

Leander Class Frigate H.M.S. CLEOPATRA 1966-1992 1/350 Scale

The Type 12 (Improved) or Leander Class Frigates that were introduced into Royal Navy service from the early 1960's, were the most numerous of any of the classes of ships of the modern era.

The design of the Leander class was based on the earlier Whitby and Rothesay class Type 12 hull, which had already proved it's excellent sea keeping qualities, but had a simplified superstructure layout which included a built in helicopter hangar. The hull was built up flush with the main deck at the stern, which gave a better protected area for the variable depth sonar installation as well as improved deck space around the mortar well . The Leander class Frigates were split into three batches and were built between 1959 and 1973. The first batch of 10 was fitted with Y100 machinery the second batch of 6 having the upgraded Y136 machinery fitted. The third batch of 10 ships were known as the Broad Beam Leanders and had a hull that was wider by 2 feet to accommodate the Y160 machinery fit.

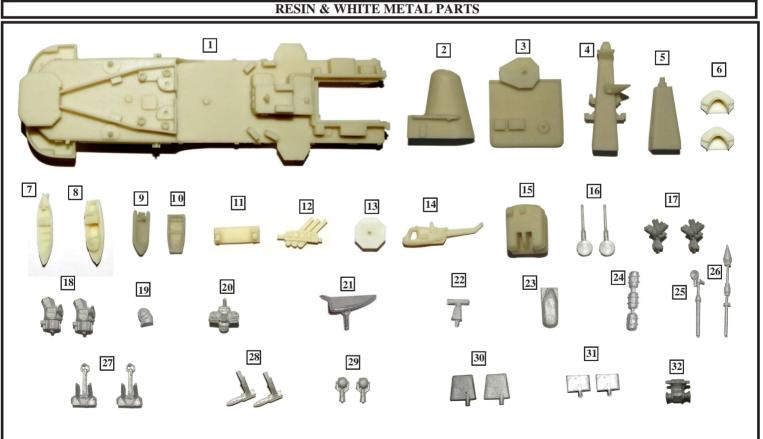
HMS Cleopatra, was the last ship of the first batch of the Leander class and was laid down at HM Dockyard, Devonport on 19th June 1963. She was launched on 25th March 1964 and commissioned into service on 4th January 1966.

'Cleo' as she became known joined the 2nd Destroyer Squadron of the Far East Fleet to where she was deployed for the first part of her career. This also involved taking station off the coast of Mozambique on the famous Beira patrol, which was designed to prevent oil from reaching the landlocked Rhodesia, who had unilaterally declared independence.

During 1969, HMS Cleopatra was one of the 5 ships escorting HMAS Melbourne when the Melbourne was involved in the catastrophic collision with the destroyer USS Frank E. Evans and became involved in the subsequent rescue operation.

Early 1972 saw 'Cleo' on escort duties for Her Majesty the Queen and Prince Philip's tour of South East Asia, then in 1973 she was assigned to the North Atlantic area to protect British trawlers from the Icelandic gun boats during the second 'Cod War'.

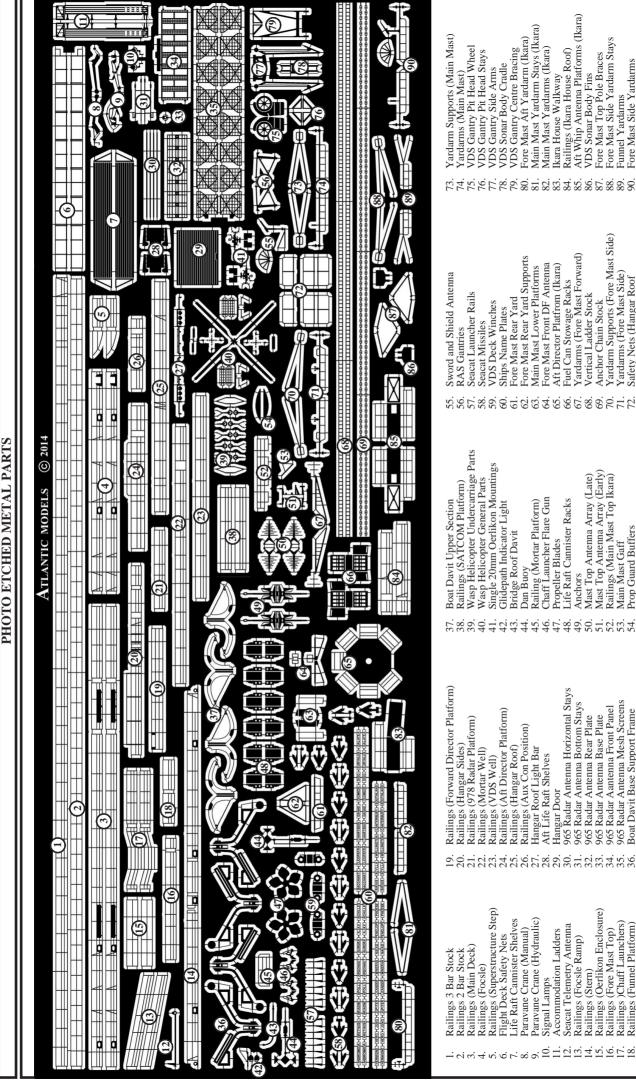
HMS Cleopatra then began her mid life refit, during which she had her twin 4.5" Mk6 Turret removed and replaced with a bank of four Exocet missile box launchers. She and HMS Penelope were the only Batch 1 Leanders to have this modification, as the other eight were converted for Ikara. 1982 saw 'Cleo' in refit again having the large Towed Array Sensor equipment fitted to the stern and the superstructure modified with the larger hangar to accommodate the Lynx helicopter that was replacing the Wasp on all small ships. The mortar well was plated over to make a larger flight deck for Lynx operations. She continued to carry out her duties through the 1980's though she was starting to show her age by the early 90's. On January 31st 1992 HMS Cleopatra was decommissioned and sold for scrap the following year.



- Main Superstructure Unit
- Funnel
- 3. Hangar Roof and Director Platform
- 4. Fore Mast 5.
- Main Mast
- Chaff Launcher Enclosures 6.
- 7. 27' Whaler 8. 25' Cheverton Motor Boat
- 9. Gemini Inflatable Boat
- 10. Punt
- 11. Mortar Mounting Base
- 12. Limbo AS Mortar Mk10
- 13. Forward Director Platform
- 14. Wasp Helicopter
- 15. 4.5" Mk6 Twin Gun Turret 16. 4.5" Gun Barrels

17. Corvus Chaff Launchers

- 18. GWS22 Directors
- 19. Aft Director Tub
- 20. Seacat Missile Launcher
- 21. 993 Radar Antenna
- 22. 978 Radar Antenna
- 23. VDS Sonar Body
- 24. Life Raft Cannisters
- 25. Fore Mast Top Array (Early)
- 26. Fore Mast Top Array (Late)
- 27. Anchors
- 28. Propeller Bearings
- 29. Searchlights
- 30. Rudders
- 31. Stabiliser Fins
- 32. Aft Deck Windlass



Note: Additional Photo-Etched parts are included in this set that are not required by the basic kit, but are for the Ikara Leander version. Instructions for the coversion and the use of the alternATIVE etrched parts are included in the Ikara Leander conversion set, available from Atlantic Models.

Aft Whip Antenna Platforms (Ikara)

Railings (Ikara House Roof)

Ikara House Walkway

Fore Mast Side Yardarm Stays

(ardarm Supports (Fore Mast Side)

(ardarms (Fore Mast Side)

Safety Nets (Hangar Roof

Yardarms (Fore Mast Forward)

Vertical Ladder Stock

Anchor Chain Stock

Mast Top Antenna Array (Early) Mast Top Antenna Array (Late) Railings (Main Mast Top Ikara)

Prop Guard Buffers

Main Mast Gaff

965 Radar Antenna Mesh Screens

Boat Davit Base Support Frame

965 Radar Aantenna Front Panel

Life Raft Cannister Racks

965 Radar Antenna Horizontal Stays

Hangar Door

965 Radar Antenna Bottom Stays

965 Radar Antenna Rear Plate 965 Radar Antenna Base Plate

Anchors

Propeller Blades

Aft Director Platfrom (Ikara)

Fuel Can Stowage Racks

Fore Mast Side Yardarms

Funnel Yardarms

Fore Mast Top Pole Braces

VDS Sonar Body Fins

Seacat Telemetry Antenna Railings (Funnel Platform) Railings (Focsle Ramp) Signal Lamps 10.

Accommodation Ladders

Railings (Oerlikon Enclosure)

Railings (Stern)

Railings)Chaff Launchers)

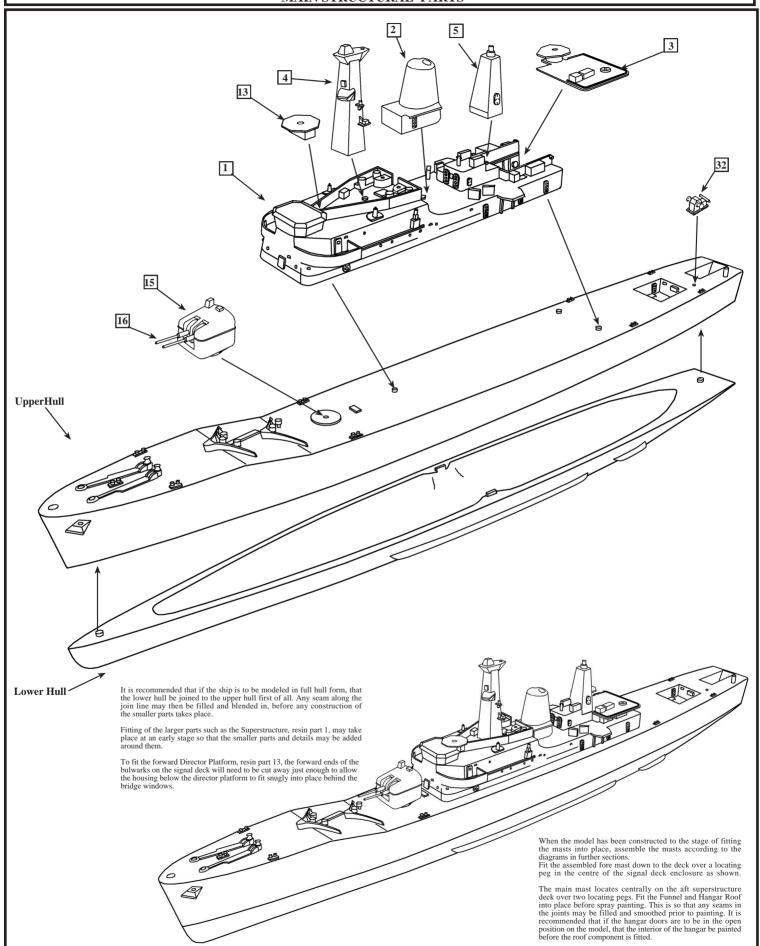
Railings (Fore Mast Top)

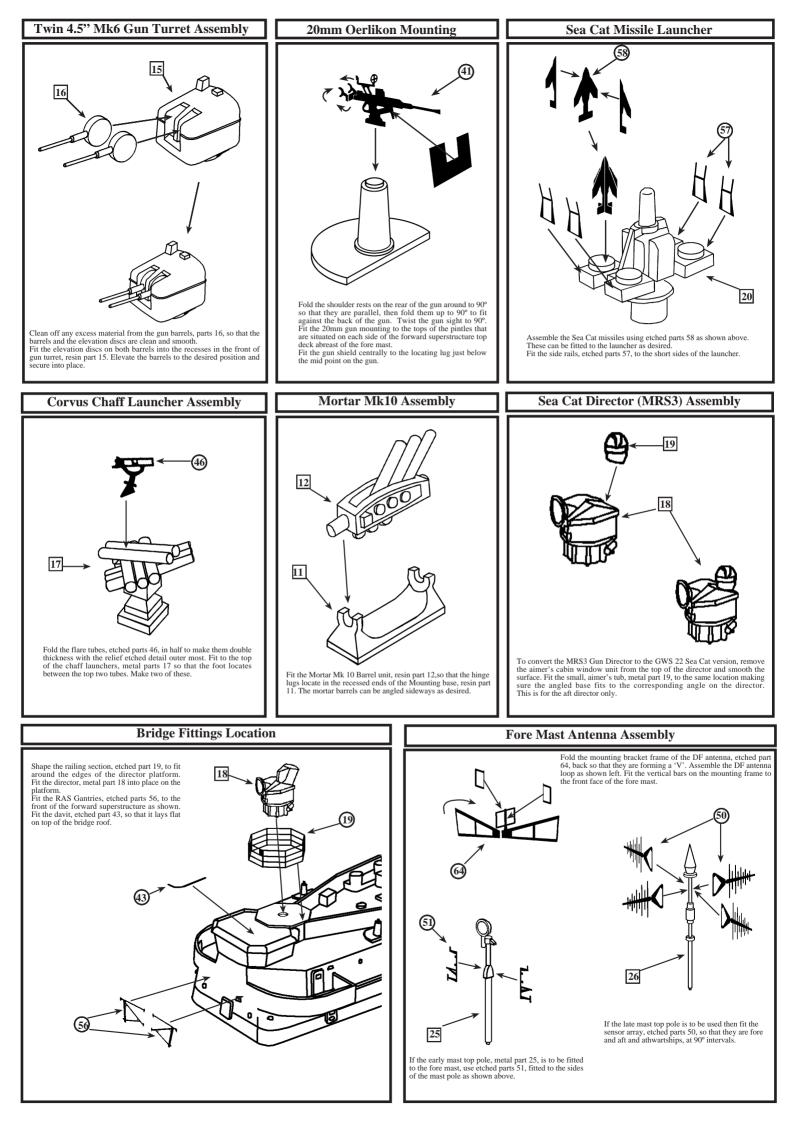
General Precautions

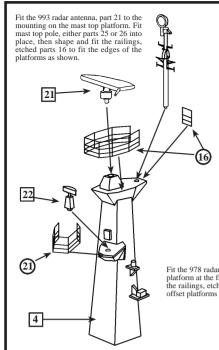
When assembling a Resin / Photoetched metal kit, certain precautions must first be taken.
Resin dust can be harmful if inhaled. It is recommended that you wear a suitable dust mask when drilling or sanding resin parts.
Cyano adhesives (super glues) are generally used to assemble this type of kit. Care must be taken when using this type of adhesive as it will bond in seconds. Follow the advice on the container.

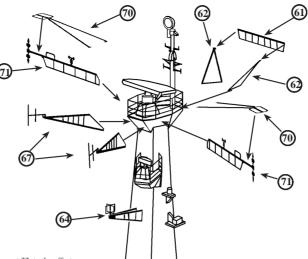
3.Wash resin parts in a solution of warm soapy water before assembly. This will remove any residual mold release agents and ensure a good key for 4. Soak photoetch parts in a suitable solvent, such as white spirit, to degrease the surfaces prior to painting.

MAIN STRUCTURAL PARTS



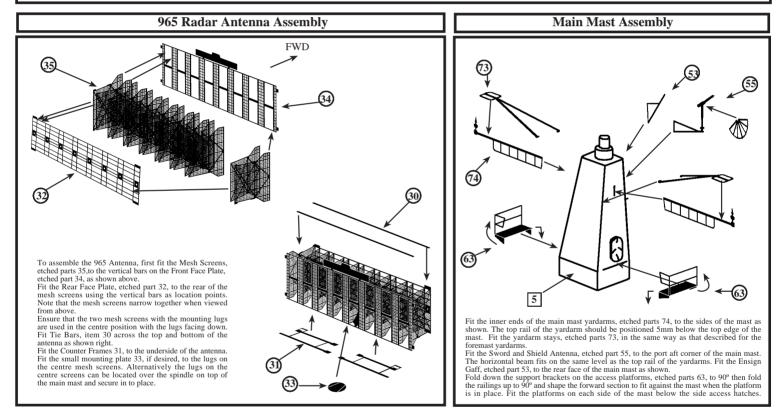






Fit the 978 radar antenna, part 22, to the offset platform at the front of the mast. Shape and fit the railings, etched part 21, to the edges of the offset platforms as shown.

Fit the rear yardarm support brackets, etched parts 62, to the rear angled edges of the mast top platform. Angle them up equally so that the top locating lugs fit onto the ends of the yardarm, etched part 61. Fit the inner ends of the side yardarms, etched parts 71, so that they locate into the angle formed by the mast top platform where it meets the mast side. Fit the supports stays, etched parts 70, so that the loop antennas fit on top of the outer ends of the yardarms. Angle the stays downward until they touch against the mast then fix into place. Fit the forward yardarms, etched parts 67, under the mast top platform overhang.



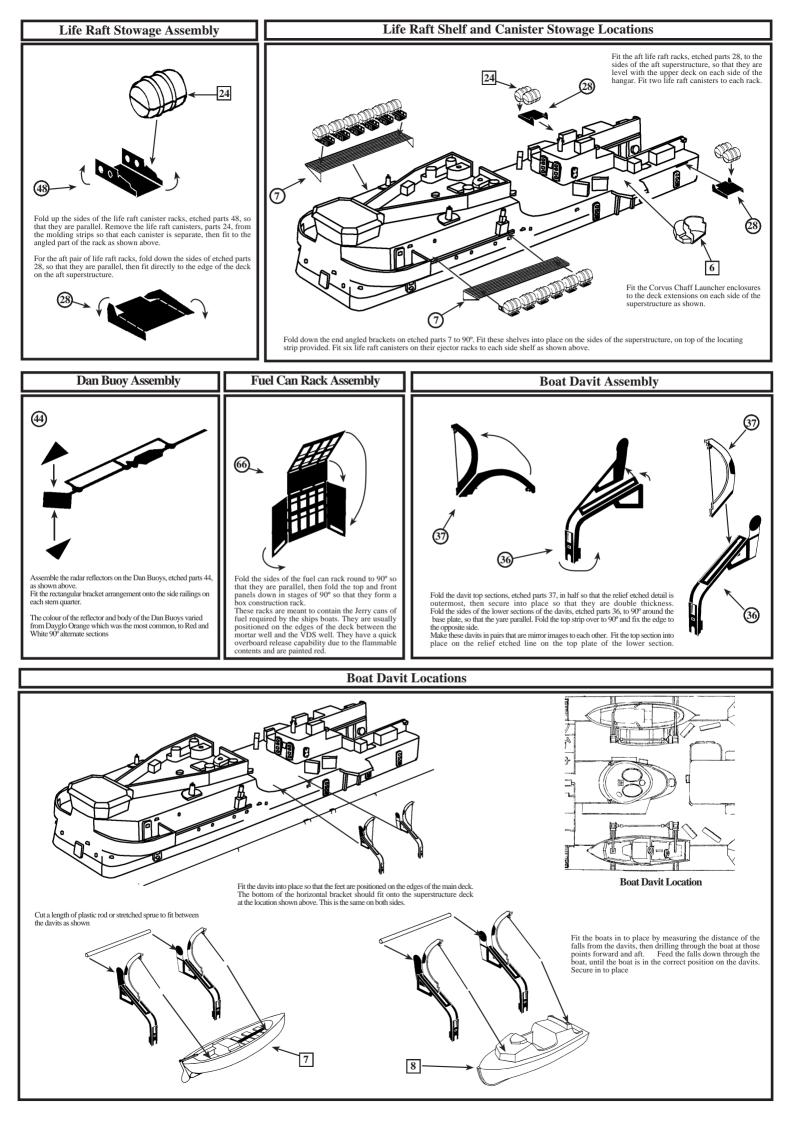
965 Radar Antenna Location

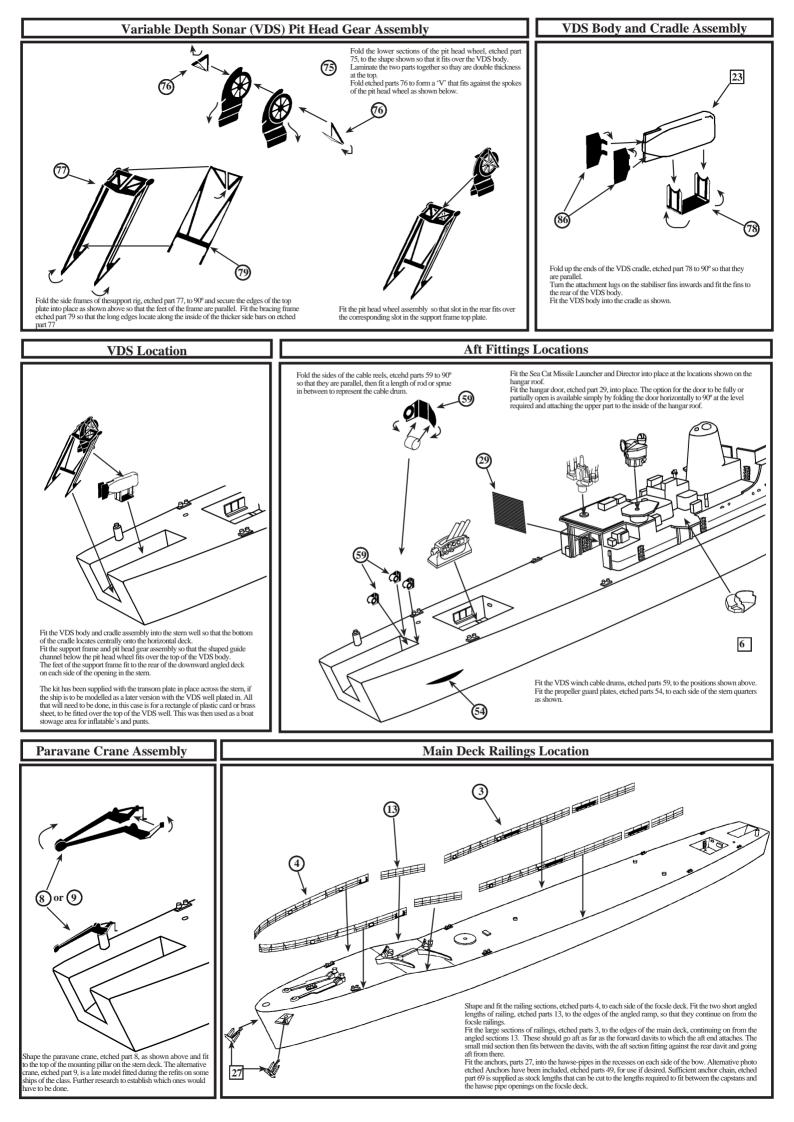
Fit the completed 965 radar antenna, so that the narrow lug on the top of the main mast fits into the locating 'V' formed by the centre mesh screens. Alternatively, if the circular mounting plate has been fitted to the base of the antenna, cut off the narrow lug and fit the antenna directly onto the larger circle.

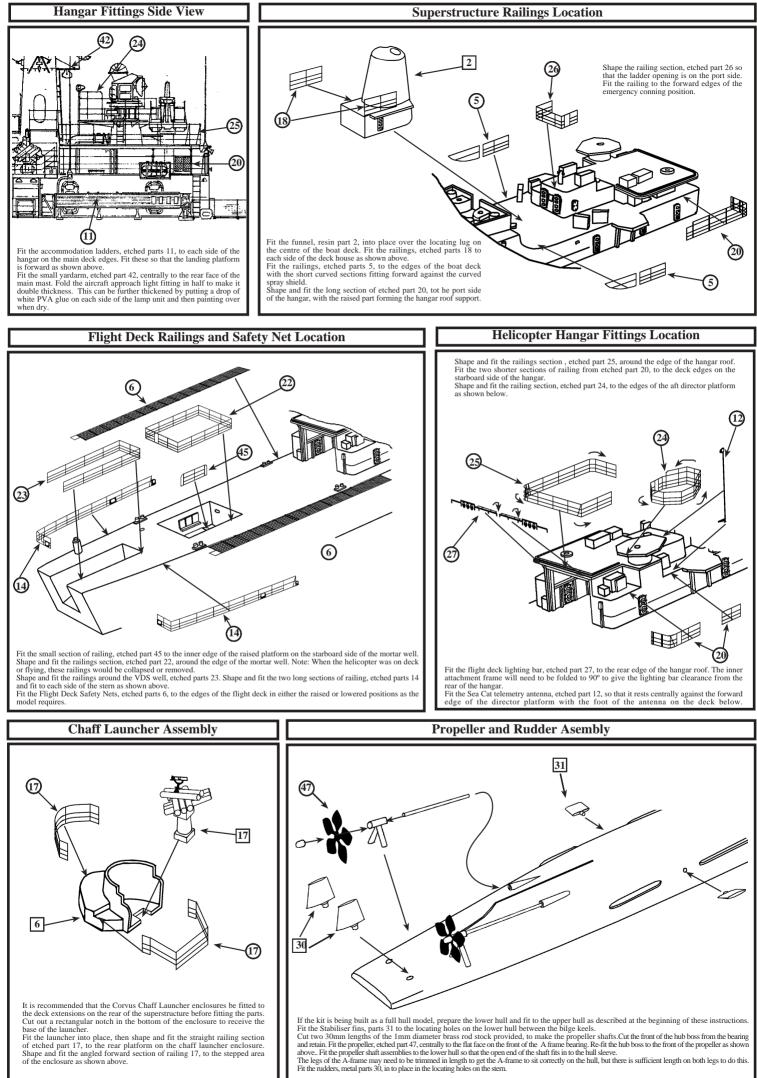
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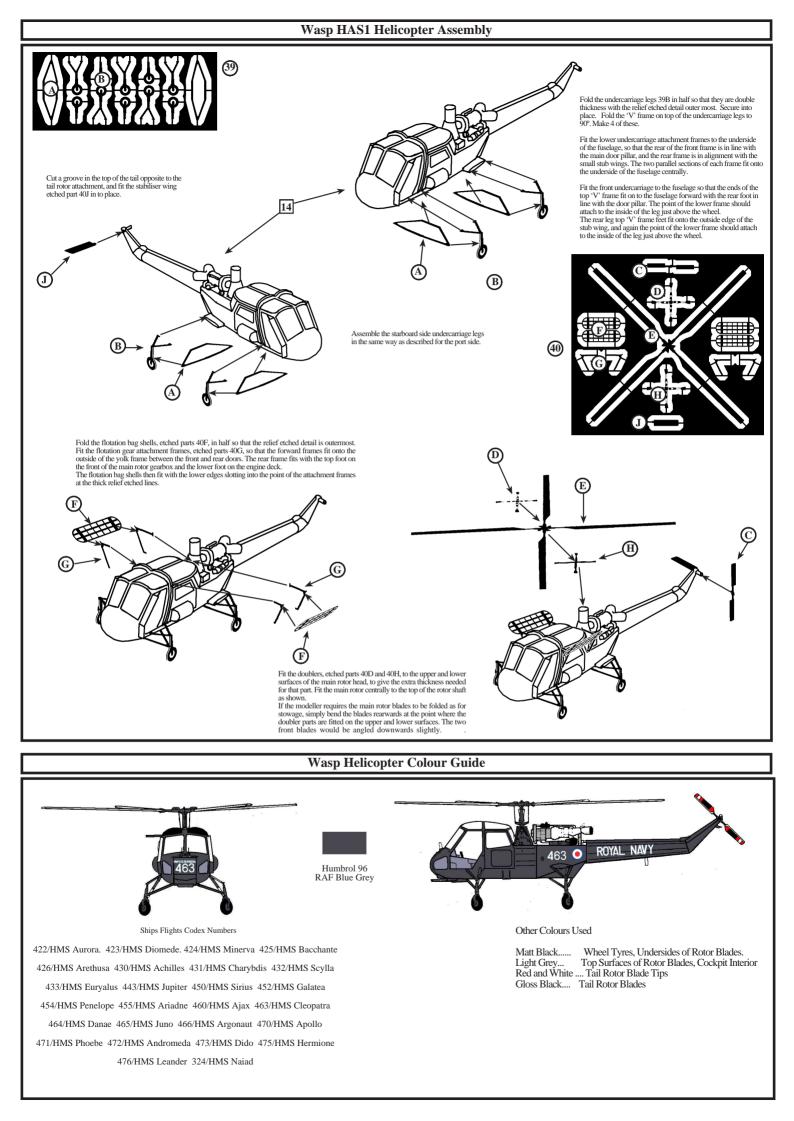
20mm Oerlikon Location

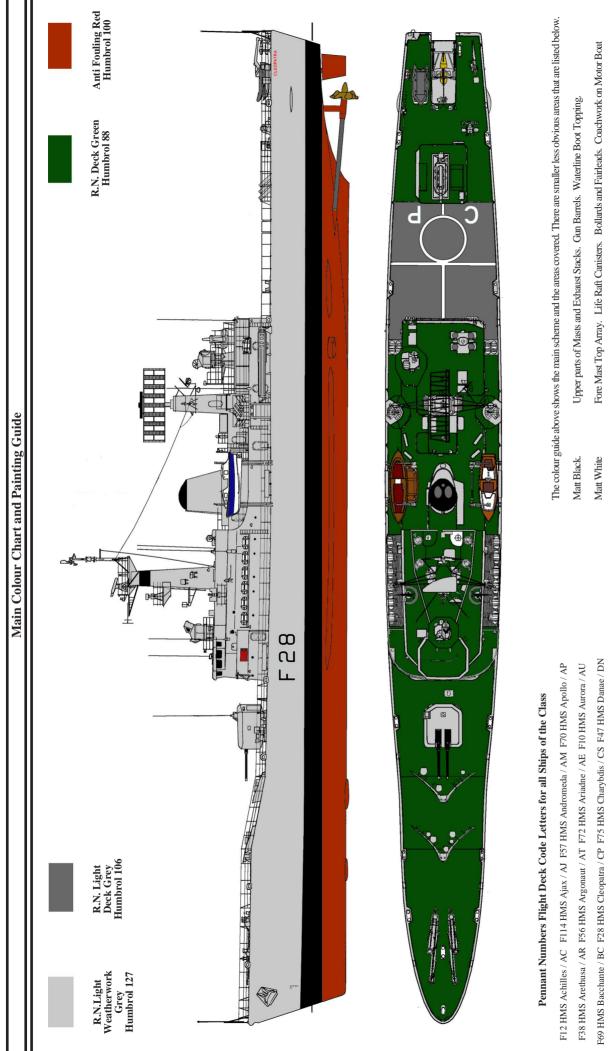
Shape the railings sections, etched parts 15, to fit around the 20mm Oerlikon gun mountings as shown above. Fit the searchlights, parts 29, to the locating holes on the raised platforms on the signal deck.











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ATLANTIC MODELS (C) 2014

Propellers. Elevation Discs on 4.5" Guns.

Bronze

F71 HMS Scylla / SC F40 HMS Sirius / SS

F12 HMS Achilles / AC F114 HMS Ajax / AJ F57 HMS Andromeda / AM F70 HMS Apollo / AP F38 HMS Arethusa / AR F56 HMS Argonaut / AT F72 HMS Ariadne / AE F10 HMS Aurora / AU 669 HMS Bacchante / BC F28 HMS Cleopatra / CP F75 HMS Charybdis / CS F47 HMS Danae / DI F104 HMS Dido / DO F16 HMS Diomede / DM F15 HMS Euryalus / EU F18 HMS Galatea / GA F58 HMS Hermione / HM F52 HMS Juno / JO F60 HMS Jupiter / JP F109 HMS Leander / LE F58 HMS Minerva / WV HMS F39 Naiad / NA F127 HMS Penelope / PN F42 HMS Phoebe / PB