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Photoetched metal detail set for the 1/350 scale Trumpeter Kit



General Instructions when using Photoetched Parts

- 1. 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. We suggest using that a #11 type of modelling knife blade for this purpose.
- 5. 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.
- 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.
- 7. We suggest that stock rails are pre-measured, where practical, using a pair of compass dividers & 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.

INTRODUCTION

- 1. This detail set has been designed to help the modeler enhance the appearance of the Trumpeter kit of *HMS Belfast* by adding details that are too fine to be reproduced as plastic moldings or by replacing parts that are , by the nature of them, too out of scale or lacking in detail. Other parts included in this set are there to assist the modeller if the model is being modified to appear at a n earlier time period than that of the kit as it comes in the box.
- 2. We suggest that these instructions are studied thoroughly before an attempt is made at using the parts provided. References are made to locations of parts in the parts lists as well as in the particular sections relating to assembly.
- 3. We recommend that further research is done when modeling this kit, & an excellent form of reference can be found in the Anatomy of the Ship publication, *The Cruiser HMS Belfast* by Ross Watton. This shows clear references to how the ship appeared at various time frames , & the location of some of the parts supplied in this detail set.
- 4. While every effort has been made to ensure as full an explanation as possible of the parts included in this set & their assembly to the relevant kit, sometimes one or two items may appear to get overlooked. If there are no assembly diagrams in the main part of the instructions, then there should be a text explanation in the other instructions section or a location of parts provided in the parts list. If the re is still difficulty in establishing how a part is assembled or located on the kit, contact White Ensign Models & we will be pleased to help resolve the problem.



Unit 5, Cobnash Industrial Estate, Kingsland, Leominster, HR6 9RW, U.K. Tel. 01568 709149 or Fax 01568 709182 E-mail: info@whiteensignmodels.com Website: http://WhiteEnsignModels.com



PARTS LIST (Part A)

Railings (Main Deck Amidships) Railings (Shelter Deck Forward) Railings (Lower Bridge Deck) Railings (Paravane Platforms) Railings (Aft Director Deck) Railings (Main Deck Aft) Railings (Pom-Pom Deck) Railings (X Gun Deck) Railings (B Gun Deck) Type 86 TBS Antennas Railings (Hangar Roof) Railings (Y Gun Deck) Foremast Top Gaff Railings (Foc'sle)

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- 284 Gunnery Radar Antennas 284 Radar Antenna Top Mounts Aft 4" Gun Supports Railings (Main Deck Step Aft) 8-Barrelled Pom-Pom Fiftings 281 Radar Antenna Dipoles 281 Radar Antenna Frames Searchlight Lens Crosses $\begin{array}{c} 15.\\ 116.\\ 119.\\ 222.\\$

Main Director Catwalk

Foretop Anemometer Array

- $\begin{array}{c} 229. \\ 233. \\ 23$ Accommodation Ladder Steps Accommodation Ladder Hand Rails 281 Radar Antenna Mast Aft 281 Radar Antenna Mast Forward
- Landing for Ladder 40 Inclined Ladders (Parts PE4) 282 Radar Yagi Antennas 285 Radar Yagi Antennas Walrus Amphibian Parts Foremast 16' Yardarms Bridge Windscreen
- Early Mast Top Platforms Early Mainmast DF Antenna 291 Radar Antenna Inclined Ladders (Parts PE8) Inclined Ladder (Part PE11) Inclined Ladder (Part PE6)
- Inclined Ladders (Parts PE5) Inclined Ladders (Parts PE9 & PE10) Bridge Front DF Antenna Funnel Cap Grille Aft (For Kit Part) Mainmast Top Gaff Paravane Parts

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Boiler Room Vent Grilles

Foretop 281 Platform

- Funnel Cap Grille Fwd (For Kit Part) Funnel Cap Grilles for Correction Set
 - Mainmast IFF Responder Type 91 TBS Antenna Array Mainmast 281 Platform.



 119. 25' Motor Boat Cradles 120. 16' Motor Boat Cradle Frame 121. Blakes Stoppers 122. 16' Dinghy Cradles 122. 16' Dinghy Cradles 122. 16' Large Deck Hatches 124. Hawsepipe Gratings 125. Small Access Hatches 126. Large Deck Hatches Type 1 127. 35' Motor Boat Raised Cradles 128. Aft HACs Director Tower Braces 130. Large Deck Hatches Type 2 131. Anchor Chain 132. Vertical Ladder Stock 133. Watertight Doors 	
 103. Lower Bridge Venturi Outer Strip 104. Lower Bridge Venturi 105. Lower Bridge Bulwark 106. Lower Bridge Venturi Baffle Plates 107. Mainmast Starfish Platform 108. 16' Dinghy Thwarts & Rudders 109. 4" Gun Mount Details 110. 35' Motor Boat Parts 111. 32' Cutter Thwarts & Rudders 113. 25' Motor Boat Parts 113. 25' Motor Boat Parts 114. 36' Motor Lamch Thwarts & Fittings 115. Sigle 20mm Oerlikon Mounts 118. 36' Motor Boat Cradles 	
 Breakwater Rear Braces Catapult Launch Cradle Frame Launch Cradle Truntable Launch Cradle Truntable Launch Cradle Truntable Aircraft Deck Handling Cradle Aircraft Deck Handling Trolley Boat Boom Attachment Brackets Aft Searchlight Platform (Port) Aft Searchlight Platform (Starboard) Aft Searchlight Platform (Framework (Stbd) Aft Searchlight Platform (Starboard) Aft Searchlight Platform (Rear) Bridge Venturi Outer Strip (Front) Bridge Venturi Outer Strip (Front) Twin 20mm Guns for Powered Mounts Ioo. Two Doors 	
 Forward Boat Frame Forward Boat Frame Inner Cross Brace 4" Gun Deck Extension Supports 4" Gun Deck Extension Supports Forward Life Raft Racks Single Side Life raft Racks Anh Life Raft Racks Anh Life Raft Racks Search Light Lens Crosses Radar Lantern Mast Landing Radar Lantern Mast Landing Radar Lantern Mast Braces (Side) Radar Lantern Mast Braces (Front) Readvater Front Braces Breakwater Front Braces 	
 Crane Jib Rigging (Stowed) Crane Jib Rigging (Raised) Crane Jib Attachment Block Crane Jib Attachment Block Crane Hook Crane Hook Cratapult Top Inside Plate Leapult Top Inside Plate Catapult Manouevring Pump Catapult Bateranes Catapult Bateranes Aft Boat Frame Rear Supports Aft Boat Frame Port Side Support Aft Boat Frame Rear Cross Brace 	







The ship's boats supplied in the Trumpeter kit are of a very high standard both in terms of accuracy & in detail. Obviously there are limits to what can be molded in plastic, so a few parts have been included on this detail set to finish the job off.

Remove the moulded plastic detail from inside the 36' motor launch, but leave the actual engine box in place in the rear of the boat. Fit the thwarts of etched parts 114 so that they sit inside the boat's hull at the level of where the plastic ones had been. Fit the bow deck plate on to the foc'sle so that it fits on toy of the sides. The same applies to the stern deck, only the inside plate should be folded down to 90°. Fit the sterning gear & mast as shown. Shape & fit the front cockpit tubs as shown on all of the motor boats. Fold-up tubs are supplied for the cockpits & cabins on the remaining motor boats as shown above. The handrails supplied for each boat are fitted into the place of molded plastic rails that will need to be removed before fitting. To fit the propeller & rudder combo part, the rear of the skeg may need to be trimmed to shape to get a good fit against the bottom of the hull.





Fit the HACs tower supports, etched parts 128 & 129 so that the vertical bars fit against the sides of the towers as shown above. The forward HACs towers are shorter than the aft tower, so the shorter etched parts are used on these.

Etched ventilator grilles, etched parts 43, have been supplied as a further enhancement to increase the depth of the grilles already provided in the kit. The etched parts fit in place over the kit parts as shown.

Assemble the 2 paravanes using kit parts G24 as a basis to work from. Remove the molded details & replace with the etched parts 48 as shown above. These are fitted to the sides of the forward superstructure as per kit instructions.







OTHER INSTRUCTIONS

- Ladders have been supplied in this set in 2 forms, vertical & inclined, to suit the areas where they are being employed. The vertical ladders, etched parts 132 are
 in 2 different widths for use on masts & platforms as required. The kit parts will often have a vertical ladder moulded onto the face of a bulkhead at the location
 required. Remove the mouldings & replace with an etched section cut to length from the stock.
 Inclined ladders are supplied to replace those given in the kit parts. The reference to the kit parts is given in the parts list & the new etched parts are shaped & fit
 as direct replacements as shown in the kits instructions.
- 2. Life raft racks have been supplied as etched parts 74 which directly replace the cross-braced sections of kit parts C22. Fit the modifed kit parts to the sides of the forward superstructure as shown in the kit instructions, then fit railing sections, etched parts 12, to the top edges of the platforms. Etched parts 76 replace the lower sections of kit parts D31. Etched parts 75 are additional life raft racks that fit vertically from the edges of the main deck up & attach to the outside of the curved sections of the 4" gun splinter shields. Additional life rafts to fit to these racks are available in packs from White Ensign Models.
- 3. Venturi plates, etched parts 98 and 99, are supplied in this set to go with the replacement bridge deck with the corrected baffles that will be available from White Ensign Models as Pro 3536.
- 4. Funnel cap grilles are supplied in 2 types. The replacements for the kit parts PE 2 and PE 3 are etched parts 49 and 50. These may be used if desired on the funnels provided in the kit, which are incorrect in shape. Funnel cap grilles, etched parts 51, are the correct shape grilles for the replacement funnels available in Pro 3536 from White Ensign Models.
- 5. Etched part 86 is a replacement breakwater, directly replacing kit part D38. Etched parts 85 are the outer braces that fit to the front of the breakwater. Etched parts 87 are the inner braces that fit behind the breakwater as required.
- 6. A pair of etched hangar doors, etched parts 84, have been supplied to be fitted rolled up if it is wished to display the aircraft hangars open or even partially open.
- 7. Separate crane pulley wheels, etched parts 60, are supplied for those who wish to fully rig their cranes with thread. The pulley wheels are in half & are joined at the raised relief-etched inner circle, giving a pulley wheel with a centre spindle.
- 8. Depth charge rails, etched parts 112, replace kit parts PE 16 and PE 21. They are assembled in the same way as the kit parts. The small davit attaches to one of the rear uprights on the side of the rails.
- 9. A selection of doors & hatches, etched parts 125, 126, 130 and 133, have been supplied to give extra detail & options as required. More doors & hatches are available in a separate set, PE 35125, from White Ensign Models.
- 10. Hawsepipe cover grates, etched parts 142, are fitted to the forward ends of the hawse holes on the foc'sle deck.
- 11. Anchore chain, etched parts 131, & chain stoppers, etched parts 121, are supplied to fit to the fore deck from the capstans to the hawse holes. The chain stoppers are to replace those that are moulded in plastic on the deck forward of the capstans. Sufficient lengths of anchor chain have been supplied to have a length of chain coming out of a hawse hole down to the surface of the water if the ship is being modelled at anchor in a diorama setting.
- 12. Boat boom brackets, etched parts 93, are included should it be required that boat booms are deployed in a diorama setting. These are supplied in the kit as parts E28 but are fitted flush. The etched brackets are assembled by folding down the sides along the etched lines so that they are parallel. The bracket is then fitted to the ship's side at the location where the boat booms fit. The boat boom can then be fitted to the bracket at whatever angle is desired.
- 13. For reference and guide to *HMS Belfast*, the publication *Anatomy of the Ship: The Cruiser HMS Belfast* by Ross Watton gives good detail & plans of the ship as well as technical specifications.