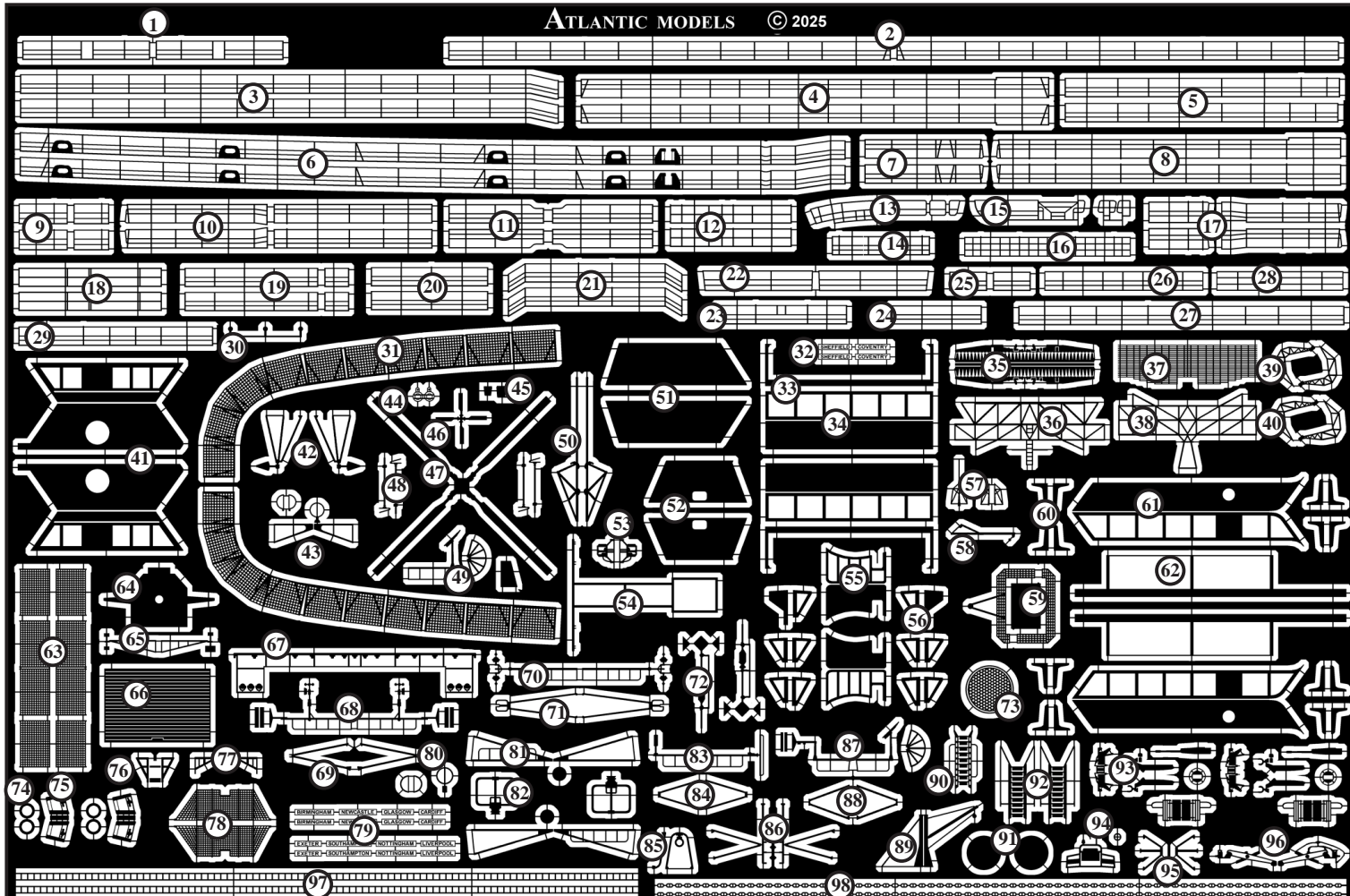


# Royal Navy Type 42 Destroyer Batch 1 & 2

Photo-etched detail set to fit one of the  
Foreart kits in 1/350 Scale

## Parts List

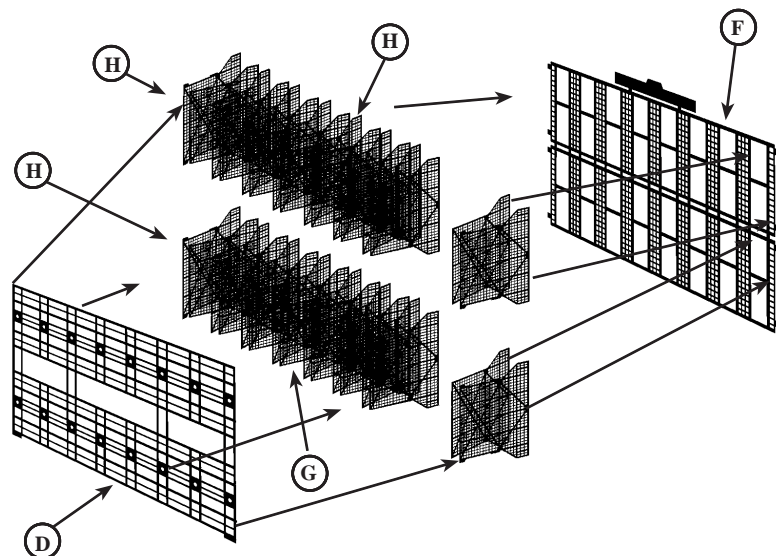
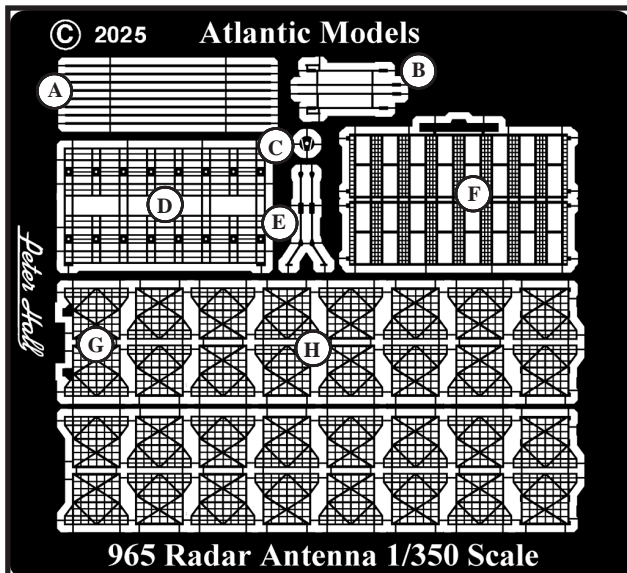


Type 42 Destroyers Batch 1 & 2 1/350 Scale

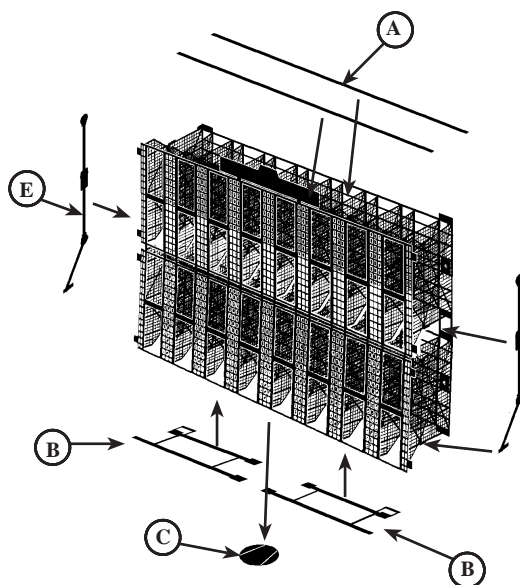
- |                                    |   |                                     |  |
|------------------------------------|---|-------------------------------------|--|
| 1. Railings (Funnel Deck)          | 25. Railings (ConeAntenna Platforms)    | 50. Main Mast Lower RAS Frames      | 75. Life Ring Ejector Frame            |
| 2. Railings (Main Deck Aft)        | 26. Railings (992 Radar Platform Lower) | 51. Fwd Deck Extension Supports     | 76. Bridge Front Sensor Brackets       |
| 3. Railings (Main Deck Midships)   | 27. Railings (Aft Deck House Stbd Fwd)  | 52. Aft Deck Extension Supports     | 77. Aft Sensor Bracket                 |
| 4. Railings (Boat Decks Sheffield) | 28. Railings (992 Radar Platform Upper) | 53. Main Mast Wire Aerial Terminals | 78. Fwd 20mm Oerlikon Safety Nets      |
| 5. Railings (Hangar Roof)          | 29. Railings (Aft Deck House Port Fwd)  | 54. Main Mast Aerial Spreader       | 79. Ships Name Plates                  |
| 6. Railings (Fo'c'sle)             | 30. 996 Radar Antenna Top Ears          | 55. Funnel Whip Aerial Platforms    | 80. HF/DF Antenna (1022 Catwalk)       |
| 7. Railings (STWS Deck)            | 31. Flight Deck Safety Nets (Lowered)   | 56. Funnel Platform Supports        | 81. Yardarms (Main Mast Bottom)        |
| 8. Railings (Boat Deck Coventry)   | 32. Ships Name Plates                   | 57. Fore Mast Top MF/DF Antenna     | 82. Bowman Antennas                    |
| 9. Railings (Phalanx Deck Fwd)     | 33. Fwd Life Raft Platform Supports     | 58. Fore Mast Gaff                  | 83. Yardarms (Main Mast Mid)           |
| 10. Railings (Phalanx Deck Aft)    | 34. Fwd Life Raft Platform              | 59. 1022 Radar Catwalk              | 84. Yardarm Stays (Main Mast Mid)      |
| 11. Railings (Bridge 20mm Deck)    | 35. 1022 Radar Dipole Array             | 60. Phalanx Deck Extension Brackets | 85. Glide Path Indicator Mounting      |
| 12. Railings (1022 Catwalk)        | 36. 1022 Radar Rear Frame               | 61. Phalanx Deck Extensions         | 86. Funnel Yardarms                    |
| 13. Railings (Quarterdeck Stbd)    | 37. 1022 Radar Mesh Screen              | 62. Phalanx Deck Supports           | 87. Yardarms (Main Mast Lower)         |
| 14. Railings (Aux Con Position)    | 38. 1022 Radar Forward Frame            | 63. 30mm Gun Deck Safety Nets       | 88. Yardarm Stays (Main Mast Lower)    |
| 15. Railings (Quarterdeck Port)    | 39. 1022 Radar Outer Mountings          | 64. 996 Radar Platform              | 89. Gemini Inflatable Crane            |
| 16. Railings (996 Radar Platform)  | 40. 1022 Radar Inner Mountings          | 65. 996 Radar Platform Yardarms     | 90. Inclined Ladder (Quarterdeck)      |
| 17. Railings (30mm Gun Decks)      | 41. CIWS Gun Deck Extensions            | 66. Hangar Roller Door              | 91. Funnel Badge Plates                |
| 18. Railings (Main Mast Base)      | 42. Fore Mast Yards (Fwd Quarters)      | 67. Approach Light Bar              | 92. Inclined Ladders (Fwd Superstruct) |
| 19. Railings (Bridge Roof Sides)   | 43. HF/DF Antenna Mounting              | 68. Yardarms (Fore Mast Sides)      | 93. 20mm GAMB01 Mountings              |
| 20. Railings (Engine Intake Boxes) | 44. Lynx Helicopter Tail Fold           | 69. Yardarm Stays (Fore Mast Sides) | 94. RHIB Roll Bar & Wheel              |
| 21. Railings (SCOT Platforms)      | 45. Lynx Helicopter Blade Aerials       | 70. Yardarms (Main Mast Upper)      | 95. Bridge Front Frames                |
| 22. Railings (Funnel Platforms)    | 46. Lynx Helicopter Tail Rotor          | 71. Yardarm Stays (Main Mast Upper) | 96. Decoy Crane                        |
| 23. Railings (Bridge Roof Front)   | 47. Lynx Helicopter Main Rotor          | 72. Dan Bouys                       | 97. Vertical Ladders Stock             |
| 24. Railings (Hangar Roof Centre)  | 48. Lynx Helicopter Blade Fold Poles    | 73. Flight Deck Hold Down Grid      | 98. Anchor Chain                       |
|                                    | 49. Main Mast Yard (Stbd Mid Alt)       | 74. Life Ring                       |  |

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. It is recommended 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. It is suggested that a No.10 rounded type of modelling knife blade is used 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 an Atlantic Models Folding Tool ATT 01 or ATT 02 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.

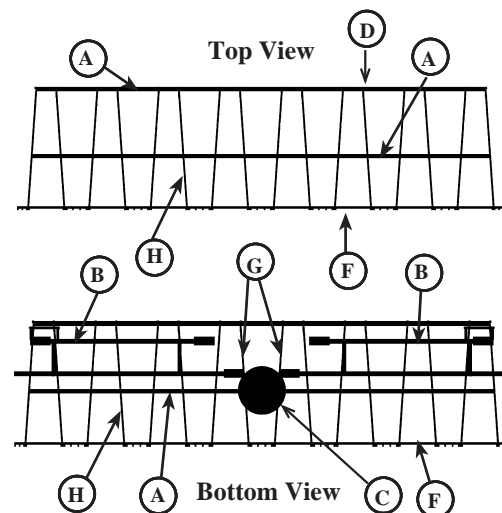
## 965 AKE-2 Double Bedstead Radar Antenna



To assemble the 965 Antenna, first fit the Mesh Screens, etched parts H to the vertical bars on the Front Face Plate, etched part F as shown above. Make sure that the Mesh Screens parts G fit to the central position of the lower row as they have the mounting base attachments fitted to them. Fit the Rear Face Plate, etched part D, to the rear of the mesh screens using the vertical bars as location points. Note that the mesh screens narrow together when viewed from above. See the diagram below.



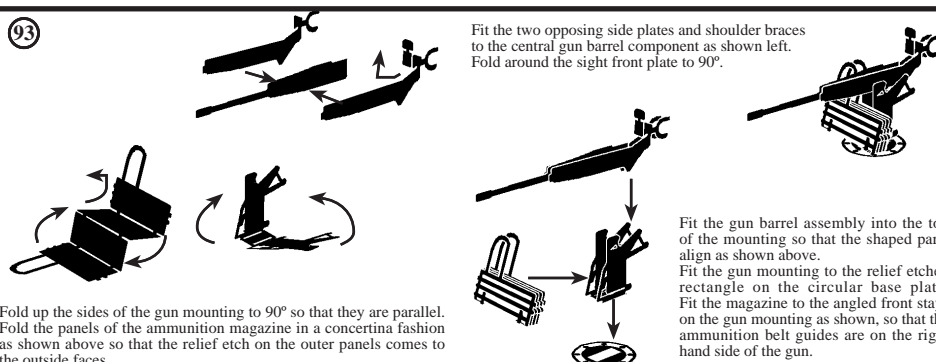
Fit Tie Bars, etched parts A across the top and bottom of the antenna as shown right. Fit the Counter Frames etched parts B, to the underside of the antenna. Fit the small mounting plate C, if desired, to the lugs on the centre mesh screens. Alternatively the lugs on the centre screens can be located over the spindle on top of the Radar House and secured in to place.



The above views show the alignment of the mesh screens in relation to the front and rear face plates. They also show the positions of the counter frames and the tie bars

## 20mm Oerlikon GAMBO1 Mounting Assembly

93



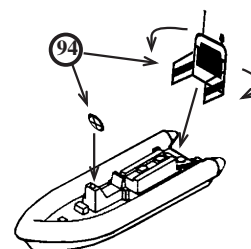
Fit the two opposing side plates and shoulder braces to the central gun barrel component as shown left. Fold around the sight front plate to 90°.

Fold up the sides of the gun mounting to 90° so that they are parallel. Fold the panels of the ammunition magazine in a concertina fashion as shown above so that the relief etch on the outer panels comes to the outside faces.

Fit the gun barrel assembly into the top of the mounting so that the shaped parts align as shown above. Fit the gun mounting to the relief etched rectangle on the circular base plate. Fit the magazine to the angled front stays on the gun mounting as shown, so that the ammunition belt guides are on the right hand side of the gun.

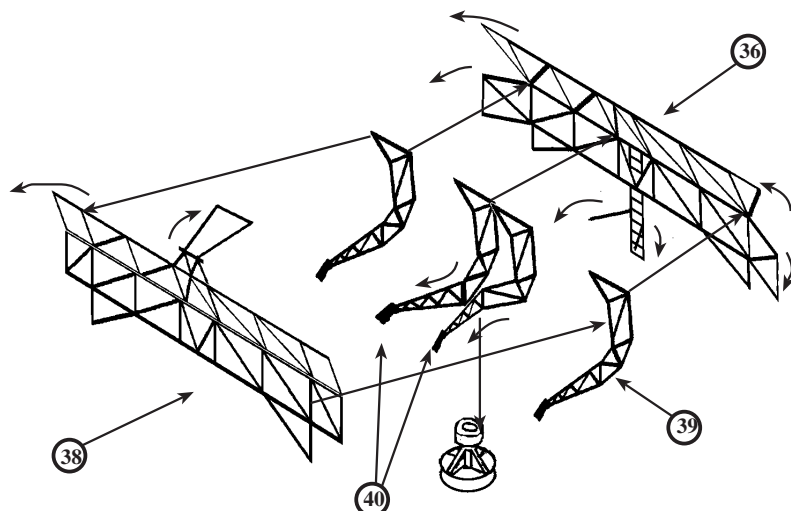
## Avon Sea Rider Sea Boat Fittings

94



Fold the side frames of the self righting gear, etched parts 94, to 90° so that they are parallel, then fit into the rear of the boat. Fit the steering wheel to the helm panel.

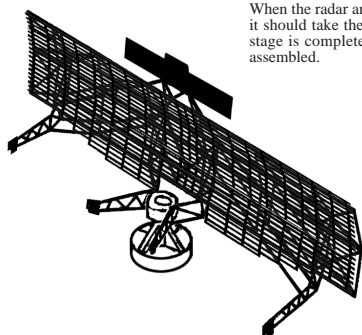
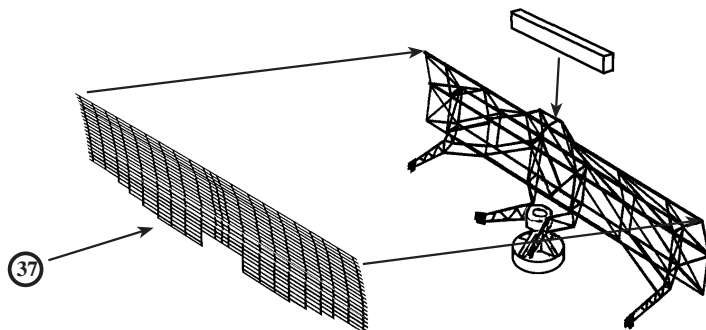
## 1022 Radar Antenna Assembly



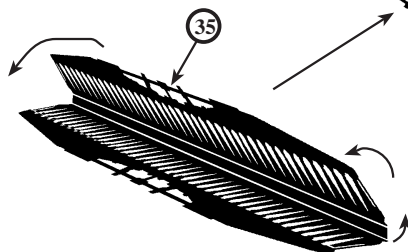
Fold the top section of the forward frame, etched part 38, forwards slightly, then fit the two frames 39 to the outer upright bars, so that the lower legs rest against the angled stay on the bottom of the frame.  
Fold the top of the rear frame, etched part 36, forwards slightly then fit to the rear of etched parts 39 and 40.  
Fold the end sections of the rear frame forward until they touch the outer uprights on the front frame. Secure them in place.  
The upper portion of the angular bracket on top of the forward frame folds rearwards and downwards until it attaches to the rear central horizontal bar on the rear frame. Secure this in to place.

Cut the circular mounting base from the kit part or make a similar item for use with this assembly. Fit the frames, etched parts 40 to each side of the circular boss on the plastic mounting, so that they are perfectly parallel. When secure bend the lower legs outwards as shown.

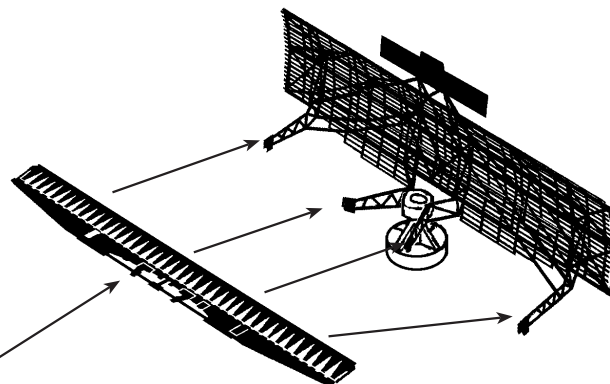
Gently curve the mesh screen, etched part 25, then fit in to place on the support frame assembly. The top edge of the mesh screen fits along the top edge of the support frame with the recess on the lower part fitting over the centre lattice legs.  
Fit the IFF transmitter, made from a strip of 40 thou. plastic strip, to the top of the central mounting frame.



When the radar antenna support frame and mesh screen are assembled, it should take the form as shown in the picture on the left. Once this stage is complete, the transmitter dipole array is the next part to be assembled.

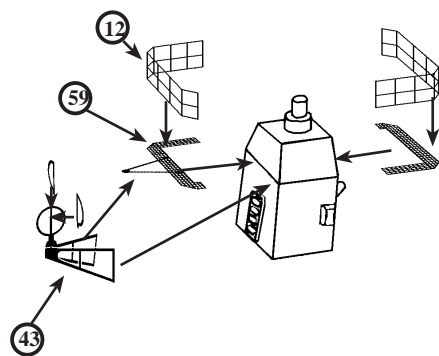


Fold the dipole array along the two etched lines so that the long thin strip is vertical and the two sets of horns are parallel. Bend the upper and lower rear halves outwards so that when the two halves are brought together they will meet flat at the rear, with the horns on the upper and lower half angled by the same amount up to the front strip.  
When complete secure the two rear halves together.



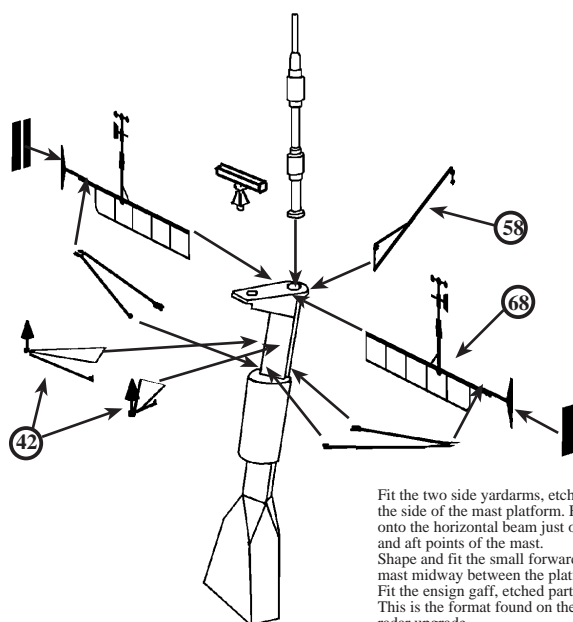
Fit the transmitter horn array on to the four lattice legs, so that is parallel to the mesh screen face.

## 1022 Mast and Fore Mast Assembly

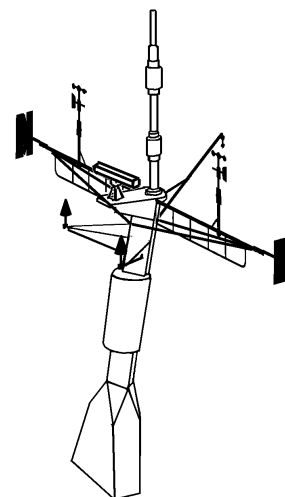


Fit the two part etched catwalk, part 59, so that the DF Antenna stays are forward.  
Shape and fit the railings etched parts 12 as shown and fit to the edges of the catwalk.  
Fold the DF Antenna yard in half until it is at the angle shown above, then fit into place to the undersides of the stays on the catwalk. Fit the two side sections of the DF aerial, to the central bar to make up the four section antenna.

The 1022 radar antenna base stub should be removed before this assembly takes place, and retained for use in the assembly of the radar antenna sequence.



Fit the two side yardarms, etched parts 68, so that the horizontal beam end fits against the side of the mast platform. Fit the yardarm stays so that the slot at the point fits onto the horizontal beam just outboard of the footbars. Fit the inner ends to the fore and aft points of the mast.  
Shape and fit the small forward yards, etched parts 42, to the forward faces of the mast midway between the platform and the absorbent shield panel.  
Fit the ensign gaff, etched part 58 to the rear of the mast as shown above left. This is the format found on the ships of the class after the mid life refit after the 1022 radar upgrade.

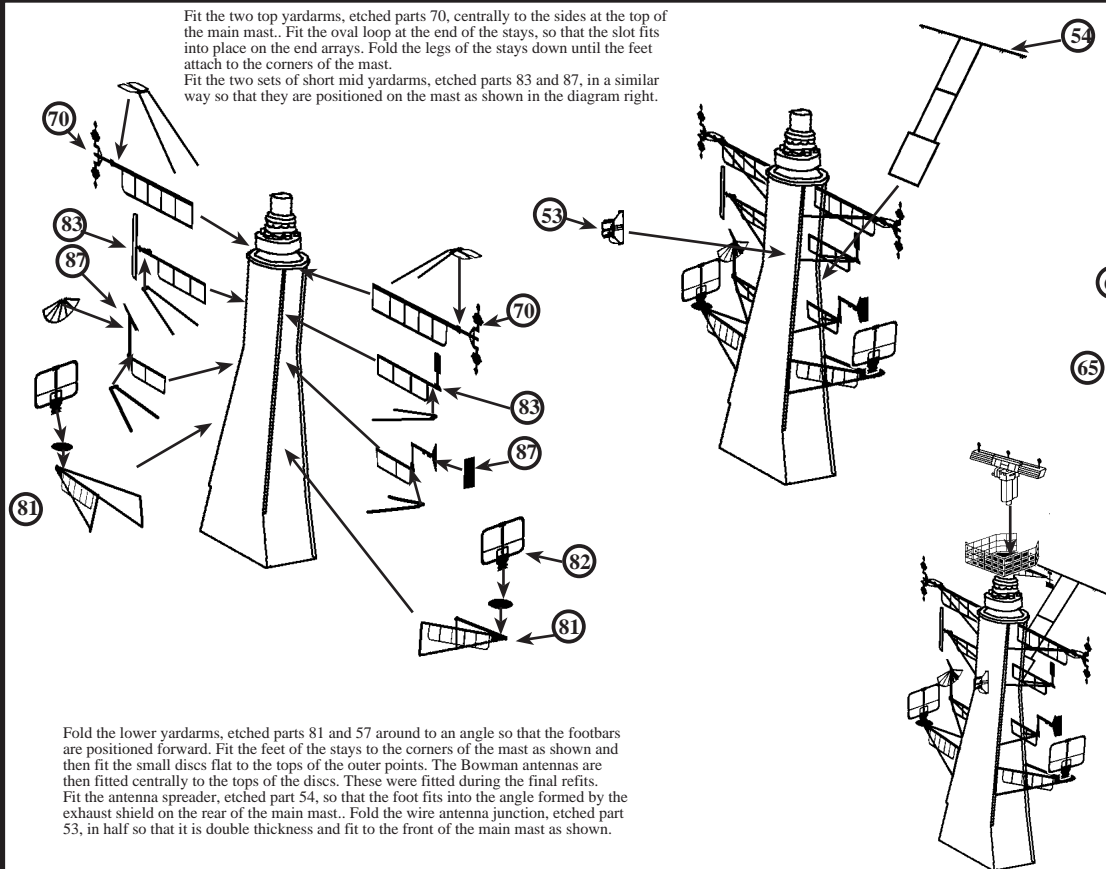




## Late Fit Main Mast and 996 Radar Antenna Assembly

Fit the two top yardarms, etched parts 70, centrally to the sides at the top of the main mast. Fit the oval loop at the end of the stays, so that the slot fits into place on the end arrays. Fold the legs of the stays down until the feet attach to the corners of the mast.

Fit the two sets of short mid yardarms, etched parts 83 and 87, in a similar way so that they are positioned on the mast as shown in the diagram right.



Fold the lower yardarms, etched parts 81 and 57 around to an angle so that the footbars are positioned forward. Fit the feet of the stays to the corners of the mast as shown and then fit the small discs flat to the tops of the outer points. The Bowman antennas are then fitted centrally to the tops of the discs. These were fitted during the final refits. Fit the antenna spreader, etched part 54, so that the foot fits into the angle formed by the exhaust shield on the rear of the main mast. Fold the wire antenna junction, etched part 53, in half so that it is double thickness and fit to the front of the main mast as shown.

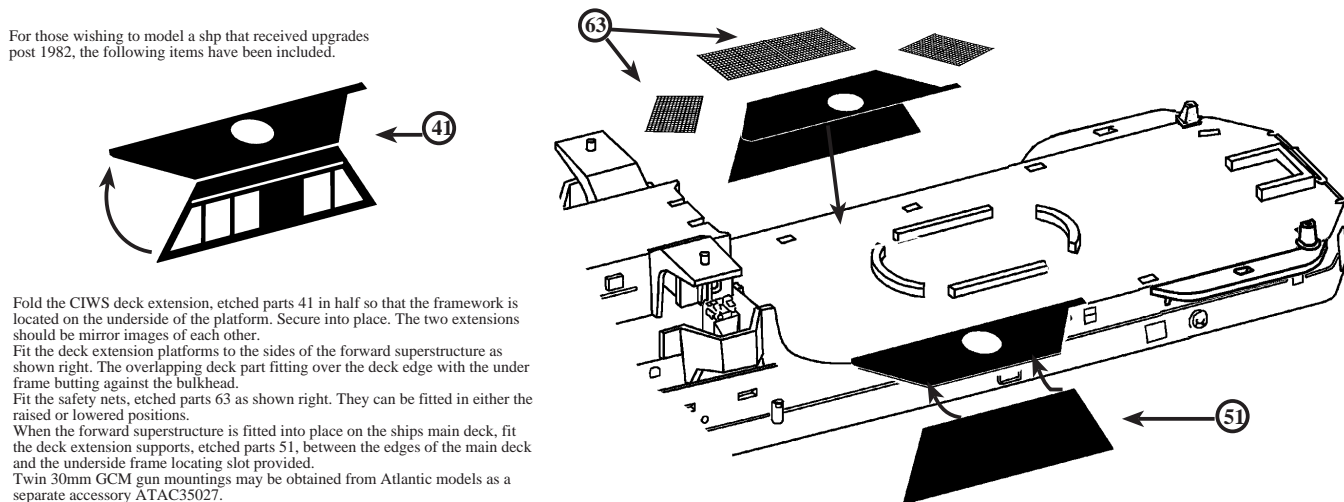
Fit the mast top 996 radar platform, etched part 64 to the top of the main mast UAA-1 Array, so that the holes line up, then locate the 996 radar antenna metal part, through the holes. Secure into place so that the yard extensions are side to side. Fit the small yardarms, etched parts 65, to the undersides of the platform extensions. Fit the antenna ears, etched part 30, centrally to the top of the 996 radar. Shape and fit the railings, etched part 16, around forward and side edges of the top platform.

Note: The 996 Radar antenna is available separately from Atlantic Models as ATAC35021 along with a Sky Watch radar antenna for the Bridge Roof.

These Main Mast yardarm sets have been included for those wishing to model their ship in a later fit than that portrayed in the kit parts. Only the upper yardarms were applicable in the earlier fit so some modification of the kits mast parts will be required if all the etched parts are to be fitted.

## CIWS Gun Deck Extension Assembly

For those wishing to model a ship that received upgrades post 1982, the following items have been included.



Fold the CIWS deck extension, etched parts 41 in half so that the framework is located on the underside of the platform. Secure into place. The two extensions should be mirror images of each other.

Fit the deck extension platforms to the sides of the forward superstructure as shown right. The overlapping deck part fitting over the deck edge with the under frame butting against the bulkhead.

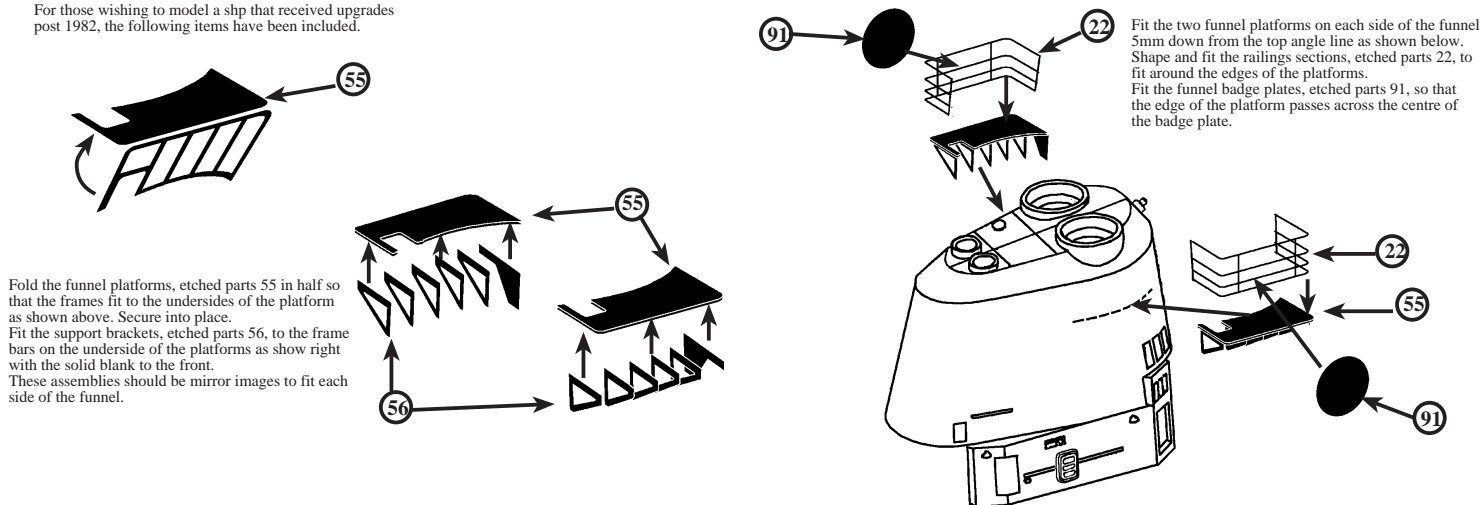
Fit the safety nets, etched parts 63 as shown right. They can be fitted in either the raised or lowered positions.

When the forward superstructure is fitted into place on the ship's main deck, fit the deck extension supports, etched parts 51, between the edges of the main deck and the underside frame locating slot provided.

Twin 30mm GCM gun mountings may be obtained from Atlantic models as a separate accessory ATAC35027.

## Funnel Platform Assembly and Location

For those wishing to model a ship that received upgrades post 1982, the following items have been included.

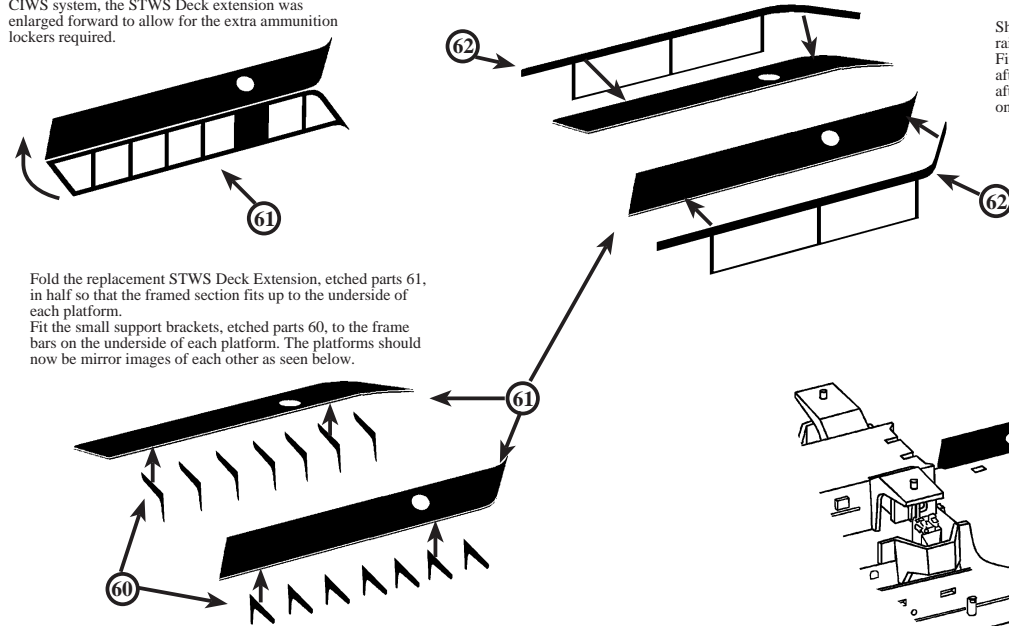


Fold the funnel platforms, etched parts 55 in half so that the frames fit to the undersides of the platform as shown above. Secure into place. Fit the support brackets, etched parts 56, to the frame bars on the underside of the platforms as shown right with the solid blank to the front. These assemblies should be mirror images to fit each side of the funnel.

Fit the two funnel platforms on each side of the funnel 5mm down from the top angle line as shown below. Shape and fit the railings sections, etched parts 22, to fit around the edges of the platforms. Fit the funnel badge plates, etched parts 91, so that the edge of the platform passes across the centre of the badge plate.

## STWS Late Fit Extended Platform Assembly

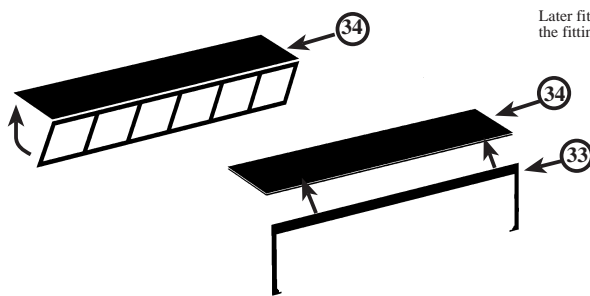
To upgrade the Type 42 with the Vulcan/ Phalanx CIWS system, the STWS Deck extension was enlarged forward to allow for the extra ammunition lockers required.



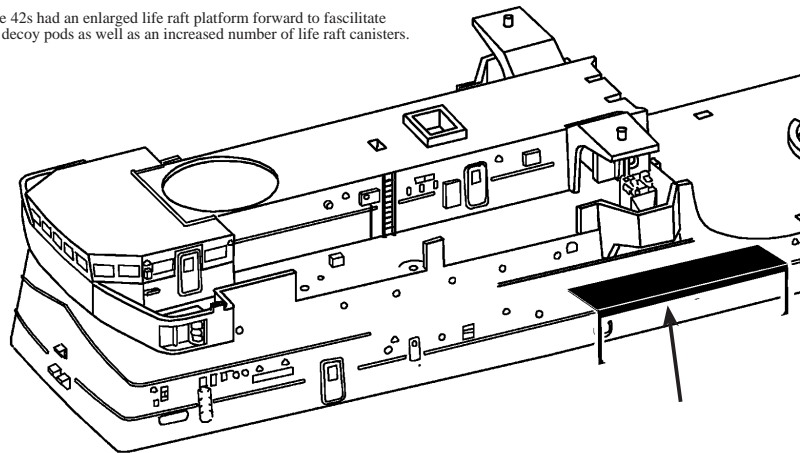
Shape and fit the outer support frames, etched parts 62 so that the thicker rail fits to the outer edge of the STWS deck extension.  
Fit these deck extensions to the sides of the superstructure, immediately aft of the CIWS deck extensions so that the curved parts fits around the aft corners of the superstructure. The vertical outer supports should fit on to the main deck inside the railings.

Fold the replacement STWS Deck Extension, etched parts 61, in half so that the framed section fits up to the underside of each platform.  
Fit the small support brackets, etched parts 60, to the frame bars on the underside of each platform. The platforms should now be mirror images of each other as seen below.

## Forward Life Raft and Decoy Pod Platform Assembly

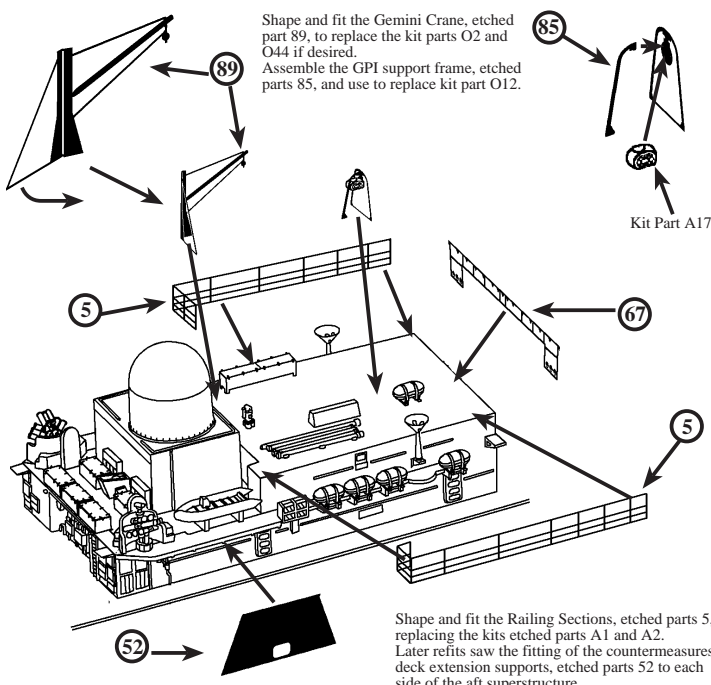


Later fit Type 42s had an enlarged life raft platform forward to facilitate the fitting of decoy pods as well as an increased number of life raft canisters.



Fold the Life Raft Canister Platforms, etched parts 34 in half so that the framed section fits up to the underside of the platform. Secure into place.  
Fit the vertical support frames, etched parts 33 so that the horizontal bar fits along the outer edges of the platforms.  
Make two of these and fit into the place of the kits parts I3 and I4.

## Aft Superstructure and Hangar Replacement Fittings

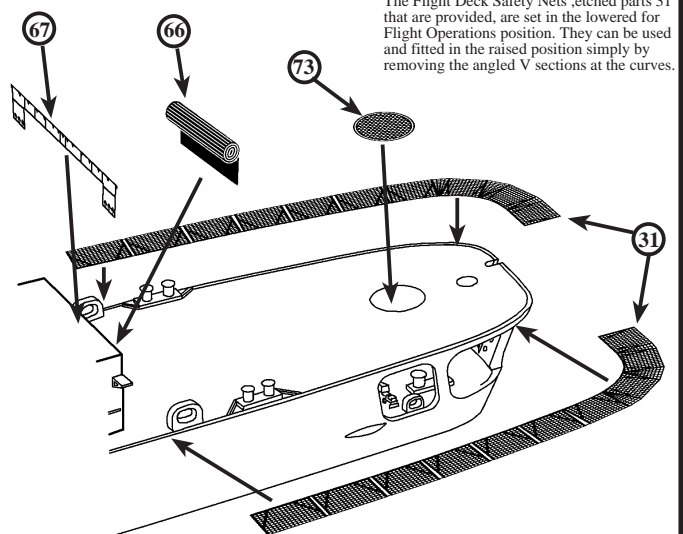


Shape and fit the Gemini Crane, etched part 89, to replace the kit parts O2 and O44 if desired.  
Assemble the GPI support frame, etched parts 85, and use to replace kit part O12.

Shape and fit the Railing Sections, etched parts 5, replacing the kits etched parts A1 and A2.  
Later refits saw the fitting of the countermeasures deck extension supports, etched parts 52 to each side of the aft superstructure.

## Flight Deck Fittings

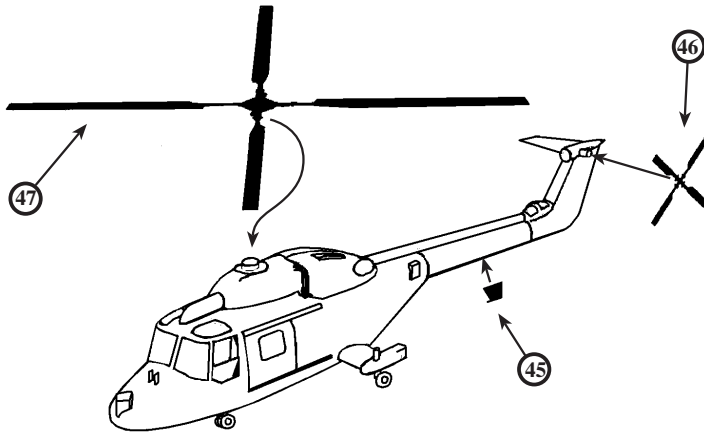
Fit the approach light bar, etched part 67, to the aft edge of the hangar roof as shown. This may be used to replace kit part O45. The Flood Light clusters, kit parts O3 and O4 may be trimmed and attached to the outer Flood Light plates.



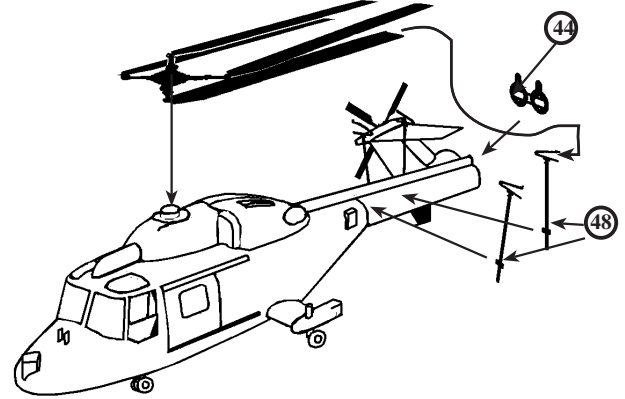
The Flight Deck Safety Nets, etched parts 31 that are provided, are set in the lowered for Flight Operations position. They can be used and fitted in the raised position simply by removing the angled V sections at the curves.

The Hangar Door, etched part 66 is a roller type door and is raised partially open during fly operations. This can be achieved by carefully rolling the top edge of the etched part until the desired height of the door is attained. This replaces kit part L42.

## Westland Lynx HAS3 Helicopter Assembly

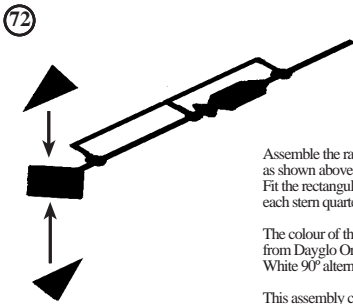


Fit the main and tail rotor blades, etched parts 47 and 46, as shown above.  
Fit the blade aerial 45 to the underside of the tail cone.



If the helicopter is to be displayed folded, make a small cut at the root of each rotor blade on the forward edge. This will make it easier to bend the blade rearwards and keep it flat. Cut the tail pylon off completely at the fold joint as shown, and fit the fold joint, etched part 48. This will allow the tail to be reattached in the folded position with ease. Fit the folded main rotor blades so that they are positioned over the tail, then fit the blade support poles in pairs to each side of the tail cone. The blades then fit into the slot on top of the pole.

### Dan Buoy Assembly



Assemble the radar reflectors on the Dan Buoy, etched parts 44, as shown above.  
Fit the rectangular bracket arrangement onto the side railings on each stern quarter.

The colour of the reflector and body of the Dan Buoy varied from Dayglo Orange which was the most common, to Red and White 90° alternate sections

This assembly can be used to replace the rather clunky kit parts O19 if desired.

### Fore Mast Top DF Array Assembly



To assemble the Fore Mast top DF antenna, etched part 57 locate the vertical bars on the two half frames, to the centre bar on the full frame as shown left and secure into place. This assembly replaces kit etched part B22 if desired.

## Replacement Railings Locations and Other Instructions

Replacement railings sets have been supplied in this detail set to cover off the tendency for those provided in the kit to break at the folds and also any fit issues. The sections listed are direct replacements for those supplied on the kit etched fret as follows using the kits instructions as a shaping and fitting guide.

1. Railings Sections etched parts 1 replace the kit etched parts A20 and A34
2. Railings Sections etched parts 2 replace the kit etched parts A5 and A29
3. Railings Sections etched parts 3 replace the kit etched parts A3 and A35
4. Railings Sections etched parts 4 replace the kit etched parts A25 and A33 (Sheffield)
5. Railings Sections etched parts 5 replace the kit etched parts A1 and A2
6. Railings Sections etched parts 6 replace the kit etched parts A10 and A11
7. Railings Sections etched parts 7 replace the kit etched parts A43 and A44
8. Railings Sections etched parts 8 replace the kit etched parts A39 and A40 (Coventry)
9. Railings Sections etched parts 9 fit to the forward edges of the Gun Deck Extensions etched parts 41 if fitted, and Railings Sections etched parts 10, fit to the aft edges of the gun deck extension and along the edges of the Deck Extensions etched parts 61 fitting around the STWS mounting as per the earlier railings.
10. Railing Sections etched parts 11 replace the kit parts A8, A21, A24 and A31. Railings Sections 12 fit around the 1022 radar catwalk, etched part 59 if fitted.
11. Railing Section etched part 13 replaces kit etched part A18.
12. Railings Section 14 replaces kit etched part A14.
13. Railing Sections etched parts 15 replace the kit etched parts A15 and A9
14. Railing Section etched part 16 fits around the edges of the 996 platform if fitted.
15. Railings Sections etched parts 17 Fore and Aft of the 30mm Gun Deck Extensions, etched parts 41 if fitted as an intermediate fit. The small section fits to the rear end of the life raft canister rack as per the forward end of etched parts 4. The larger lengths fit to the superstructure sides between the Gun Deck and the STWS Deck Extensions.
16. Railing Sections etched parts 18 replace the kit etched parts A41 and A42
17. Railing Sections etched parts 19 replace the kit etched parts A4, A19 and A30
18. Railing Sections etched parts 20 replace the kit etched parts A26 and A32
19. Railing Sections etched parts 21 replace the kit etched parts A6 and A27
20. Railing Sections etched parts 22 are to fit around the edges of the funnel platforms when fitted.
21. Railing Section etched part 23 replaces the kit etched part A13.
22. Railing Section etched part 24 replaces the kit etched part A28.
23. Railing Sections etched parts 25 replace the kit etched parts A7 and A23
24. Railing Section etched part 26 replaces the kit etched part A37
25. Railing Section etched part 27 replaces the kit etched part A17
26. Railing Section etched part 28 replaces the kit etched part A36
27. Railing Section etched part 29 replaces the kit etched part A12
28. Stock lengths of Vertical Ladders, etched parts 97, have been supplied to replace those that have been moulded onto the kit parts. These will need to be removed carefully and the surface smoothed before fitting the etched parts.
29. A stock length of Anchor Chain has also been supplied as, etched parts 98, to replace the moulded impression on the fore'sle deck.
30. Etched Parts 76 and 77, have been supplied to fit to the front and rear faces of the superstructure, 76 fits centrally below the bridge, while 77 fits to starboard beside the hangar doors. A drum type of sensor fits onto these brackets. Further research will be required to establish when fitted at a late time frame.
31. Yardarm assembly, etched part 49, has been included as a mid life alternate part that was fitted to the Main Mast instead of the starboard yard of etched part 83.