

# WHITE ENSIGN MODELS

15" Gun Monitor

## *HMS Roberts*

Photoetched metal detail set for the **Trumpeter** kit in 1/350 scale.

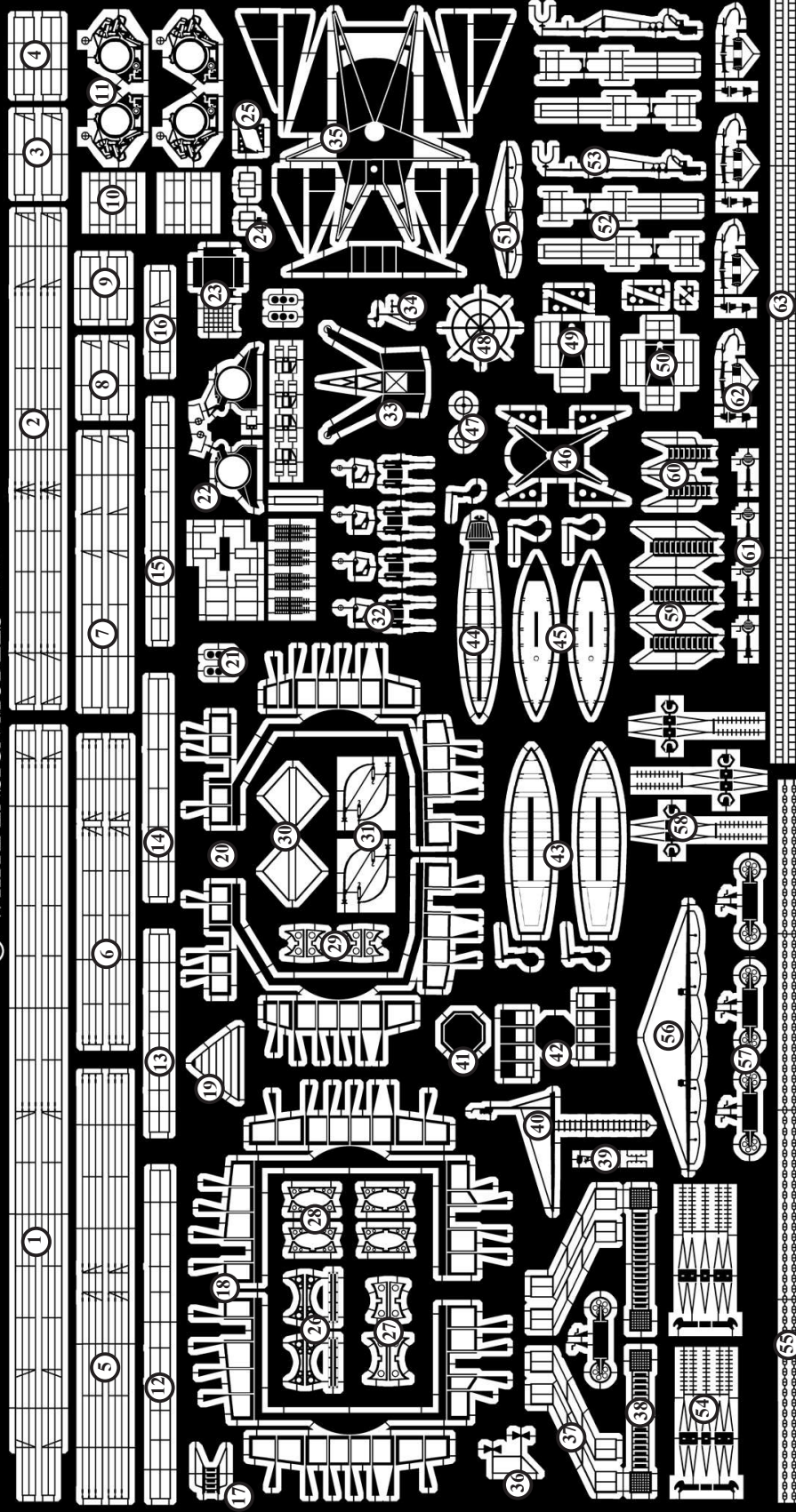


### General Instructions for working with Photo Etched Metal

1. Do not remove the etched parts from the fret until you are ready to use them.
2. Before assembly, soak the etched parts in a suitable solvent, such as white spirit, to de-grease the surfaces for painting. We recommend that the entire fret be primed with an acrylic automotive primer, such as Halfords Grey Primer before assembling any of the parts.
3. Cyanoacrylate adhesive (super glue) or contact adhesive such as a white PVA glue may be used. These can be applied with a pin or piece of stretched sprue.
4. 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. We suggest using a No.10 rounded type of modelling knife blade for this purpose.
5. When shaping or bending a part, a straight edged blade such as a chisel blade will give a good sharp corner, or alternatively a hand-held folding tool may be found to be useful
6. 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.

### INTRODUCTION

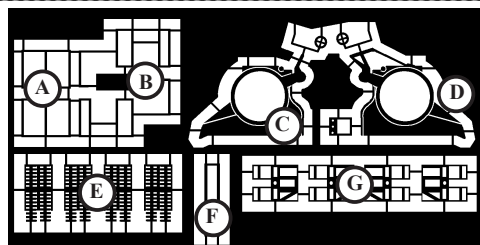
1. This detail set has been designed to help the modeler enhance the appearance of the Trumpeter kit of *HMS Roberts* by adding details that are too fine to be reproduced as plastic moldings or by replacing parts that are, by the nature of them, too out of scale or lacking in detail. Other parts included in this set are there to assist the modeller if the model is being modified to appear at an earlier time period to that of the kit as it comes in the box.
2. Railings have been supplied as tailored-to-fit sections that fit to various sections of the deck & superstructure edges. Reference to the locations of these has been made in the parts list, & guides the modeller to replace items in the kit using the kit instructions as an assembly guide, or gives the location of the part on the model.
3. Etched parts 24 are a DF antenna that fits onto a cross beam between the foretop starfish front forks, & 36 an ECM antenna that *may* have been fitted to the mainmast at some stage. These parts are not confirmed as being fitted to *Roberts*, but it is likely at a late war period. Further research will be necessary to determine this.
4. Anchor Chain, etched parts 55, is supplied in stock lengths to be cut to length and fitted between the hawsepipes & the capstans as an alternative to the chain provided in the kit.
5. Stock lengths of vertical ladder, etched parts 63, have been supplied, which can be cut to the length required & fitted to vertical surfaces & masts as required.
6. We suggest that these instructions are studied thoroughly before an attempt is made at using the parts provided. References are made to locations of parts in the parts lists, as well as in the particular sections relating to assembly.
7. We recommended that further research is done when modeling this kit, & an excellent reference can be found in the Seaforth publication *Big Gun Monitors* by Ian Buxton, which covers the design, construction & operations of all the monitors from 1914 to 1945.
8. While every effort has been made to ensure as full an explanation as possible of the parts included in this set & their assembly to the relevant kit, sometimes one or two items may appear to get overlooked. If there are no assembly diagrams in the main part of the instructions, then there should be a text explanation in the other instructions section or a location of parts provided in the parts list. If there is still difficulty in establishing how a part is assembled or located on the kit, contact White Ensign Models & we will be pleased to help resolve the problem.



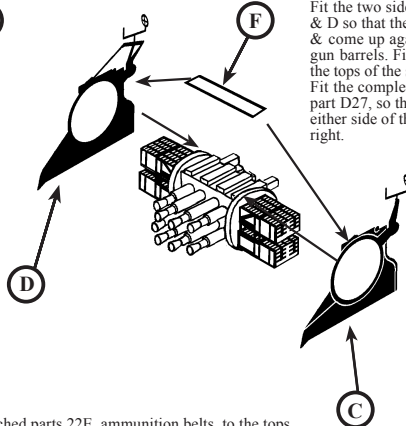
- |  |                                    |   |
|--|------------------------------------|---|
| 1. Railings (Foc'sle)                            | 22. 8-Barrelled Pom-Pom Fittings   | 43. 32' Cutter Thwarts & Rudders            |
| 2. Railings (Aft Boat Deck)                      | 23. Signal Flag Stowage            | 44. 30' Gig Thwarts & Rudder                |
| 3. Railings (Replacement PE A1)                  | 24. DF Loop Antenna                | 45. 27' Whaler Thwarts & Rudders            |
| 4. Railings (Replacement PE C4)                  | 25. Foretop Wire Antenna Brackets  | 46. Mainmast Starfish Assembly              |
| 5. Railings (Midships Deck Forward)              | 26. 27' Whaler Cradles             | 47. Searchlight Lens Crosses                |
| 6. Railings (Midships Deck Aft)                  | 27. 25' Motor Boat Cradles         | 48. Funnel Cap Grille                       |
| 7. Railings (Replacement PE C1/C2)               | 28. 32' Cutter Cradles             | 49. Foremast Top Platform                   |
| 8. Railings (Replacement PE C13/C14)             | 29. 30' Gig Cradles                | 50. Mainmast Top Platform                   |
| 9. Railings (Replacement PE C10)                 | 30. Mainmast Diamond Antenna       | 51. Mainmast Yardarm                        |
| 10. Railings (4-Barrelled Pom-Pom)               | 31. Loading Davits                 | 52. 281 Radar Antenna                       |
| 11. 4-Barrelled Pom-Pom Details                  | 32. 20mm Twin Oerlikons            | 53. 281 Radar Mounting Pole                 |
| 12. Railings (Replacement PE C6)                 | 33. Bow Paravane Crane Jib         | 54. 285 Radar Yagi Antenna                  |
| 13. Railings (Mainmast Starfish)                 | 34. Spotting Top Roof Array        | 55. Anchor Chain                            |
| 14. Railings (Replacement PE C7)                 | 35. Foremast Starfish Assembly     | 56. Foremast Yardarm                        |
| 15. Railings (Radar Lantern Platform)            | 36. Mainmast ECM Antenna           | 57. Hawser Reels                            |
| 16. Railings (Replacement PE C8/C9)              | 37. Accommodation Ladder Handrails | 58. 282 Radar Yagi Antennas                 |
| 17. Inclined Ladder (Auxiliary Combing Platform) | 38. Accommodation Ladder Steps     | 59. Inclined Ladders (Lower Superstructure) |
| 18. 4" HA/LA Gun Enclosure (Forward)             | 39. 25' Motor Boat Fittings        | 60. Inclined Ladders (Bridge Rear)          |
| 19. Bow Boom Spacer Frame                        | 40. Stern Boat Boom                | 61. Signal Lamps                            |
| 20. 4" HA/LA Gun Enclosure (Aft)                 | 41. Radar Lantern Base             | 62. Paravane Parts                          |
| 21. Bridge Side Wire Antenna Attachments         | 42. Radar Lantern Assembly         | 63. Vertical Ladder Stock                   |



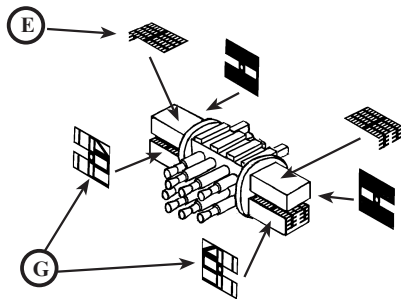
## 8-BARRELLED POM-POM ASSEMBLY



22



Fit the two side mounting frames, etched parts 22C & D so that the rings fit over the ammunition boxes & come up against the circular parts next to the gun barrels. Fit the spacer bar, etched part 22F, to the tops of the side frames.  
Fit the completed gun unit onto the base plate, kit part D27, so that the bottoms of the side frames fit either side of the spent ammunition chutes as shown right.

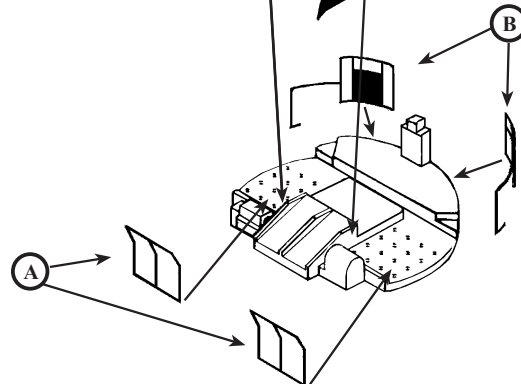


Fit etched parts 22E, ammunition belts, to the tops of the 4 ammunition boxes. Fold the ends of the ammo belts to 90° so that they fit over the ends of the boxes & give the impression of a full box.

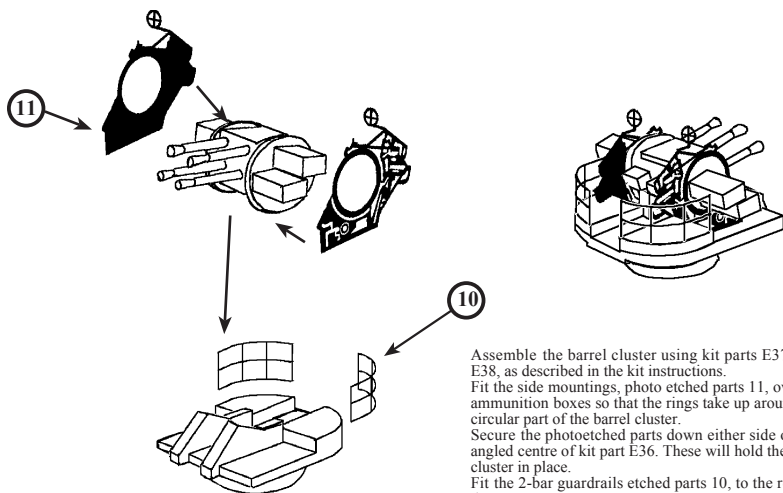
Fit the etched ammunition box sides to the front & back faces of the ammunition boxes.

Gently curve the rear guardrails, etched parts 22B, & fit the rear step on the base plate as shown. Angle the upper third of the front guardrails, etched parts 22A, outwards as shown right, then fit to each side of the spent ammunition chute.

Use kit parts D28 & D29 to make the pom pom barrel assembly as per kit instructions.

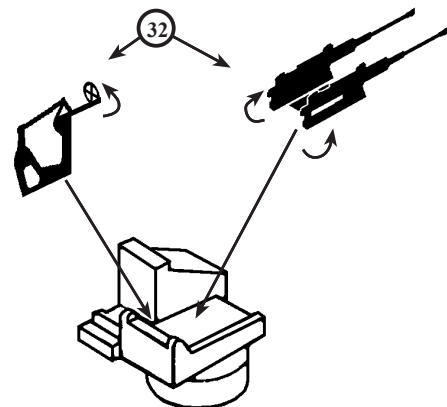


## 4-BARRELLED POM-POM ASSEMBLY



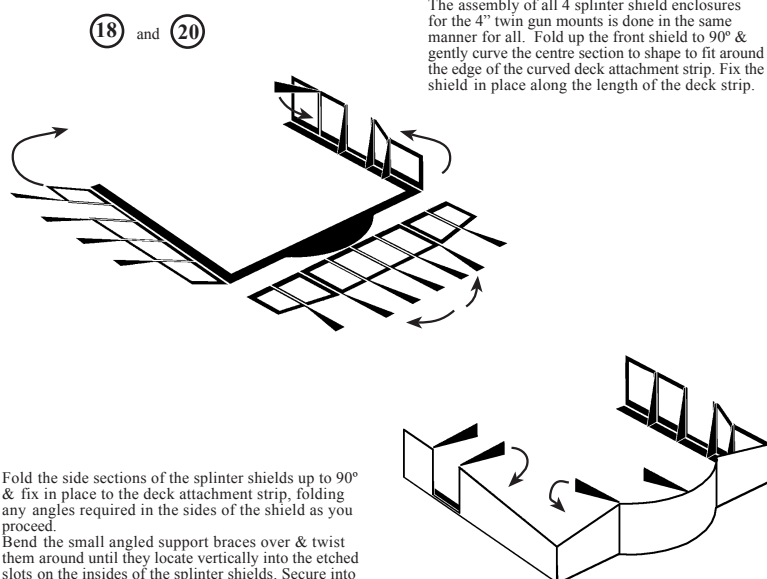
Assemble the barrel cluster using kit parts E37 & E38, as described in the kit instructions. Fit the side mountings, photo etched parts 11, over the ammunition boxes so that the rings take up around the circular part of the barrel cluster. Secure the photoetched parts down either side of the angled centre of kit part E36. These will hold the barrel cluster in place. Fit the 2-bar guardrails etched parts 10, to the rear of the pom-pom mount. There are sufficient parts provided to make 2 gun mounts.

## 20mm OERLIKON MOUNTING DETAILS



Fold up the twin gun bodies on etched part 32 to 90° so that they are parallel as shown above, then fit to the gun mount, kit part E10 in place of kit part E19. Fit the gun sight mechanism to the rear of the shield box as shown.

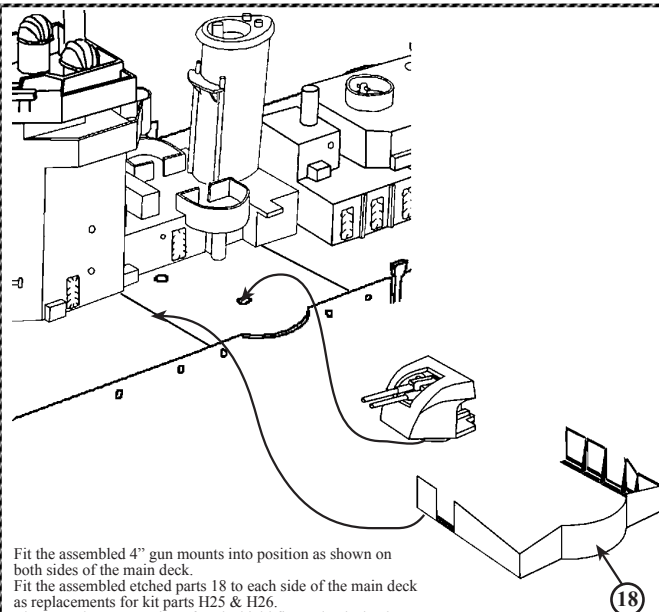
## 4" GUN MOUNT ENCLOSURES



The assembly of all 4 splinter shield enclosures for the 4" twin gun mounts is done in the same manner for all. Fold up the front shield to 90° & gently curve the centre section to shape to fit around the edge of the curved deck attachment strip. Fix the shield in place along the length of the deck strip.

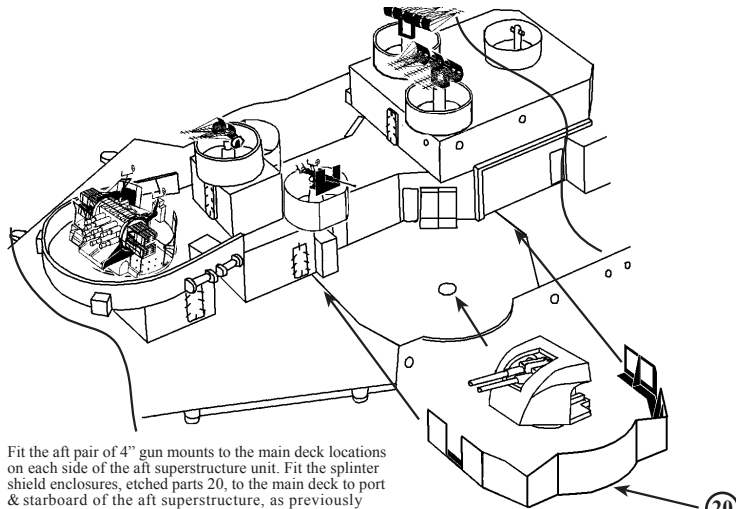
Fold the side sections of the splinter shields up to 90° & fix in place to the deck attachment strip, folding any angles required in the sides of the shield as you proceed. Bend the small angled support braces over & twist them around until they locate vertically into the etched slots on the insides of the splinter shields. Secure into place. Make all 4 enclosures & use to replace the kit parts if desired.

## FORWARD 4" GUN LOCATION



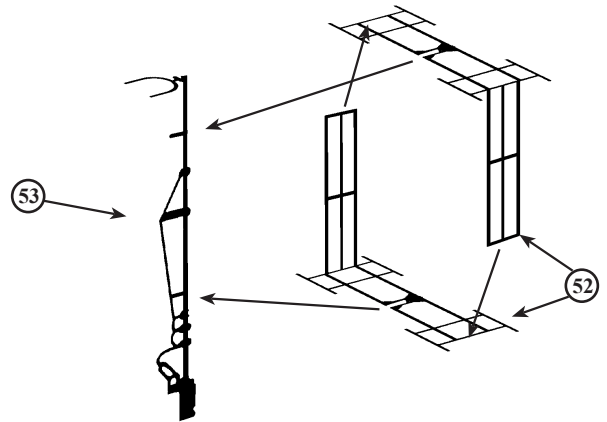
Fit the assembled 4" gun mounts into position as shown on both sides of the main deck. Fit the assembled etched parts 18 to each side of the main deck as replacements for kit parts H25 & H26. The curved centre section of each shield fits to the deck edge. Note: If there are any gaps between the inner edges of the shields & the superstructure, these can be filled by inserting a strip of plastic card into the gap.

## AFT 4" GUN LOCATION



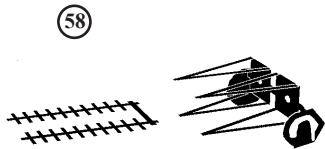
Fit the aft pair of 4" gun mounts to the main deck locations on each side of the aft superstructure unit. Fit the splinter shield enclosures, etched parts 20, to the main deck to port & starboard of the aft superstructure, as previously described for the forward gun positions, directly replacing kit parts H23 & H24.

## 281 AIR WARNING RADAR ANTENNA



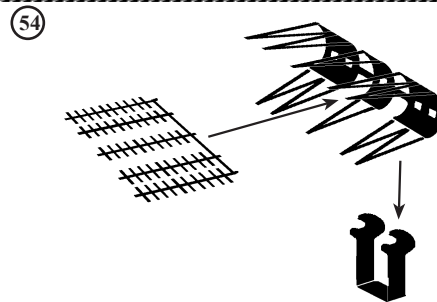
Fold the side frames of the antenna to 90° as shown above & attach the ends to the corresponding frame end, so that the two sets of dipoles are parallel top & bottom. Slide the slots in the top & bottom frames over the horizontal bars on the mounting pole & fix into place. Make 2 of these. Note that the foremost antenna does not have the horseshoe-shaped top antenna, so this must be removed from one of these.

## 282 RADAR YAGI ANTENNA



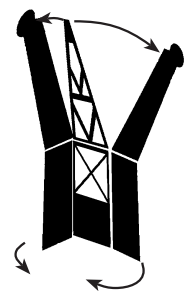
Assemble the 282 Yagi AA armament director base as supplied in the kit as parts E40 with PE-B23. Replace kit parts PE-A19/20 with the etched parts 58 supplied in this set. Ensure the points of part 58 are pinched together after the dipoles are fitted into place. Fold down the mounting plates each side into the position shown. Make 3 sets.

## 285 RADAR YAGI ANTENNA



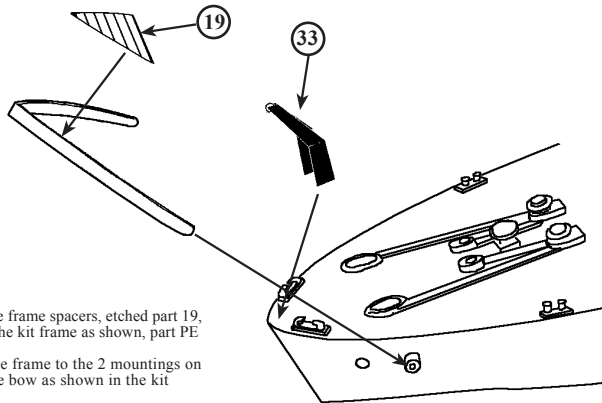
Assemble the 285 fire control antenna by folding a gentle curve onto the rectangular reflectors, then folding over the stays so that they face forward. Fit the set of dipoles centrally onto the reflector faces, locating the pegs into the slots. Nip the pointed ends of the stays together so that they trap the centre bar of the dipoles between them. Fit the mounting arms to the spindles between the reflectors. Make 2 sets. The complete antennas then fit onto the top of the HACF directors, kit parts E18, so that the points face over the front of the directors. Use these to replace the kit PE parts shown in the kit instructions.

## BOW JIB ASSEMBLY



Fold the sides of the paravane crane jib around to 90° on each side of the lattice so that they are parallel, then angle the top lattice section so that the tops of the side plates fit into position along the edges. This assembly directly replaces the kit PE-A27, PE-B5 & PE-B10. PE-B19 may be used if desired.

## PARAVANE GANTRY ASSEMBLY



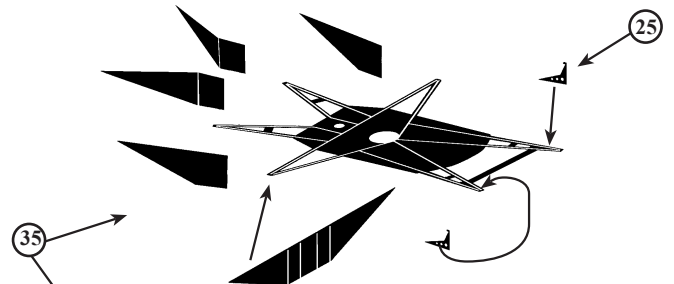
Fit the paravane frame spacers, etched part 19, to the apex of the kit frame as shown, part PE-A15.

Fit the paravane frame to the 2 mountings on each side of the bow as shown in the kit instructions.

Fit the paravane crane jib to the deck between the large fairleads.

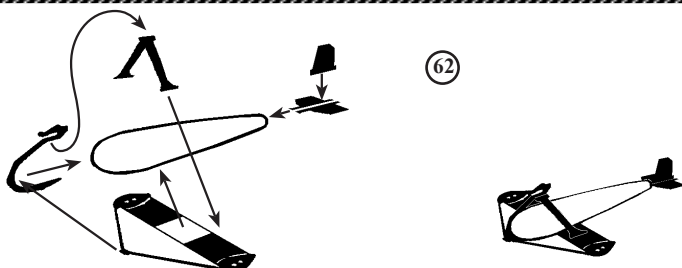
This assembly can be set into position & rigged by running a length of fine wire or stretched sprue between the top of the crane jib & the apex of the streaming frame.

## FOREMAST STARFISH ASSEMBLY

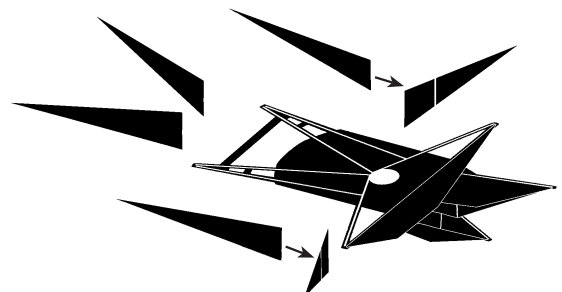


Assemble the foremast starfish, etched parts 35, by first fitting the main cross member to the etched line on the underside of the platform that runs spanwise, so that the 4 etched locating lines face to the rear of the platform. Fit the 4 rear support members so that they locate on the etched lines on the platform & on the main cross member. Two of the supports are angled by folding at the lines etched on each one of those parts.

## PARAVANE DETAILS



Assemble the FOUR paravanes using kit parts E14 as a basis to work from. Remove the molded details & replace with the etched parts 62 as shown above. These are fitted to the foc'sle deck, 2 in front & 2 aft of the breakwater. See the kit instructions for the correct location.



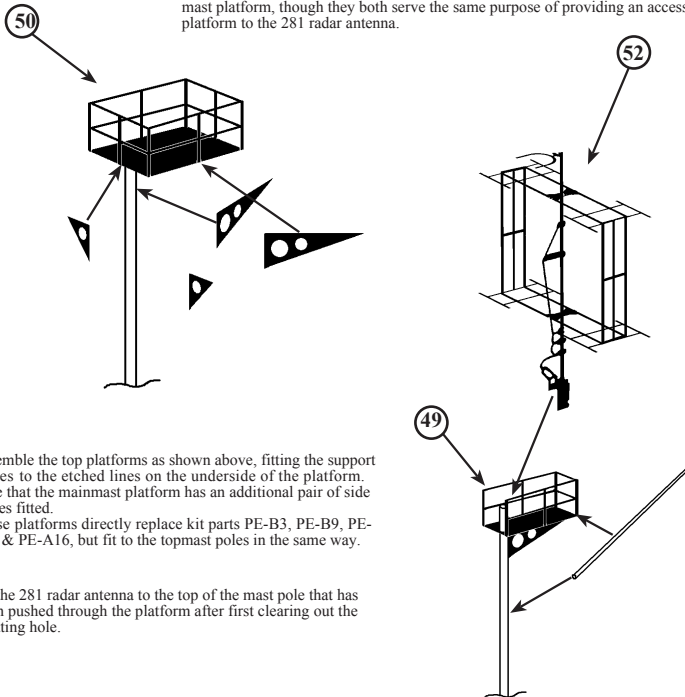
Fit the forward support members as shown above, to the lines etched on the underside of the starfish platform.

This assembly can now be used to replace the kit PE parts PE-A21, 24, 25 & PE-C40 as described in the kit instructions.

Fit the spotting top base part D3 in the same way as shown in the kit instructions, then build the spotting top as shown using the kit parts. Fit the completed assembly to the mast pole, kit part H2 locating the top of the pole to the relief-etched circle on the underside of the platform.

## TOPMAST PLATFORMS ASSEMBLY

Two types of topmast platform have been provided in this set, the mainmast & the foremast. The foremast top platform is slightly smaller than the mainmast platform, though they both serve the same purpose of providing an access platform to the 281 radar antenna.

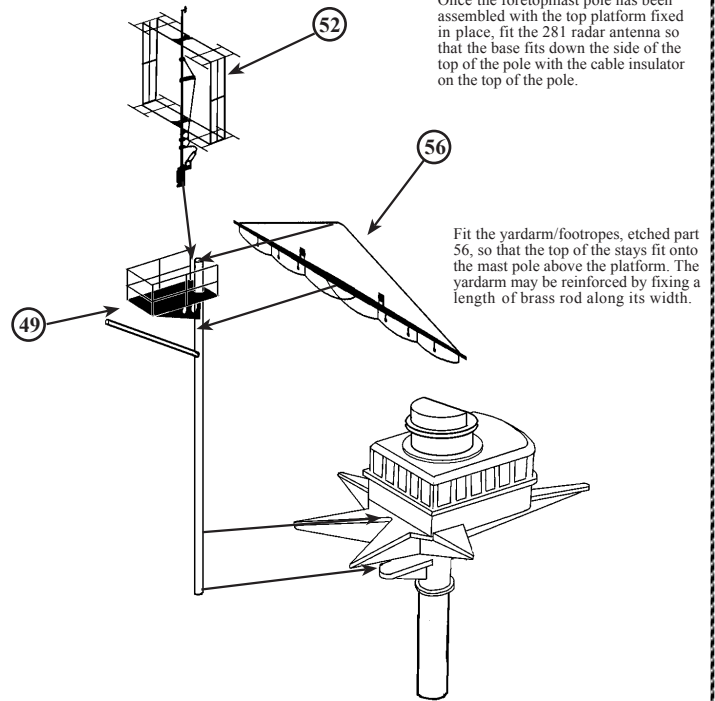


Assemble the top platforms as shown above, fitting the support braces to the etched lines on the underside of the platform. Note that the mainmast platform has an additional pair of side braces fitted.

These platforms directly replace kit parts PE-B3, PE-B9, PE-B13 & PE-A16, but fit to the topmast poles in the same way.

Fit the 281 radar antenna to the top of the mast pole that has been pushed through the platform after first clearing out the locating hole.

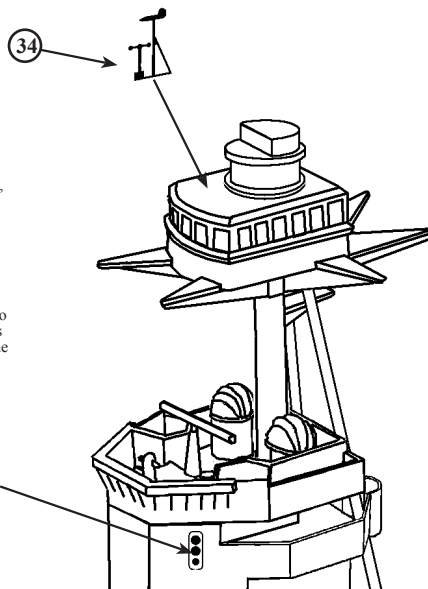
## FORETOPMAST ASSEMBLY



Once the foretopmast pole has been assembled with the top platform fixed in place, fit the 281 radar antenna so that the base fits down the side of the top of the pole with the cable insulator on the top of the pole.

Fit the yardarm/footropes, etched part 56, so that the top of the stays fit onto the mast pole above the platform. The yardarm may be reinforced by fixing a length of brass rod along its width.

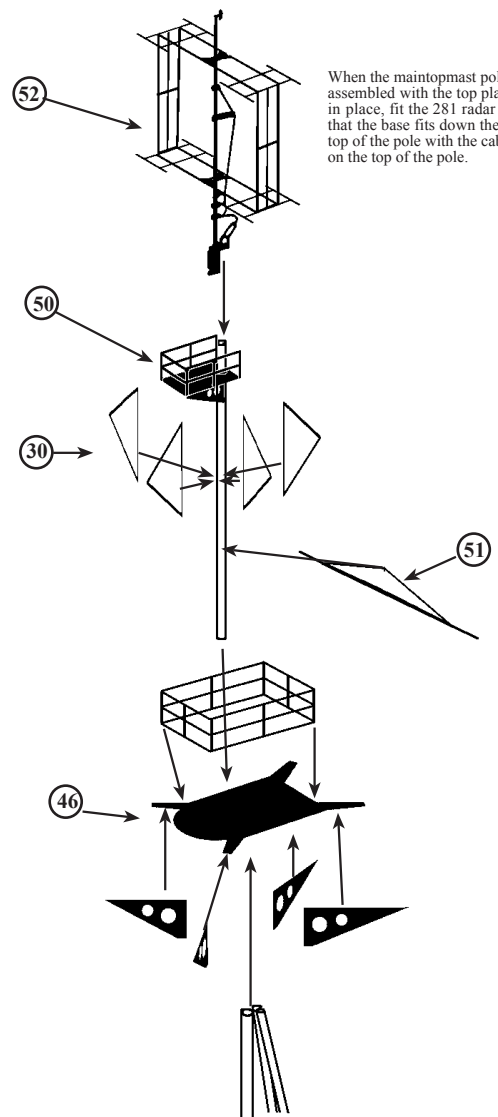
## FORETOP ANTENNAS



Fit the anemometer array, etched part 134, to the spotting top roof, forward of the main director and off-centre to starboard.

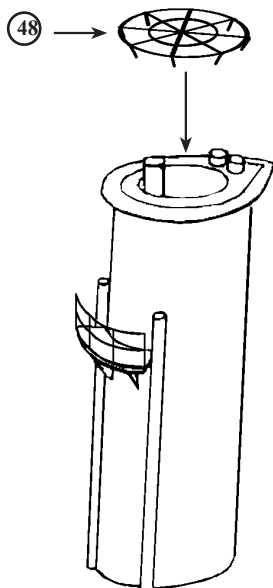
Fit the insulator plates, etched parts 21, to the sides of the bridge superstructure as shown. These are the anchor points for the lower ends of the wire antennas.

## MAINMAST ASSEMBLY



When the maintopmast pole has been assembled with the top platform fixed in place, fit the 281 radar antenna so that the base fits down the side of the top of the pole with the cable insulator on the top of the pole.

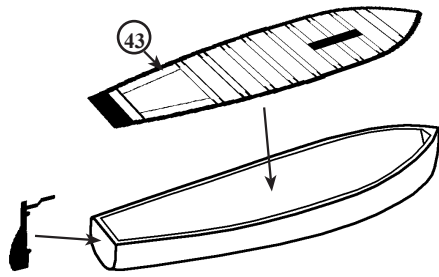
## FUNNEL DETAILS



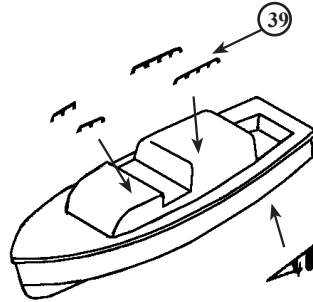
Fold down the attachment tabs on the funnel cap grille so that they are angled inwards slightly. Fit the funnel cap grille to the top of the funnel as shown. This etched part directly replaces the kit parts PE-B11 & PE-B12, & should be a bit easier to assemble.

Assemble the diamond-shaped DF antenna, etched parts 30, to the maintopmast pole. This is done by fixing the vertical bars onto the sides of the mast pole so that the points of the antenna face fore-and-aft & also 90° to each side. Assemble the mainmast platform as shown above, fitting the support braces to the underside, locating them into the etched lines. The mast top poles locate onto the relief-etched circles in the centre of the platform. Shape & fit the railing section, etched part 13 to the top surface of the mainmast starfish platform.

## BOAT FITTINGS ASSEMBLY

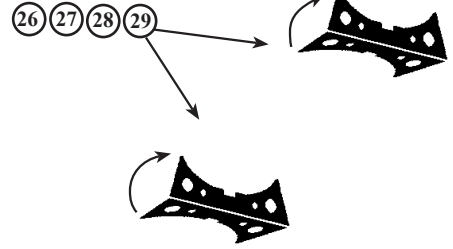


The fitting of the thwarts to the open boats is the same for all types. First remove & clean out the moulded details from the insides of the boats before fitting the etched metal thwarts as shown left. Fit the rudders to the stern. Oars may be placed inside the boats if desired. These are available on a separate set (PE 35159) available from White Ensign Models.



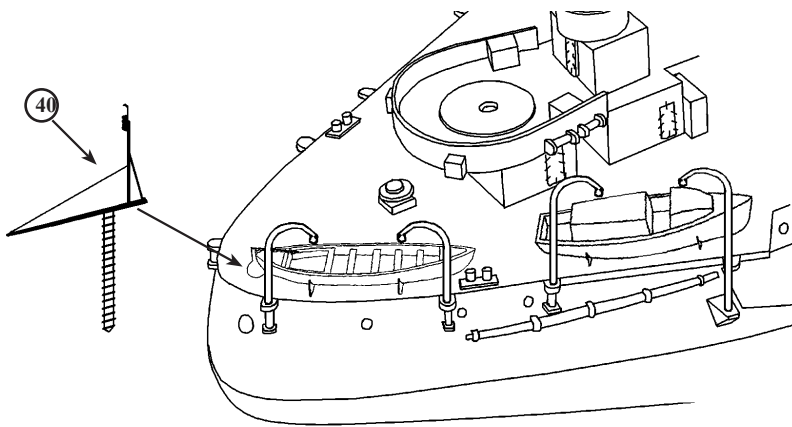
The details of the 25' Motor Boat are few & consist of a set of handrails that fit on the cabin roofs. The propeller/rudder unit fits to the hull bottom, which may need to be trimmed to get a snug fit of the etched part.

## BOAT CRADLE ASSEMBLY



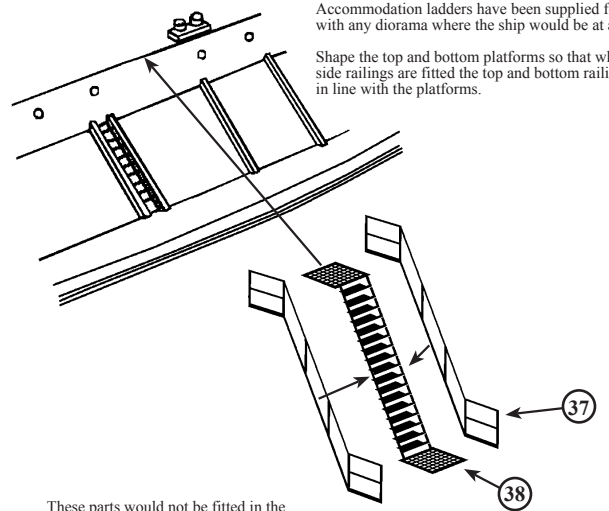
The boat cradles supplied on the photoetched set are assembled in the same manner for each type, in that they all fold in half so they are double-thickness. Ensure that any relief-etched detail is outermost when folding. Secure the two halves together. It is generally easier to fit the boat cradles to the bottom of the boats before fitting to the deck, rather than the other way round & this also gives more support to hold when painting the boats. To fit these in place, the moulded plastic boat cradles must first be removed from the rear section of the deck part of the kit.

## STERN DETAILS



Another aid to diorama building has been provided in the form of the aft boat boom assembly, etched part 40, which incorporates the ensign staff. This boom can be reinforced by fixing a length of plastic rod or stretched sprue along its length. The ensign staff may be separated from the boom & used on its own if desired.

## ACCOMMODATION LADDER ASSEMBLY

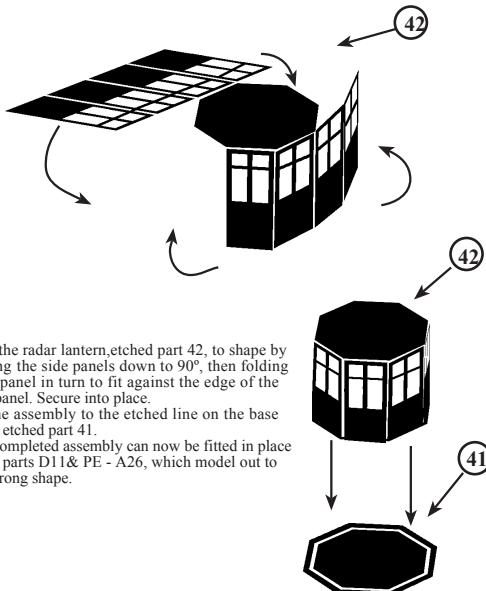


Accommodation ladders have been supplied for use with any diorama where the ship would be at anchor.

Shape the top and bottom platforms so that when the side railings are fitted the top and bottom railings fit in line with the platforms.

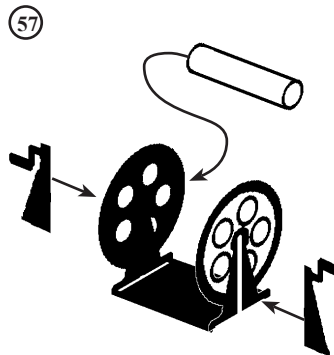
These parts would not be fitted in the deployed position if the ship is under way. These parts directly replace the PE parts in the kit's PE set.

## RADAR LANTERN ASSEMBLY



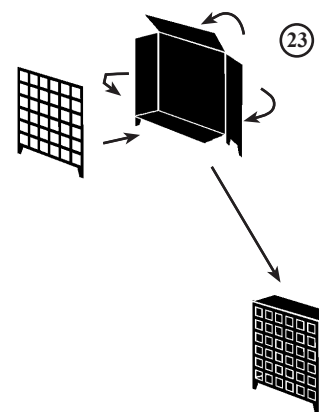
Fold the radar lantern, etched part 42, to shape by folding the side panels down to 90°, then folding each panel in turn to fit against the edge of the roof panel. Secure into place. Fit the assembly to the etched line on the base plate, etched part 41. The completed assembly can now be fitted in place of kit parts D11 & PE - A26, which model out to the wrong shape.

## CABLE REEL ASSEMBLY



The cable reels provided on the etched metal set are assembled by folding up the drum ends to 90° so that they are parallel, then fitting a length of plastic rod or sprue in between as the centre spindle. Fit the crank handles to each end as shown. The locations for these requires further research by the modeler.

## SIGNAL FLAG STOWAGE



Shape & fit the flag lockers, etched parts 23 as shown above. These were positioned on the signal deck, kit part H3, against rear bulkhead of the lower bridge facing aft.