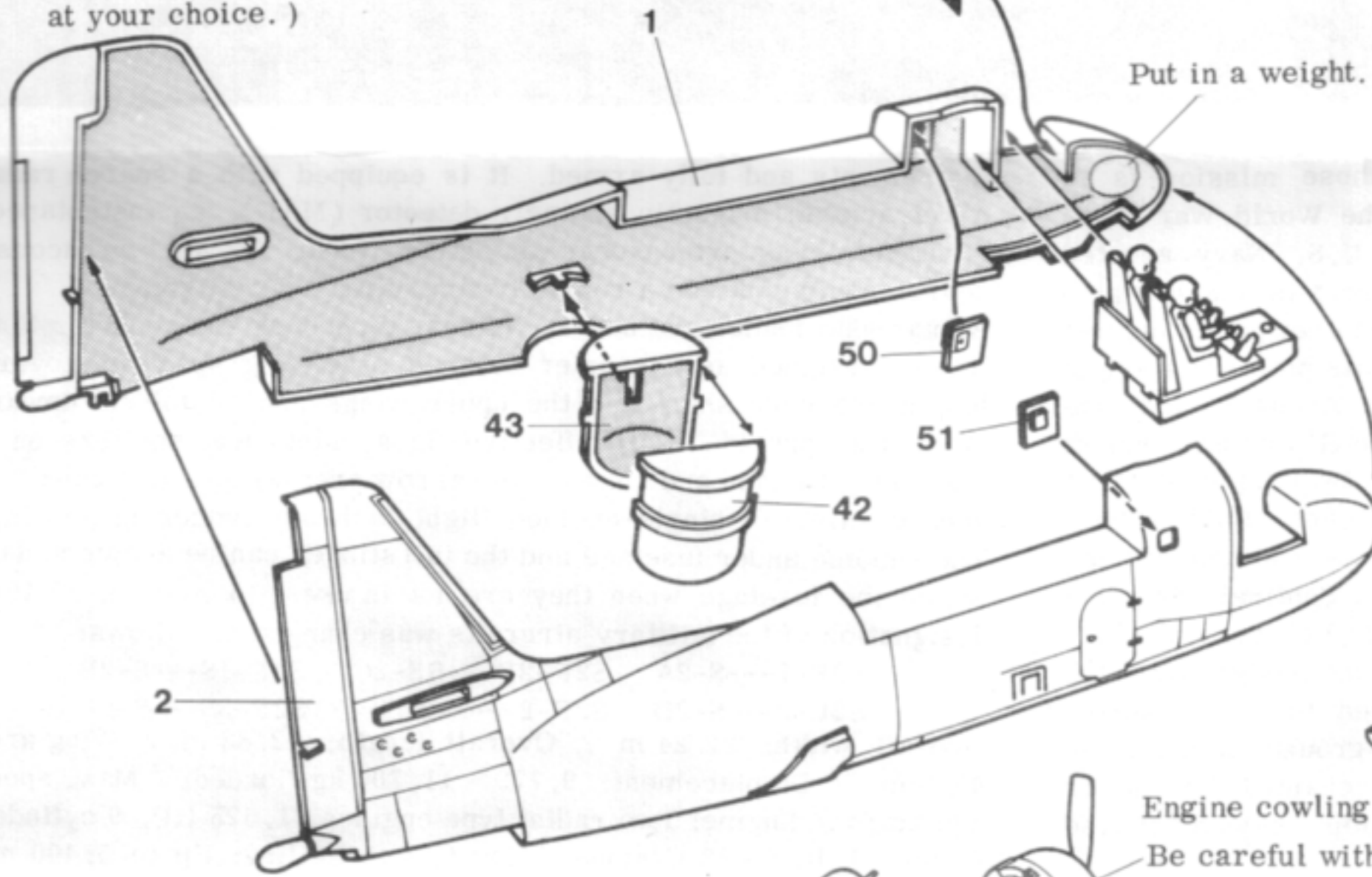


1 Cockpit & Engine Assembly



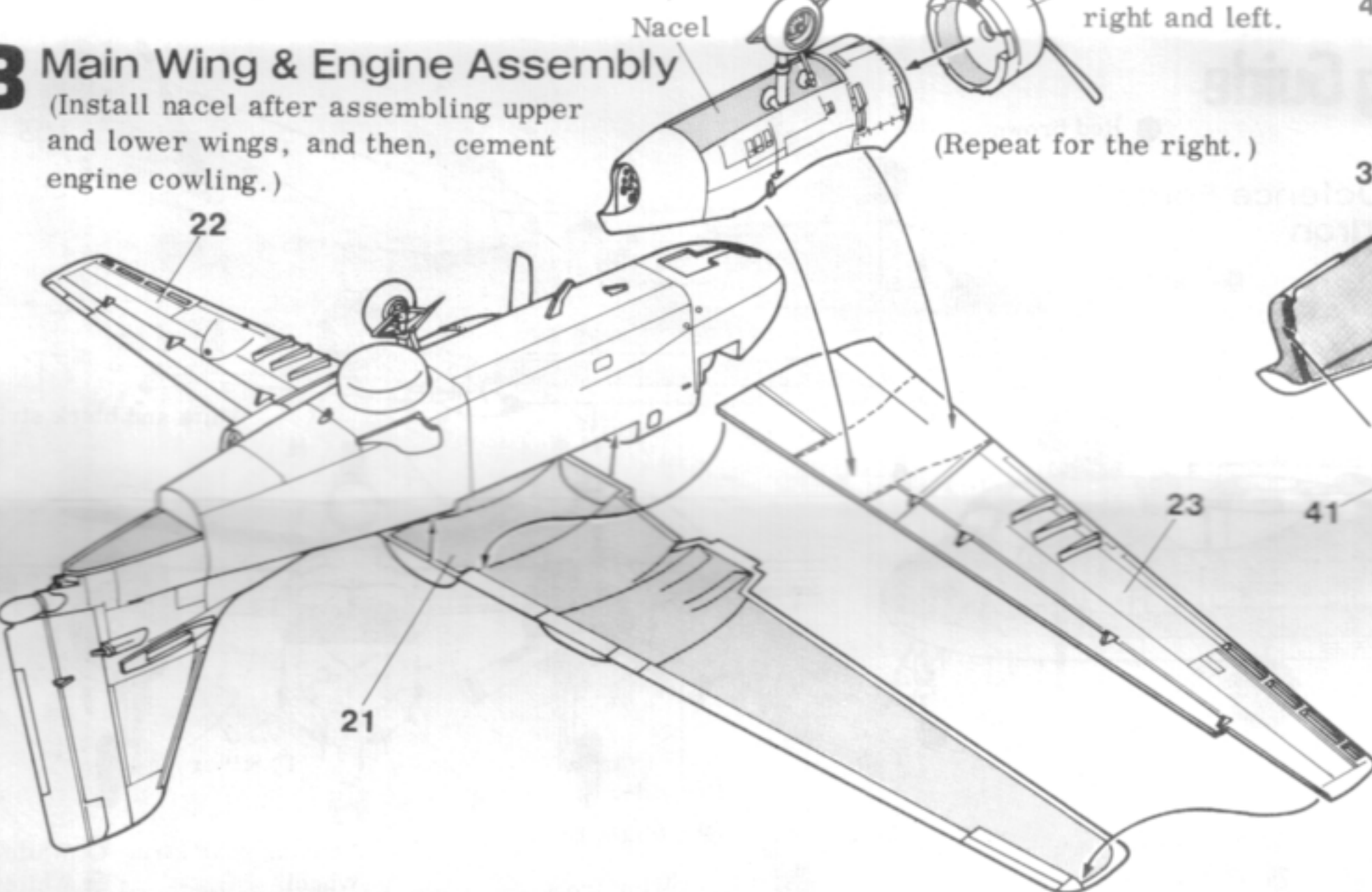
2 Fuselage Assembly

(Cement radome 42, 43 to the position at your choice.)



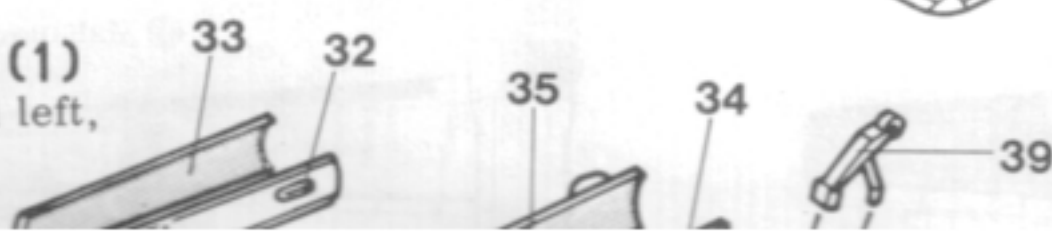
3 Main Wing & Engine Assembly

(Install nacel after assembling upper and lower wings, and then, cement engine cowling.)



4 Parts Installation (1)

Be careful with right and left, front and back on parts 32 - 35



Before Assembling

- * First read all the instructions and follow them when assembling.
- * Cut off the parts from the stem with a nipper or a cutter.

MODEL COLORS

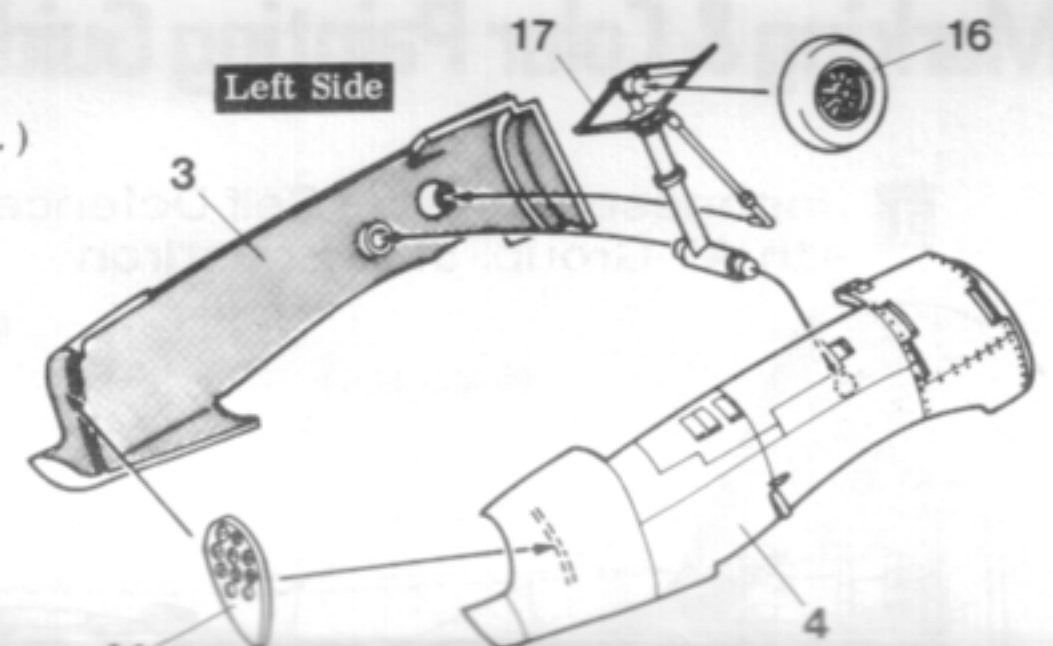
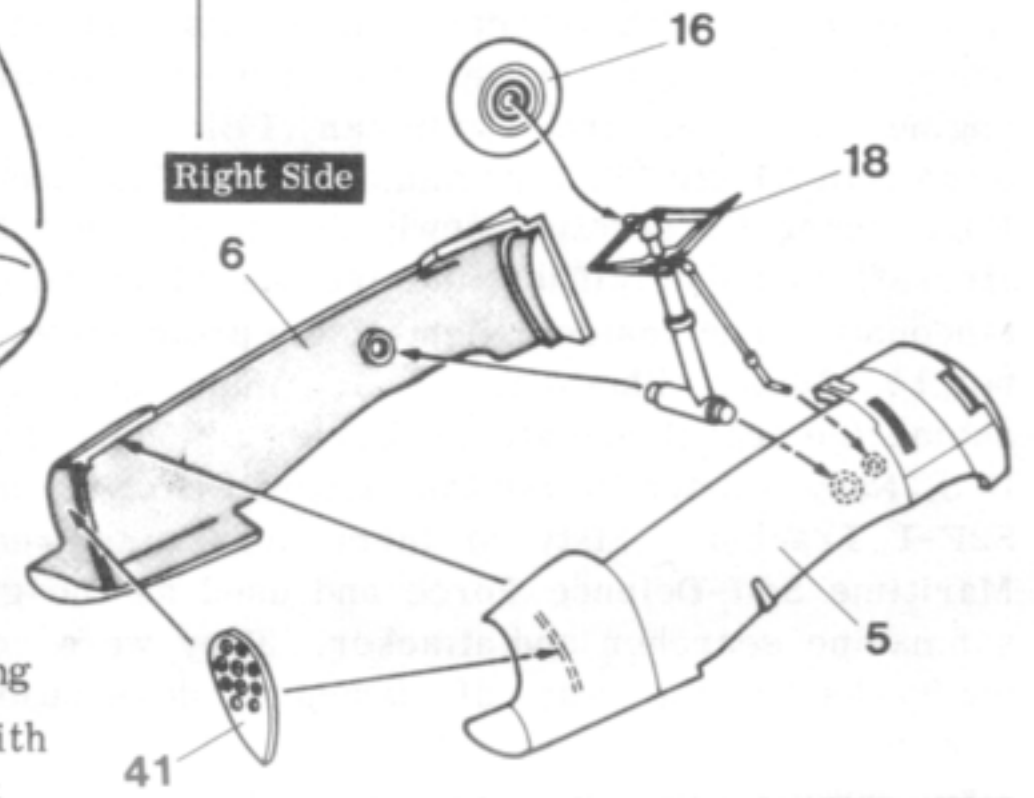
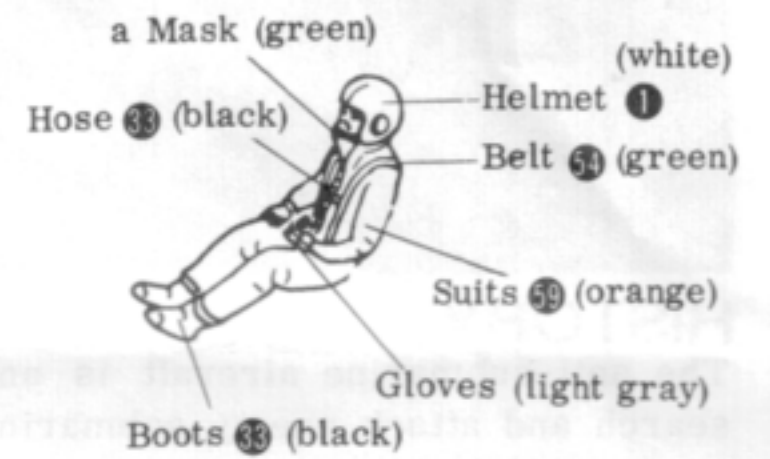
To make your model more attractive, be sure to paint after assembling.

NOTE

After the parts are taken out, cut the bag in pieces to prevent infants from covering their heads.

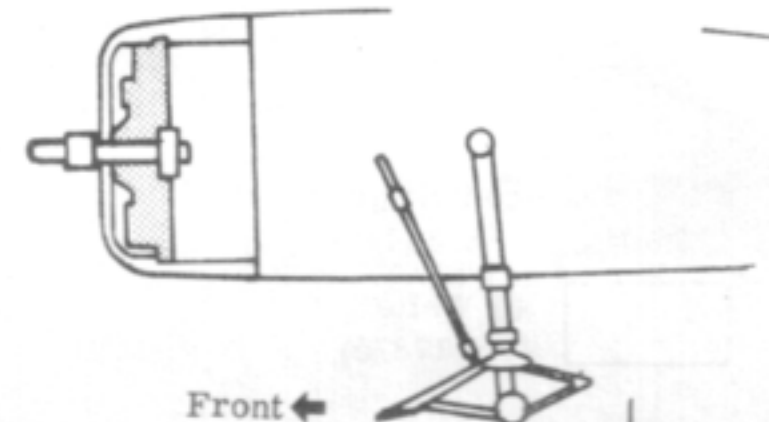
Fig. 1 Pilot Painting

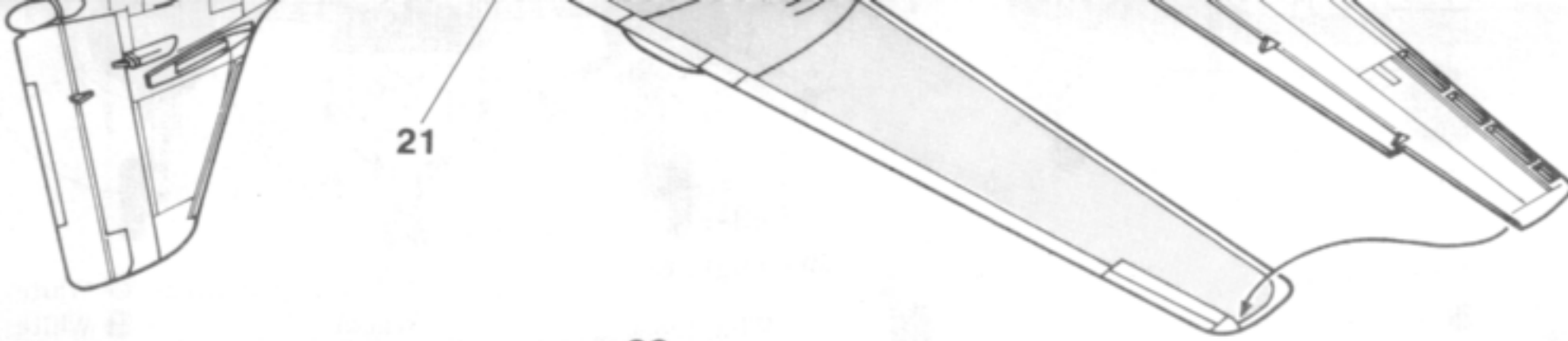
Cement pilot to seat after painting. Use light gray and dark gray properly.



For 17, 18 installation, follow the drawing and do not make a mistake.

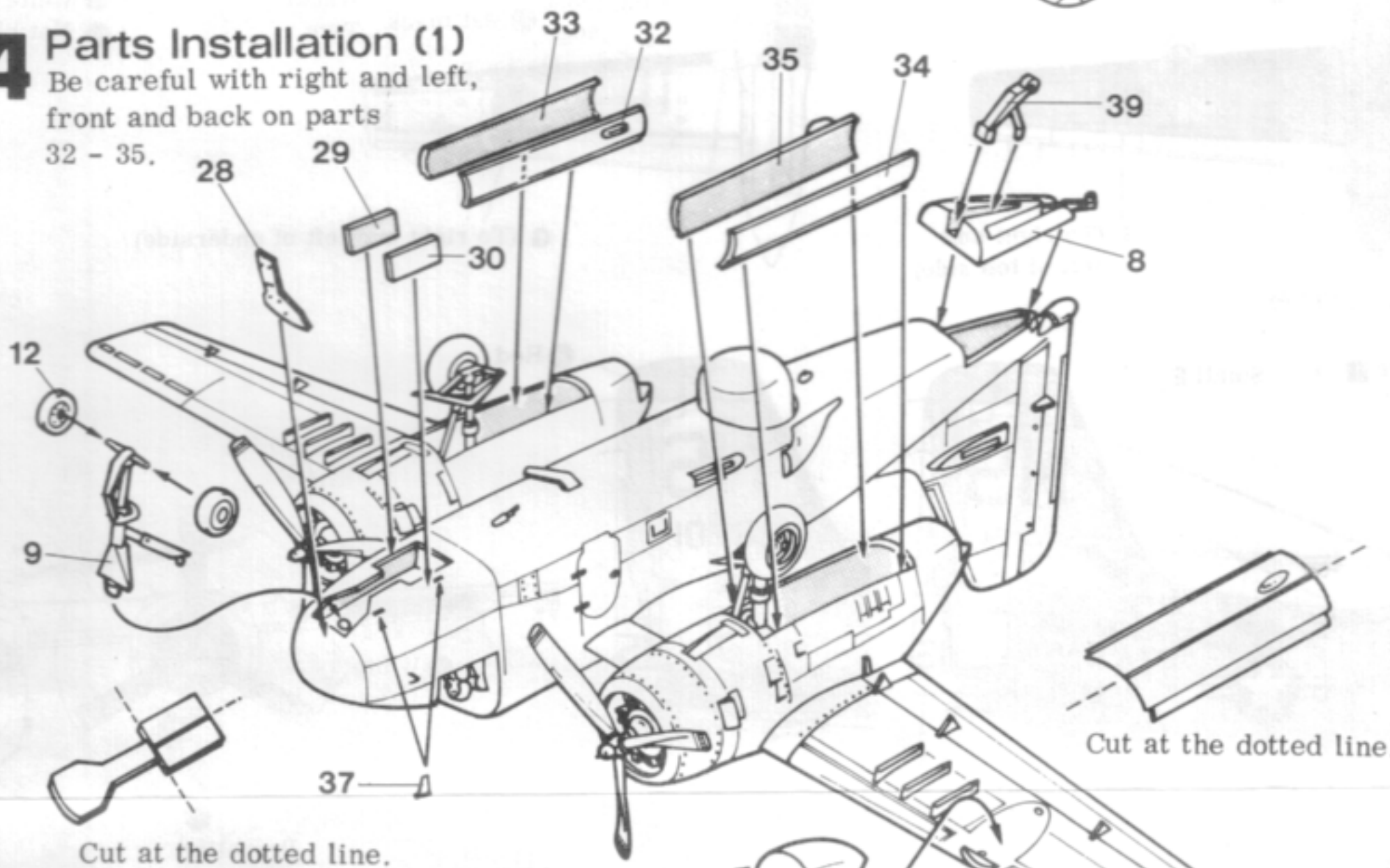
Fig. 2 Reference Drawing for Landing Gear Installation





4 Parts Installation (1)

Be careful with right and left, front and back on parts 32 - 35.



5 Parts Installation (2)

Make black part, illustrated below, of paper or thick plastic board.

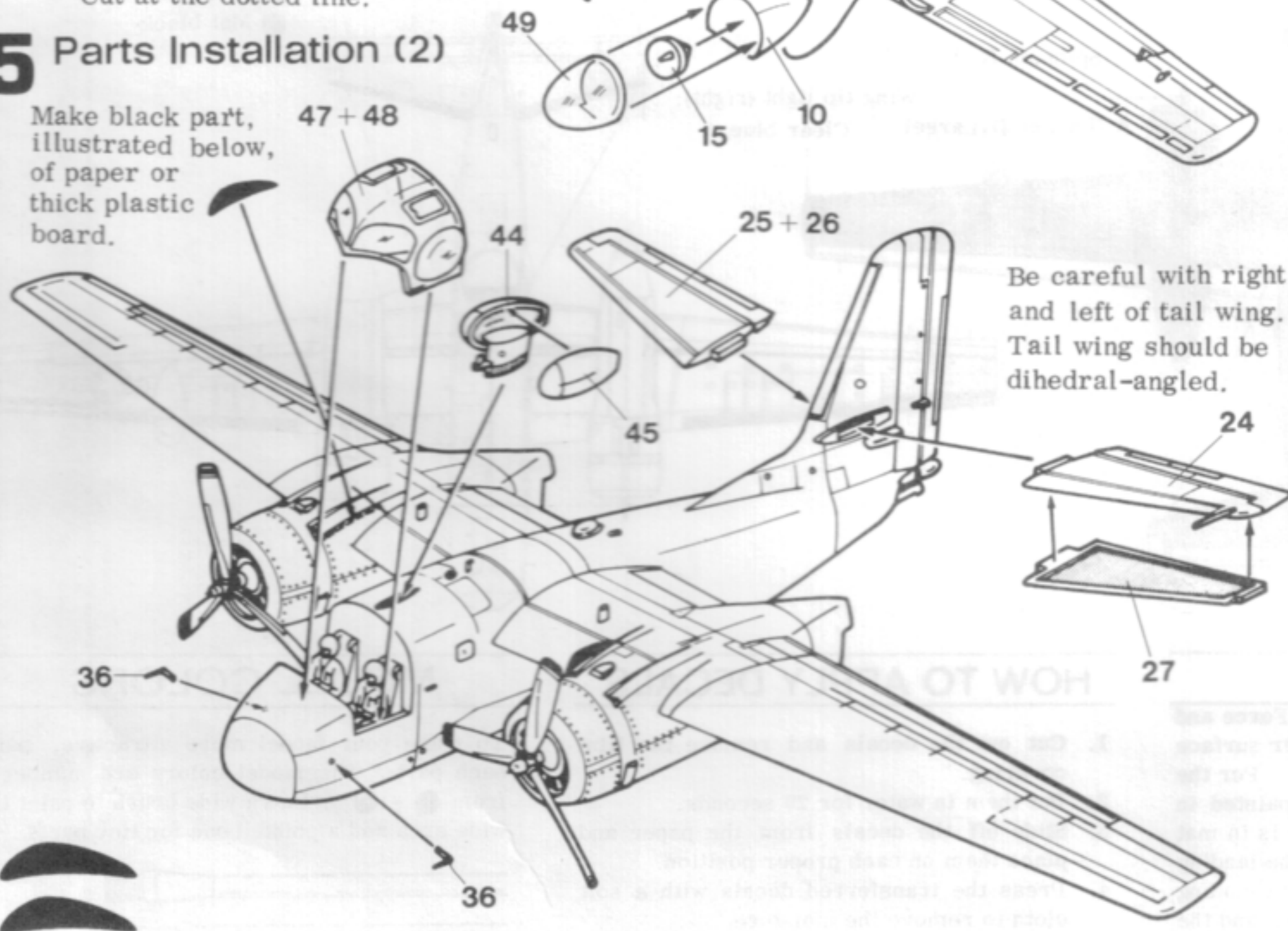
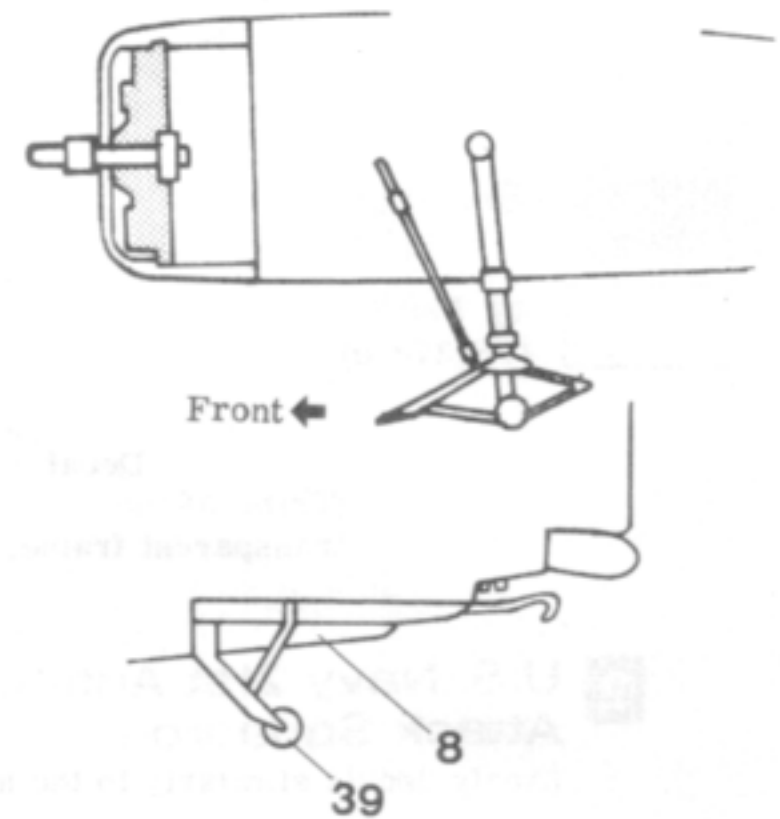


Fig. 2 Reference Drawing for Landing Gear Installation



Parts No. & Name

1. Fuselage (left)
2. Fuselage (right)
3. Nacel (left), inside
4. Nacel (left), outside
5. Nacel (right), inside
6. Nacel (right), outside
7. Propeller (2 pcs.)
8. Fuselage, tail section
9. Front landing gear strut
10. Searchlight
11. Seat (2 pcs.)
12. Front landing wheel (2 pcs.)
13. Cowling (right)
14. Cowling (left)
15. Parts for searchlight
16. Main landing wheel
17. Main landing gear strut (left)
18. Main landing gear strut (right)
19. Front landing gear housing
20. Floor boards
21. Main wing, top side
22. Main wing, underside (right)
23. Main wing, underside (left)
24. Tail wing, top side (left)
25. Tail wing, top side (right)
26. Tail wing, underside (right)
27. Tail wing, underside (left)
28. Landing gear cover (A)
29. Landing gear cover (B)
30. Landing gear cover (C)
31. Pilot
- 32-35. Doors for main landing gear
36. Pitot tube
37. Underside antenna
38. Propeller stopper (2 pcs.)
39. Tail wheel
- 40-41. Nacel parts
42. Radome (right)
43. Radome (left)
44. Upper radome (right)
45. Upper radome (left)
46. Engine (2 pcs.)

Transparent Parts

47. Canopy
48. Canopy
49. Searchlight cover
- 50-51. Fuselage windows