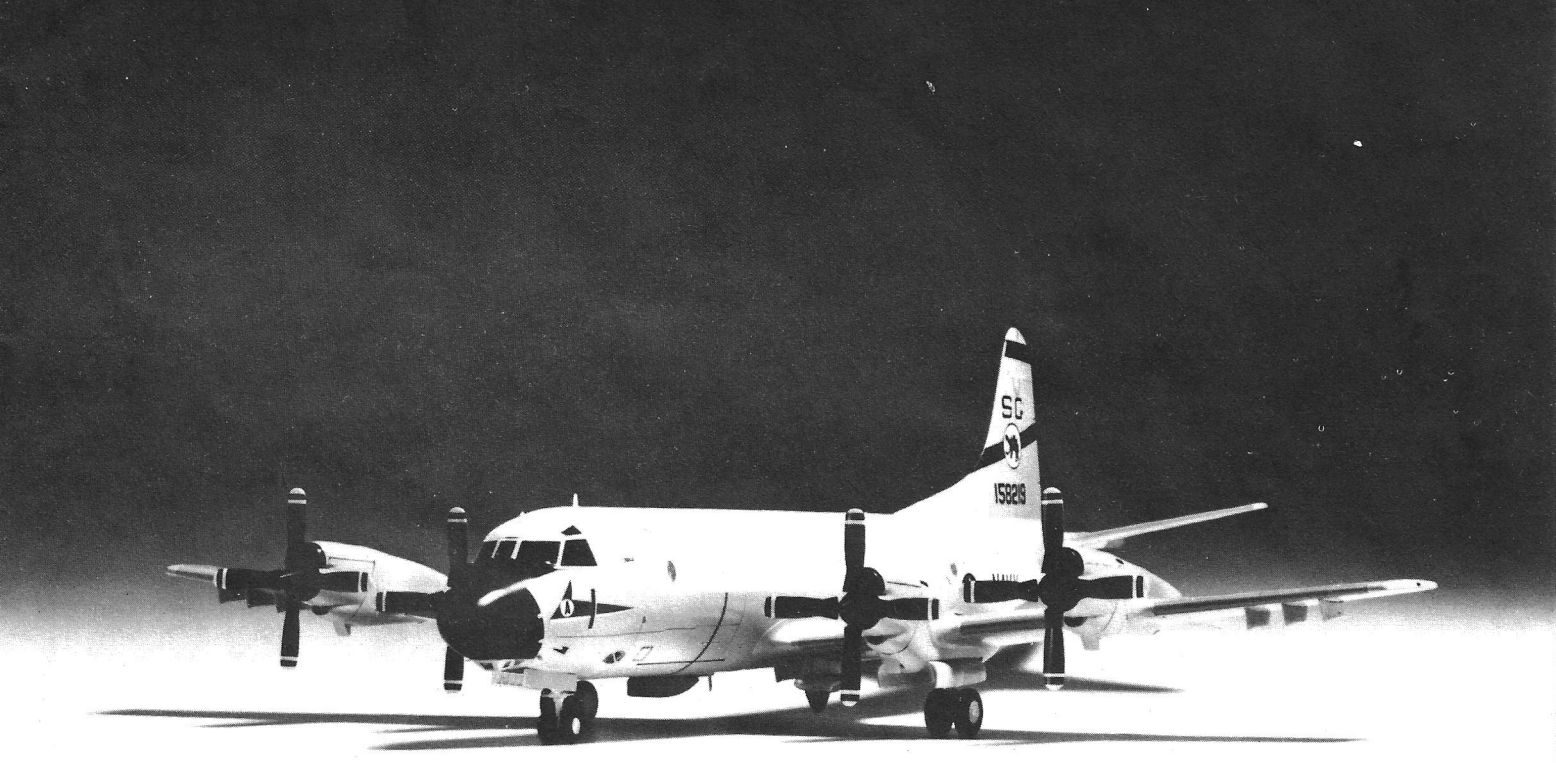
LOCKHEED P-3C ORION

Kit No. JS 147

HALES

Hasegawa

1/72 Scale Series



HISTORY

Beginning life as a modified Electra transport, the Lockheed P–3 Orion has become a significant naval weapon since it was first introduced to the service in August, 1962. Basically, the Electra's fuselage was shortened in the nose and a MAD boom added to the tail, increasing the overall length by some 6 feet. A large weapons bay was installed just forward of the wings for hauling depth charges and torpedoes.

The roomy airliner fuselage houses the electronics technicians with their consoles and also contains a sonobuoy bay for discharging those electronic sensors. The P–3C is the third major version of the Orion to serve the U.S. Navy, and by far the most advanced of the series. In this version the weapons are operated by digital computer.

The power for the P–3C Orion is obtained from a quartet of Allison turboprop engines whose efficiency is responsible for a cruising range of 4,800 miles. To conserve fuel on search missions, two of the engines are usually shut down, thus providing an immense reserve of power when needed. One P–3C set a speed record for propeller–driven aircraft by reaching a speed of 500.89 mph, quite remarkable for a plane of such proportions.

The Orion is used in several foreign services, such as Australia, New Zealand, Spain, Iran and Norway. Canada has ordered a version of the Orion that is sufficiently advanced to warrant a new name and designation; the CP–140 Aurora. The Aurora differs from the Orion in the use of the more refined S–3A Viking ASW systems. Because the increased electronics gear on the Aurora generates more heat, a large cooling intake has been added to the left side of each inboard engine cowling. Also, the fairing beneath the nose radome has been eliminated.

Decal markings are provided for the CP–140 Aurora as well as for Patrol Squadron 19, of the U.S. Navy. VP–19 is based at Moffett Field, California. They began flying P–3C Orions in May 1975. VP–19 bears the nickname "Big Red" as a result of the red–tinted flares they used to illuminate night targets when the squadron was on patrol during the Korean War. At that time they flew the PB4Y–2 Privateer bombers.

CHARACTERISTICS

Dimensions: Wingspan – 99 feet 8 inches
Length – 116 feet 10 inches

Powerplant: Four Allison T56–14 turboprop engines with 4,910 equivalent shaft hp each.

Performance: Maximum speed – 473 mph.
Service ceiling – 28,300 feet.
Range – 4,800 miles.

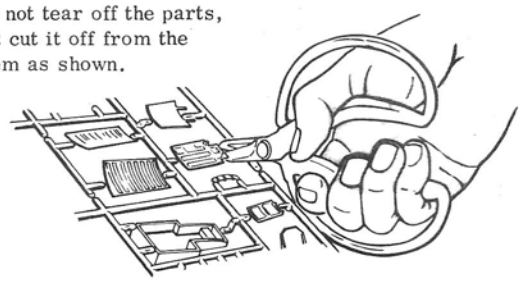
Armament: 20,000 pounds of mixed ordnance, including combinations of depth bombs, Mk 44 torpedoes, conobuoys, rockets and missiles.

Manufactured in Japan & Packed in England by A. A. Hales Ltd., Hinckley, Leics.

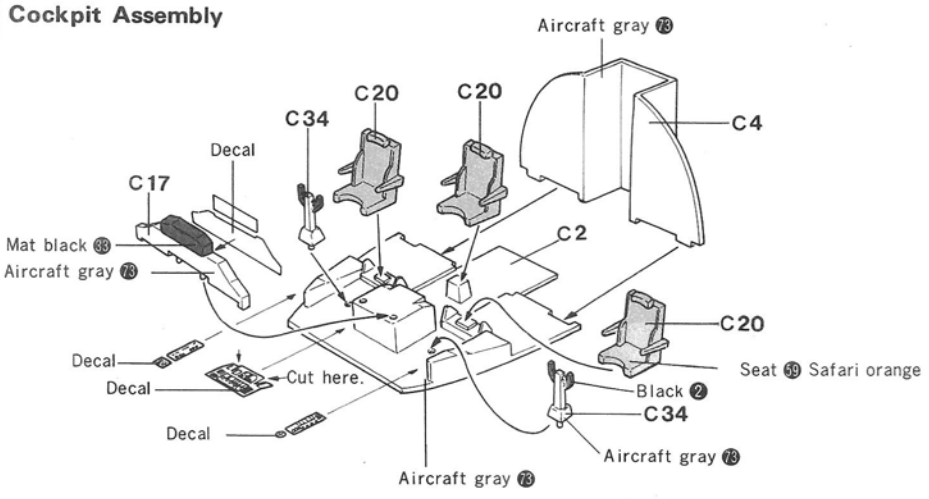
BEFORE ASSEMBLING

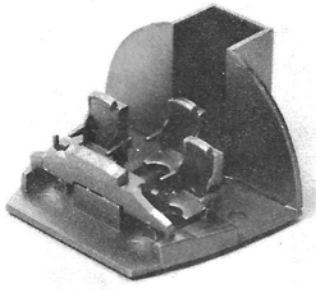
- Carefully read the instructions before assembling your model and follow them.
- Carefully cut off the parts from the stem with a knife or clipper.
- Do not apply too much adhesive to the parts.

Do not tear off the parts, but cut it off from the stem as shown.

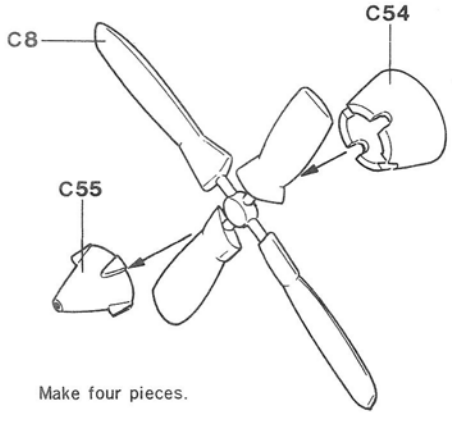


1 Cockpit Assembly



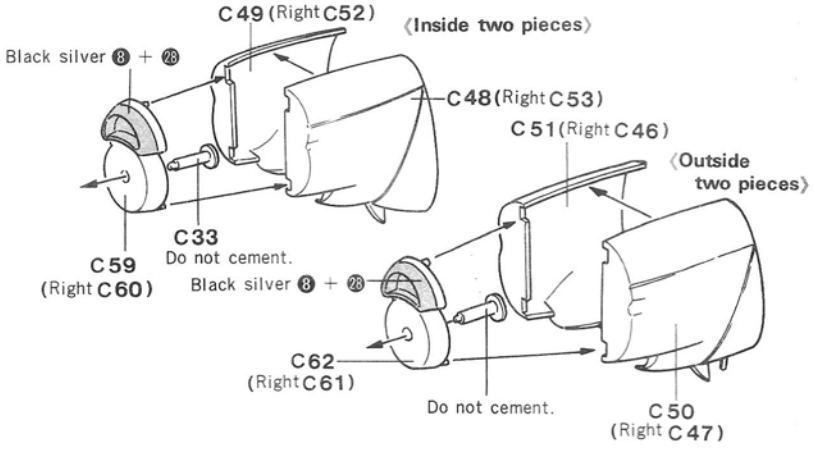


〈Propeller assembly〉



Make four pieces.

〈Engine nacelle assembly〉

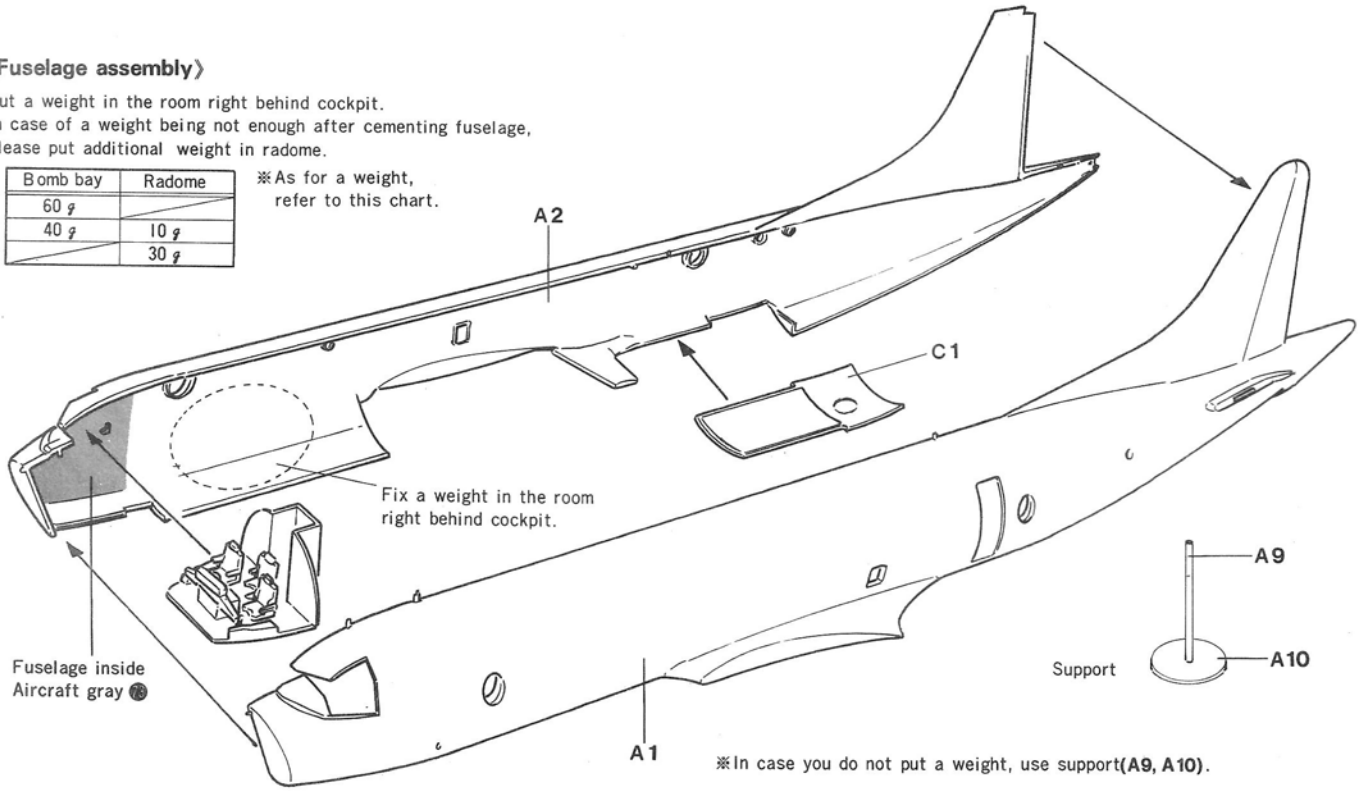


〈Fuselage assembly〉

Put a weight in the room right behind cockpit.
In case of a weight being not enough after cementing fuselage, please put additional weight in radome.

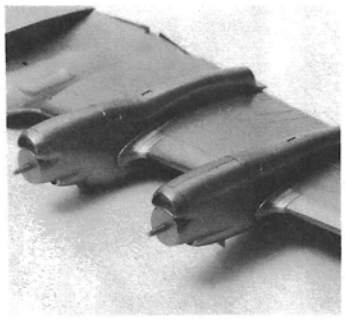
Bomb bay	Radome
60 g	
40 g	10 g
	30 g

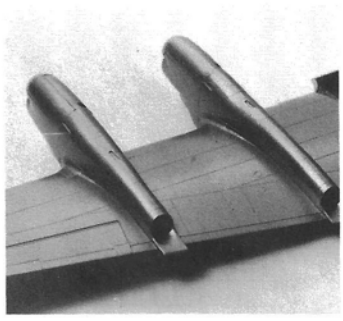
※As for a weight, refer to this chart.



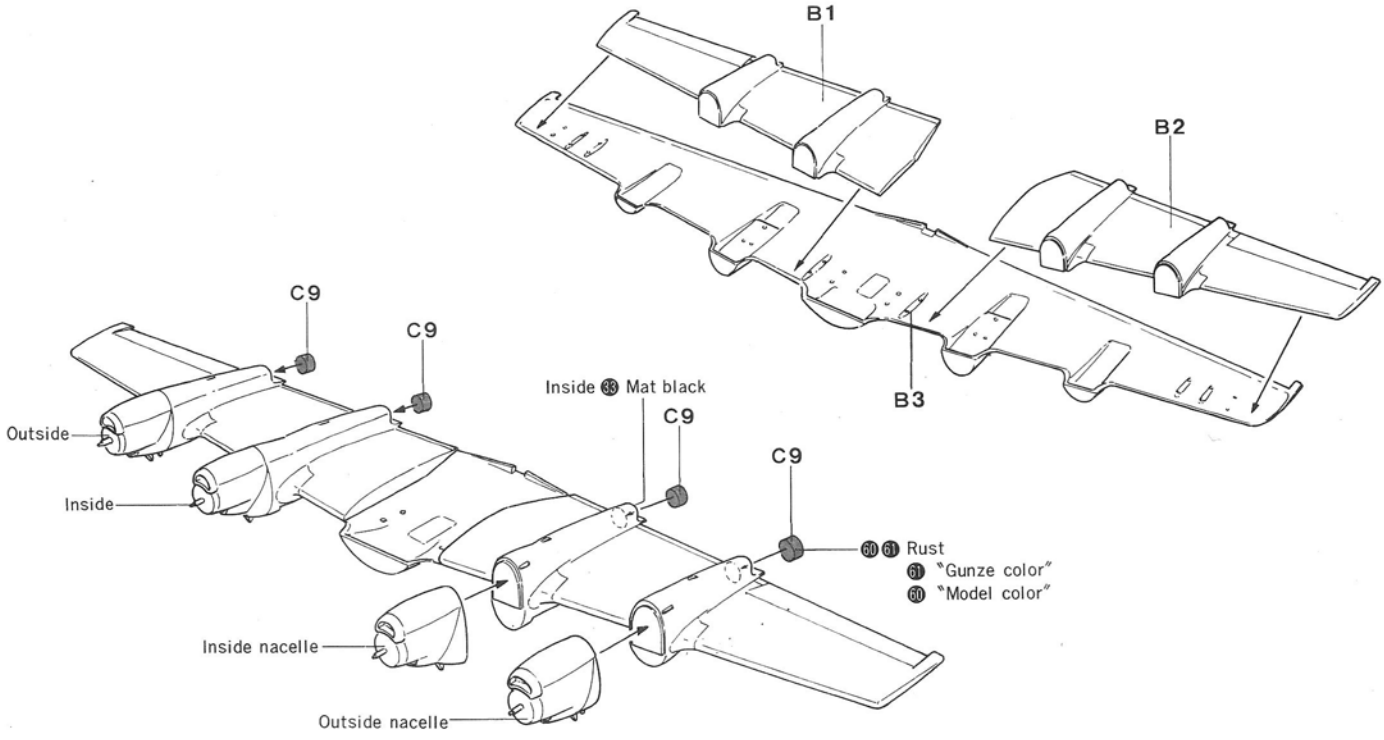
※In case you do not put a weight, use support(A9, A10).

2 Airframe Assembly



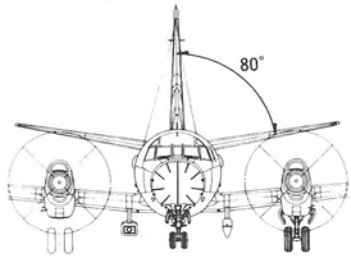


〈Main Wing Assembly〉



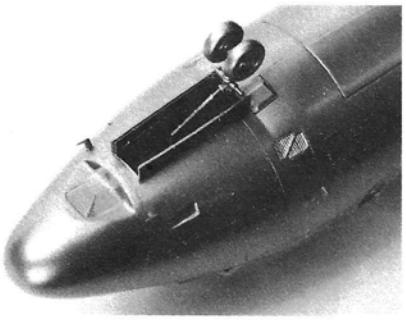
〈Main Wing Installation〉

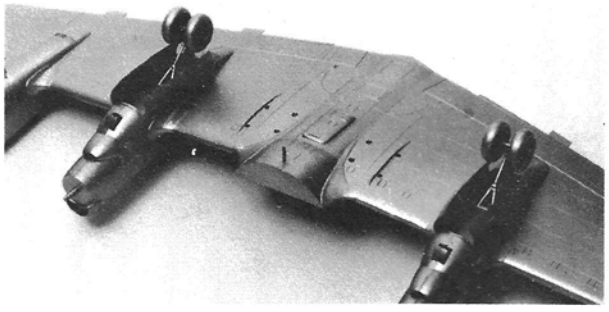
Dihedral angle of horizontal tail is 10°



MAD boom assembly

3 Landing Gear Assembly

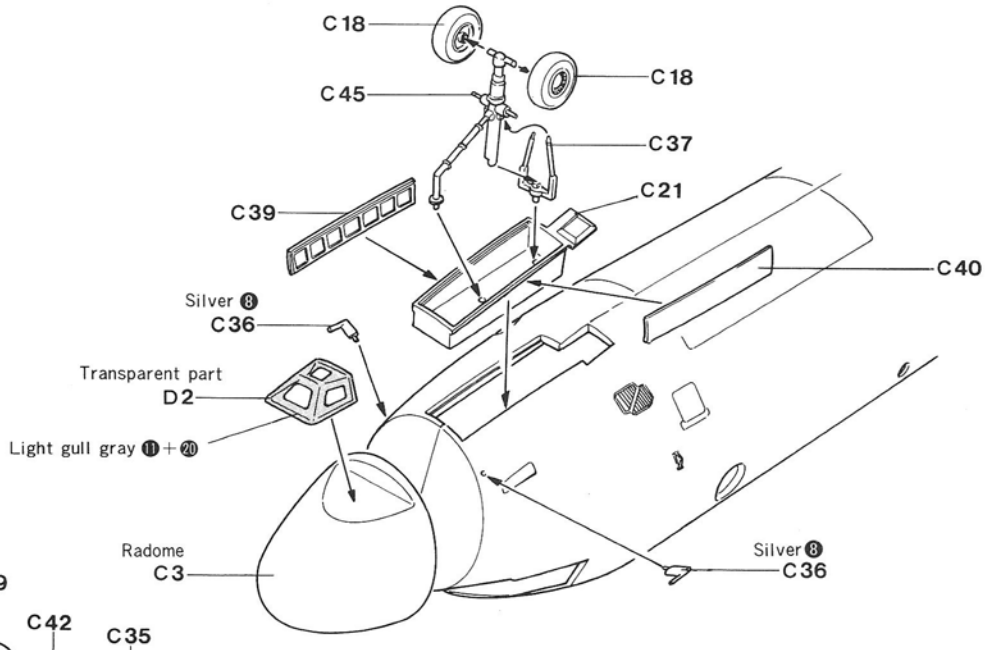




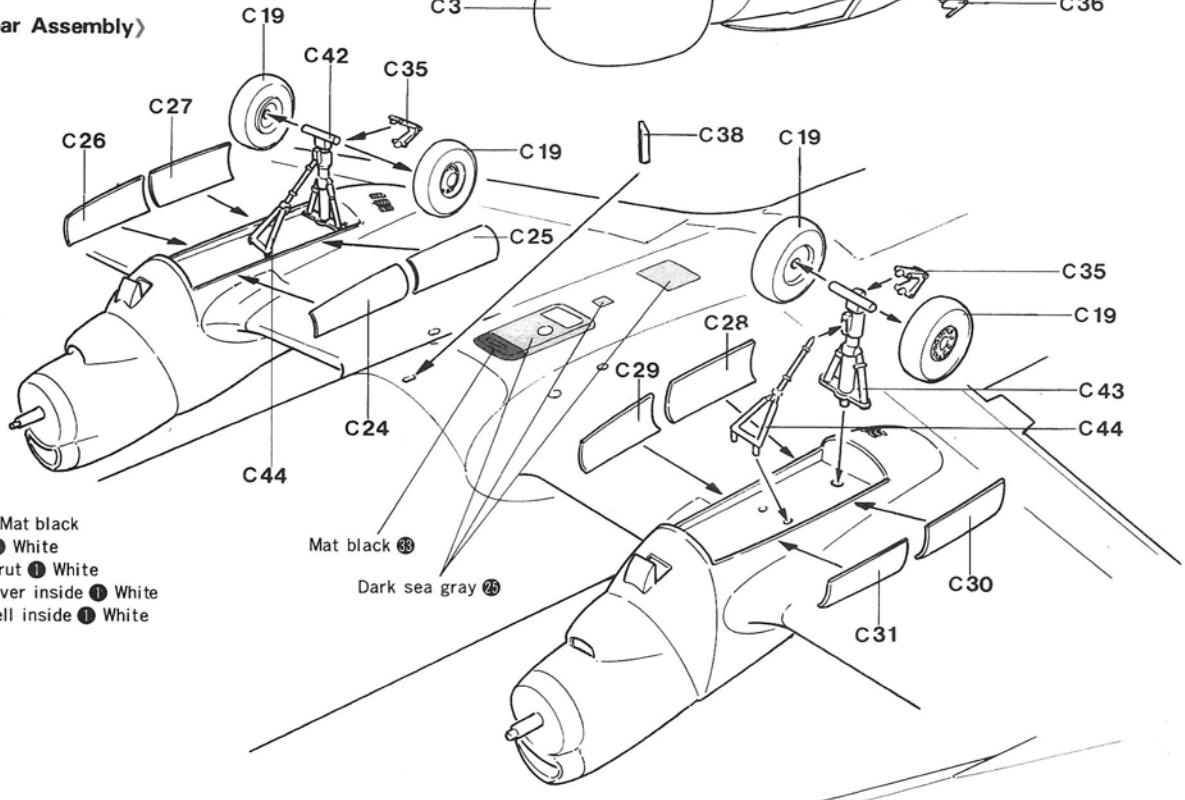
〈Nose Gear Assembly〉

Tire ㉝ Mat black
Wheel ❶ White
Gear strut ❶ White
Gear cover inside ❶ White
Gear well inside ❶ White

※In case of a weight being not enough, put more in radome.

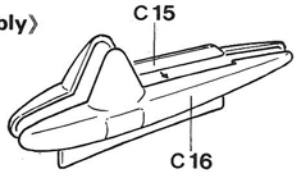


〈Main Gear Assembly〉

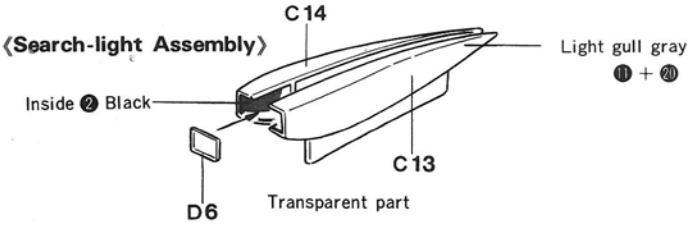


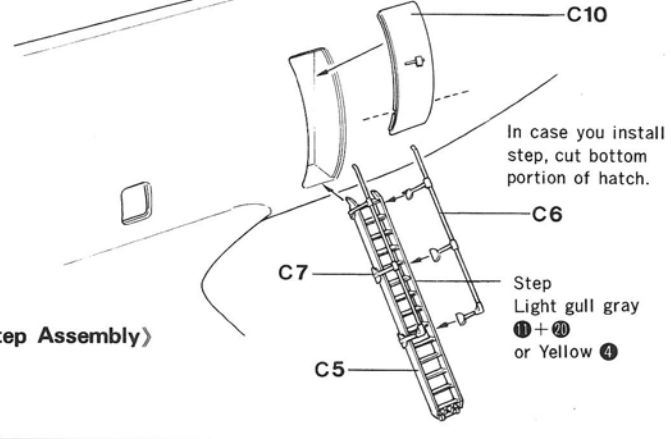
Tire ㉝ Mat black
Wheel ❶ White
Gear strut ❶ White
Gear cover inside ❶ White
Gear well inside ❶ White

〈ECM Pod Assembly〉



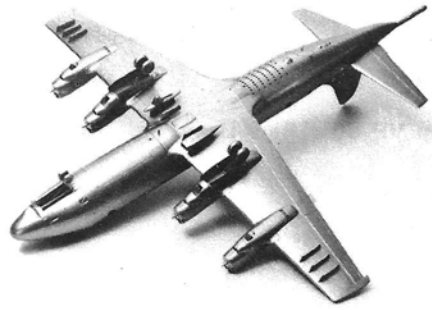
〈Search-light Assembly〉



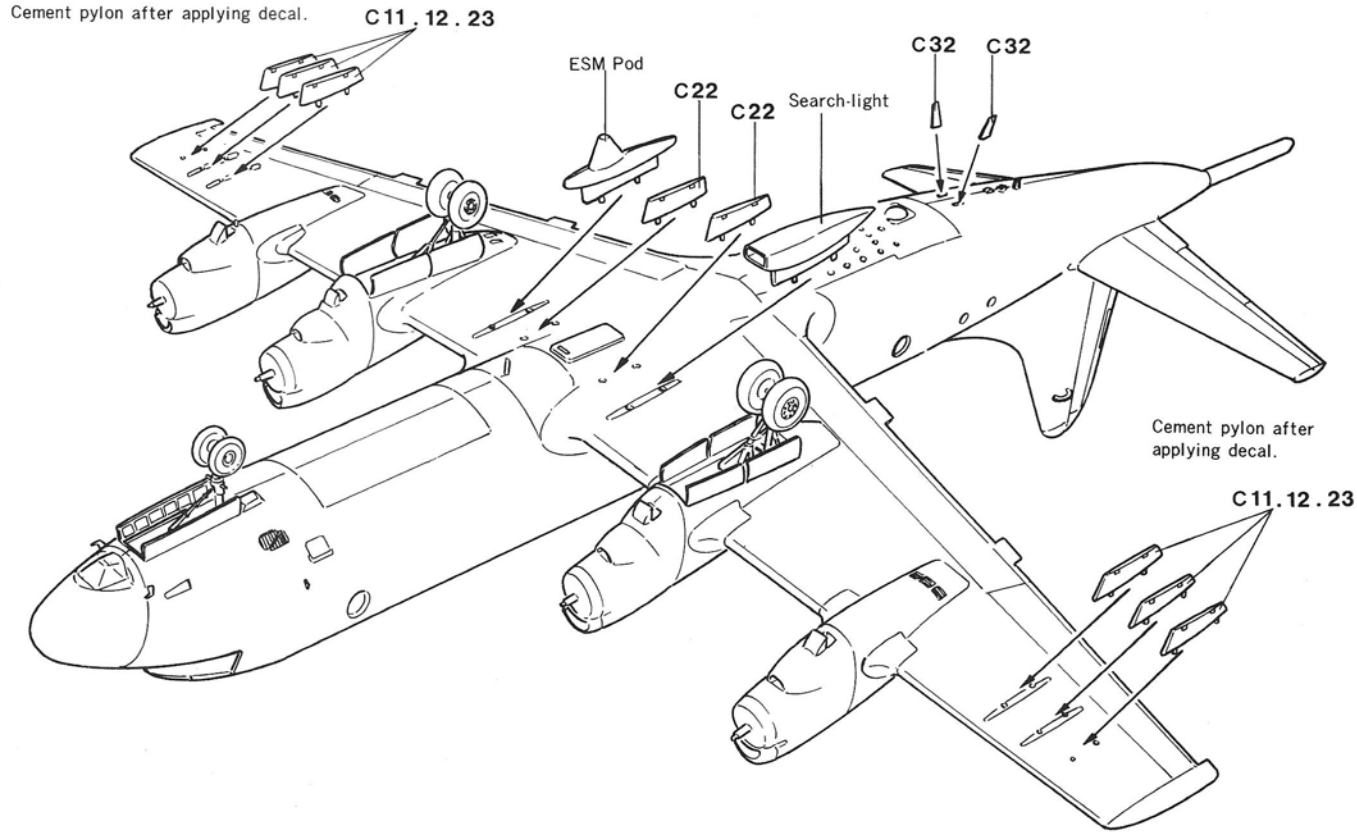


〈Step Assembly〉

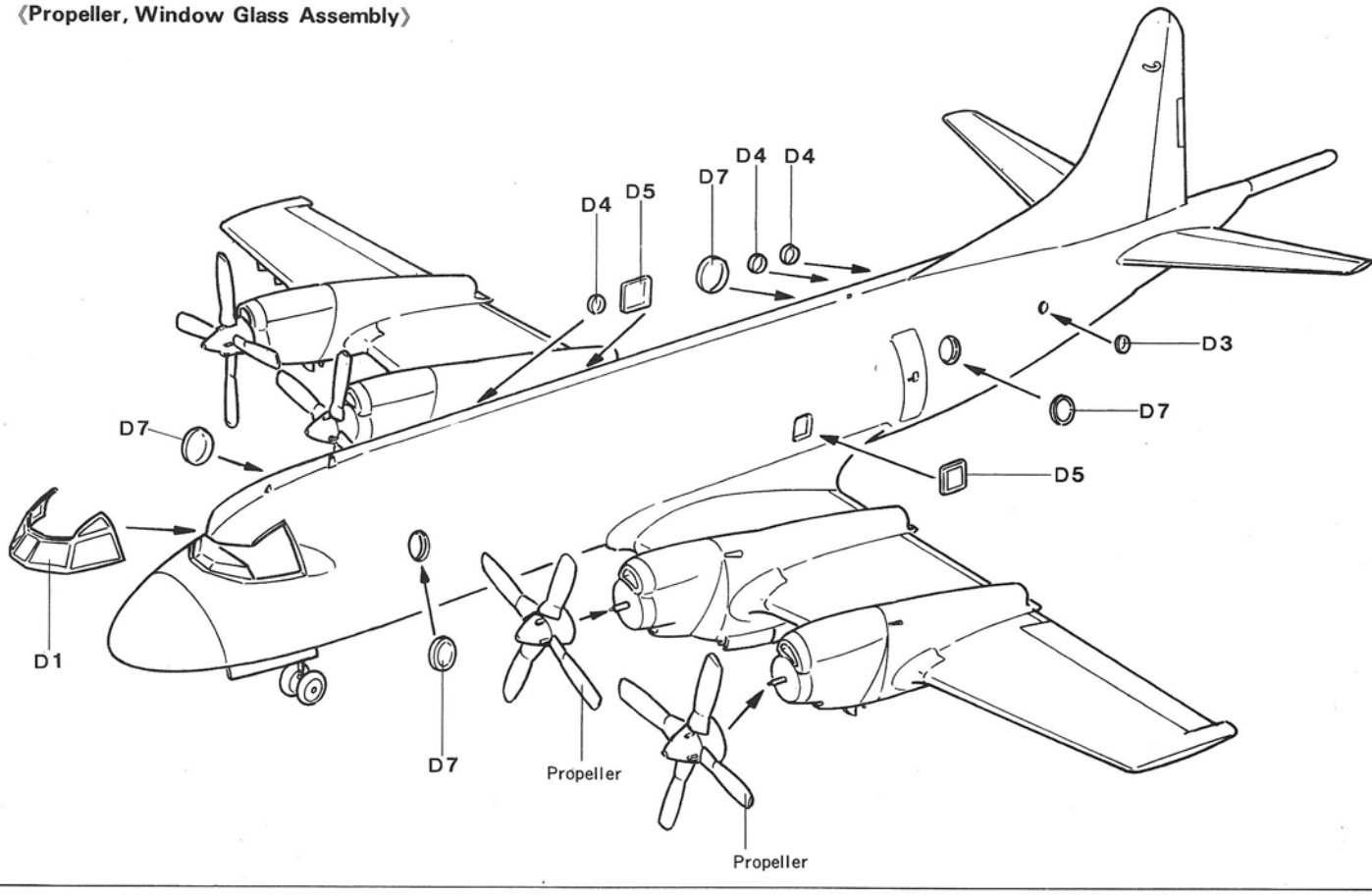
4 Small Parts Installation



〈Back Fuselage Assembly〉



〈Propeller, Window Glass Assembly〉

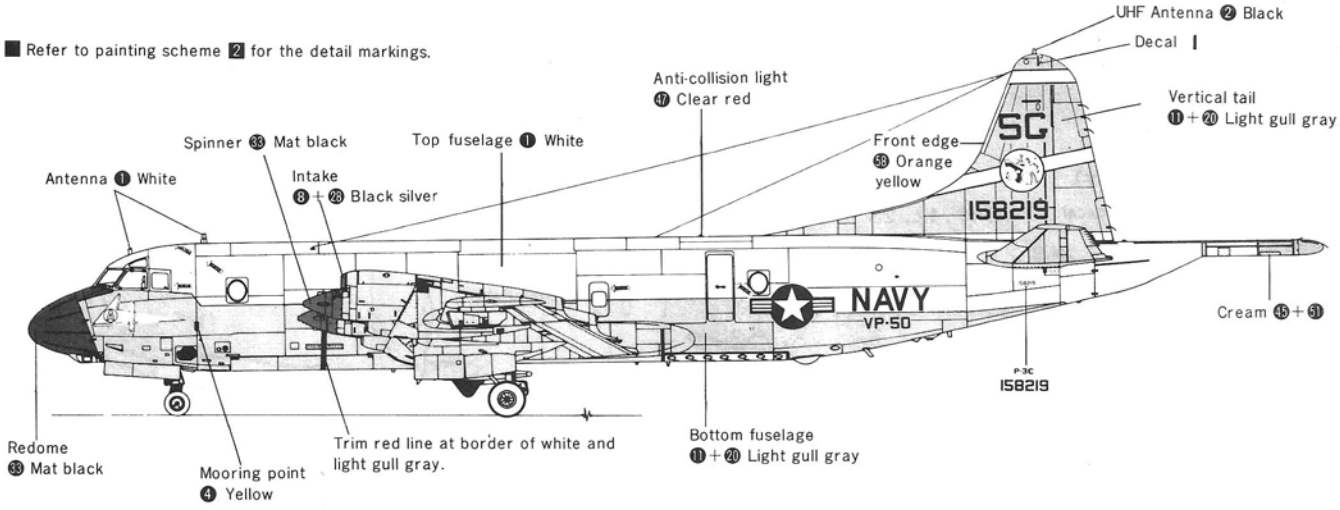


Marking & Color Painting Guide

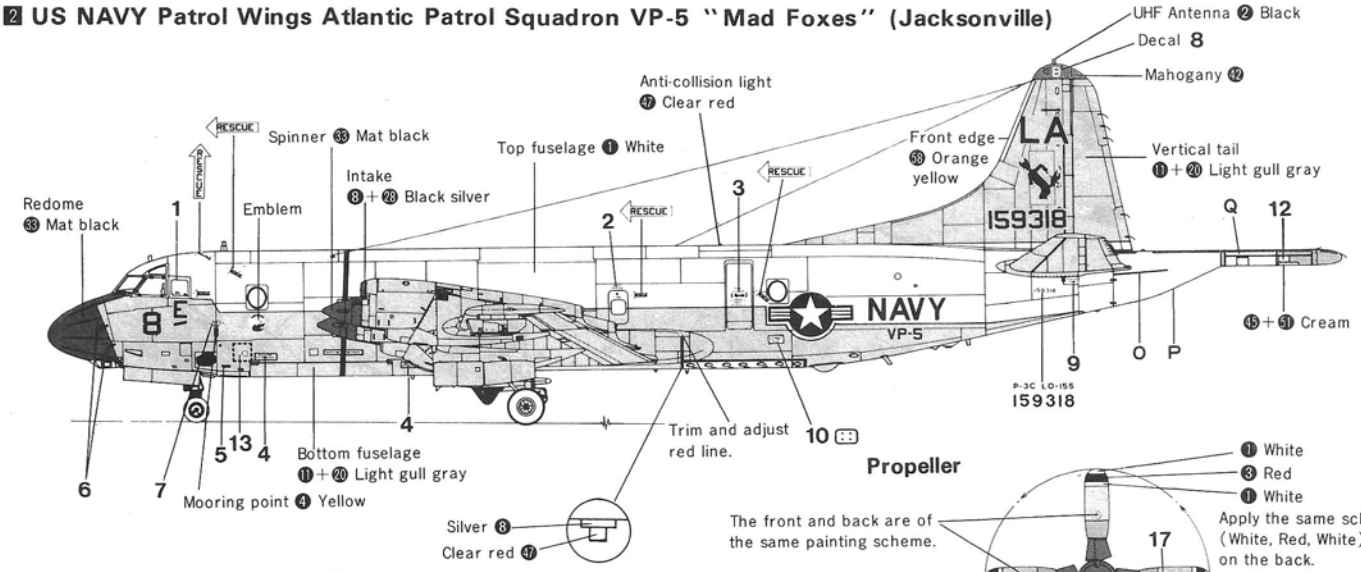
■The number of each color is color code number of "Model Color" or "Gunze Color".

1 US NAVY Patrol Wings Pacific Patrol Squadron VP-50 "Blue Dragons" (Misawa)

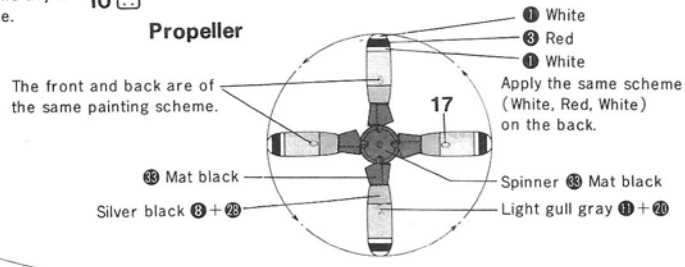
■ Refer to painting scheme 2 for the detail markings.

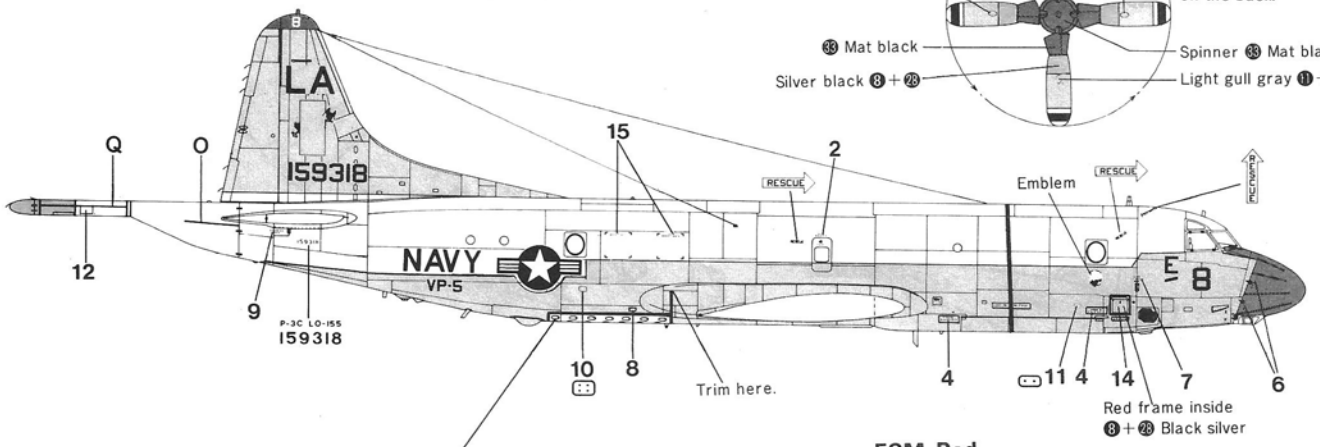


2 US NAVY Patrol Wings Atlantic Patrol Squadron VP-5 "Mad Foxes" (Jacksonville)



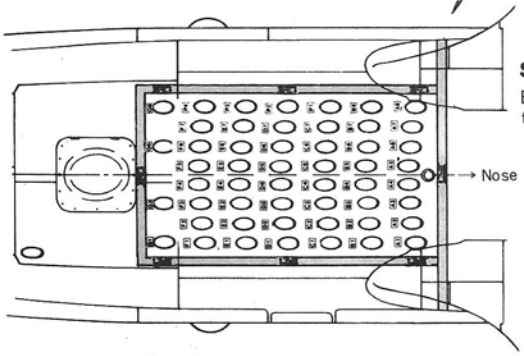
Propeller





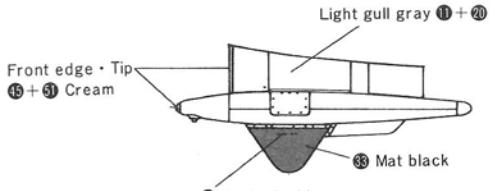
Sono-buoy ejection tube

Ejection tube number begins from nose direction as A to G.



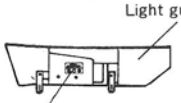
Cut off the red stripe which is too long.

ESM Pod



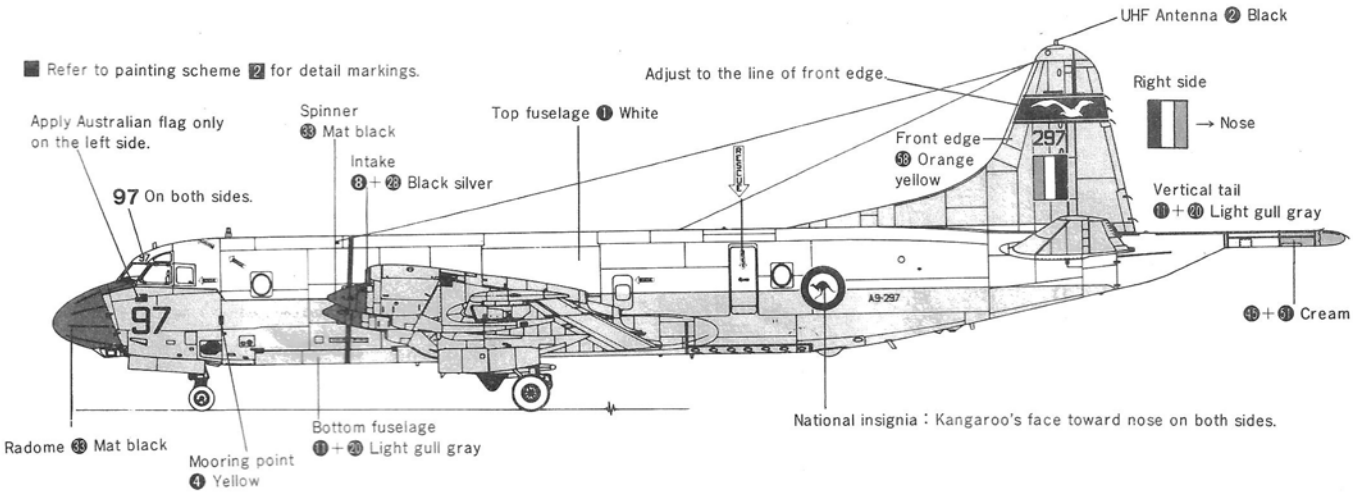
6 On both sides.

Pylon

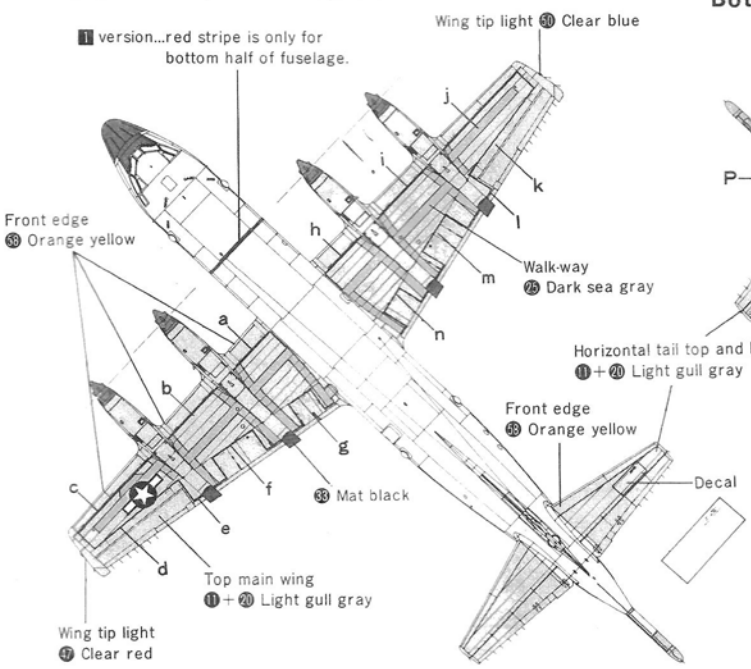


16 On both sides.

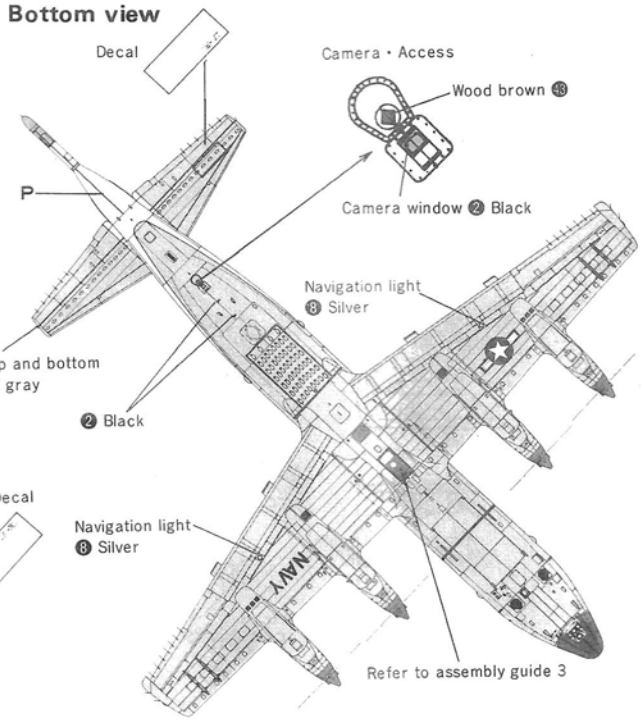
3 ROYAL AUSTRALIAN AIR FORCE 11 Squadron (EDINBURGH, SOUTH AUSTRALIA)



1 2 U.S. NAVY plane Top view

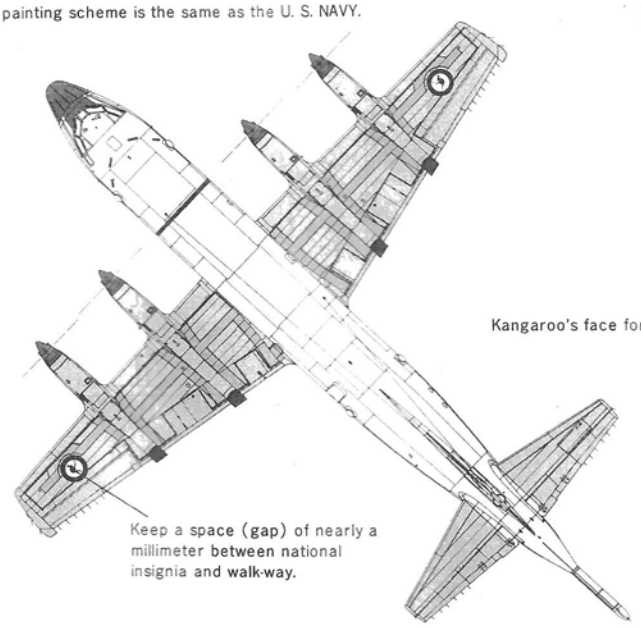


Bottom view

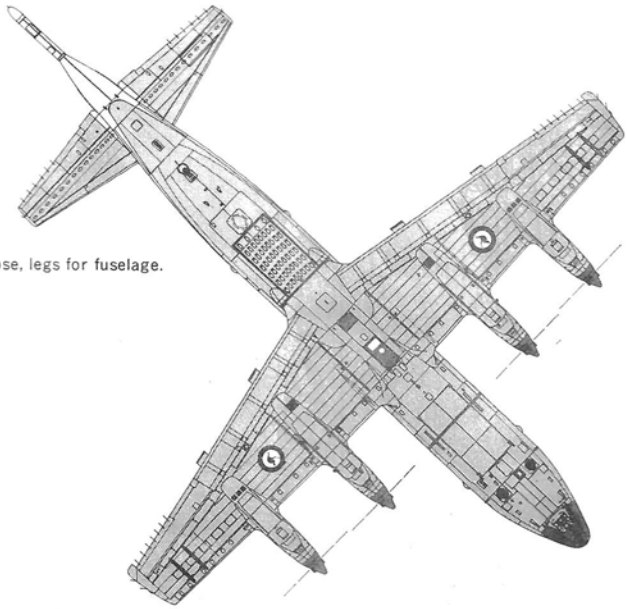


3 Australian Air Force Plane Top view

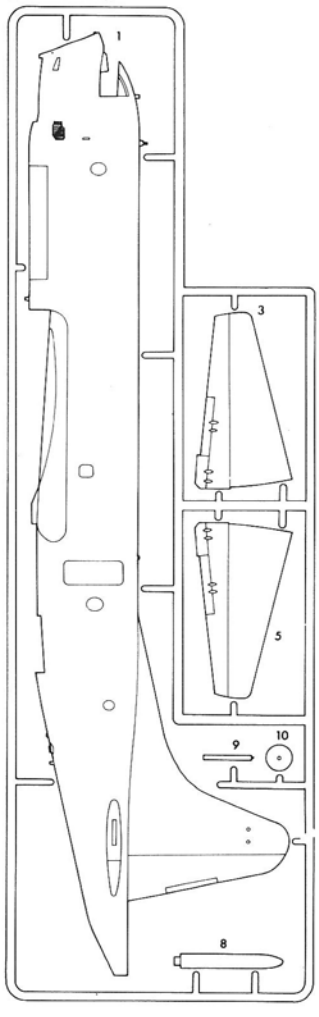
The painting scheme is the same as the U. S. NAVY.



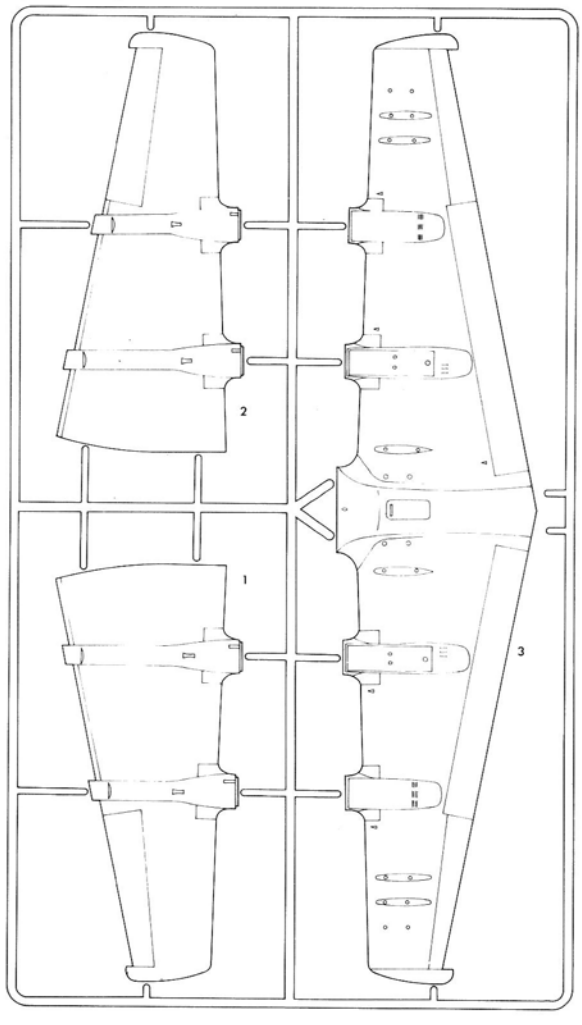
Bottom view



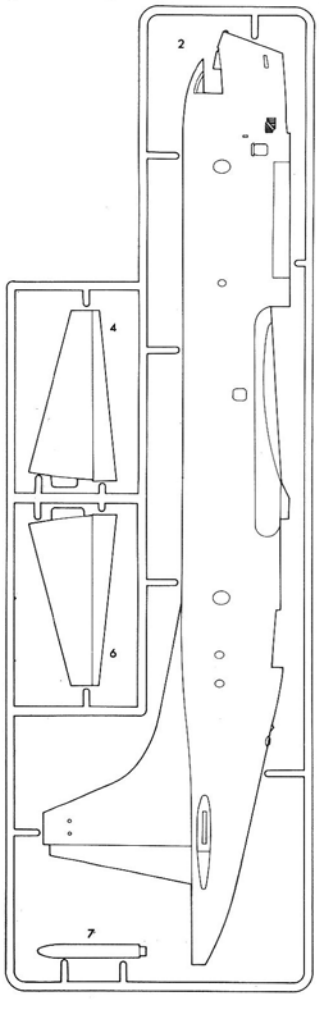
⟨A-Parts⟩



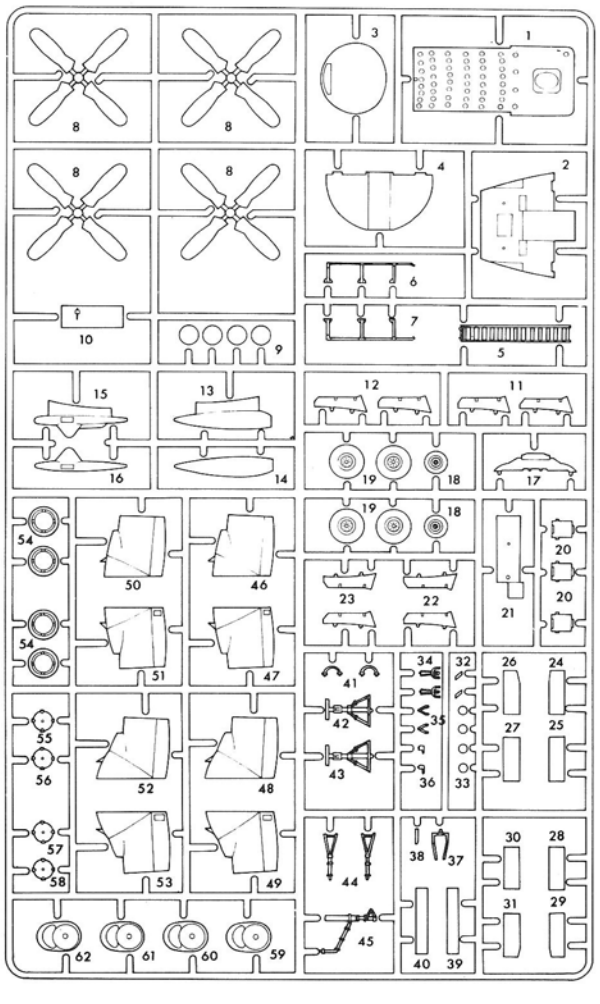
⟨B-Parts⟩



⟨A-Parts⟩



⟨C-Parts⟩



⟨Parts No. & Name⟩

A-Parts

1. Fuselage (Left)
2. Fuselage (Right)
3. Horizontal tail top (L)
4. Horizontal tail bottom (L)
5. Horizontal tail top (R)
6. Horizontal tail bottom (R)
7. MAD boom (R)
8. MAD boom (L)
9. Support part A
10. Support part B

B-Parts

1. Main wing top (R)
2. Main wing top (L)
3. Main wing bottom

C-Parts

1. Sono-buoy ejection area panel
2. Cockpit floor
3. Radome
4. Bulk head
5. Ladder
6. Ladder hand rail (R)
7. Ladder hand rail (L)
8. Propeller
9. Exhaust pipe
10. Cabin door
11. Pylon A
12. Pylon B
13. Search-light (R)
14. Search-light (L)
15. ESM Pod (L)
16. ESM Pod (R)
17. Instrument panel
18. Nose wheel
19. Main wheel
20. Seat
21. Nose gear well
22. Pylon C
23. Pylon D
24. Left main gear door front (R)
25. Left main gear door rear (R)
26. Left main gear door front (L)
27. Left main gear door rear (L)
28. Right main gear door rear (L)
29. Right main gear door front (L)
30. Right main gear door rear (R)
31. Right main gear door front (R)
32. Antenna A
33. Propeller shaft
34. Control column
35. Oleo arm
36. Pitot tube
37. Nose gear well part
38. Antenna B
39. Nose gear door (L)
40. Nose gear door (R)
41. Antenna C
42. Main gear strut (L)
43. Main gear strut (R)
44. Main gear strut part
45. Nose gear strut
46. Left outside engine rack access(L)
47. Left outside engine rack access(R)
48. Left inside engine rack access(L)
49. Left inside engine rack access(R)
50. Right outside engine rack access(L)
51. Right outside engine rack access(R)
52. Right inside engine rack access(L)
53. Right inside engine rack access(R)
54. Spinner rear
55. Spinner front
55. Spinner front
57. Spinner front
58. Spinner front
59. Left inside engine cowling
60. Right inside engine cowling
61. Right outside engine cowling
62. Left outside engine cowling

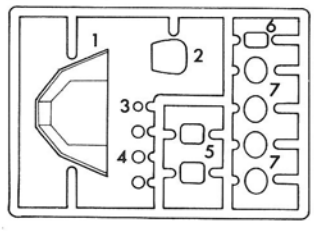
D-Parts

1. Canopy
2. Nose camera
3. Galley window
4. Dining room window
5. Emergency exit door window
6. Search-light
7. Side window

Other parts

Instruction leaflet	1
Color guide	1
Decal	1

⟨D-Parts⟩



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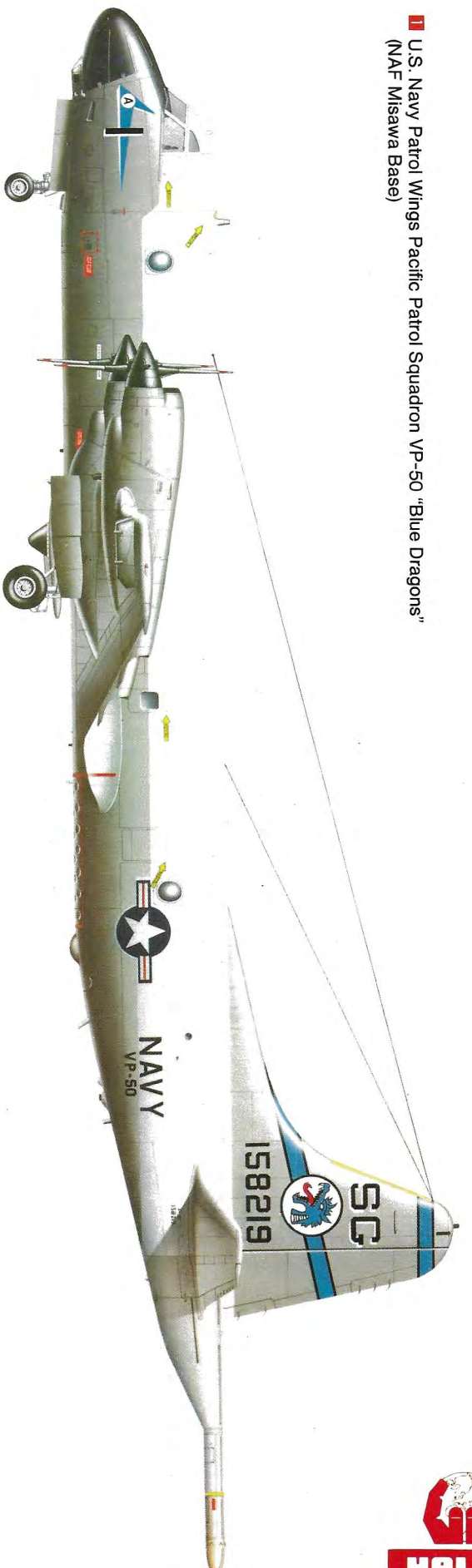
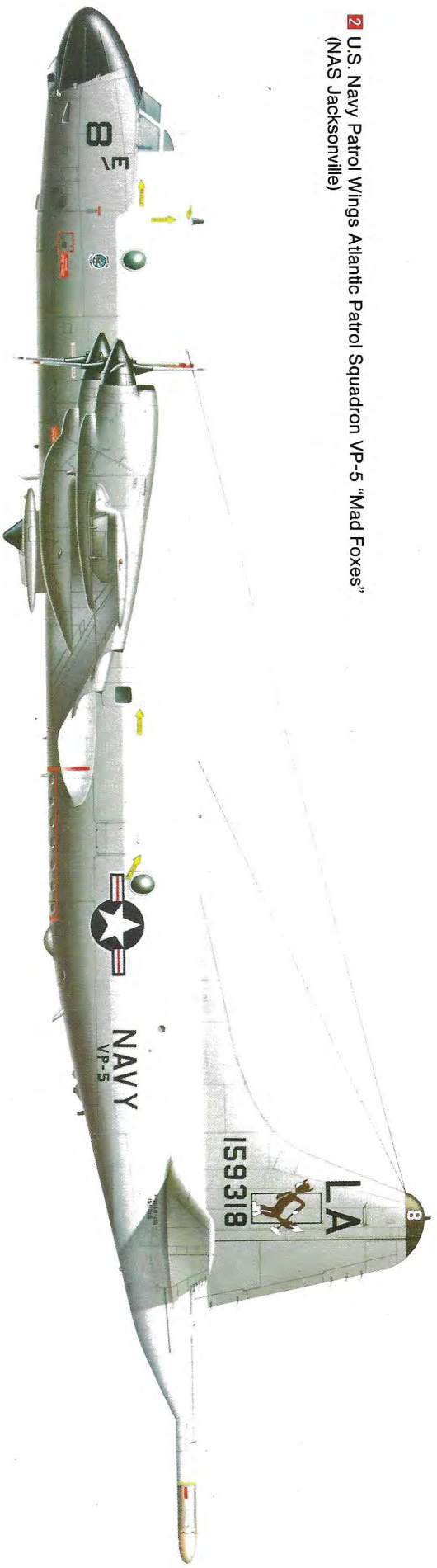
Hasegawa

1/72 SCALE SERIES



1 U.S. Navy Patrol Wings Pacific Patrol Squadron VP-50 "Blue Dragons"
(NAF Misawa Base)



2 U.S. Navy Patrol Wings Atlantic Patrol Squadron VP-5 "Mad Foxes"
(NAS Jacksonville)

HALES

Printed in England