



County Class Destroyer (DLG) H.M.S. Glamorgan 1978 1/350 Scale

History

HMS Glamorgan was one of eight ships of the County Class Guided Missile Destroyers that were designed for the Royal Navy around the Sea Slug missile system.

Laid down in September 1962 at Vickers-Armstrong's shipyards on the Tyne, she was launched two years later on 9th July 1964, by Lady Brecon. Commissioning day was Friday 14th of October 1966 at Tynside, where again Lady Brecon welcomed the first *HMS Glamorgan* in to the Royal Navy.

A lengthy period of trials followed by work ups to get all the ships systems working and the ships company settled in and familiar with their new surroundings, after the long period in temporary accommodation whilst the building was in progress, but finally in May 1967 *HMS Glamorgan* was given her first foreign visits to Denmark and Holland.

Also in May 1967, her first helicopter flight was formed at RNAS Portland with a Westland Wessex HAS 1 anti submarine helicopter, which worked up and joined the ship in April 1968 for her first deployment to the Far East via the Caribbean, USA and west coast of Canada after transiting the Panama canal.

From there she transited the Pacific Ocean calling in Hawaii and on to Singapore, The Phillipines and Australia before starting the homeward leg across the Indian Ocean to South Africa. Then back up the Atlantic Ocean to Barbados and Puerto Rico before arriving back home to complete a circumnavigation of the globe in 355 days.

In the period 1977 to 1979 *Glamorgan* had a major refit during which time her gun turret in 'B' position was removed to facilitate the fitting of a quadruple bank of Exocet missile launchers. She also had her middle pair of boats removed and a triple STWS torpedo launcher fitted to the main deck on each side in their place. A large platform was added to the front of the main mast that spanned across the entire width of the ship, to which was added a pair of SCOT radomes for long range communications.

In 1982, *HMS Glamorgan* along with her sister ship *HMS Antrim* became involved in the Falkland Islands campaign in the South Atlantic in which the Argentine forces pre emptively invaded the islands after Argentina had claimed sovereignty.

Glamorgan was already at sea at the time and was soon diverted to take up station with the British task force that had sailed south. She initially was the flagship of Rear Admiral Sandy Woodward until the 15th April when he transferred his flag to *HMS Hermes*. From then, *Glamorgan* proved that her most useful tool was her remaining 4.5 inch twin gun mounting which she used to bombard Argentine shore positions around Port Stanley. In early May *HMS Glamorgan* was slightly damaged in an air raid by Argentine air force Daggers, after two 500lb bombs fell close by.

During mid May *Glamorgan* was again bombarding Argentine positions on the east of the islands, helping divert attention from the landings in San Carlos water. She was also directing her fire against the airfield at Port Stanley, and at one point fired a Sea Slug missile at the airfield. In early June, *Glamorgan* was tasked with protecting shipping away from the islands, as the campaign built up to it's final offensives, she was called in again on the 11th, to provide support to the Royal Marines fighting the Battle of Two Sisters.

The following morning *HMS Glamorgan* was attacked by an Exocet missile launched from an Argentine position using an improvised shore based launcher. The incoming missile was tracked visually and by *Glamorgan's* Ops room. The ship executed an evasive turn away from the missile but not enough time was available and the missile struck *Glamorgan* on the port side aft, bouncing across the deck before exploding against the hangar, destroying the ship's helicopter and starting a major fire.

Sadly, 14 of the ships company were killed and many more wounded, but *Glamorgan* survived the attack. The fire was extinguished and the damage repaired temporarily. Two days later the Argentine forces surrendered and she was able to make more substantial repairs that would allow her to sail for home. *HMS Glamorgan* arrived back in Portsmouth on 10th July 1982 after being at sea for 104 days.

HMS Glamorgan spent the rest of 1982 in refit, but was back at sea again in early 1983. Her last active deployment for the Royal Navy was off the coast of Lebanon assisting peacekeeping forces there in 1984.

She was decommissioned in 1986 and sold to the Chilean Navy who re-named her the *Almirante Latorre*. She served with the Chilean Navy until 1998 when she was decommissioned again and laid up. On April 11th 2005 she sank in the South Pacific whilst being towed to the breakers.

Specifications

Length: 520 feet (160 m) Beam: 53 feet (16 m) Displacement: 6,200 tonnes full load Propulsion: COSAG (Combined Steam and Gas Turbine)
Speed: 30 knots maximum Range: 4000 nautical miles at 28 knots Crew: 471

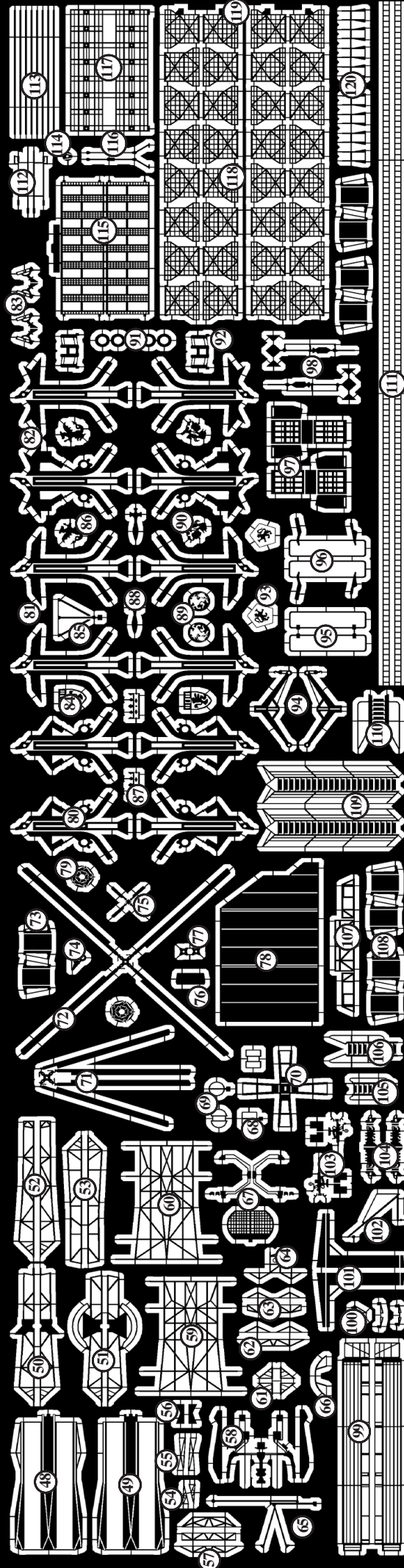
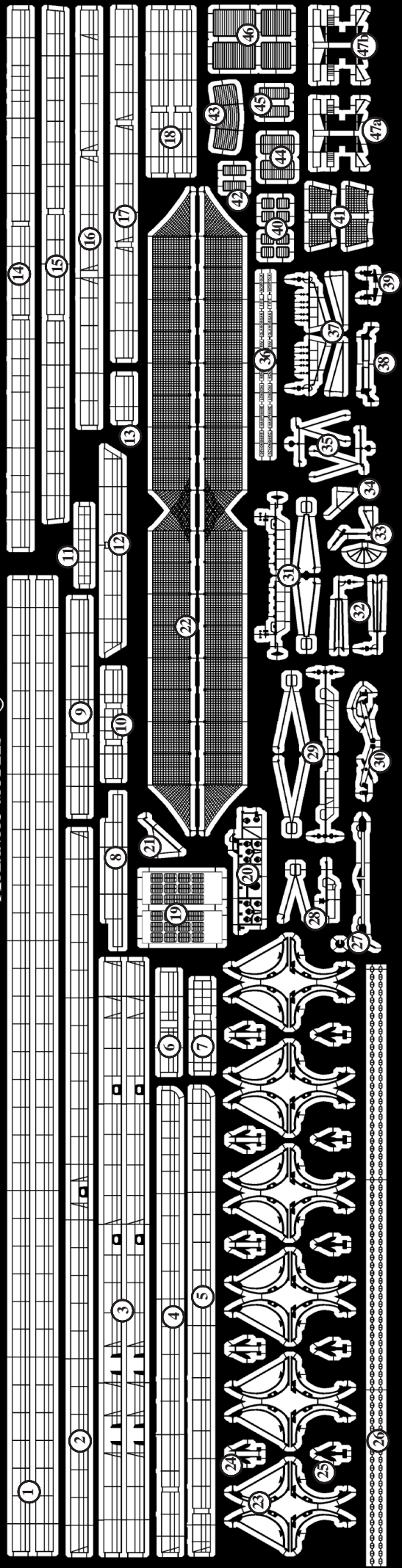
Armament

2 x Twin 4.5inch Mk 6 Gun Turrets mounted forward. Later B Turret was replaced by 4 x MM40 Exocet Missile Box Launchers
2 x 20mm Single Oerlikon Mountings 1 x Sea Slug GWS 2 SAM Twin Launcher (24 Missiles) 2 x Quad Sea Cat GWS 22 SAM
2 x STWS Triple Tube Torpedo Launchers 1 x Wessex HAS Mk 3 Anti Submarine Helicopter

General Precautions

When assembling a Resin / Photoetched metal kit, certain precautions must first be taken.

1. Resin dust can be harmful if inhaled. It is recommended that you wear a suitable dust mask when drilling or sanding resin parts.
2. Cyano adhesives (super glues) are generally used to assemble this type of kit. Care must be taken when using this type of adhesive as it will bond in seconds. Follow the advice on the container.
3. Wash resin parts in a solution of warm soapy water before assembly. This will remove any residual mold release agents and ensure a good key for painting.
4. Soak photoetch parts in a suitable solvent, such as white spirit, to degrease the surfaces prior to painting.



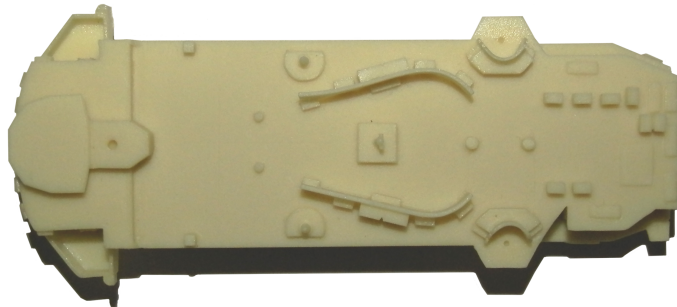
HMS GLAMORGAN 1/350 SCALE

COUNTY CLASS DESTROYER	
1. Railings (3 Bar Offset Stock)	34. Fore Mast Gaff
2. Railings (Quarterdeck)	35. Yardarms (Lower ECM Sensors)
3. Railings (Focse)	36. Ships Name Plates
4. Railings (Fwd Superstructure Deck Sbd)	37. Yardarms (Fore Funnel Sides)
5. Railings (Fwd Superstructure Deck Port)	38. ECM Sensor Top Stays
6. Railings (Fwd Director Platform)	39. GDP Bulwark Lights
7. Railings (901 Radar Platforms)	40. Vent Grills (Main Mast Deck Step)
8. Railings (Main Mast Platform)	41. Flight Deck Aft Safety Nets
9. Railings (Fore Mast Platform)	42. Vent Grills (Aft Funnel Sides)
10. Railings (Main Mast Platforms)	43. Vent Grill (Aft Funnel Rear)
11. Railings (992 Platform)	44. Vent Grills (Fwd Funnel Sides)
12. Railings (901 Deck)	45. Vent Grills
13. Railings (Port Boat Ladderway)	46. Vent Grills (Aft Superst Sides)
14. Railings (Hangar Roof)	47. ECM Sensor Trays
15. Railings (SCOT Platform)	48 to 64. Sea Slug Launcher Assembly
16. Railings (Aft Funnel Deck)	65. Jack Staff
17. Railings (Fore Deck Step)	66. Huntruss Bow Rail
18. Railings (Main Mast Deck)	67. 277 Radar Antenna
19. Hangar Vent Grills	68. DF Antenna (Rectangular)
20. Flight Deck Light Cluster	69. DF Antenna (Circular)
21. Main Mast Gaff	70. DF Antenna Mast
22. Flight Deck Safety Nets	71. Helicopter Rotors (Folded)
23. Boat Davit Tops	72. Helicopter Rotors (Spread)
24. Sea Cat Missile Wings	73. Life Raft Rack (Double)
25. Sea Cat Missile Bodies	74. Helicopter Tail Wheel
26. Anchor Chain	75. Helicopter Tail Rotor
27. Sea Slug Telemetry Antenna	76. Helicopter Tail Stabiliser
28. Yardarm (Fore Mast Front)	77. Helicopter Rotor Hub Doublers
29. Yardarms (Fore Mast Sides)	78. Hangar Doors
30. Sweep Buoy Crane	79. Funnel Badges (Hampshire)
31. Yardarms (Main Mast Sides)	80. Boat Davit Base (Forward)
32. Yardarms (Main Mast Rear)	81. Boat Davit Base (Aft)
33. Sword and Shield Antenna	82. Boat Davit Base (Mid Boats)

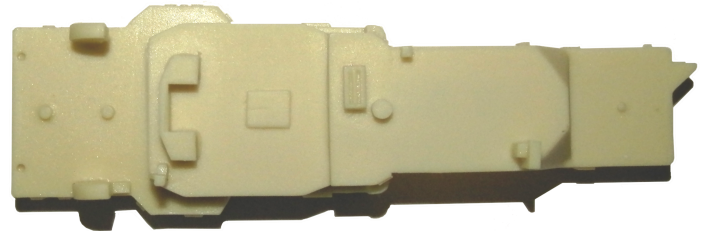
Photo-Etched Metal Parts (Continued)

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| <ul style="list-style-type: none"> 83. Corvus Sights 84. Funnel Badges (Antrim) 85. RAS Mast 86. Funnel Badges (Glamorgan) 87. Funnel Badges (Norfolk) 88. Funnel Badges (London) 89. Funnel Badges (Kent) 90. Funnel Badges (Fife) | <ul style="list-style-type: none"> 91. Life Belts 92. Life Belt Ejector Rack 93. Funnel Badges (Devonshire) 94. Sea Cat Loading Cranes 95. Exocet Launcher Shields (Inner) 96. Exocet Launcher Shields (Outer) 97. Boat Fuel Can Racks 98. Dan Bouys | <ul style="list-style-type: none"> 99. Accommodation Ladders (Stowed) 100. Fore Mast Sensors 101. Torpedo Loading Arms 102. Fore Mast Gaff (Upper) 103. 20mm Oerlikon Mountings 104. GDP Rangefinder Sights 105. Inclined Ladder (Spare) 106. Inclined Ladder (Port Boats) |
| <ul style="list-style-type: none"> 107. Sea Slug Loading Frame 108. Life Raft Racks (Double) 109. Inclined Ladders (Aft Hull Step) 110. Inclined Ladder (Fwd Director) 111. Vertical Ladder Stock 112. to 119. 965 Radar Antenna Assembly 120. Sea Cat Launcher Rails | | |

Large Resin Parts

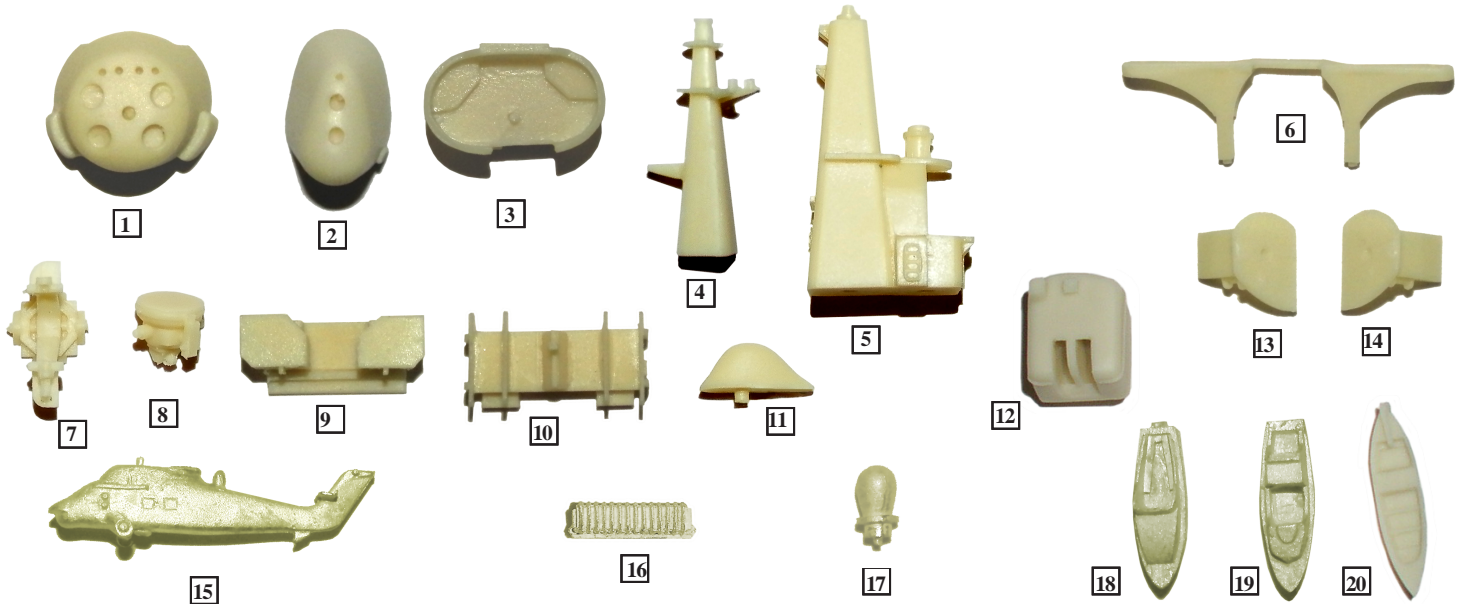


Forward Superstructure and Bridge



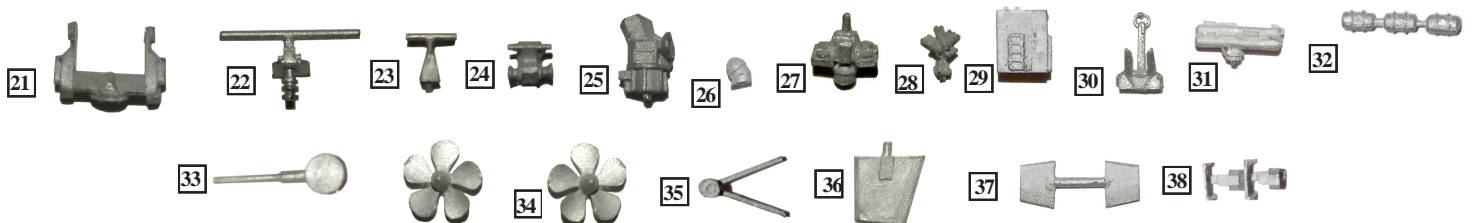
Aft Superstructure and Hangar

Resin Parts



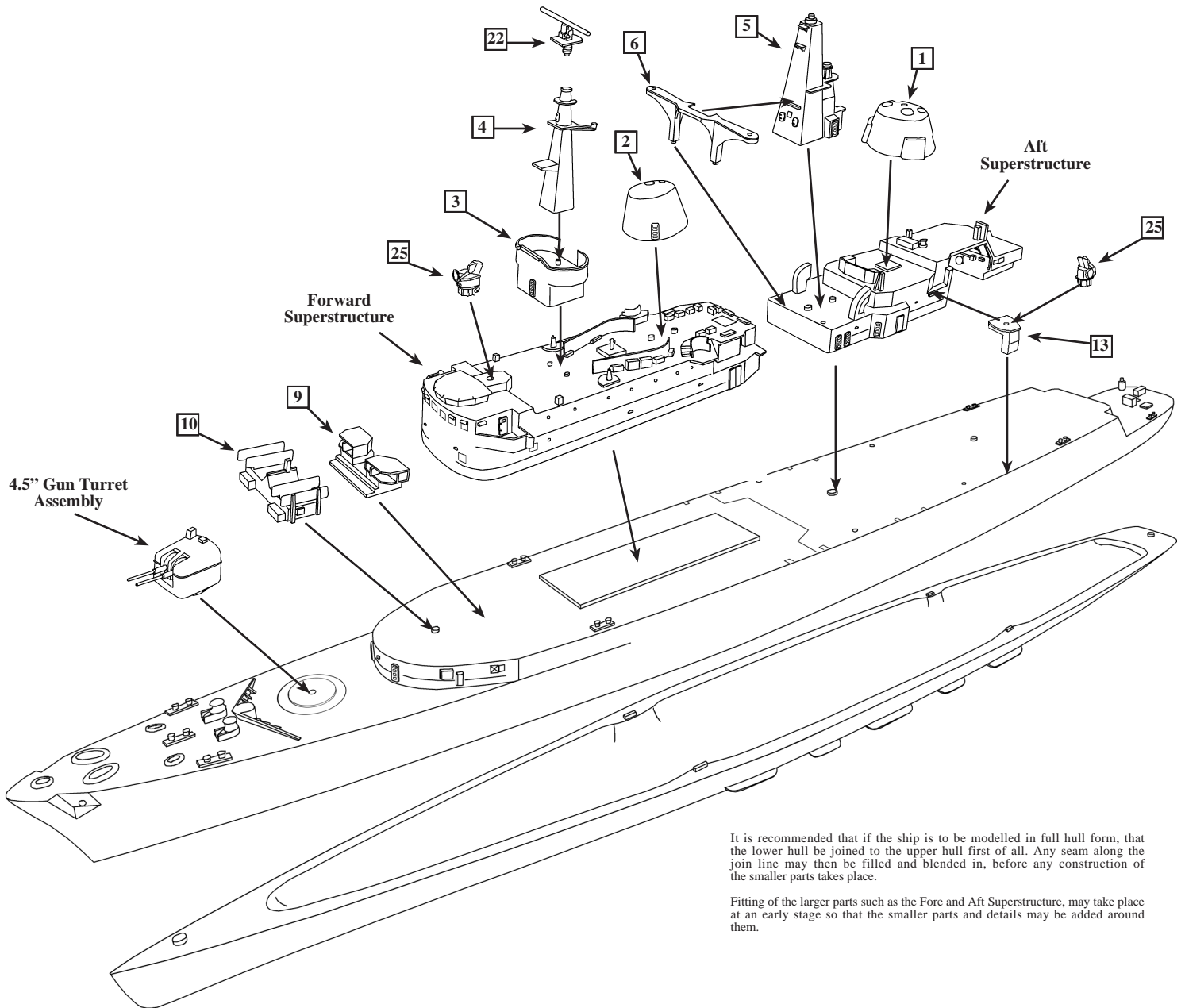
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| <ul style="list-style-type: none"> 1. Aft Funnel 2. Fore Funnel 3. Gun Direction Platform (GDP) 4. Fore Mast 5. Main Mast | <ul style="list-style-type: none"> 6. SCOT Platform 7. 901 Radar Dish Yolk 8. 901 Radar Dish 9. Exocet Blast Shield 10. Exocet Missile Box Mounting | <ul style="list-style-type: none"> 11. Sonar Dome 12. 4.5" Mk 6 Gun Turret 13. Sea Cat Director Platform (Port) 14. Sea Cat Director Platform (Stbd) 15. Wessex HAS Mk3 Helicopter. | <ul style="list-style-type: none"> 16. Exocet Missile Box Launcher x 4 17. SCOT Radomes x 2 18. Fairey Huntress Power Boat 19. Cheverton Motor Boat x 2 20. 27" Whaler |
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White Metal Parts



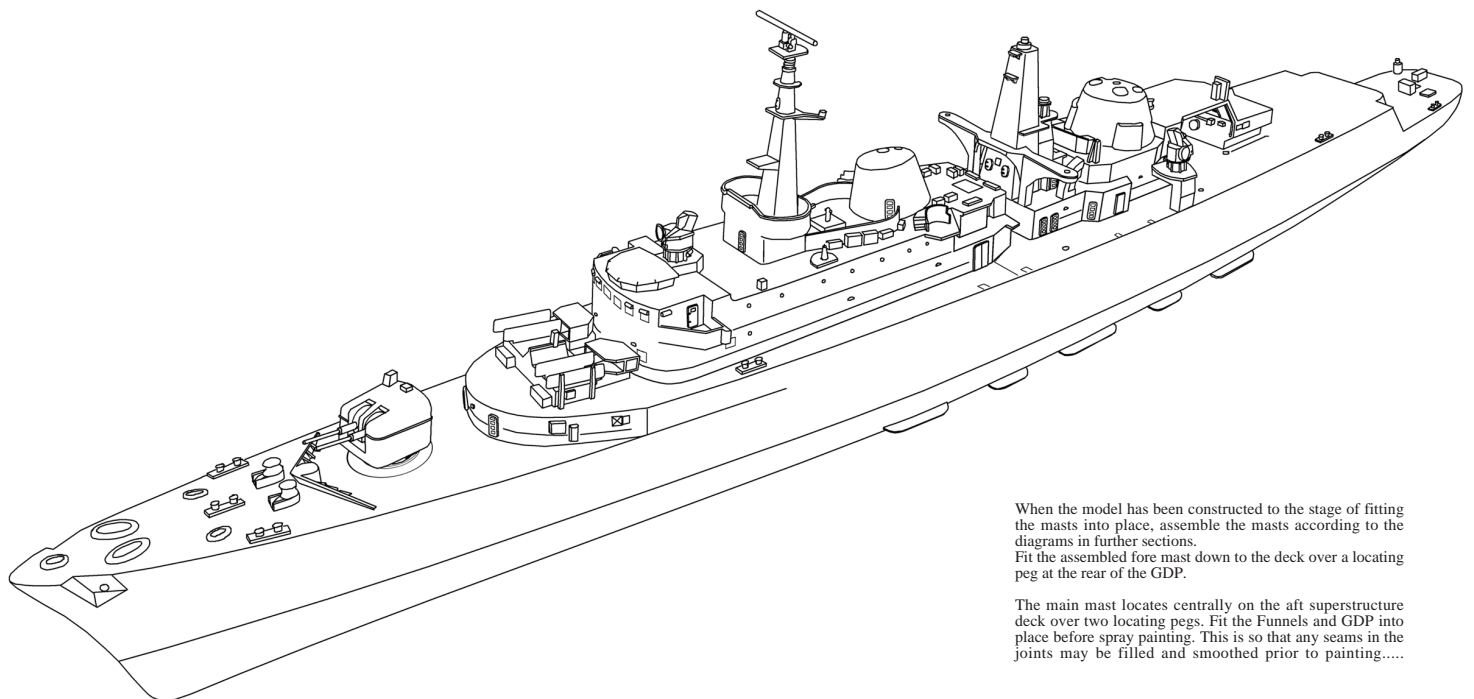
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| <ul style="list-style-type: none"> 21. Sea Slug Missile Launcher Yoke 22. 992 Radar Antenna 23. 1006 Radar Antenna 24. Deck Winch | <ul style="list-style-type: none"> 25. GWS22/904 Fire Control Director x 3 26. 903 Director Tub x 2 27. Sea Cat Missile Launcher x 2 28. Corvus Chaff Rocket Launcher x 2 29. SCOT Comms House | <ul style="list-style-type: none"> 30. Anchors x 2 31. STWS Torpedo tubes x 2 32. Life Raft Cannisters x 18 33. 4.5" Gun Barrels x 2 34. Propellers x 1 pair | <ul style="list-style-type: none"> 35. Propeller A Frame x 2 36. Rudder x 2 37. Stabiliser Fins x 8 38. Main Mast ECM Array x 2 |
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Main Parts Location



It is recommended that if the ship is to be modelled in full hull form, that the lower hull be joined to the upper hull first of all. Any seam along the join line may then be filled and blended in, before any construction of the smaller parts takes place.

Fitting of the larger parts such as the Fore and Aft Superstructure, may take place at an early stage so that the smaller parts and details may be added around them.



When the model has been constructed to the stage of fitting the masts into place, assemble the masts according to the diagrams in further sections. Fit the assembled fore mast down to the deck over a locating peg at the rear of the GDP.

The main mast locates centrally on the aft superstructure deck over two locating pegs. Fit the Funnels and GDP into place before spray painting. This is so that any seams in the joints may be filled and smoothed prior to painting.....

Sea Slug Missile Launcher Assembly

The Sea Slug missile launcher is a very complex piece of equipment, so the assembly of the photo etched parts has been designed to be as easy as possible and give the best amount of strength to the finished article. It is best to spray the etched parts with an auto motive primer paint before assembly.

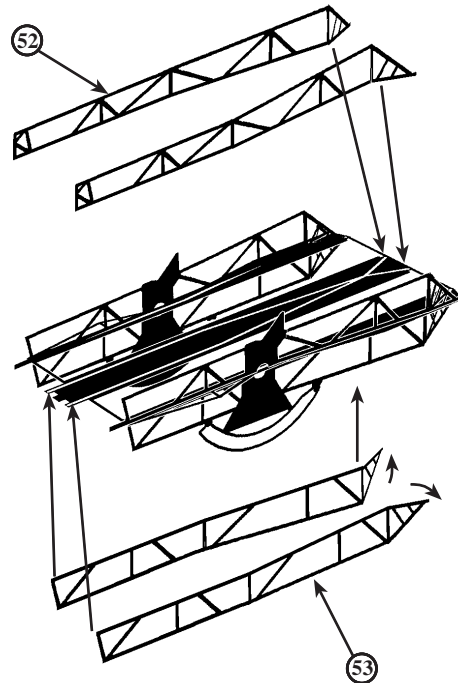
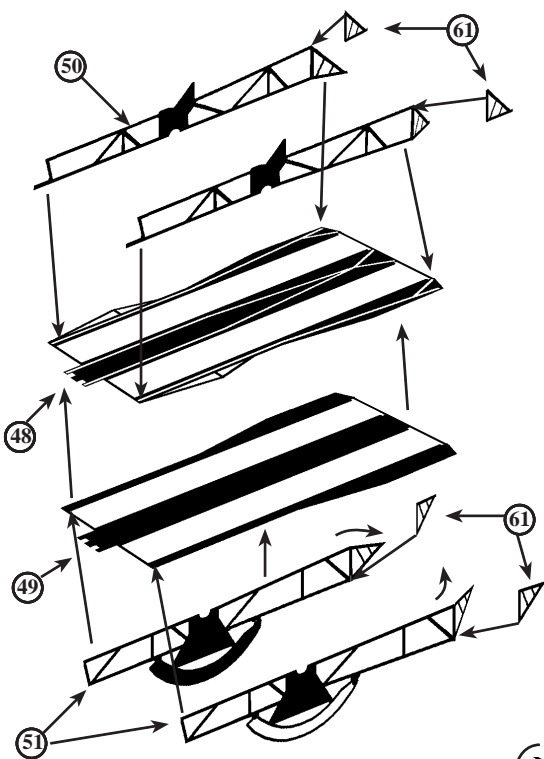
First assemble etched parts 50 and 51, the outer vertical frames, to the central horizontal plates, etched parts 48 and 49. Shape the vertical frames to match the etched lines on the horizontal plates and fit them in place. Fit the small forward angular frame etched part 61 to the front vertical bar of each of the vertical frames.

Next fit the inner vertical frames, etched parts 52 and 53 in the same way by shaping to fit into the etched lines on parts on the upper and lower horizontal plates.
Note...DO NOT remove the thin joiner lines from the horizontal plates, etched parts 48 and 49 at this stage.

Fit the upper and lower horizontal frames, etched parts 59 and 60 to the top edges of the vertical frames, which should match up to the long bars running fore and aft. Fold down the small side braces so that they fit against the outer edges of the centre horizontal plates.

Join the upper and lower halves of the launcher together so that the shapes of the flat surfaces of the central plates mate exactly.

The thin joiner bars on the central plates may now be cut away.

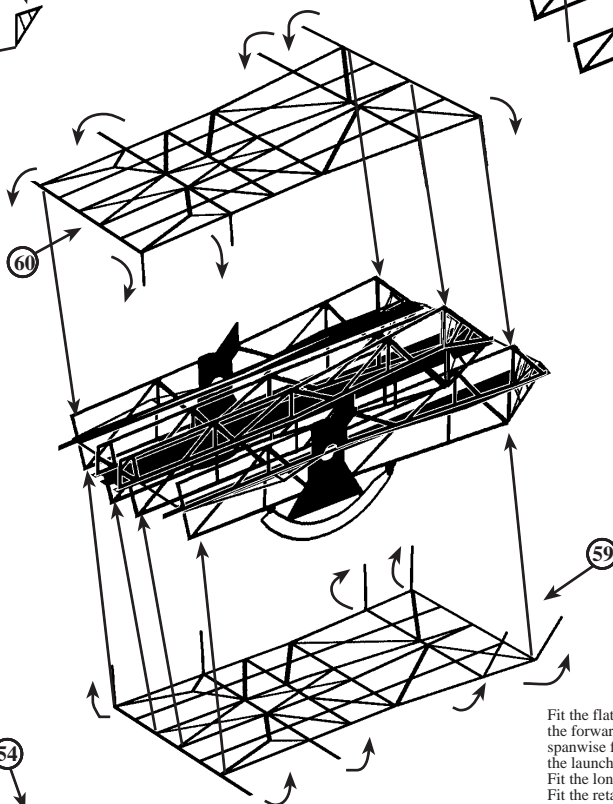


Fit the top angled braces, etched parts 57, into place on the spanwise bars as shown below. Retain the very rear most frame for fitting at a later stage.

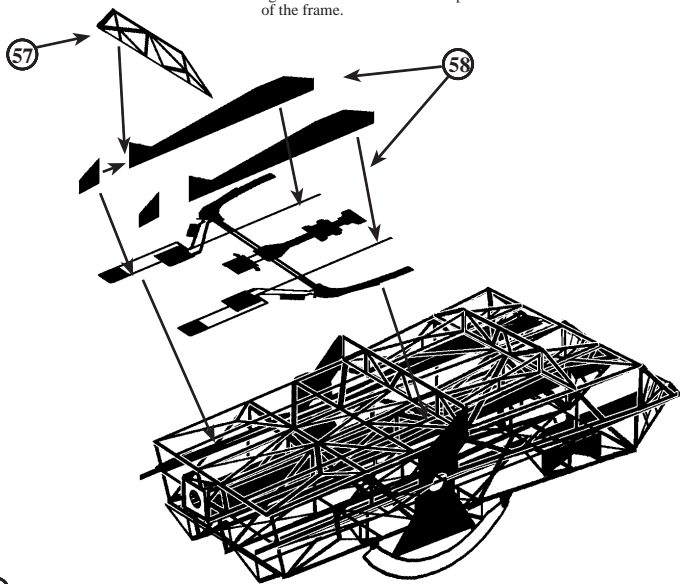
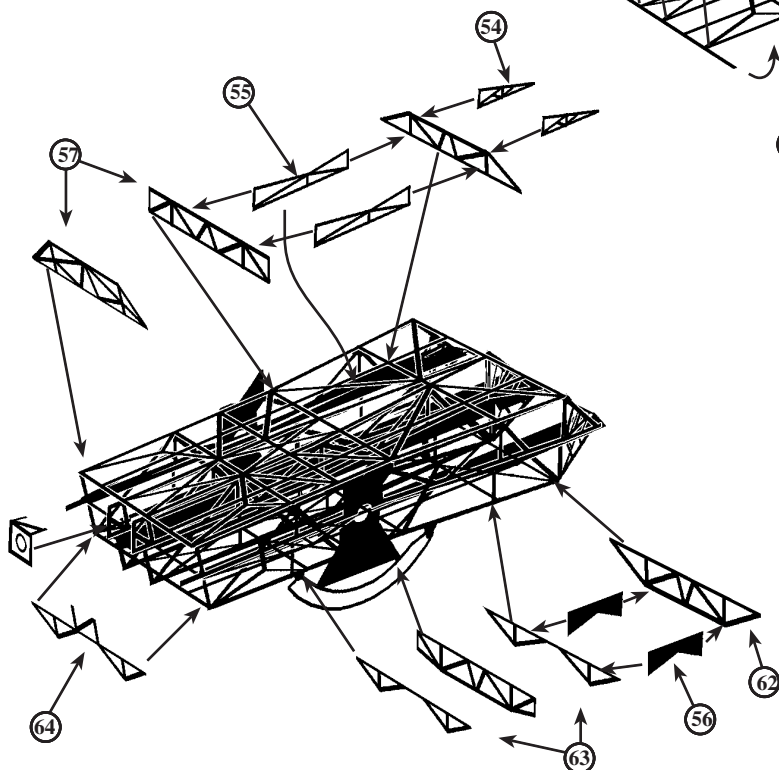
Fit the fore and aft frames, etched parts 54 and 55 as shown below so that they fit on to a fore and aft bar and 55 fits between the verticals on parts 57.

Fit etched part 62, to the very front spanwise bar on the underside of the launcher, followed by etched parts 56, which fit to a fore and aft running bar on the underside and also fit against the verticals of 62. Fit frames, etched parts 63, so that the verticals of the front frame fit to the rear of etched parts 56. All these frames fit on to spanwise bars on the underside of the launcher.

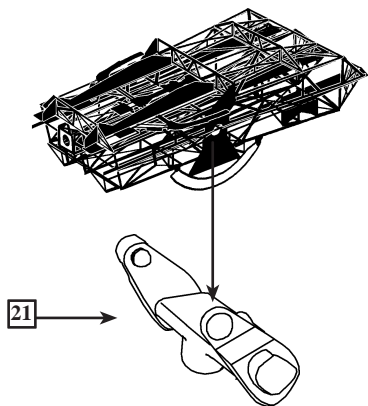
Fit etched part 64 to the rear most spanwise bar, after first cutting off the small relief etched square, which is then fitted to the rear of the extension piece as shown below.



Fit the flat horizontal plate of the mechanism etched parts 58, so that the forward ends of the longerons fit against the rear of the centre spanwise frame 57. The outer prongs if you like, fit out away from the launcher and attach to the top of the mounting yolk forks. Fit the long vertical plates to the longerons as shown below. Fit the retained frame from etched parts 57 so that the verticals fit against the rear of the vertical plates. Fit the small fillets to the rear of the frame.

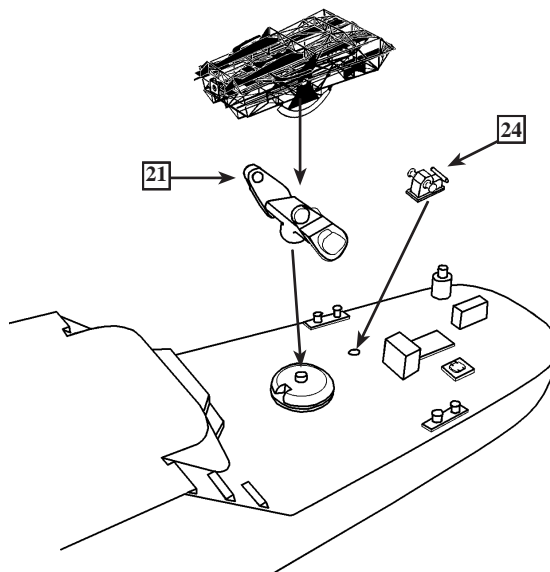


Missile Launcher Yoke Location



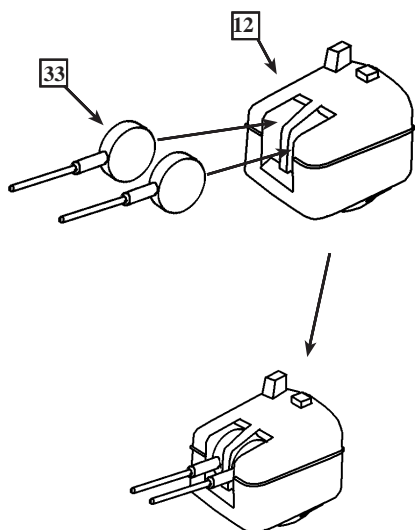
Trim down the spidles inside the top of the yoke forks until the launcher assembly slides in between with a tight fit. Secure into place at the desired angle of elevation.

Sea Slug Missile Launcher Assembly Location



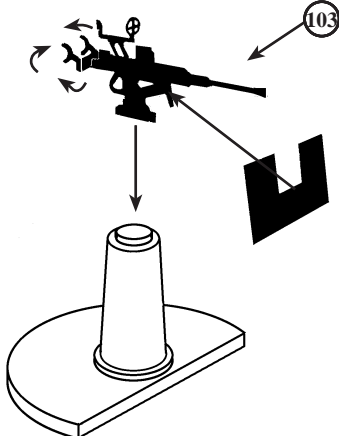
Fit the Sea Slug missile launcher assembly into place on the mounting spindle on the quarter-deck. The assembly may be trained in whatever direction desired and fixed in place.

Twin 4.5" Mk6 Gun Turret Assembly



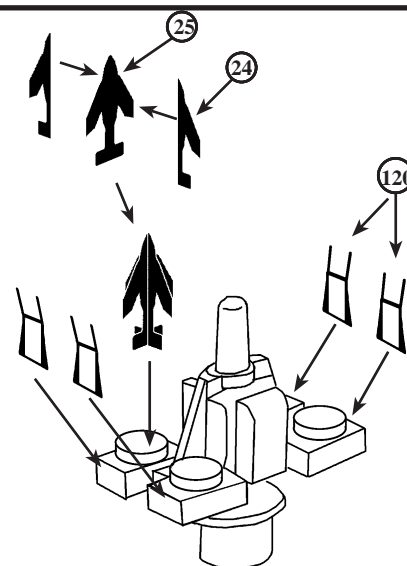
Clean off any excess material from the gun barrels, parts 33, so that the barrels and the elevation discs are clean and smooth. Fit the elevation discs on both barrels into the recesses in the front of gun turret, resin part 12. Elevate the barrels to the desired position and secure into place.

20mm Oerlikon Mounting



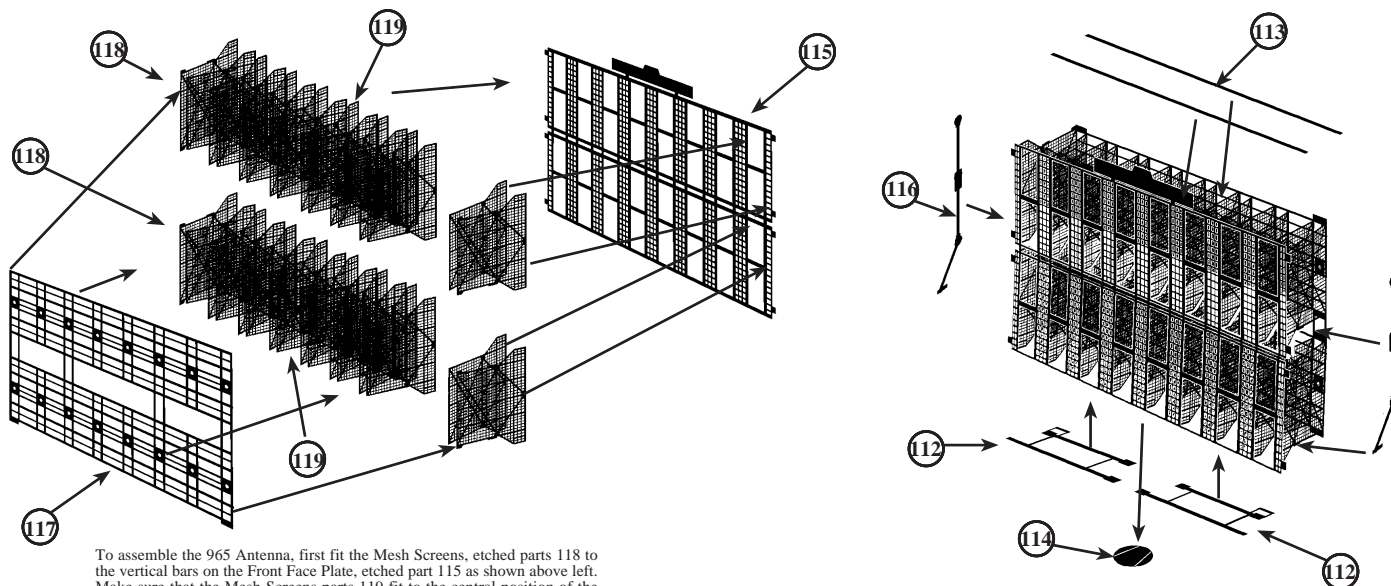
Fold the shoulder rests on the rear of the gun around to 90° so that they are parallel, then fold them up to 90° to fit against the back of the gun. Twist the gun sight to 90°. Fit the 20mm gun mounting to the tops of the pintles that are situated on each side of the forward superstructure top deck just behind the fore mast. Fit the gun shield centrally to the locating lug just below the mid point on the gun.

Sea Cat Missile Launcher



Assemble the Sea Cat missiles using etched parts 24 and 25 as shown above. These can be fitted to the launcher as desired. Fit the side rails, etched parts 120, to the short sides of the launcher.

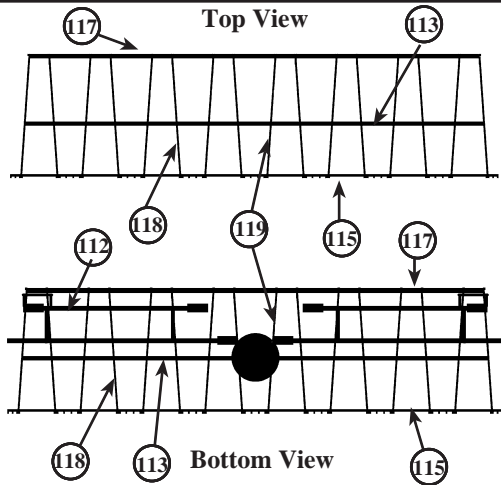
965 AKE-2 Double Bedstead Radar Antenna



To assemble the 965 Antenna, first fit the Mesh Screens, etched parts 118 to the vertical bars on the Front Face Plate, etched part 115 as shown above left. Make sure that the Mesh Screens parts 119 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 117, 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 on the next page.

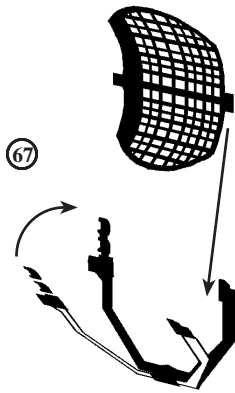
Fit Tie Bars, etched parts 113 across the top and bottom of the antenna as shown right. Fit the Counter Frames etched parts 114, to the underside of the antenna. Fit the small mounting plate 22, if desired, to the lugs on the centre mesh screens. Alternatively the lugs on the centre screens can be located over the spindle on top of the main mast and secure in to place.

965 Plan Views



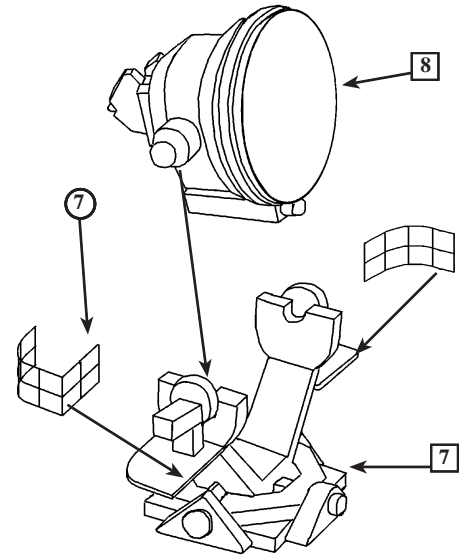
The above views show the alignment of the mesh screens in relation to the front and rear face plates. They also show the positions of the counter frames and the tie bars

277 Radar Antenna Assembly



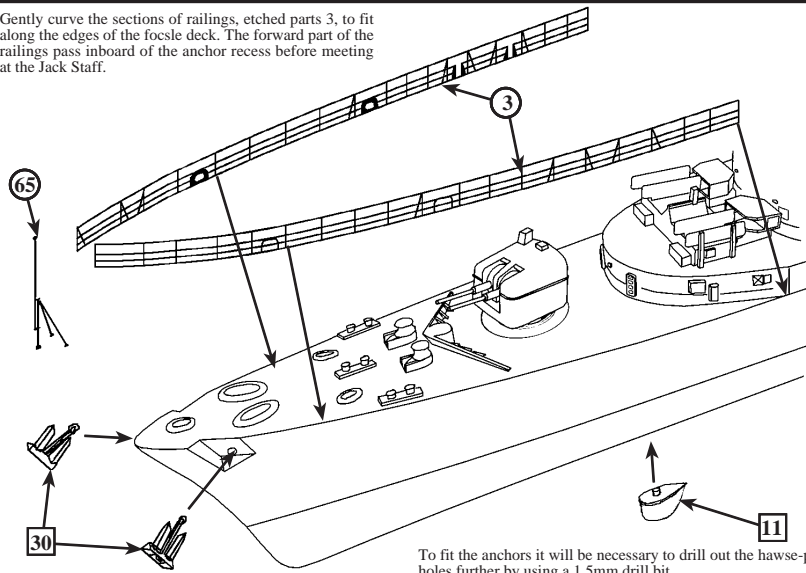
Fold the forks of the 277 radar mounting in half, so that the relief etched detail is outermost. Gently curve the antenna dish as shown above, then trap the lugs on the sides of the antenna dish between the tops of the forks and then secure into place.

901 Radar Antenna



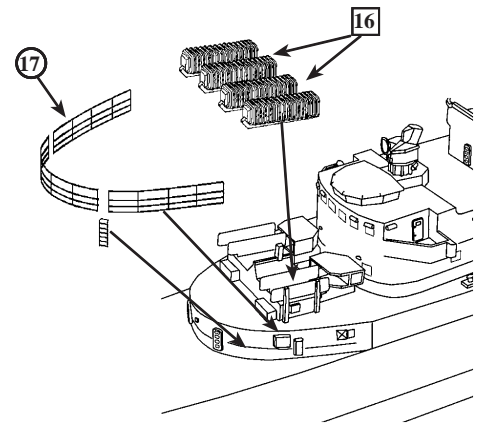
Fo'c'sle Fittings

Gently curve the sections of railings, etched parts 3, to fit along the edges of the fo'c'sle deck. The forward part of the railings pass inboard of the anchor recess before meeting at the Jack Staff.



To fit the anchors it will be necessary to drill out the hawse-pipe holes further by using a 1.5mm drill bit.

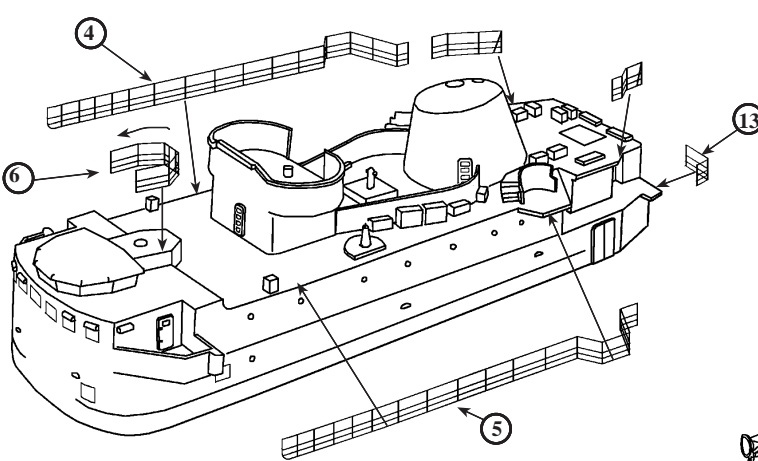
Exocet Deck Fittings



Shape and fit the railing sections, etched part 17, to the edges of the forward hull step. Ensure there is a gap on each side of the centre section to allow for a ladder access.

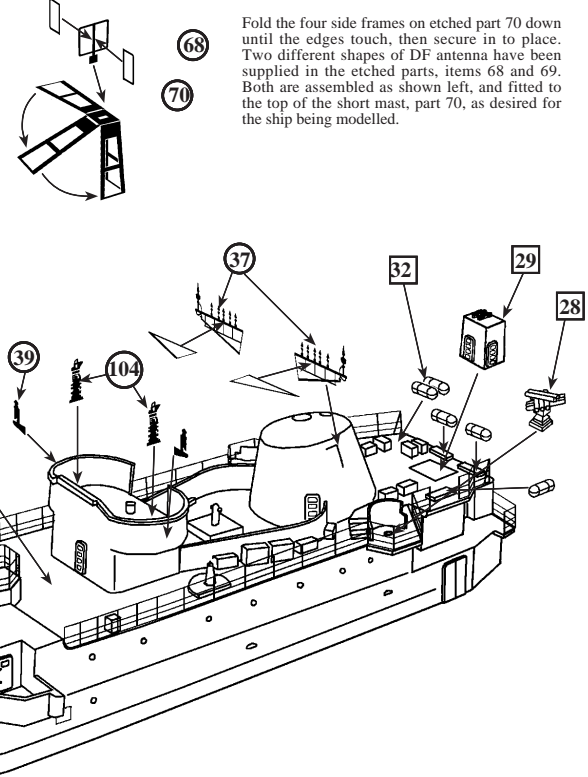
Fit the four Exocet missile box launchers into the mounting base. The two outboard boxes fit in between the splitter plates. If by any chance these splitter plates have been damaged by whatever cause, there are replacement parts in the etched detail set, etched parts 95 and 96.

Forward Superstructure Fittings



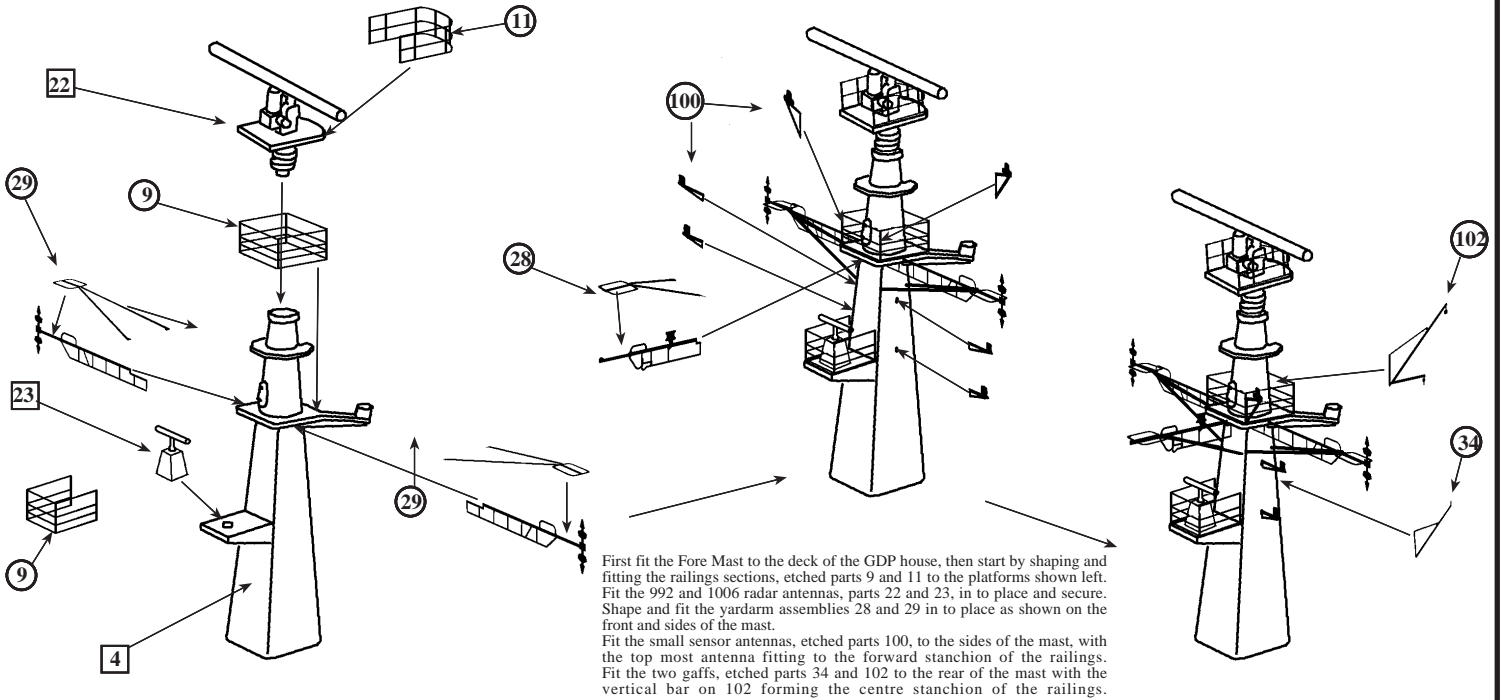
Shape and fit the railing sections to the edges of the top deck on the Forward Superstructure, etched parts 4 and 5. Note that the short sections of railing at the rear part of the deck are different lengths to fit around differing shaped deck edges. Shape and fit the railing sections, etched parts 6 and 13 to the platforms as shown above.

Fit the forward 904 Fire Control Director, metal part 25, to the platform behind the bridge as shown right.
Fit the DF antenna mast, etched part 70, centrally to the top deck, half way between the 904 platform and the GDP housing.
Fold the rangefinder sights, etched parts 104, in half so that the relief detail is outermost. Fit to the small raised platforms inside the GDP enclosure. Fit the small light fittings, etched parts 39, to the outside of the GDP bulwarks as shown right.
Fit the funnel yardarms, etched parts 37, to the sides of the forward funnel. Fit the SCOT communications house, metal part 29, to the raised rectangle on the deck, aft of the forward funnel.
Fit life raft canisters, metal parts 32, to the raised bases moulded on to the deck around the rear edges of the superstructure as shown right.



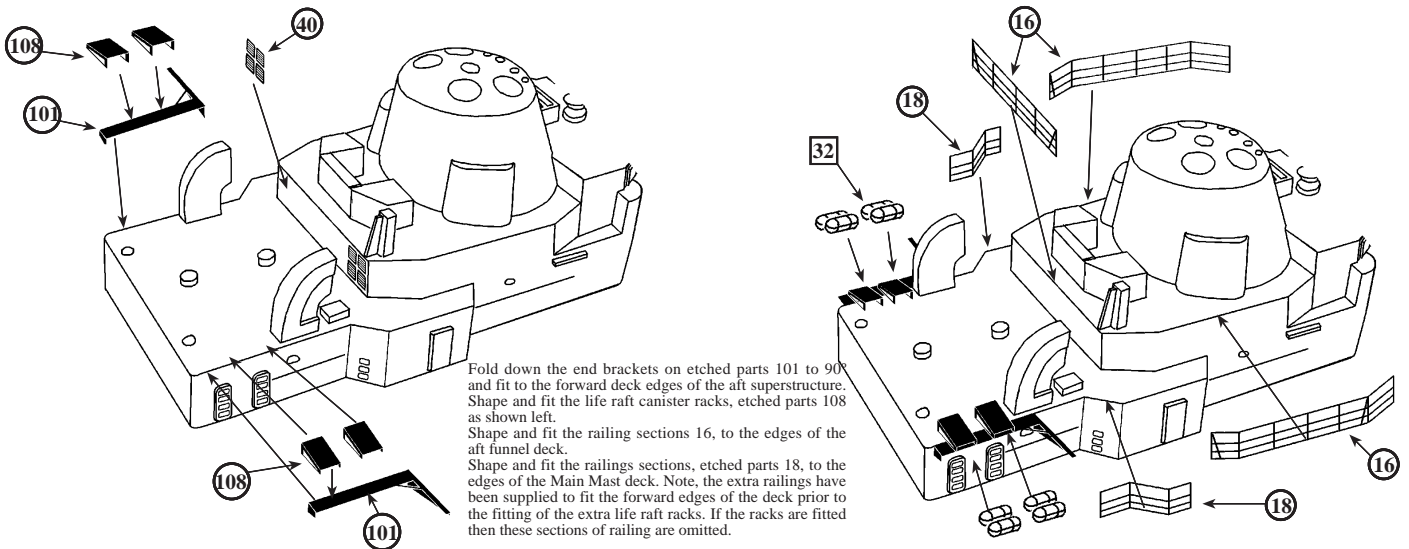
Fold the four side frames on etched part 70 down until the edges touch, then secure in to place. Two different shapes of DF antenna have been supplied in the etched parts, items 68 and 69. Both are assembled as shown left, and fitted to the top of the short mast, part 70, as desired for the ship being modelled.

Fore Mast Assembly



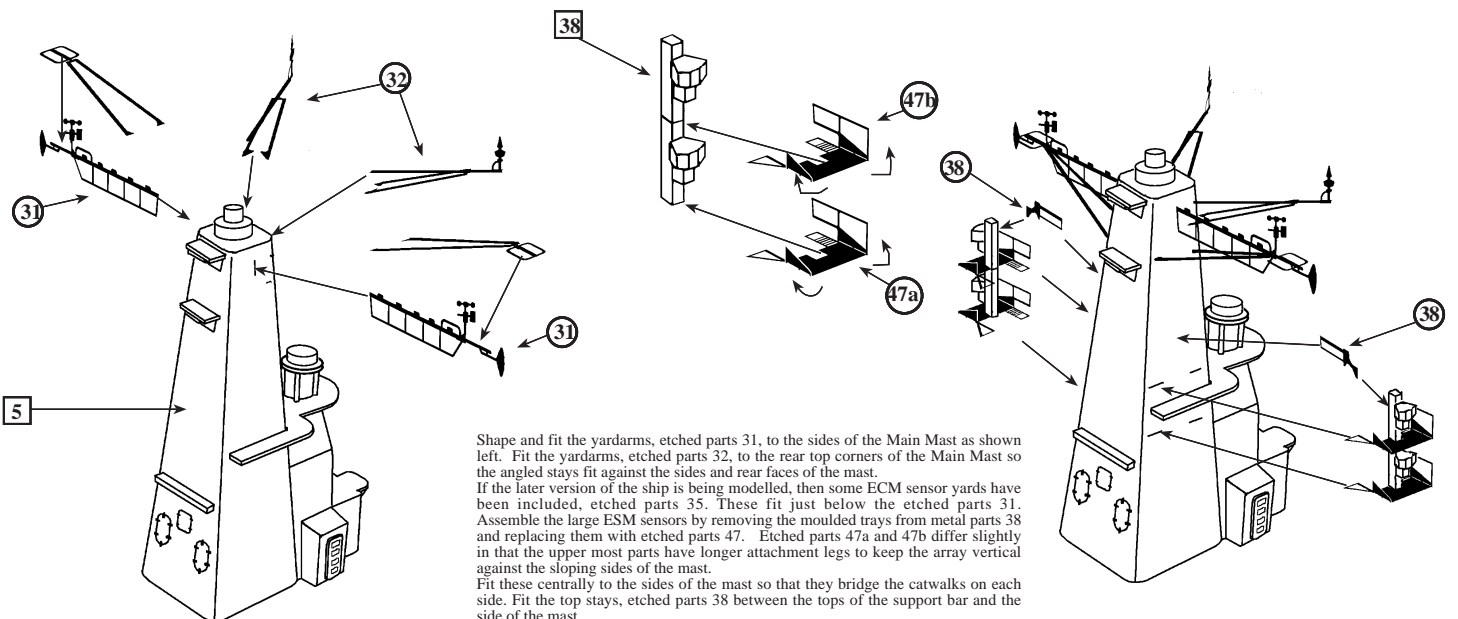
First fit the Fore Mast to the deck of the GDP house, then start by shaping and fitting the railings sections, etched parts 9 and 11 to the platforms shown left. Fit the 992 and 1006 radar antennas, parts 22 and 23, in to place and secure. Shape and fit the yardarm assemblies 28 and 29 in to place as shown on the front and sides of the mast. Fit the small sensor antennas, etched parts 100, to the sides of the mast, with the top most antenna fitting to the forward stanchion of the railings. Fit the two gaffs, etched parts 34 and 102 to the rear of the mast with the vertical bar on 102 forming the centre stanchion of the railings.

Aft Superstructure Fittings



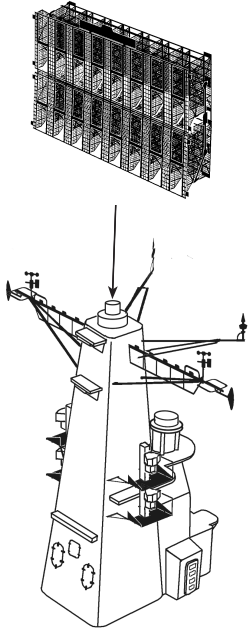
Fold down the end brackets on etched parts 101 to 90 and fit to the forward deck edges of the aft superstructure. Shape and fit the life raft canister racks, etched parts 108 as shown left. Shape and fit the railing sections 16, to the edges of the aft funnel deck. Shape and fit the railings sections, etched parts 18, to the edges of the Main Mast deck. Note, the extra railings have been supplied to fit the forward edges of the deck prior to the fitting of the extra life raft racks. If the racks are fitted then these sections of railing are omitted.

Main Mast Yardarms and ECM Antenna Assembly

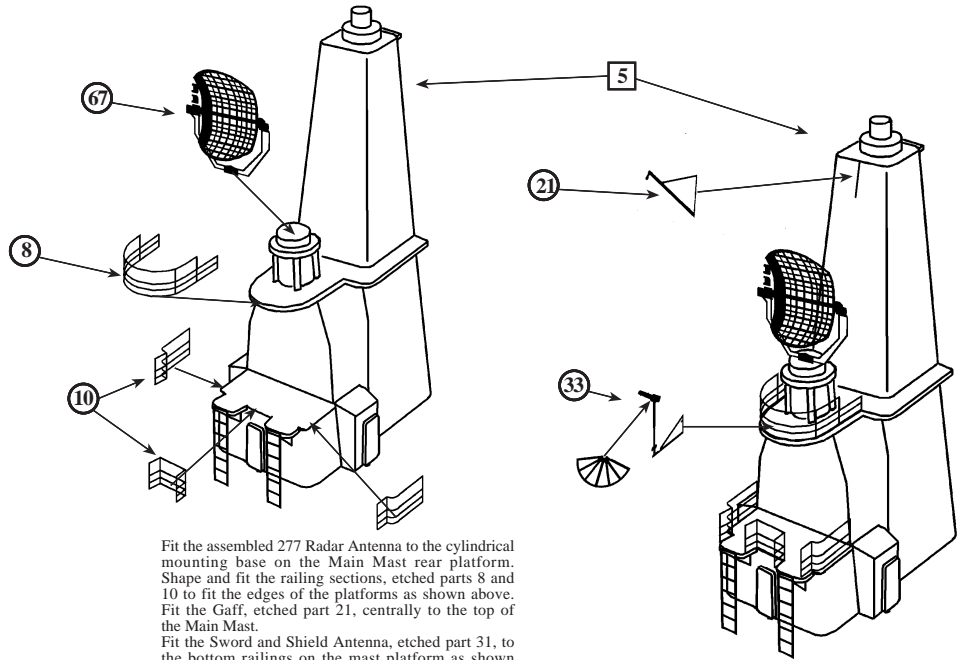


Shape and fit the yardarms, etched parts 31, to the sides of the Main Mast as shown left. Fit the yardarms, etched parts 32, to the rear top corners of the Main Mast so the angled stays fit against the sides and rear faces of the mast. If the later version of the ship is being modelled, then some ECM sensor yards have been included, etched parts 35. These fit just below the etched parts 31. Assemble the large ESM sensors by removing the moulded trays from metal parts 38 and replacing them with etched parts 47. Etched parts 47a and 47b differ slightly in that the upper most parts have longer attachment legs to keep the array vertical against the sloping sides of the mast. Fit these centrally to the sides of the mast so that they bridge the catwalks on each side. Fit the top stays, etched parts 38 between the tops of the support bar and the side of the mast.

Main Mast Radar Antenna Location

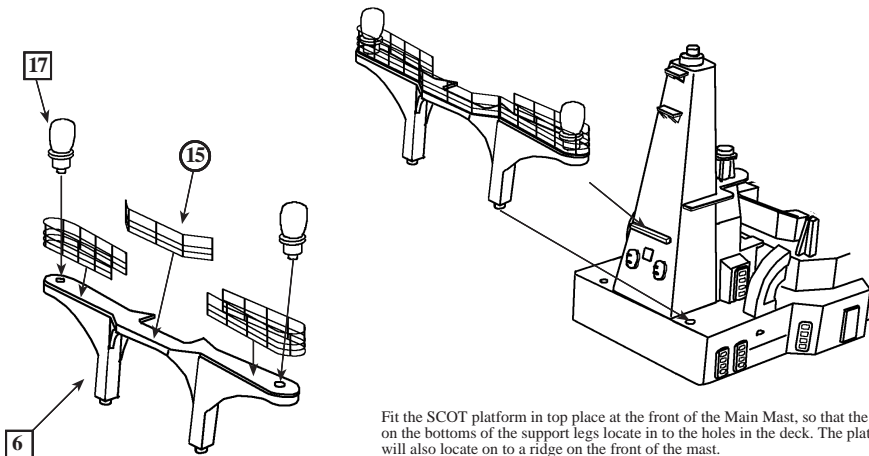


Fit the assembled 965 radar antenna to the spindle on top of the Main Mast as shown above.



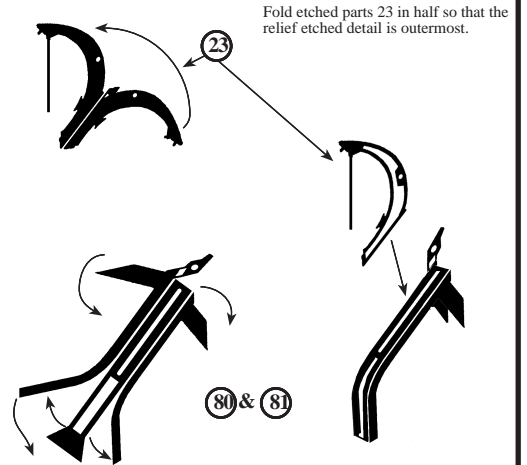
Fit the assembled 277 Radar Antenna to the cylindrical mounting base on the Main Mast rear platform. Shape and fit the railing sections, etched parts 8 and 10 to fit the edges of the platforms as shown above. Fit the Gaff, etched part 21, centrally to the top of the Main Mast. Fit the Sword and Shield Antenna, etched part 31, to the bottom railings on the mast platform as shown right.

SCOT Platform Assembly



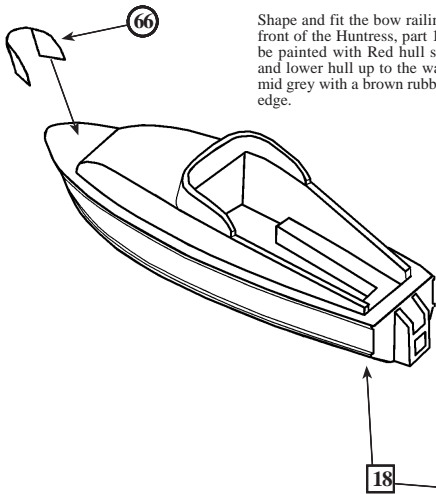
Fit the SCOT platform in top place at the front of the Main Mast, so that the lugs on the bottoms of the support legs locate in to the holes in the deck. The platform will also locate on to a ridge on the front of the mast. Fit the SCOT radomes, to the locating holes at the ends of the platform, then shape and fit the railing sections, etched parts 15, to the edges of the platform as shown left.

Boat Davit Assembly



Fold the sides of the the davit bases, etched parts 80 and 81, to 90° so that they are parallel, then curve the front frame around to fit against the top edges of the sides. Secure in to place. Fit the davit top, etched part 23, to the etched line on the base.

Aft Boat and Davit Positions

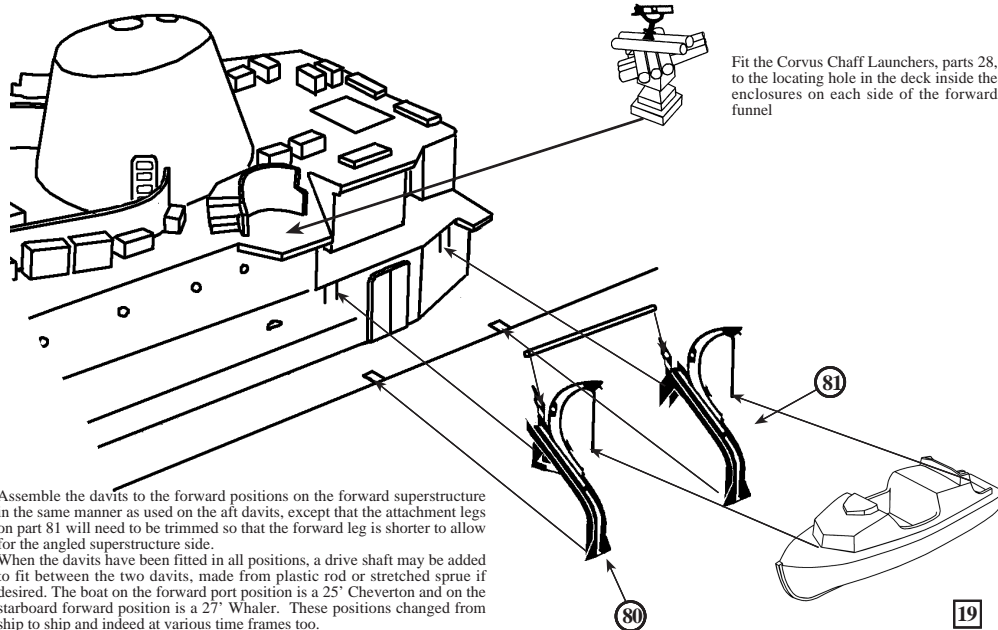


Shape and fit the bow railing, etched part 66, to the front of the Huntress, part 18. The Huntress should be painted with Red hull sides, White coach work and lower hull up to the waterline. The decks are a mid grey with a brown rubbing strip around the deck edge.

Fit the davits in to place at the aft positions with davit base 80 fitting forward against the side of the superstructure extension. The attachment legs of davit base 81 fit against the side of the aft superstructure as shown. In both case the davit front feet fit on to the raised squares at the edges of the main deck. The davits on the starboard side are fitted in exactly the same way, only mirrored.

To fit the Huntress to the davits, drill two small holes down through the deck in front of the forward cabin, and again through the deck in the well in front of the rear seat. Feed the two falls on the davits down through the holes until the boat sits correctly against the davits. This method is used for all the boats being fitted to the davits. The boat fitted to the aft position on the starboard side is one of the 25' Chevertons.

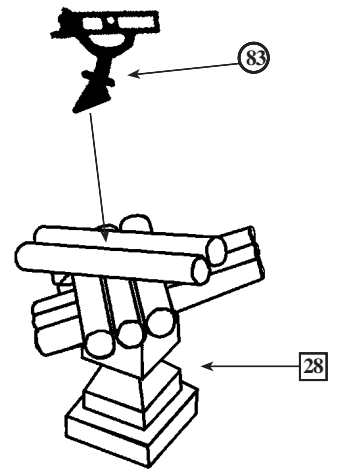
Forward Boat and Davit Positions



Fit the Corvus Chaff Launchers, parts 28, to the locating hole in the deck inside the enclosures on each side of the forward funnel

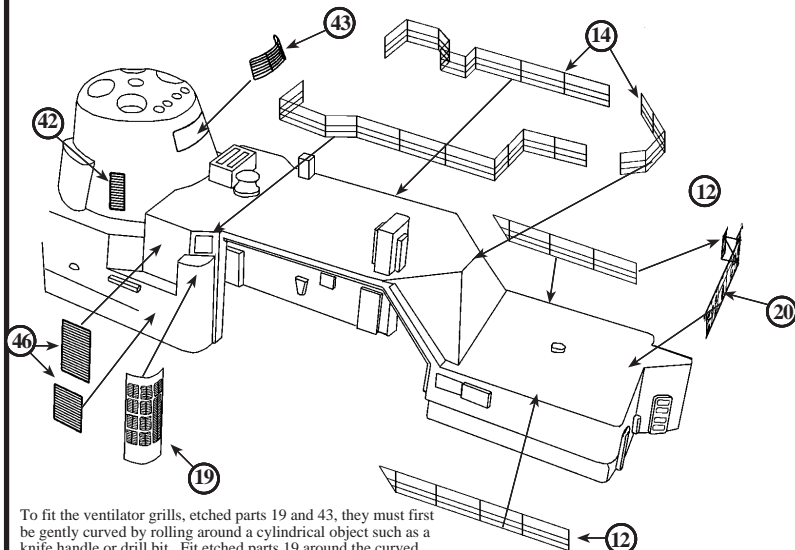
Assemble the davits to the forward positions on the forward superstructure in the same manner as used on the aft davits, except that the attachment legs on part 81 will need to be trimmed so that the forward leg is shorter to allow for the angled superstructure side.
When the davits have been fitted in all positions, a drive shaft may be added to fit between the two davits, made from plastic rod or stretched sprue if desired. The boat on the forward port position is a 25' Cheverton and on the starboard forward position is a 27' Whaler. These positions changed from ship to ship and indeed at various time frames too.
An extra set of davits, etched parts 82 has been included to fit to the mid position on some ships, that had their boats located differently.

Corvus Chaff Launcher



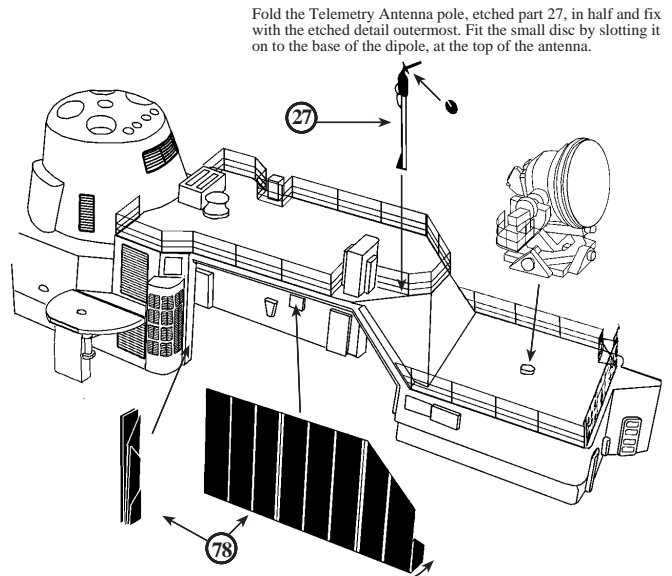
Fold the Corvus sight, etched part 83 in half so that the relief etched detail is outermost and fix in to place on top of the launcher barrels as shown above.

Aircraft Hangar Fittings



To fit the ventilator grills, etched parts 19 and 43, they must first be gently curved by rolling around a cylindrical object such as a knife handle or drill bit. Fit etched parts 19 around the curved pillars on both port and starboard sides of the aircraft hangar, along with the vent grills, etched parts 46.
Shape and fit the railing sections, etched parts 12 and 14 to fit around the deck edges as shown. The shorter length of 12 fits on the starboard side.

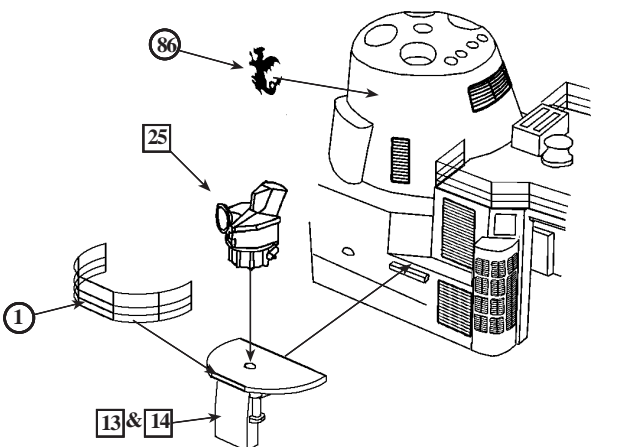
Shape the starboard end of the Floodlight Frame, etched part 20, to form a step that will meet up to the shorter length of railing on the starboard side, when fixed in place.



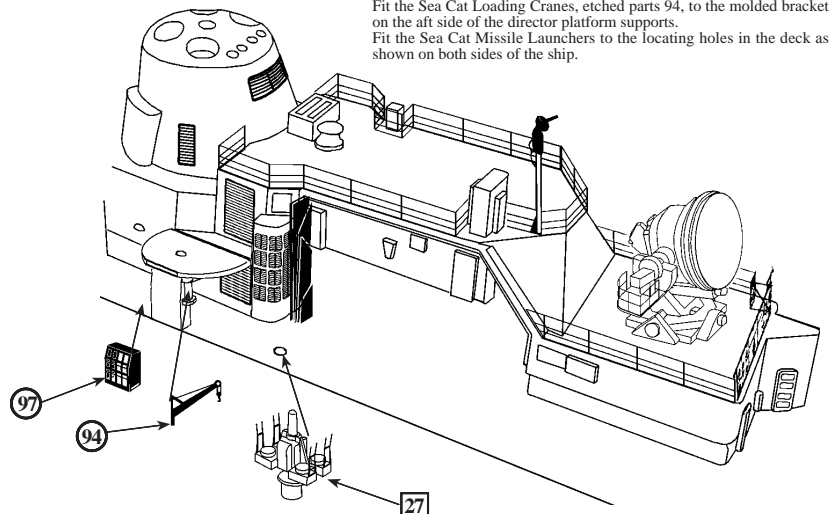
Fold the Telemetry Antenna pole, etched part 27, in half and fix with the etched detail outermost. Fit the small disc by slotting it on to the base of the dipole, at the top of the antenna.

The Hangar Doors, etched part 78, may be fitted in either the open or closed position. To open the doors, concertina them by folding the sections between the etched lines alternately. Fix to the forward pillar as shown above.

Sea Cat Director and Launcher Location



Fit the Sea Cat Director Platforms, parts 14 to port and 15 to starboard, to the ridge on the side of the aft superstructure. The foot of the vertical support should fit right against the edge of the deck. Shape and fit some stock railing around the edge of the platform.
Fit the ships funnel badges, etched part 86, to each side of the funnel. These are mirrored images.



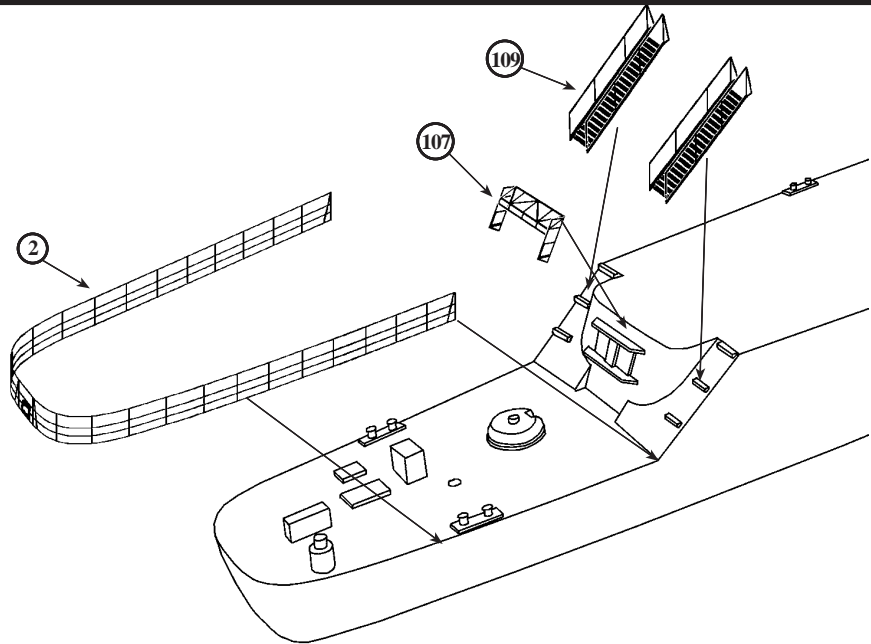
Fold the Fuel Can Racks, etched parts 97, to shape and fit in place just forward of the director platform supports on both sides of the ship. Fit the Sea Cat Loading Cranes, etched parts 94, to the molded bracket on the aft side of the director platform supports.
Fit the Sea Cat Missile Launchers to the locating holes in the deck as shown on both sides of the ship.

Quarterdeck Railings and Ladders

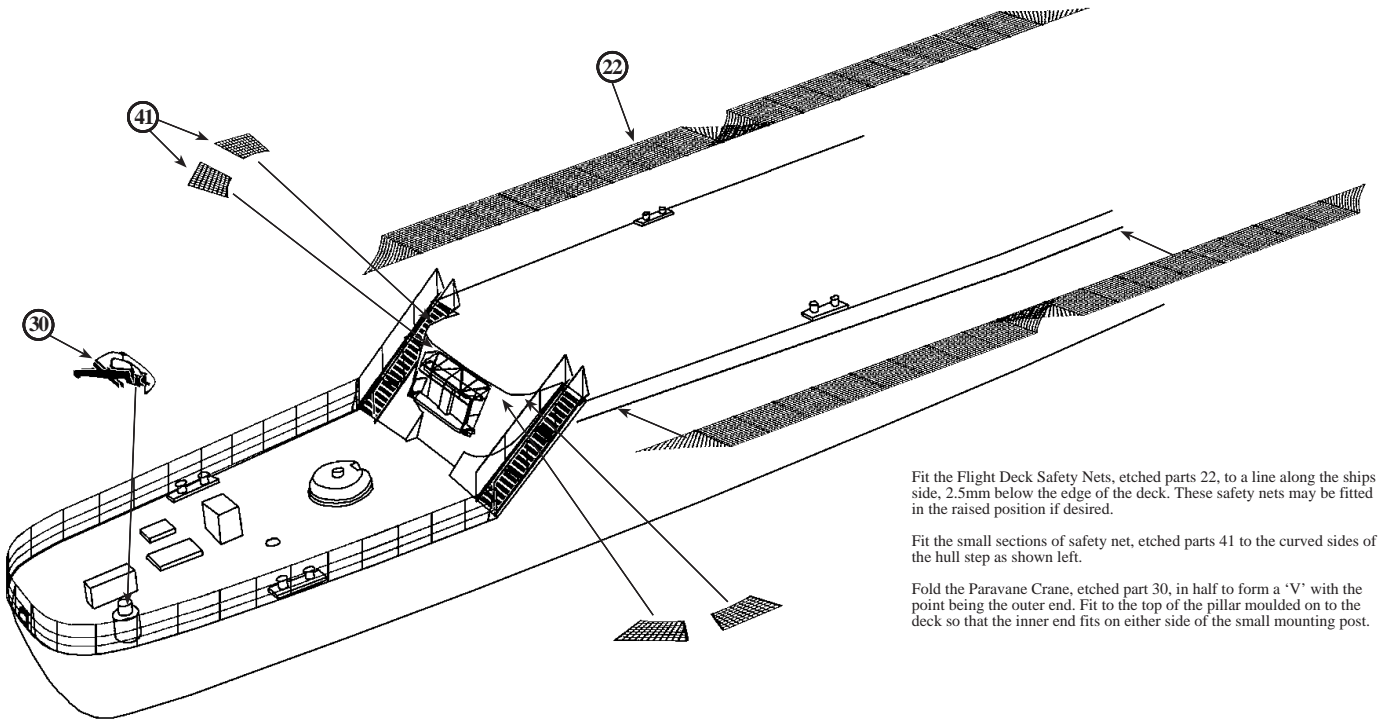
Fold up the handrails on the inclined ladders, etched parts 109, to 90° and fit the ladders to the support bars on the angled hull step. The top handrail stanchions should then locate over the edge of the flight deck.

Shape and fit the Quarterdeck railing section, etched part 2, to the edges of the deck as shown right.

Shape the Sea Slug Missile door frame by folding the side frames down to 90° so that they are parallel, then bring the centre frame down so that outer edges match the angled stay on the side frames. Secure in to place and fit the assembly to fit above the moulded door frame.



Flight Deck Safety Net Location



Fit the Flight Deck Safety Nets, etched parts 22, to a line along the ships side, 2.5mm below the edge of the deck. These safety nets may be fitted in the raised position if desired.

Fit the small sections of safety net, etched parts 41 to the curved sides of the hull step as shown left.

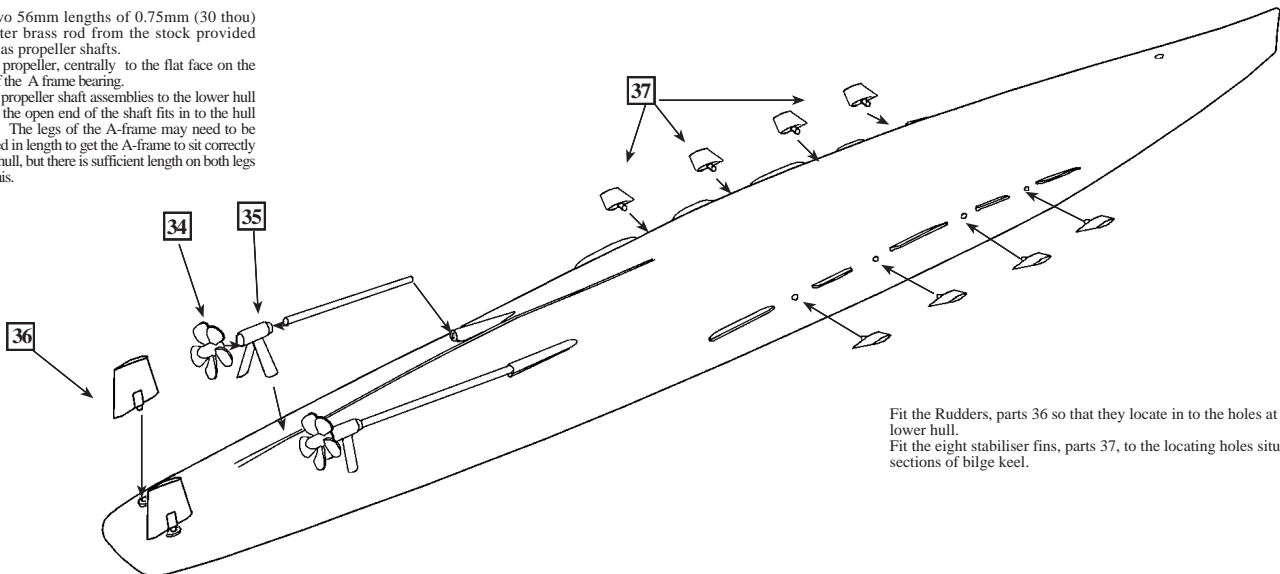
Fold the Paravane Crane, etched part 30, in half to form a 'V' with the point being the outer end. Fit to the top of the pillar moulded on to the deck so that the inner end fits on either side of the small mounting post.

Lower Hull Running Gear Location

Cut two 56mm lengths of 0.75mm (30 thou) diameter brass rod from the stock provided to use as propeller shafts.

Fit the propeller, centrally to the flat face on the front of the A frame bearing.

Fit the propeller shaft assemblies to the lower hull so that the open end of the shaft fits in to the hull sleeve. The legs of the A-frame may need to be trimmed in length to get the A-frame to sit correctly on the hull, but there is sufficient length on both legs to do this.



Fit the Rudders, parts 36 so that they locate in to the holes at the very stern of the lower hull.

Fit the eight stabiliser fins, parts 37, to the locating holes situated in between the sections of bilge keel.

Westland Wessex HAS 3

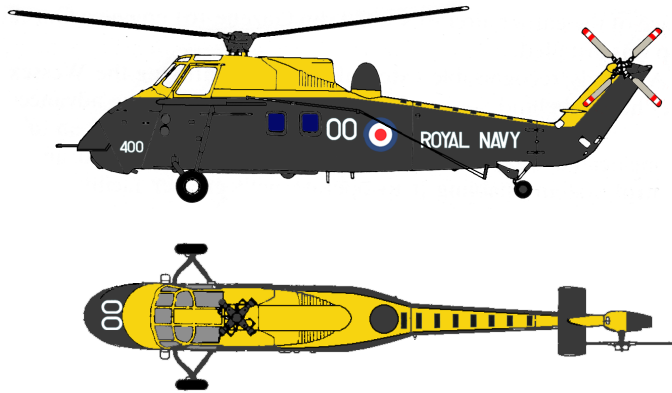
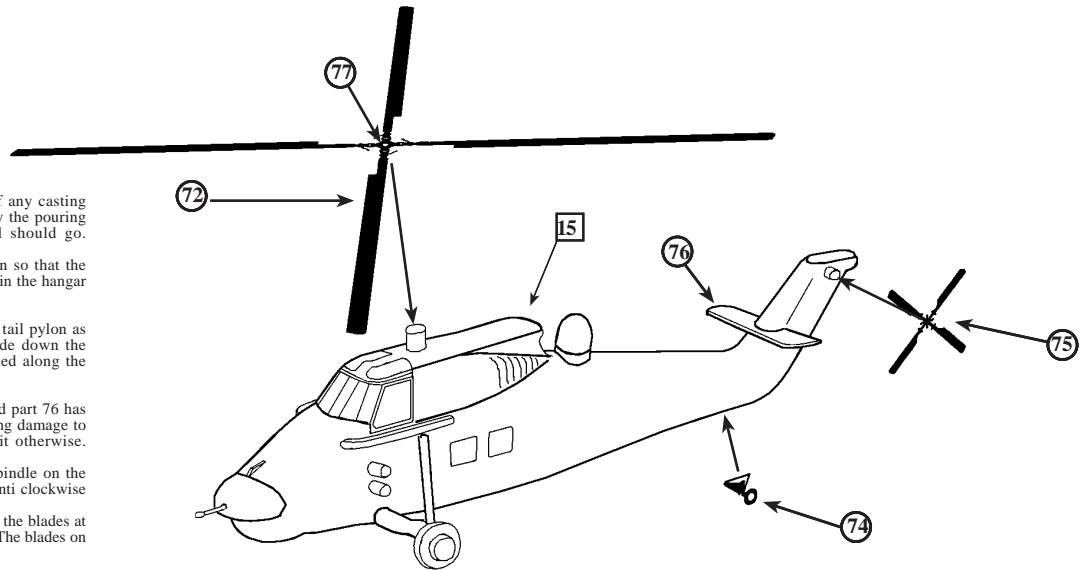
To assemble the Wessex helicopter, first clean off any casting flash that may be around the extremities, especially the pouring lug that has been situated where the tail wheel should go. Remove this and smooth in the surface.
A choice of spread or folded rotors has been given so that the modeller may choose to have the helicopter stowed in the hangar if desired.

Fit the tail rotor, etched part 75, in to place on the tail pylon as shown. To fold the tail a cut will have to be made down the fuselage just aft of the tail wheel and the tail folded along the port side of the fuselage.

Fit the tail wheel etched part 74, in to place. Etched part 76 has been supplied as a replacement in case of any casting damage to the horizontal stabiliser, and is not essential to fit otherwise.

Fit the main rotor blades, etched part 77, to the spindle on the top of the fuselage, so the rotation would be in an anti clockwise direction when viewed from above.
If the folded blades, etched parts 71, are fitted, bend the blades at the root so that they lay flat along side the fuselage. The blades on the port side lay outboard of the folded tail pylon.

Decals have been supplied on the decal sheet so that the Wessex can receive markings for any one of the helicopters carried by the eight ships of the class. The locations of these markings are shown below.



Ships Flights Markings

HMS Devonshire 403/DV HMS Hampshire 402/HA HMS Kent 401/KE
HMS London 405/LD HMS Antrim 406/AN HMS Glamorgan 400/GL
HMS Fife 404/FF HMS Norfolk 407/NF



Other Colours Used

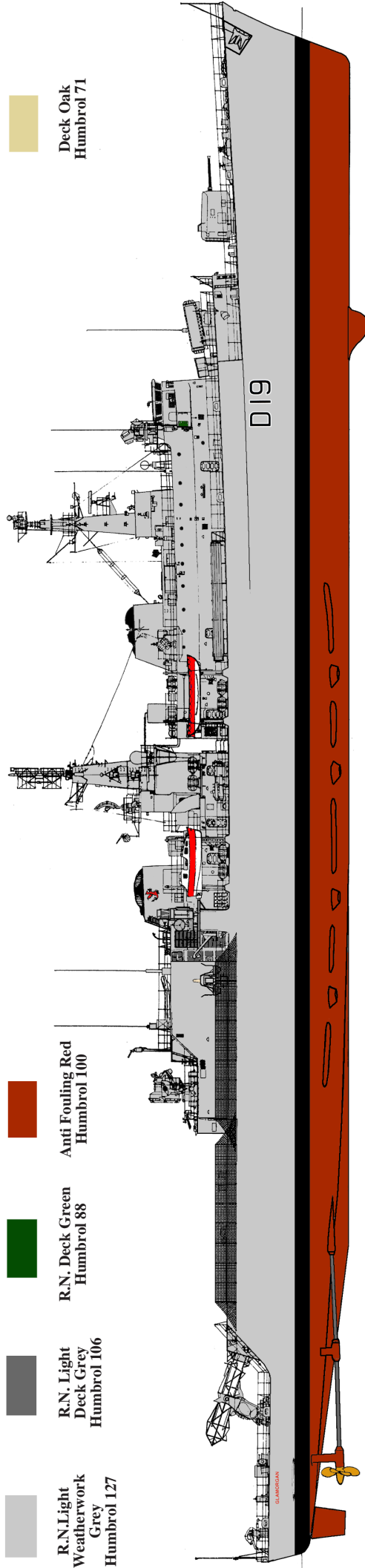
Matt Black..... Wheel Tyres, Undersides of Rotor Blades.
Olive Green... Top Surfaces of Rotor Blades
Red and White ... Tail Rotor Blade Tips
Medium Grey.... Tail Rotor Blades

Other Instructions

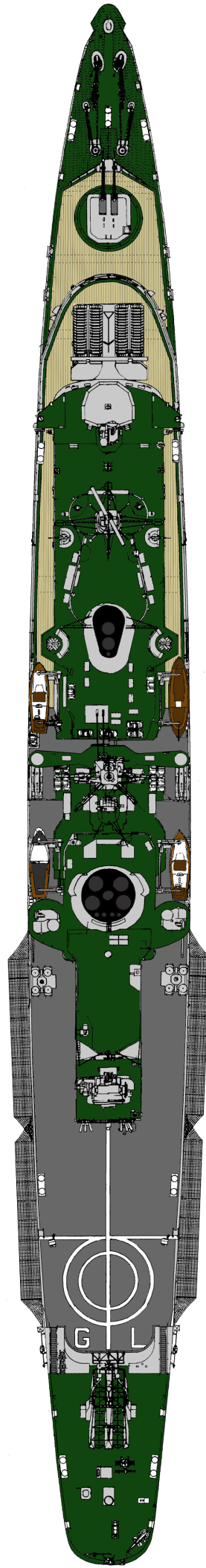
1. Stock lengths of railings, etched parts 1, have been supplied to fit between the ends of the forward hull step railings, and the aft director platforms. There are several gaps in the railing along the ships side where there are life raft canister racks, and the accommodation ladders, so these railings will need to be cut into shorter sections.
2. Life Raft Canister Racks, etched parts 108, have been provided to cover the areas requiring double canister mounting. Some of these have already been covered in the diagrams, but there are some racks fitted to the main deck as well. The locations of these are that there are two racks between each of the boat davits on the starboard side, and another two racks between the aft boat davits on the port side.
3. Accommodation Ladders (Stowed) Etched parts 99, fit to the deck edges on both side of the ship, just forward of the forward boat davits, with the landings positioned at the front.
4. The STWS Triple Torpedo tube mountings, parts 26, are fitted into the locating holes in the main deck, between the fore and aft boat davits.
5. Inclined Ladders have been supplied in different lengths to fit various locations on the ship. The longest ladders have already been covered in a diagram, but the small ones fit as follows. Etched part 105, is a spare and is usually stowed inboard of the port ladder on the angled aft hull step. Etched Part 106, fits from the main deck to the small landing on the port side inboard of the forward boat davits. Etched part 110, fits to the rear of the forward 904 director platform.
6. Stock lengths of vertical ladder, etched parts 111, have been supplied to fit to areas that require them. The rear of the GDP is one such place, on the starboard side of the mast base.
7. Anchor chain, etched parts 26, has been supplied to run from the capstans on the focsle to the hawse-pipes. There is also sufficient to run some chain from the hawse pipes to the surface of the water, if the kit is being modelled as a waterline diorama with the ship at anchor.
8. Etched parts 91 and 92, are life belts in their ejector racks. These are located on the rear of the bridge wings.
9. Dan Bouys, etched parts 98, are supplied for fitting to the edges of the deck, outboard of the aft hull step inclined ladders.
10. Etched parts 36, are the name plates for all of the ships in this class. These are located on each side of the forward superstructure just aft of the forward door on the starboard side, and in a comparable position on the port side.
11. Funnel badges for all of the ships of the class have been provided. These are listed in the parts list as to which ships they belong. The fitment of these badges varied from ship to ship, some placed on the fore funnel, some on the aft funnel. Further research will be necessary to establish the correct location of these items.
12. Etched part 85, is a Replenishment Jackstay and is fitted to the front deck edge of the forward hull step. The tripod legs are angled aft so that they bridge over the forward railing.
13. Further reference material is available online at a website dedicated to the County Class Destroyers.. <http://www.countyclassdestroyers.co.uk/> This site has an excellent library of colour and black and white photographs, some at a high resolution, that are valuable to the modeller looking for accuracy in their model.

COLOUR CHART & PAINTING GUIDE

All paint references in this colour guide are for the Humbrol Enamel paint range.



H.M.S. Glamorgan 1979



Other Colours Used

- Matt Black.... Funnel Caps, Waterline Boot Topping, Bridge Windows, Gun Barrells.
- Matt White... Bollards and Fairleads, Life Raft Canisters, Ships Boats Hull Bottoms and Coach Tops
- Dark Blue or Red... Ships Boats Hull sides
- Natural Wood... Ships Boats Decks and Interiors

Ships of the class Pennant Numbers and Deck Code Letters

- HMS Devonshire D02 / DV
- HMS Kent D12 / KE
- HMS Antrim D18 / AN
- HMS Fife D20 / FF
- HMS Hampshire D06 / HA
- HMS London D16 / LD
- HMS Glamorgan D19 / GL
- HMS Norfolk D21 / NF

Deck Oak
Humbrol 71

Anti Fouling Red
Humbrol 100

R.N. Deck Green
Humbrol 88

R.N. Light Deck Grey
Humbrol 106

R.N. Light Weatherwork Grey
Humbrol 127