

PLEASE OPEN CAREFULLY — INSTRUCTIONS OVERLEAF

Ask for other AIRFIX models in this series

The Whirlwind is an extensively developed version of the American Sikorsky S.55 and many marks have been produced for use by the Fleet Air Arm, the Army, the R.A.F., and civil operators all over the world; such adaptability shows how rugged and versatile the Whirlwind is.

Later versions of the Whirlwind have had the piston engine replaced with a more powerful free turbine giving a greatly increased performance.

This model is of the mark which is the forerunner of them all and represents one of the Search and Rescue aircraft carried by H.M.S. *Protector*, the exploration ship of the Royal Navy which operates in the barren and frozen areas of the Antarctic. Her helicopters are in constant use ferrying men, stores and sometimes Husky dogs between the ship and various lonely outposts. (This aircraft has flown more than 1100 hours.)

The strength and reliability of the aircraft is essential to the Fleet Air Arm crew of pilot, observer and aircrewman who must fly over trackless waste of ice and snow.

The engine is a 600 h.p. Pratt and Whitney Wasp which gives a maximum speed of 109 m.p.h. at sea level. The range is 435 miles, loaded weight 7,800 lbs., rotor diameter 53 feet, and length 41 ft. 8 ins.

TECHNICAL DATA

THE WESTLAND WHIRLWIND H.A.R. MARK. 1.



AIRFIX - 72 SCALE

WESTLAND H.A.R. MARK. 1

AIRFIX

CONSTRUCTION KIT

1/72 SCALE MODEL CONSTRUCTION KIT

WESTLAND H.A.R. Mk I

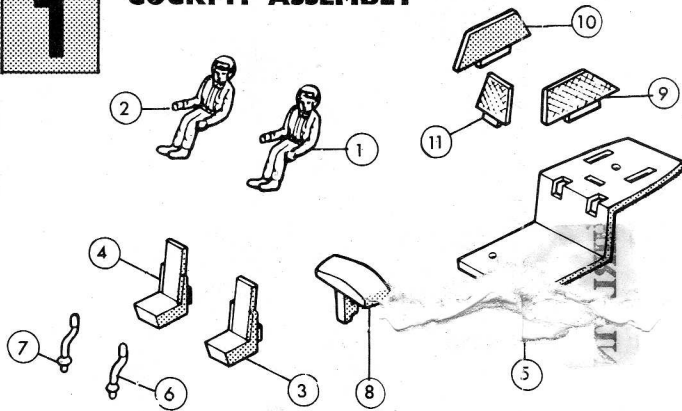
INSTRUCTIONS

PAINT ALL DETAILS AND LET DRY BEFORE ASSEMBLING (SEE SECTION 4)

N.B. FOR PAINTING USE "AIRFIX" PAINTS, FOR FIXING USE "AIRFIX" POLYSTYRENE CEMENT

1

COCKPIT ASSEMBLY

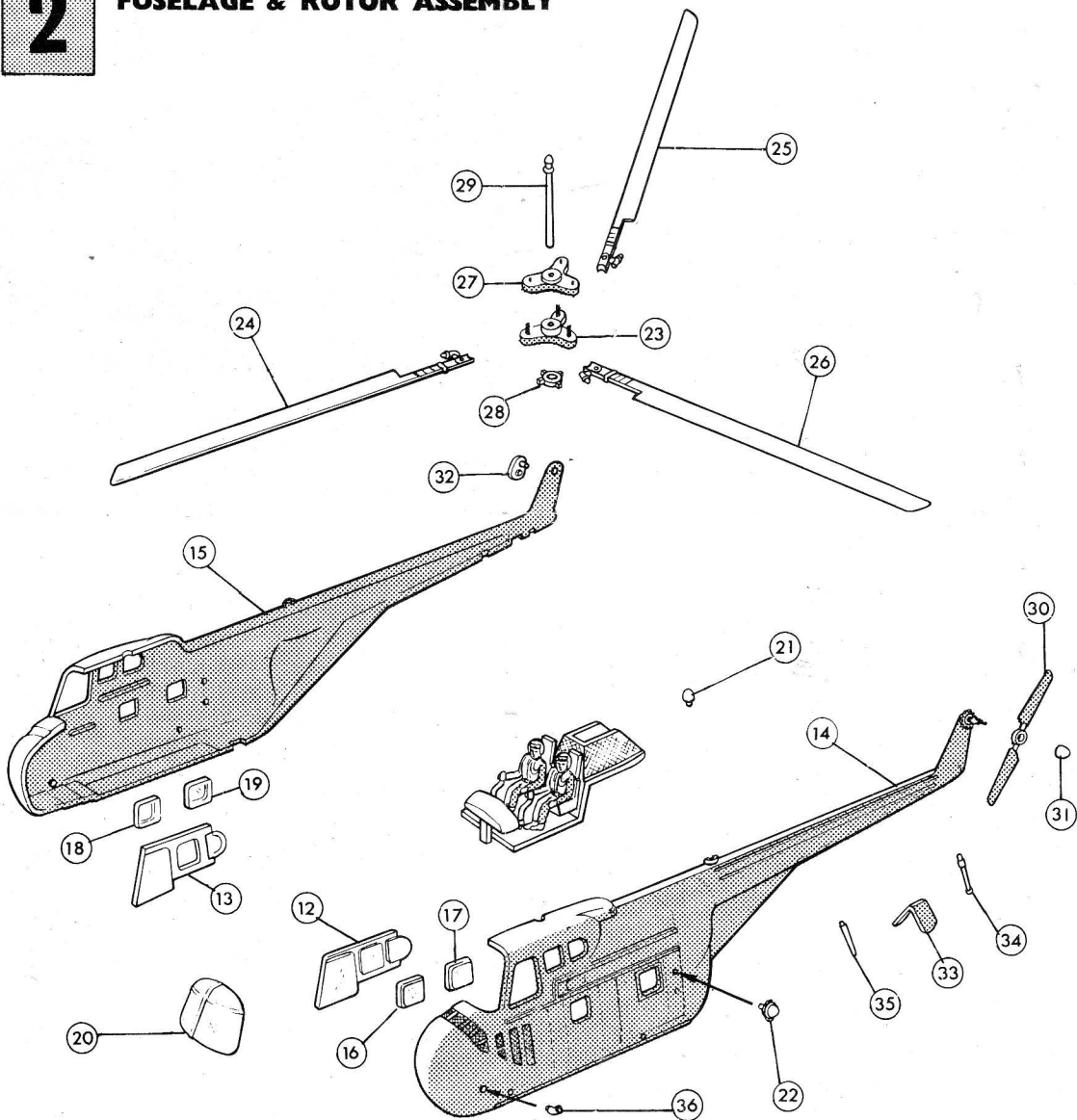


It is recommended that the instructions and exploded view are studied before assembly. If it is wished to paint internal details such as the crew and cockpit interior, this should be done before assembly.

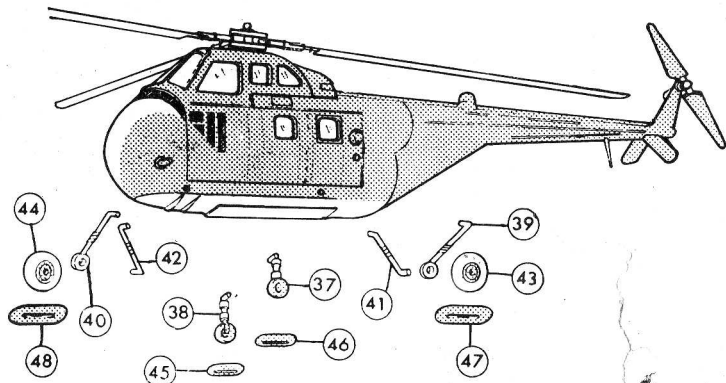
1. Cement pilot and co-pilot (1, 2) to seats (3, 4).
2. Cement tab on seats into cut-outs in step of cockpit floor (5).
3. Locate and cement control columns (6, 7) into locating holes in front of pilots.
4. Cement tab on control console (8) into cut out in front of cockpit floor, step above floor.
5. Cement tabs on gearbox housing sides (9, 10) into side slots in cockpit floor.
6. Cement tab on gearbox housing front (11) into forward slot in cockpit floor and to front edges of gearbox housing sides, set aside to dry.

2

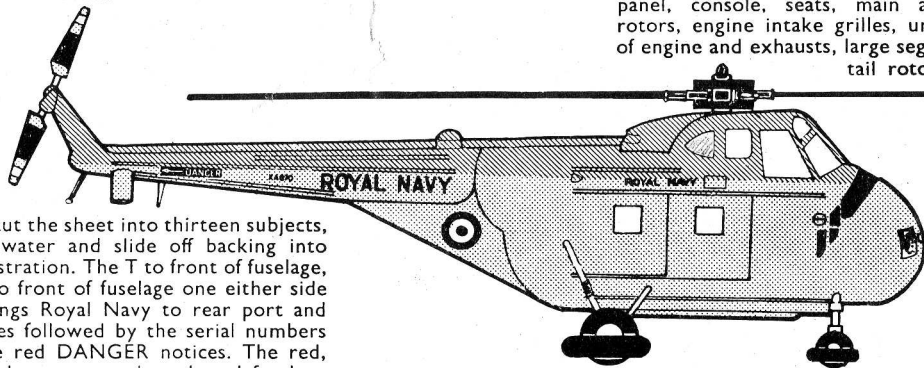
FUSELAGE & ROTOR ASSEMBLY



7. Cement large upper port and starboard window transparencies (12, 13) to inside of port and starboard fuselage halves (14, 15). Apply cement carefully to window surrounds only.
8. Similarly locate and cement the four port and starboard lower windows (16-19).
9. Locate and cement cockpit floor assembly onto ribs in starboard fuselage half, then cement fuselage halves together, at same time locating and cementing cockpit floor onto ribs in port fuselage half.
10. Locate and cement front window transparency (20) into front of fuselage.
11. Locate and cement beacon transparency (21) to top and rear of fuselage.
12. Locate and cement radar reflector transparency (22) into central locating hole in port side of fuselage, after first painting rear of reflector blue.
13. Insert locating pins on lower rotor housing half (23) through locating holes in ends of rotor blades (24-26) and cement protruding ends of pins into recesses in upper rotor housing half (27). Set aside to dry.
14. Carefully cement slide control ring (28) over locating hole on top of fuselage. Ensure correct location by inserting rotor pin (29) fully. Remove pin and allow to dry, keep cement from rotor pin.
15. When dry, insert, DO NOT CEMENT, rotor pin through rotor housing, slide control ring and into fuselage location. Check rotor blades revolve freely. NOTE: rotor pin is detachable.
16. Insert locating pin on tail through hole in boss on tail rotor blade (30). DO NOT CEMENT, then carefully cement tail rotor blade retainer (31) onto protruding end of locating pin. Check tail rotor revolves freely.
17. Locate and cement upper locating pin on tail rotor gear box (32) into locating hole in starboard side of tail.
18. Cement tail stabilizers (33) into locating slot beneath fuselage.
19. Cement tail skid (34) into rear locating hole beneath fuselage to rear of tail stabilizers.
20. Cement radio antenna (35) into locating hole beneath fuselage forward of tail stabilizers.
21. Cement locating pin on exhaust (36) into locating hole in port side of fuselage.

3**UNDERCARRIAGE ASSEMBLY**

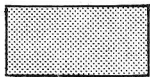
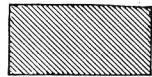
22. Cement locating pin on front undercarriage legs (37, 38) into forward locating holes in fuselage sides.
23. Cement locating pins on main undercarriage legs (39, 40) into rear locating holes in port and starboard fuselage sides.
24. Cement locating pins on main undercarriage supports (41, 42) into locating holes in port and starboard fuselage sides forward of main undercarriage legs, at some time inserting and cementing axles at ends of supports through boss on end of main undercarriage legs.
25. Cement main undercarriage wheels (43, 44) onto protruding ends of axles.
26. If desired cement small and large floats (45-48) onto front and rear undercarriage wheels, cut outs in floats fitting around undercarriage legs, small floats to front.
27. Cement together both parts of stand.
28. Cement arm of stand into slot provided in fuselage.
2. Any further painting should be completed at this stage, referring to colour notes and colour illustration.

4**COLOUR SCHEME**

BLACK M6 Floats, gear box housing, instrument panel, console, seats, main and tail rotors, engine intake grilles, underside of engine and exhausts, large segment of tail rotor blade.

30. Apply transfers. First cut the sheet into thirteen subjects, dip each into warm water and slide off backing into position shown on illustration. The T to front of fuselage, the penguin insignia to front of fuselage one either side of T, the large markings Royal Navy to rear port and starboard fuselage sides followed by the serial numbers XA870 and finally the red DANGER notices. The red, white and blue roundels on port and starboard fuselage sides below the Royal Navy markings and the single small Royal Navy marking above the starboard fuselage door. The aircraft name to base of stand.

SILVER G8 Front of Radar reflector, undercarriage legs.
BRIGHT RED G1 Three segments of tail rotor blade, lower fuselage sides. see colour illustration
DARK BLUE G6 Rear of radar reflector, upper surfaces.

**BRIGHT RED G1****BLACK M6****DARK BLUE G6**