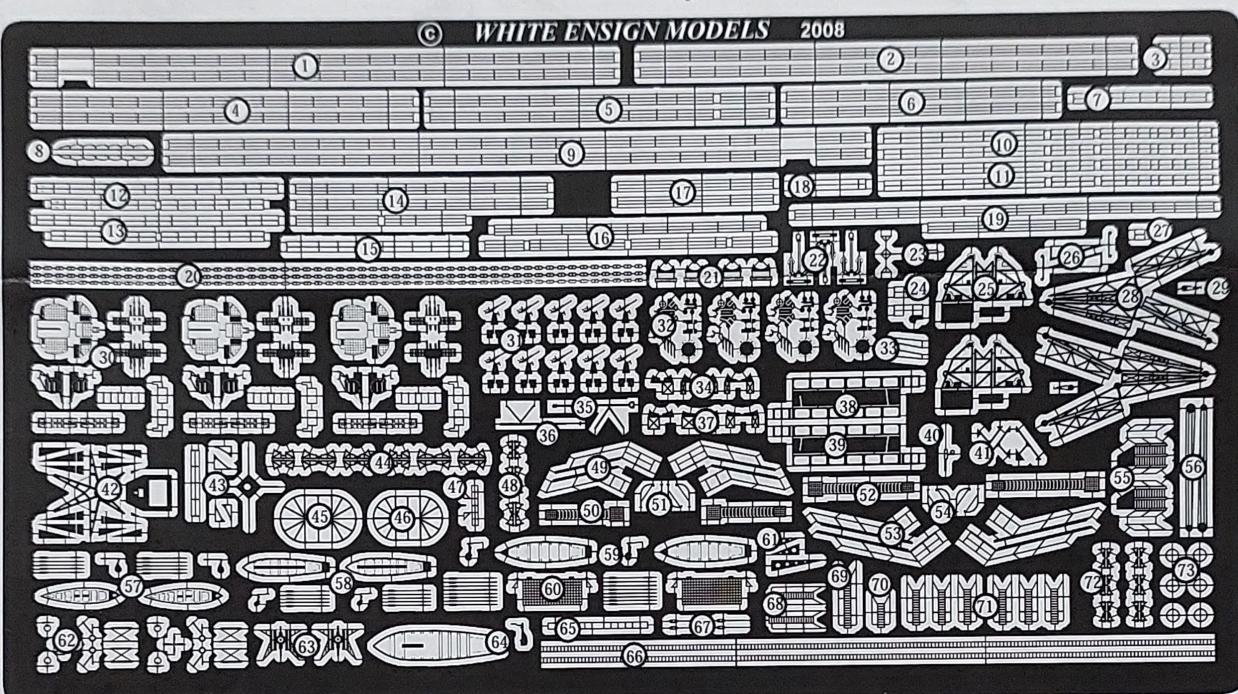


# WHITE ENSIGN MODELS

## HMS REPULSE

Photo etched details for the Tamiya Kit in 1/700 scale

PE780



### Parts List

- |   |  |   |
|---|--|---|
| 1. Railings (Bow Sections)                    | 26. Foretop Upper Yardarm Supports     | 51. Accommodation Ladder Davits               |
| 2. Railings (Fo'c'sle Sections)               | 27. Railing (Part B19)                 | 52. Forward Accommodation Ladder              |
| 3. Railings (Mainmast Starfish)               | 28. Main Crane Jib                     | 53. Forward Accommodation Ladder Handrails    |
| 4. Railings (Catapult Forward)                | 29. Crane Hooks                        | 54. Accommodation Ladder Davits               |
| 5. Railings (Catapult Aft)                    | 30. 8-Barrel Pom-Pom Assembly          | 55. Quarterdeck Officers' Stairs              |
| 6. Railings (Lower Forward Superstructure)    | 31. 20mm Single Oerlikons              | 56. Main Crane Rigging                        |
| 7. Railings (Part B43)                        | 32. Quad .5" MG Mountings              | 57. 27' Whaler Thwarts, Rudders and Oars      |
| 8. Foretop Yardarm Foot Ropes                 | 33. Main Director Arm Supports         | 58. 30' Gig Thwarts, Rudders and Oars         |
| 9. Railings (Quarterdeck Aft Sections)        | 34. Port Vent Box Boat Cradles         | 59. 32' Cutter Thwarts, Rudders and Oars      |
| 10. Railings (Upper Boat Deck Canvassed)      | 35. Jack Staff                         | 60. Sea Boat Embarkation Nets                 |
| 11. Railings (Upper Boat Deck Open)           | 36. Ensign Staff                       | 61. Crane Jib Stowage Cradle Supports         |
| 12. Railings (Flag Signal Deck Canvassed)     | 37. Starboard Vent Box Boat Cradles    | 62. Walrus Amphibian Fittings                 |
| 13. Railings (Flag Signal Deck Open)          | 38. Port Vent Box                      | 63. Walrus Amphibian Launch Cradles           |
| 14. Railings (Lower Boat Deck)                | 39. Starboard Vent Box                 | 64. 42' Launch Thwarts and Rudder             |
| 15. Railings (Part B31)                       | 40. Foretop Light & Antenna            | 65. Bridge Windows                            |
| 16. Railings (Lower Aft Superstructure)       | 41. Aft HACS Director Supports         | 66. Vertical Ladder Stock                     |
| 17. Railings (Forward Superstructure 02 Deck) | 42. Mainmast Starfish Assembly         | 67. Boat Davit Rigging                        |
| 18. Railings (Part B2)                        | 43. Mainmast Top Platform Assembly     | 68. Inclined Ladders (Midships)               |
| 19. Railings (Upper Aft Superstructure)       | 44. Upper Boat Deck Outer Cradles      | 69. Inclined Ladder (Flag Signal Deck/Bridge) |
| 20. Anchor Chain                              | 45. Forward Funnel Cap Grille          | 70. Inclined Ladder (Part B37)                |
| 21. 27' Whaler Cradles                        | 46. Aft Funnel Cap Grille              | 71. Inclined Ladders (Standard Length)        |
| 22. Anchors                                   | 47. Lower 284 Radar Antenna            | 72. 30' Gig Cradles                           |
| 23. Mainmast DF Antenna                       | 48. Upper Boat Deck Centre Cradles     | 73. Searchlight Lens Crosses                  |
| 24. Foretop Signal Platforms                  | 49. Aft Accommodation Ladder Handrails |   |
| 25. Crane Base Frame                          | 50. Aft Accommodation Ladder           |   |

### General Instructions for working with Photo Etched Metal

- 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.

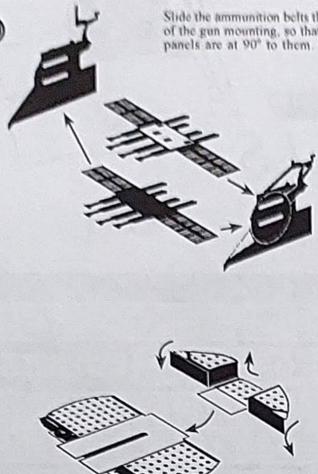
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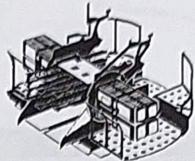
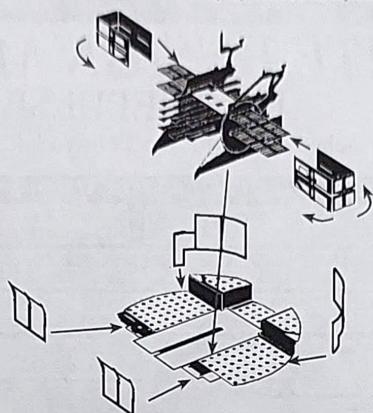
## 8-BARREL POM-POM ASSEMBLY

(30)



Slide the ammunition belts through the slots in the side panels of the gun mounting, so that they are horizontal and the side panels are at 90° to them. Fix into place with super glue.

Fold the sides of the ammunition trays around to 90° from the end plate, so that they are parallel, then fit to the ammunition belts on each side of the gun mounting, so that the ammunition belts sit just below the top edge of each of the tray sides.



Fold the rear footplate to the shape shown above, then slide the tab underneath the centre of the front footplate and secure into place.

Fit the gun mounting to the central area on the footplate so that the sides of the shell case chutes fit up to the perforated footplates. Gently curve the rear railings to fit around the raised parts of the footplates as shown left. Put a slight angle outwards to the tops of the front railings then fit to each side of the forward foot plate.

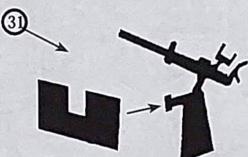
### 5 INCH QUAD MACHINE GUN



Assemble the 5" quad machine gun mounting as shown by folding the two sides of the base to 90° so that they are parallel. Fit the barrels and magazines by slotting them into the central plate. Fit completed assembly to the circular base plate. Make 4 of these for the kit.

(32)

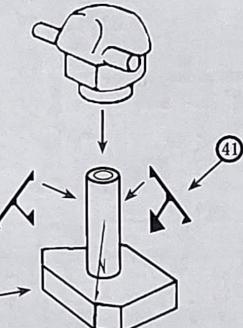
### 20mm OERLIKON



Assemble the 20mm mounting as shown above by fitting the gun pedestal onto the deck or in the gun tub at the required position and securing in place. Fit the rectangular gun shield into position on the lug on the gun pedestal.

(31)

### AFT DIRECTOR SUPPORTS

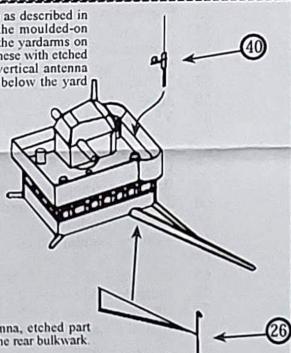


Fit the three support stays to the aft director pole, so that the single stay is aligned forward and the other two angle out to the rear. It may be required that there are small moulded plastic stays on the kit part, which will have to be carefully removed with a sharp knife.

Kit Part B15

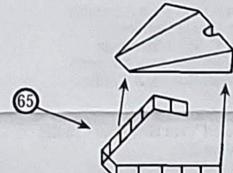
### FORETOP DETAILS

Assemble the foretop as described in the kit, but remove the moulded-on lower supports from the yardsarms on kit part B1. Replace these with etched parts 26 so that the vertical antenna protrudes above and below the yard arm.



Fit the foretop antenna, etched part 40, centrally inside the rear bulkwark.

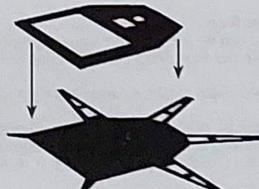
### BRIDGE WINDOWS



Completely remove the lower part of kit part B42 so that you are left with just the roof part. Fold etched part 65, Bridge Windows, to shape to fit around the under side edge of the roof as shown above. Fit into place as per the kit instructions.

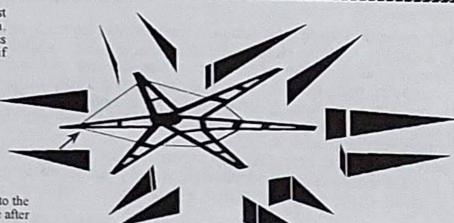
### MAINMAST STARFISH ASSEMBLY

(42)



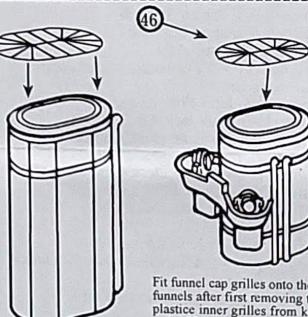
Fit the upper and lower plates of the mainmast starfish together and secure into position. Kit part B2 may be fitted to the etched recess on the upper plate as it would have been if used with the kit parts.

Shape and fit the angled support brackets to the underside of the starfish. This is better done after the starfish has been fitted into place on the top of the lower mast, kit part B32. This assembly directly replaces the kit part B30.



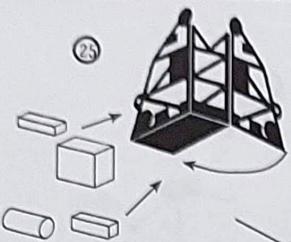
Fit funnel cap grilles onto the tops of the funnels after first removing the moulded plastic inner grilles from kit parts A12 and A13. The etched grilles can be dished before fitting, to give a convex appearance.

### FUNNEL CAP GRILLES



Fit funnel cap grilles onto the tops of the funnels after first removing the moulded plastic inner grilles from kit parts A12 and A13. The etched grilles can be dished before fitting, to give a convex appearance.

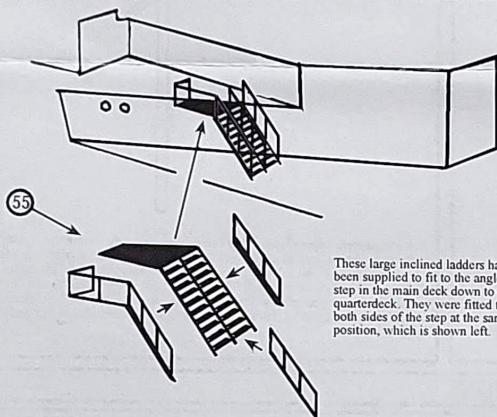
### CRANE BASE ASSEMBLY



Fold the sides and baseplate to 90° as shown left and secure into position.  
Fit the small platform to the left side of the crane base.

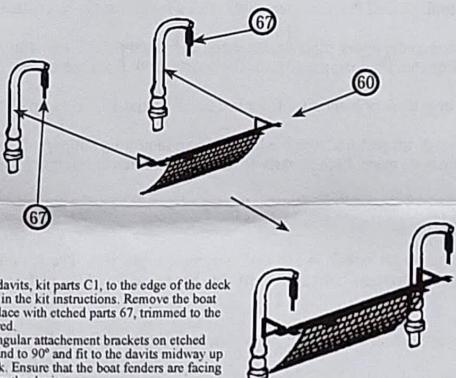
Cut rectangles out of plastic card and strip to match the shapes of the relief-etched cabin and machinery parts on both sides of the crane base. Fit these plastic parts to span across between the relief-etched sections giving a better 3D effect.

### QUARTER DECK OFFICERS' LADDERS



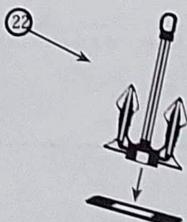
These large inclined ladders have been supplied to fit to the angled step in the main deck down to the quarterdeck. They were fitted to both sides of the step at the same position, which is shown left.

### BOAT DAVIT SCRAMBLE NETS



Fit the boat davits, kit parts C1, to the edge of the deck as described in the kit instructions. Remove the boat falls and replace with etched parts 67, trimmed to the length required.  
Fold the triangular attachment brackets on etched parts 60 around to 90° and fit to the davits midway up from the deck. Ensure that the boat fenders are facing out away from the davits.  
Gently curve the embarkation nets so that the lower edge rest comfortably on the main deck.

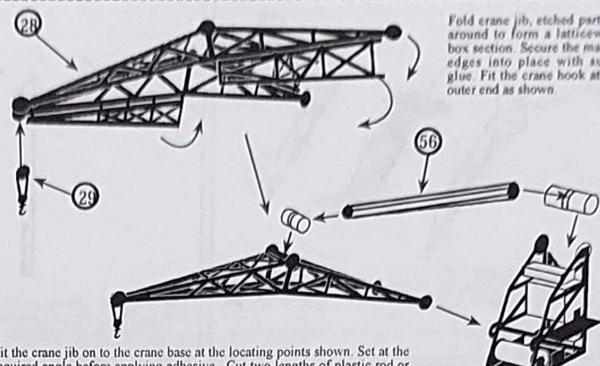
### ANCHOR ASSEMBLY



Although the anchors provided in the kit are of reasonable quality, replacements for these have been supplied in etched parts 22.  
These are simply assembled by inserting the lug on the base of the anchor through the slot in the tripping plate.

Three anchors have been supplied in this set as there were three shipped aboard at an earlier date at which this kit may be modelled.

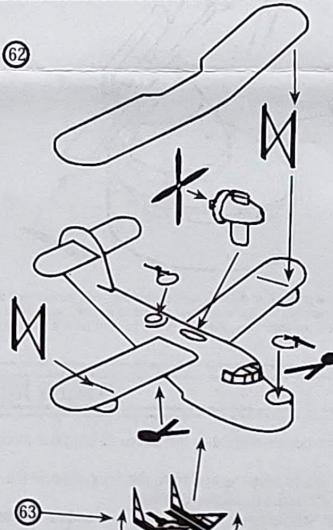
### CRANE JIB ASSEMBLY



Fold crane jib, etched part 28, around to form a latticebox section. Secure the mating edges into place with super glue. Fit the crane hook at the outer end as shown.

Fit the crane jib on to the crane base at the locating points shown. Set at the required angle before applying adhesive. Cut two lengths of plastic rod or sprue to fit across the pulley points on the crane base and jib. Cut these in half again and fit on each side of the pulley wheels on etched parts 56. Fit in to position at the locating points on the jib and crane back and secure.

### SUPERMARINE WALRUS AMPHIBIAN



There are two Supermarine Walrus aircraft provided in this kit, therefore sufficient etched parts have been included in this set for both of them.  
Drill out the gunner's cockpits with a .75mm drill and fit the scarf rings and machine guns as shown.

Assemble the wings as shown including the struts and cross braces as shown.  
Fit the propeller to the spindle on the rear of the engine, kit part C18.  
Fit the land undercarriage in the folded state under the lower wings from the fuselage.  
Fold the catapult launch cradle, etched part 63, and attach to the underside of the aircraft.

The paint scheme for the Walrus at the time period depicted by the kit is as follows.

**Dark Slate Grey/Extra Dark Sea Grey Camouflage Pattern:**  
Upper surfaces of fuselage, tailplane and Upper wing only.

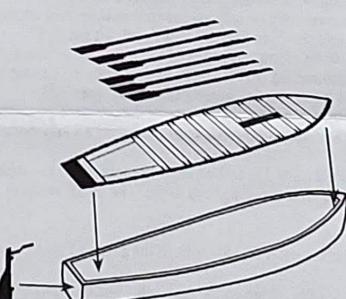
**Light Slate Grey/Dark Sea Grey Camouflage Pattern:**  
Upper surface of Lower wing only.

**Matt Sky Type S:**  
All under surfaces

**Matt Black:**  
Prop Blades, Wheels, Machine guns.

Use Colourcoats ACRN 01, 02, 03, 05, 06, and C 02.

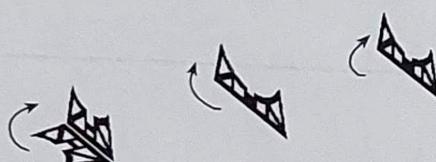
### OPEN BOAT ASSEMBLY



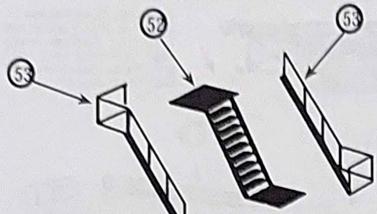
If it is desired to increase the amount of detail shown in the open boats, then etched parts have been provided to replace the thwart and fit rudders and oars onto the following boats:  
Etched parts 64 fit the 42' Launch, kit part B26.  
Etched parts 57 fit the 27' Whalers, kit parts C21.  
Etched parts 58 fit the 30' Gigs, kit parts C22.  
Etched parts 59 fit the 32' Cutters, kit parts C23.  
The method of assembly shown left is similar for all the open boats apart from kit part B21 which is represented as stowed and covered.  
The moulded interior detail must be carefully removed before fitting the etched thwarts in to place.

### BOAT CRADLE ASSEMBLY

Boat cradles in this kit have been supplied as items moulded in plastic as part of the deck on which they stand. These can all be replaced using the various cradles supplied in this etched set, the locations for which are noted in the parts list on page one.  
All cradles are assembled in the same manner, by folding in half so that the relief-etched detail is outer most, and fixed in position. Some of the smaller cradles have baseplates onto which they are fixed after folding in half.  
Remove the moulded plastic cradles from the kit parts before attempting to fit the etched metal items.

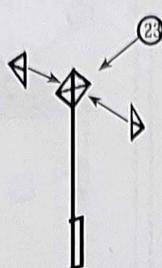


### ACCOMMODATION LADDERS



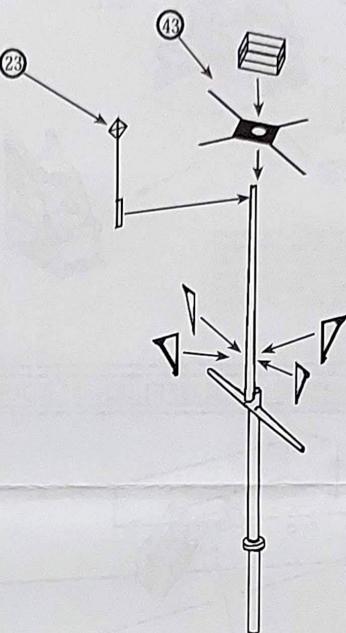
If the model is to be displayed at anchor the accommodation ladders will need to be deployed. These are simply assembled as shown above and because they are hinged in pairs, may be fitted to either or both sides of the hull. Deployment davits 54 are also provided for extra detail when fitting.

### HF ANTENNA ASSEMBLY



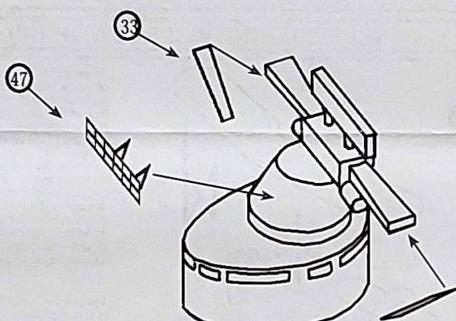
Assemble the HF antenna so that the small side dipoles are fixed at 90° to the main diamond shaped part, forming a cross when viewed from above.

### MAINMAST UPPER PLATFORM



A replacement upper platform has been supplied for the mainmast to complement the replacement starfish platform. First remove the moulded plastic platform and yardarm from kit part B32 and smooth the remaining mast pole. Fit etched part 43 so that the mast pole passes up through the hole in the platform. Fit the support brackets to the upper mast pole so that the top edge fits against the underside of the platform. Shape and fit the railing. Fit the antenna assembly, etched part 23 to the top of the mast.

### 284 RADAR ANTENNA & DIRECTOR ARM SUPPORTS



Fit the range finder arm supports, etched parts 33, to the underside of each arm, with the narrower end inwards. Fold the mounting brackets on etched part 47, 284 Radar Antenna, around so that they are at 90° to the antenna and to the rear as shown above. Fit the antenna to the front of the forward main director, kit part B27.

### OTHER INSTRUCTIONS

- Sufficient railings of all types have been supplied in this set to fit out your model and all are tailored to fit specific areas of deck edges or platforms. The locations of these are as follows :-  
Etched parts 1 are the forward fo'c'sle sections and fit to the deck edge so that the large openings fit over the large fairleads/chocks at the bow. Etched parts 2 join on to these and carry the railing run aft to the midships gun tub.  
Etched parts 3 fit to the Mainmast Starfish platform, running fore and aft on each side. Etched parts 4 are the railing sections that run along the main deck edge from the midships gun tub to the catapult. Etched parts 5 continue the run from the aft side of the catapult around the deck step angle with a break for the large quarterdeck ladders.  
Etched parts 6 run along the deck edge of the forward superstructure, kit part A6, from the barbette to the upper superstructure angle. Etched parts 7 fits around the rear of the upper superstructure deckhouse, kit part B43. Etched parts 9 are the long sections of railing that fit along the edge of the quarterdeck from the hull step to the stern, with the large openings fitting over the aft pair of fairleads/chocks.  
Etched parts 10 and 11 are alternative open or canvas-covered railings that fit around the upper boat deck or hangar roof. Etched parts 12 and 13 are again alternative open or canvas covered to fit around the Flag Signal Deck level, kit part B37.  
Etched parts 14 are open railings to fit along the edges of the lower boat deck which is the aft part of kit part A6 from the forward gun mounting support aft to the side of the boats. Etched part 15 fits around kit part B31 after first removing the moulded bulwark from its place. Etched parts 16 are open railings tailored in small sections to fit around the edges of the lower aft superstructure, kit part B29.  
Etched parts 17 fit the forward edges of kit part A7 between the forward gun positions. Etched part 18 shapes to fit around the top of part B2 on the mainmast starfish platform. Etched parts 19 fit around the edges of the upper aft superstructure, kit part B45.
- Two small lookout platforms, etched parts 24, can be used to replace the moulded plastic platforms on kit parts B34 and B35, forecastle tripod legs. The moulded plastic legs will have to be removed first using a sharp knife. The small sections of railing on the replacement parts fold to fit the shape of edge of the platform up to the tripod leg.
- A selection of inclined ladders, etched parts 68 to 71, fit in the place of those moulded onto kit parts and are located in the positions given in the parts list.
- A set of footropes, etched parts 8, can be fitted to the undersides of the yardarms on kit part B3.
- Searchlight lens crosses, etched parts 73, can be used to enhance the searchlights, kit parts C36. The frontal centres of the kit parts should first be drilled out to a diameter slightly less than that of the searchlight body. The lens cross is then fitted in place over the opening and glazed with clear fix or some similar medium.
- Etched parts 61 are replacement support brackets that fit under the hangar roof overhang, at the rear of kit part A7. These directly replace the moulded plastic items which should be removed.
- A recommended reference for further researching your model is Profile Morskie No4 *HMS REPULSE* which provides plans and profiles as well as a colour guide. The text is in Polish but not a problem. The main source of reference (if one can be obtained) is *British Battleships of World War 2* by Raven and Roberts which gives excellent plans and profiles of all upper decks and equipment layouts.