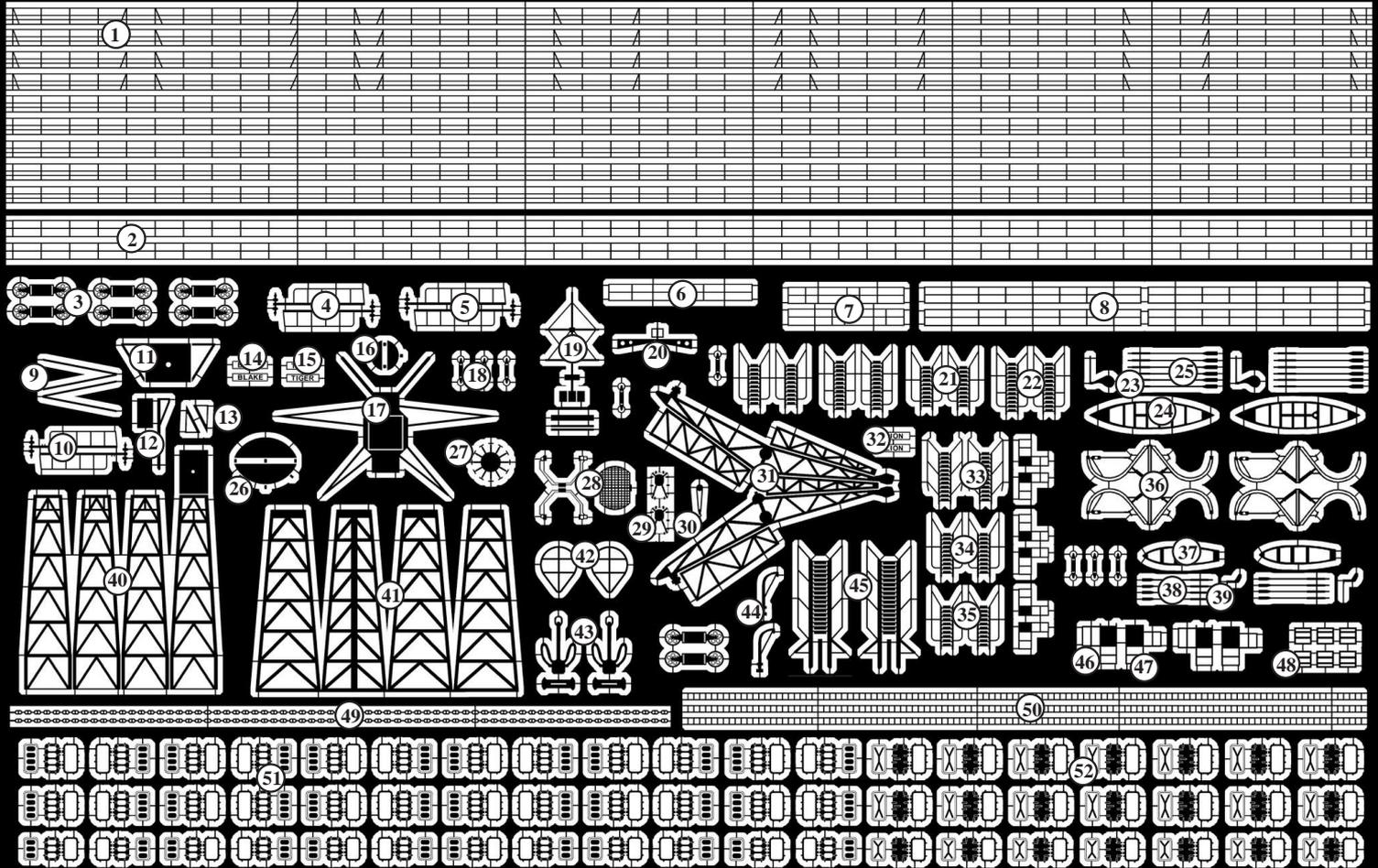


Parts List

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ATLANTIC MODELS



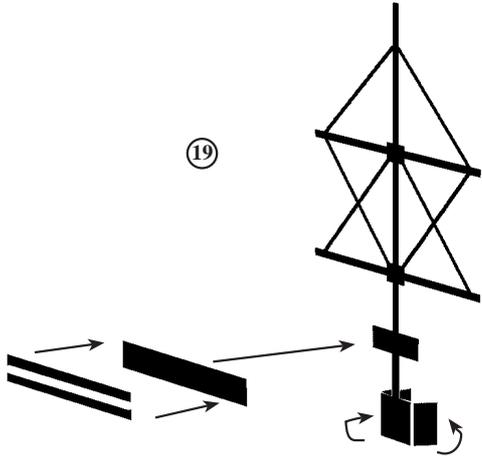
HMS Tiger / HMS Lion / HMS Blake 1/415 Scale

1. 3 Bar Railings	14. HMS Blake Nameplates	27. Fore Top Antenna	40. Main Mast Lattice Assembly
2. 2 Bar Railings	15. HMS Tiger Nameplates	28. 277 Radar Antenna	41. Fore Mast Lattice Assembly
3. Hawser Reels	16. 293 Radar Antenna	29. Deck Hatches	42. Funnel Cap Grills
4. Fore Mast Yardarm (Fwd)	17. Fore Mast Top Platform	30. Crane Hook	43. Anchors
5. Fore Mast Yardarm (Side)	18. Cordage Reels	31. Crane Jib	44. Accommodation Ladder Davits
6. Main Mast Platform Railing	19. 960 Radar Antenna	32. HMS Lion Nameplates	45. Accommodation Ladders
7. Fore Mast Platform Railings	20. Bridge Front DF Antenna	33. Aft Superstructure Ladders (Lower)	46. Accom Ladder Lower Landing
8. Director Platform Railings	21. Focсле Step Inclined Ladders	34. Aft Superstructure Ladders (Mid)	47. Accom Ladder Upper Landing
9. Main Mast Yardarm Supports	22. Amidships Inclined Ladders	35. Aft Superstructure Ladders (Upper)	48. 3" Gun Turret Sight Windows
10. Main Mast Yardarms	23. 27' Whaler Rudder	36. Sea Boat Davits	49. Anchor Chain Stock
11. 277 Radar Platform	24. 27' Whaler Thwarts	37. 16" Dinghy Thwarts	50. Vertical Ladder Stock
12. Main Mast Gaff Platform	25. Whaler Oars	38. Dinghy Oars	51. Watertight Doors (Waffle Pattern)
13. Main Mast Top Platform Supports	26. 294 Radar Antenna	39. Dinghy Rudder	52. Watertight Doors (Plain)

General Instructions

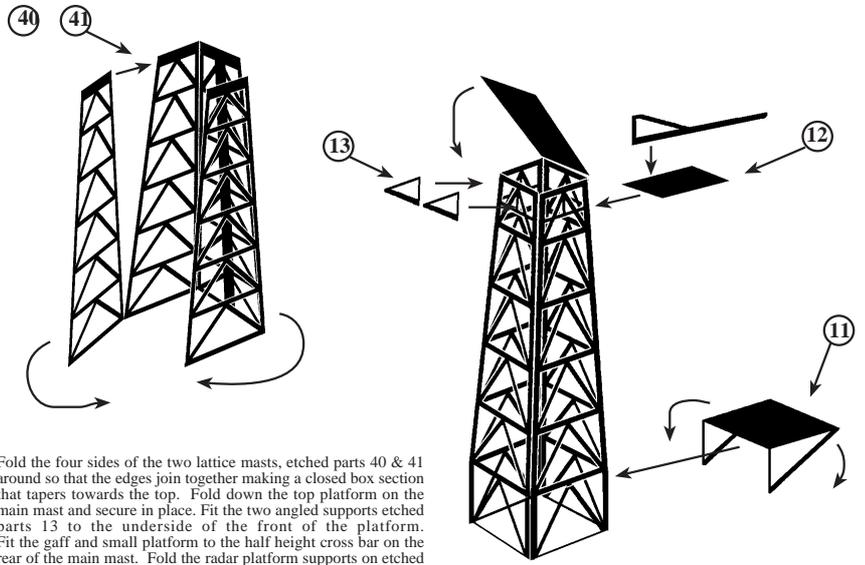
- Do not remove the etched parts from the fret until you are ready to use them.
- Before assembly, soak the etched parts in a suitable solvent, such as white spirit, to de-grease the surfaces for painting.
- Cyanoacrylate adhesive (Super glue) or contact adhesive such as Elmers white glue may be used. These can be applied with a pin or piece of stretched sprue.
- When removing parts from the fret, place the fret on a hard surface, such as a smooth ceramic tile, in order to prevent parts bending whilst cutting through the holding tabs. It is suggested that a #11 type of modelling knife blade is used for this purpose.
- When shaping or bending a part, a straight edged blade such as a chisel blade #17 or #18 will give a good sharp corner, or alternatively a small pair of smooth jawed pliers may be used.
- If a part is bent incorrectly, lay it on a hard flat surface and roll it flat with a cylindrical object such as a modelling knife handle.
- It is suggested that rails are pre-measured, where practical, using a pair of compass dividers and then tacked to the deck edge every third or fourth stanchion with a small drop of glue. When a section is complete, run a thin line of glue along the inside edge to attach it firmly to the deck.

Type 960 Radar Antenna Assembly



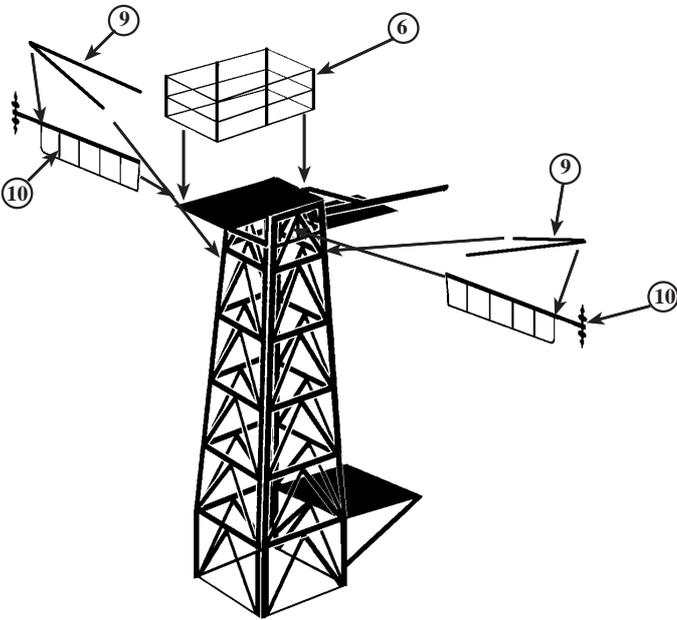
Fold the base of etched part 17 around to form a triangle and secure the edges at the point together. Laminate the IFF antenna plates together and fit to the small plate on the central pillar. This assembly directly replaces kit part 14 on top of the main mast.

Main Mast Assembly



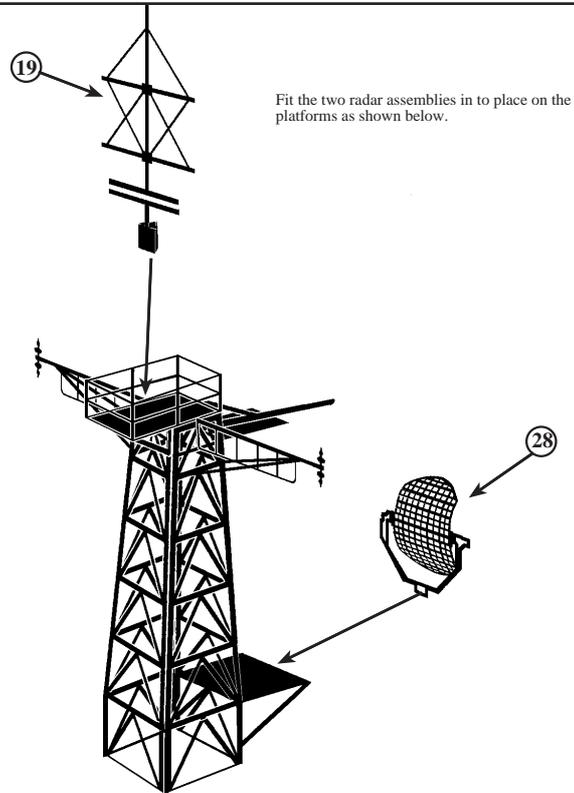
Fold the four sides of the two lattice masts, etched parts 40 & 41 around so that the edges join together making a closed box section that tapers towards the top. Fold down the top platform on the main mast and secure in place. Fit the two angled supports etched parts 13 to the underside of the front of the platform. Fit the gaff and small platform to the half height cross bar on the rear of the main mast. Fold the radar platform supports on etched part 11 to 90° and fit to the lower horizontal bar on the rear of the mast.

Main Mast Fittings Location



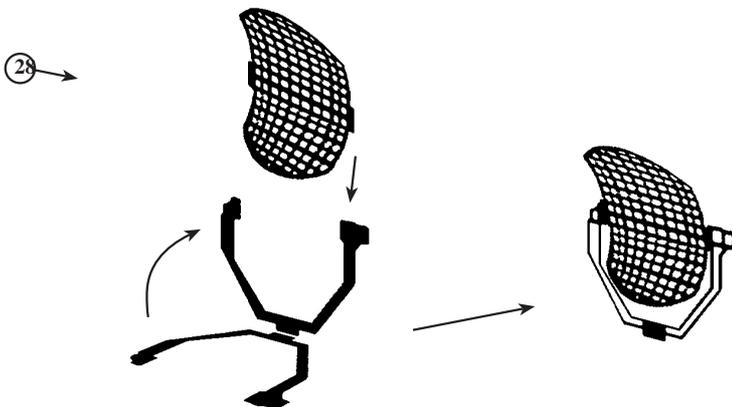
Fit the two side yardarms, etched parts 10, to the two small vertical upright bars on the mast sides. Fit the angled supports so that the two legs fit against the top full height cross bar at each corner, then the point is brought up to meet against the underside of the outer part of the yardarm.

Fit the mast platform railing to shape and fit in to place as shown. When fitting the main mast to the kit, it will be necessary to remove the lower moulded section from kit parts 26 and 27. The full height etched mast is then fitted in the placewhere these pieces have been removed from, and directly replacing the kits mast part 53.



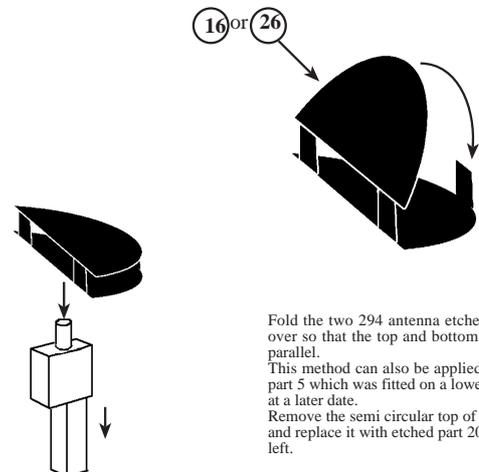
Fit the two radar assemblies in to place on the platforms as shown below.

Type 277 Radar Antenna Assembly



This assembly is of a later variant of the 277 radar, and is used as a height finder radar. Fold the mounting frame in half so that the relief etched detail is outermost, then gently curve the antenna mesh as shown above and fit between the forks of the mounting. This assembly directly replaces kit part 12.

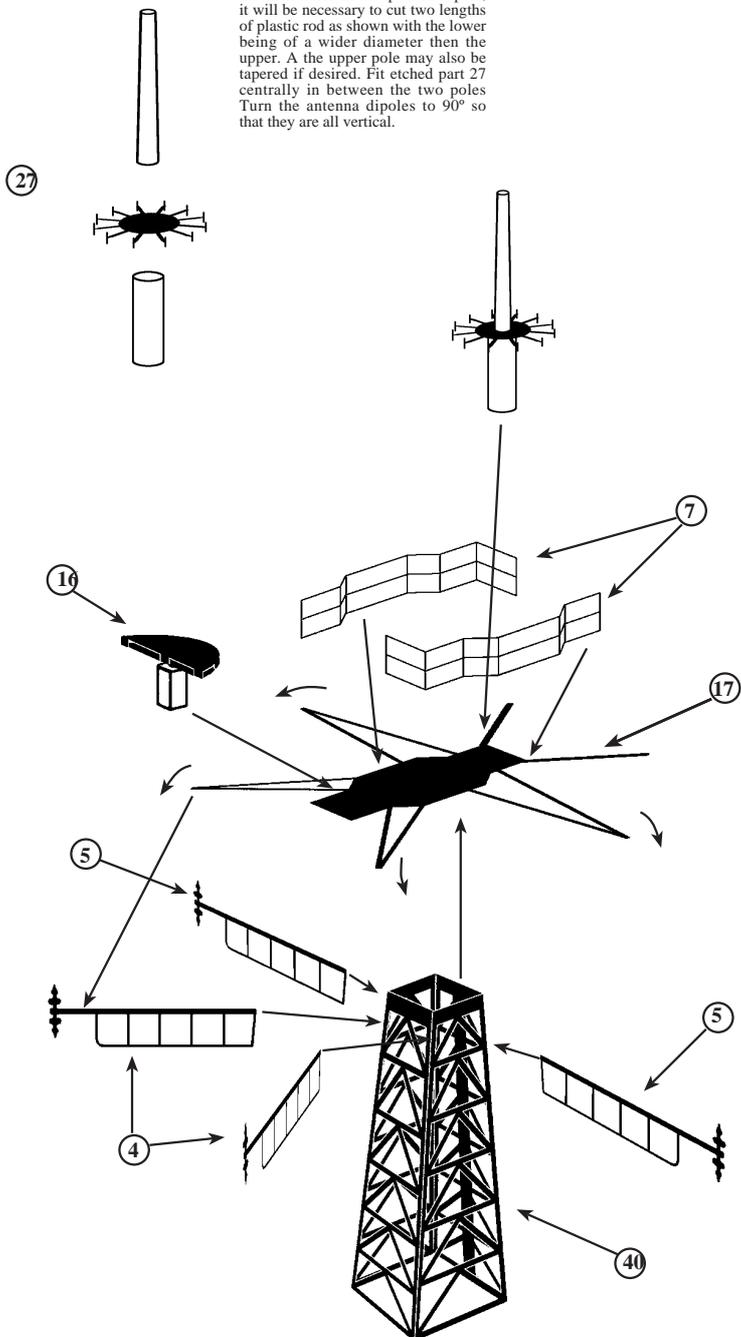
Type 293 & 294 Radar Antenna Assembly



Fold the two 294 antenna etched parts 20 over so that the top and bottom plates are parallel. This method can also be applied to etched part 5 which was fitted on a lower platform at a later date. Remove the semi circular top of kit part 28 and replace it with etched part 20 as shown left.

Fore Mast Assembly

To make a fore mast top antenna pole, it will be necessary to cut two lengths of plastic rod as shown with the lower being of a wider diameter than the upper. A the upper pole may also be tapered if desired. Fit etched part 27 centrally in between the two poles. Turn the antenna dipoles to 90° so that they are all vertical.



Fold the fore mast lattice work around as described previously for the main mast, then fit the top platform, etched part 17, using the etched lines on the underside of the platform as a location guide. Fit the forward quarter yardarms halfway between the mast platform and the first horizontal bar on the front of the mast. Angle these yardarm apart and then bend down the supports slightly until the point meet the tops of the yardarms. Fit the side yardarms in a similar manner only they are lower down than the forward yardarms. Shape and fit the platform railings, etched parts 7, then fit the 294 antenna in to place on the forward part of the platform.

Aft Superstructure Inclined Ladders

(33 to 35)



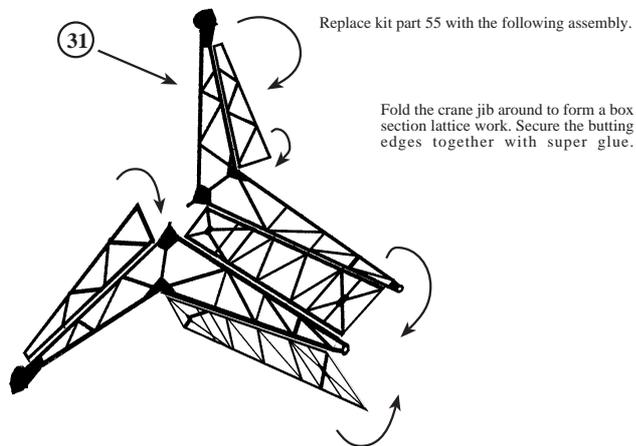
Assemble each of the inclined ladders by folding up the side rails to 90° so that they are parallel, then turn each of the steps back individually so that they are all horizontal.

On the aft superstructure there are three sets of inclined ladders running up each side, that are represented on the kit parts as molded "Aztec" steps. These should be removed carefully as should the molded steps amidships near the boat deck.

Replace these molded steps with the etched parts as listed on the front page of the instructions.

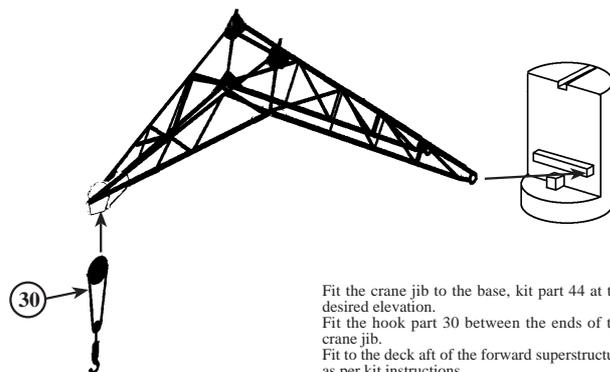
The aft superstructure ladders also have small landings which are provided with replacement etched parts that have fitted railings attached. Fold these up to 90° and secure the stanchions together.

Boat Crane Assembly



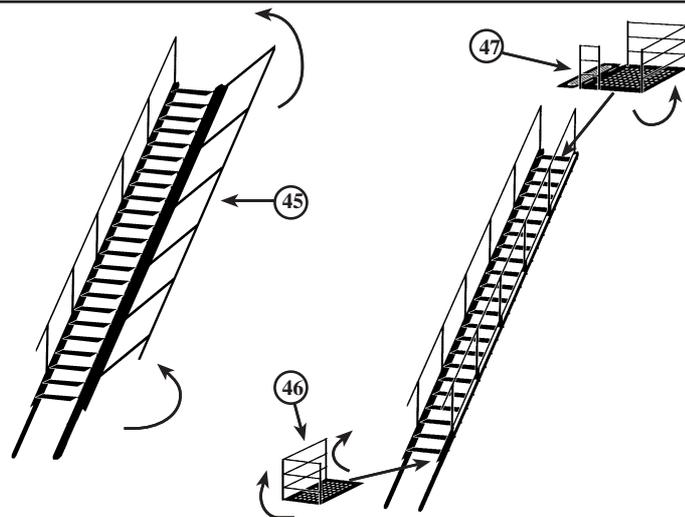
Replace kit part 55 with the following assembly.

Fold the crane jib around to form a box section lattice work. Secure the butting edges together with super glue.



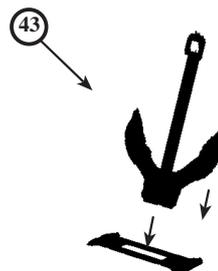
Fit the crane jib to the base, kit part 44 at the desired elevation. Fit the hook part 30 between the ends of the crane jib. Fit to the deck aft of the forward superstructure as per kit instructions.

Accommodation Ladders



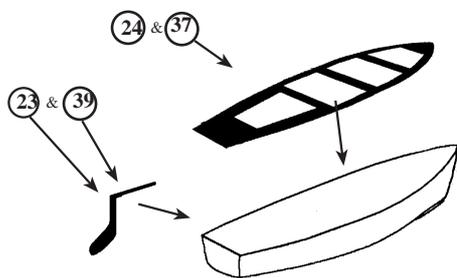
If the ship is to be modelled at anchor, an accommodation ladder may be deployed for the ships boats, on the ships sides aft of the hull step. There are enough etched parts provided to make a ladder for each side of the ship, should it be desired.

Anchor Assembly

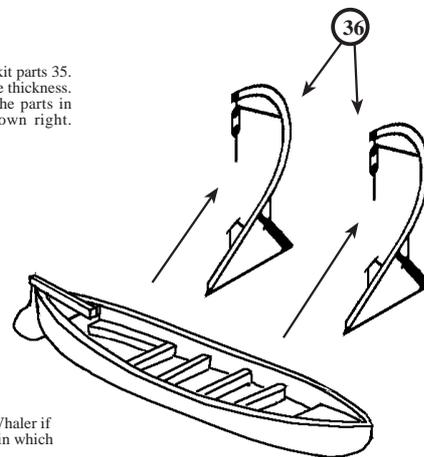


Assemble photo etched anchors 43 as shown above. Fit anchors into the hawse pipes each side of the bow, after first drilling out the holes with a 1.5mm drill bit.

Open Boat Detail Location

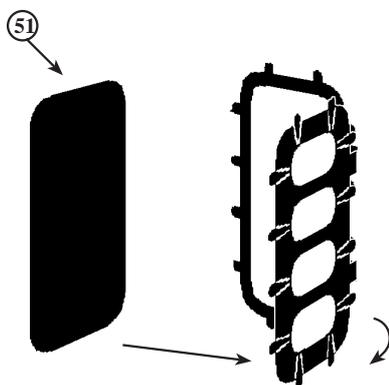


A set of davits has been supplied in this set to replace the kit parts 35. These are folded in half at the base to give them double the thickness. Ensure the etched detail is outermost before securing the parts in to place. Fit the 27' Whalers to the davits as shown right. The 16' Dinghy parts fit to the kit parts 42.



Fit the thwarts and rudder to the hull of the 16' Dinghy as shown here. The same can be done to the 27' Whaler if desired after first removing any of the molded detail. The hulls of the boats may require some reshaping, in which case the thwarts can be used as templates to do this, once fitted in place.

Watertight Door Assembly



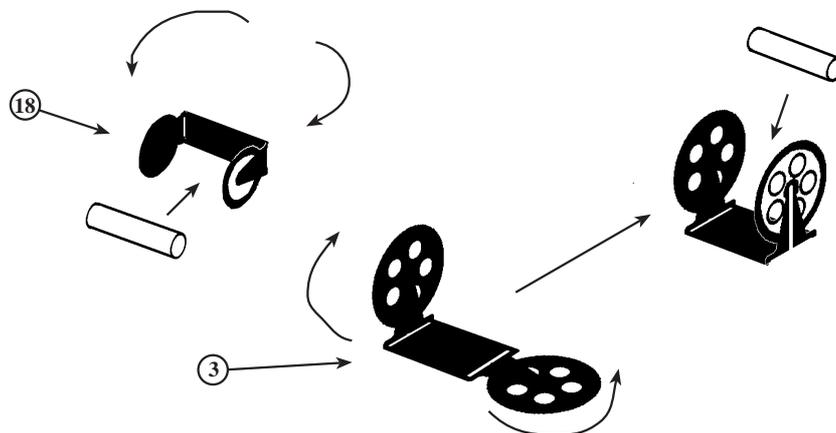
The watertight doors in this set have been supplied to replace the molded plastic doors on the sides of the kit parts and to provide additional doors where required. The etched parts 48 are made so that they can be fitted either open or closed as desired. To assemble an open door simply fold the door outer panel to whatever angle is required on the frame, then laminate the inner panel to the inside of the outer panel.

If the door is to be fitted in the closed position then fold right back against the frame and delete the inner panel.

There are some shorter doors with only three waffle plate provided. These doors usually are found as access doors to masts and short heights of superstructure. Further research is advised to find the location of all doors and hatches.

Cordage and Hawser Reel Assembly

There are several cordage reels, etched parts 4, supplied in this set. The diagram shown, describes the assembly of one of the small wall mounted reels that can be found positioned on bulkheads at various points around the ships upper decks.



Assemble the cable reels in a similar manner as that described with the cordage reels. It may be found that additional effects may be achieved by winding thin fuse wire around the centre spindle to give the impression of the reel being wound full of cable or hose. These reels are located on the focsle just forward of the superstructure and on the quarterdeck aft of the superstructure.

Other Instructions

1. Etched parts 1, 3 bar Railings are supplied to be fitted around the edges of the main decks and lower superstructure decks. Etched parts 2 are 2 bar railings that are fitted around the upper superstructure and platforms.
2. Enough anchor chain, etched part 49, has been supplied to allow the ship to be modelled at anchor with the anchor chain streamed out from the hawse pipes to the surface of the water if desired.
3. Etched items 48 are the sliding windows found on the 3" Gun Turrets on each side of the barrels. They are slightly curved in form and are for placing over the molded sections of kit parts 47.
4. Etched parts 8, are fitted sections of railing that are designed to be shaped and placed around the edges of the octagonal director platforms of kit parts 49.
5. The bridge front DF antenna, etched part 20, is shaped so that the two angled legs are folded back so that the thicker ends are slightly apart with the antenna sitting on the point. This part is fitted to the front of the bridge in place of kit part 29.
6. A very good reference for the ships of this class may be found in the FAN Publication Lion, Tiger and Blake 1942 -1986 by Neil McCart. This give a good section of colour as well as black and white photographs of all three ships.