

'G' Class Fleet Destroyer

H.M.S. GLOWWORM 1940

Resin & Photo Etched Metal Kit in 1/350 scale

History

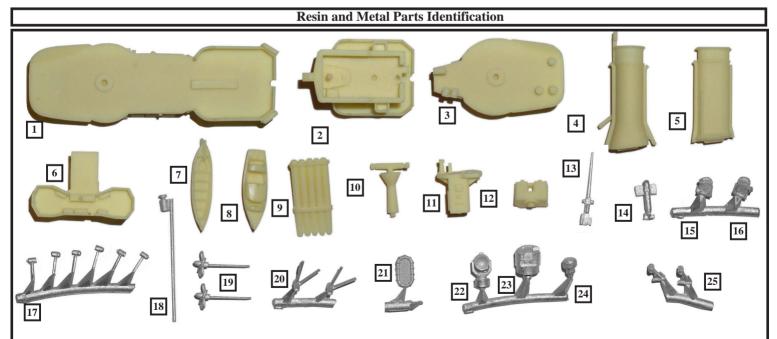
HMS Glowworm had a very short but distinguished career in the Royal Navy, which saw her captain awarded the Victoria Cross. Laid down at Thornycrofts Woolston Yard 15th August 1934 and launched on 22nd July 1935 as HMS Glowworm she was commissioned in to service on 22nd January 1936 from where she served in the Mediterranean with the 1st Flotilla at Alexandria until the outbreak of war in 1939, when with the Flotilla she transfered to home waters. Initially she served in the Western Approaches, operating out of Plymouth until early 1940, whilst at anchor in fog off the Dowsing she was struck by the Swedish ship Rex. Sustaining serious damage she underwent repairs until March after which she rejoined her flotilla at Scapa Flow prior to taking part in the Norwegian campaign. Whilst part of the escort screening the Battlecruiser HMS Renown, during the Norwegian campaign, Gloworm lost a man overboard during the night of the 7th-8th April 1940 off the Norwegian coast. She stopped to pick him up and became separated from the rest of the force. At about 8.30 am on the 8th April she reported that she had been engaged with an enemy destroyer then a 'Superior force'. What had happened was that she had come across the German Destroyer Escorts of the Heavy Cruiser Admiral Hipper, which appeared shortly after. Glowworm was caught up in a running fight, seeing the German destroyers break off, she concentrated on the Hipper. She launched her torpedos but they missed and Gloworm was taking several hits from Hippers larger guns. Glowworms Captain, Cdr Gerard Roope decided that there was no alternative but to try and ram the Hipper which under a hail of fire from the larger ship, Glowworm was pushed under the bow of the cruiser. Her entire focsle was sheared off back to the bridge, but the Hipper also had serious damage inflicted with a large gash underwater at the bow. Glowworm capsized and sank a few minutes later only 37 survivors being found and picked up by the Hipper. Cdr Roope was not among them, he had perished when Glowworm sank. He thus became the first recipient of the Victoria Cross for Galantry of the Second World War, and made partially upon the recommendations made through the Red Cross by the Captain of the Admiral Hipper, Captain Zur See Hellmuth Heye.

Specifications

Length 323 ft/ 98.45 mtrs overall. Beam 33 ft/ 10.5 mtrs. Displacement 1350 tons / 1376 tonnes standard. 1854 / 1883 full load. Range 5,530 nautical miles at 15 knots Complement 145 Officers and Men

Armament

Four Single 4.7 inch QF Mk IX mountings Eight 0.5 inch Vickers Machine Guns in 2 Quad Mountings Ten 21 inch Torpedoes in 2 Quintuple Mountings Two Depth Charge Throwers with 6 Reloads



- 1. Forward Superstruture
- 2. Bridge & Signal Platform
- 3. Aft Superstructure
- 4. Forward Funnel
- 5. Aft Funnel
- 6. Midships AA Gun Platform
- 7. 27' Whaler x 2
- 8. 25' Motor Boat

- 9. Quintuple Torpedo Tubes x 2
- 10. Rangerfinder Mounting
- 11. Searchlight Platform
- 12. 4.7" Gun Shiels x 4
- 13. 4.7" Gun Barrel x 4
- 14. TSDS Paravane x 2
- 15. TSDS Winch (Starboard)
- 16. TSDS Winch (Port)
- 17. Depth Charge Thrower Reloads
- 18. Foremast Pole & Crows Nest
- 19. Propellers & Shafts
- 20. Propeller 'A' Frames
- 21. Carley Rafts x 4
- 22. Searchlight Projector
- 23. Director Control Tower (DCT)
- 24. Asdic Dome
- 25. Depth Charge Throwers x 2

Photo Etched Parts Identification (O

- Bar Railing with Hull Step Curve Bar Railing Stock
 - 2 Bar Railings
- Upswept Focsle Railings
 - Breakwater
- Bridge Windscreen
 - Hull Step Railings
- Depth Charge Davits Anchor Chain

 - Loading Davits
- AA Gun Platform Supports
- Signal Platform Supports (Glowworm) Signal Platfrom Supports (Havelock)
 - Stern TSDS Frame
- TSDS Gear Davits
- TDSD Winch Brake Wheels
- Carley Raft Rack Supports
- Tripod Main Mast Frames Torpedo Loading Davits

Vertical Ladder Stock Bridge Roof Awning

Funnel Cap Grills (Glowworm)

Funnel Cap Grills (Havelock)

Signal Lamps

Searchlight Lens Cross

42

Funnel Siren Platform

- Rangefinder Plaform Railing
- 12 pdr Gun Platform Supports **Boat Davit Assemblies** 22. 23. 24. 26.
 - Depth Charge Stern Rails
- Fall HF/DF Antenna Mast
- 0.5" Quad Machine Gun Mountings 285 Gunnery Radar Antenna 27. 28. 29.

Inclined Ladder (Gun Platform)

47.

48. 49.

Accommodation Ladder Rails Accommodation Ladder Steps

4.

45. 46.

Bridge Semaphores

16' Dinghy Fittings Inclined Ladders (Focsle Step)

Inclined Ladder (Signal Deck)

Inclined Ladder (Bridge)

50.

27' Whaler Sea Boat Fittings

52.

54.

- Main Mast Yardarm
- Fore Mast Upper Yardarm Fore Mast Lower Yardarm
- 286 Radar Antenna Assembly
 - 291 radar Antenna
 - Diamond HF/DF Antenna
- Single 20mm Oerlikons

25' Motor Boat Fittings Inclined Ladder (Aft Superstructure) Aft Superstructure Ladder Landing

'G' Class Name Plates

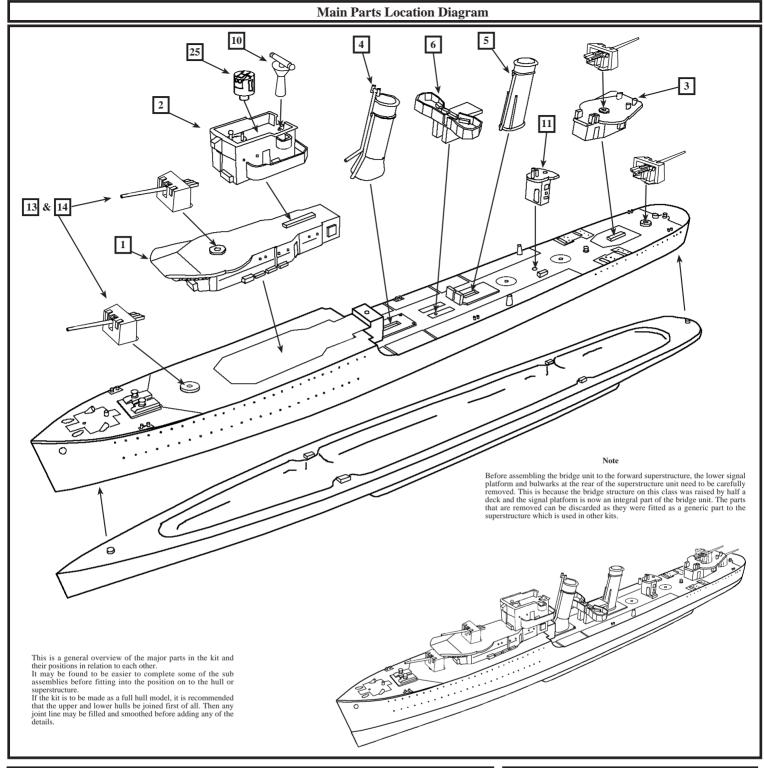
Funnel Sirens

- Anchors
 - Stove Pipes Rudder

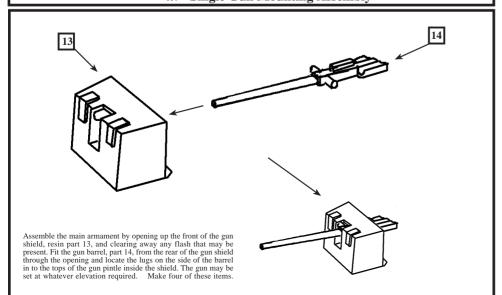
General Precautions

- 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.

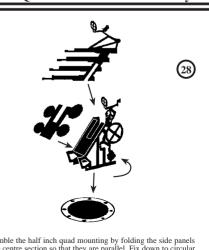
 2. Cyano adhesives (super glues) are generally used to assemble this type of kit. Care must be taken when using this type of adhesive as it will bond in seconds. Follow the advice on the container.
 - 3. Wash resin parts in a solution of warm soapy water before assembly. This will remove any residual mold release agents and ensure a good key for
- 4. Soak photoetch parts in a suitable solvent, such as white spirit, to degrease the surfaces prior to painting.





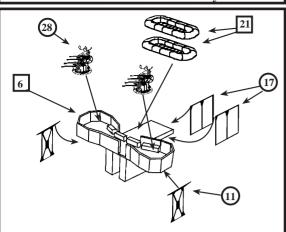


0.5" Quad Machine Gun Assembly



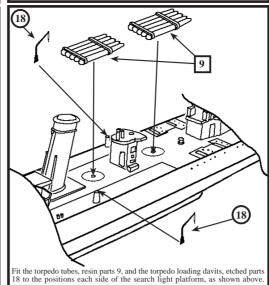
Assemble the half inch quad mounting by folding the side panels of the centre section so that they are parallel. Fix down to circular base. Fit the four offset magazine images so that they match the slot on the centre section. Fit the slot on the barrels section so that it slides over the slot on the centre section, with the barrels facing forwards as shown above. Make two of these.

AA Gun Platform Assembly



Once the gun platform, resin part 6 has been fitted to the main deck, between funnels, fit the carley raft platform supports, etched parts 17 to the underside of the platform. Fit the gun platform supports, etched parts 11 to the outboard positions under the gun platforms. Fit up to a stack of four Carley Rafts on to the platform as shown above. Fit the two assembled quad 0.5" Machine Gun Mountings to the platform.

Torpedo Tube Location



TSDS Rig Assembly

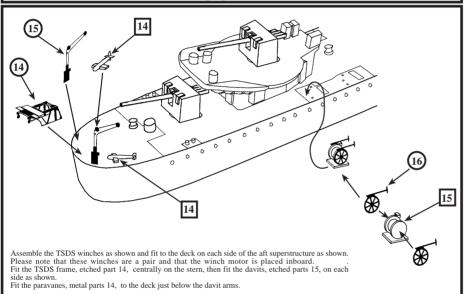
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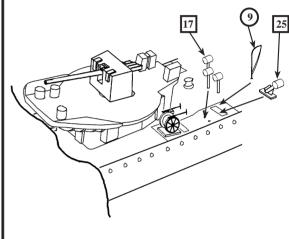
Fold the TSDS davits, etched parts 15, in half so that the relief detail is outermost and secure in place. Fold down the sides of the rear TSDS frame to 90° so that they are parallel, then fit the top plate as shown.



TSDS Equipment Location

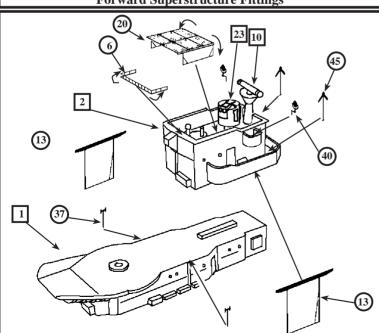


Depth Charge Thrower Location



Fit the depth charge throwers, metal parts 25, to the raised molded area on the deck on each side, as shown above. Ensure the throwers are pointing outboard. Fit the reload charges on their rams, metal parts 17, in to the holes in the deck next to the thrower. Fit the loading davits, etched parts 9, as shown.

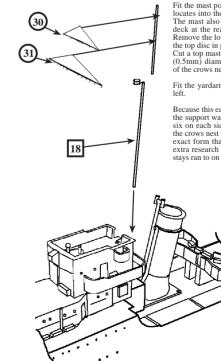
Forward Superstructure Fittings



Fit the bridge unit on to the forward superstructure, then fit the signal platform supports, etched parts 13 so that the bottom rail sits on the main deck, and the thicker top bar fits up under the signal platforms. Fold the side frames of the bridge canopy, etched part 20, down to 90°, then fit so that the lower horizontal bars fit along the bridge side combing. This part is optional as this canopy was not always rigged when at sea. Fit the stove pipes to the sides of the superstructure deck as shown. Fit the signal lamps, etched parts 40, to the sides of the small signal platforms on the sides of the bridge. Fit the semaphores, etched parts 45, to the rear of the signal deck on each side. the signal deck on each side.

Shape and fit the bridge windshield, etched part 6, to the front of the bridge as shown above.

Fore Mast Assembly

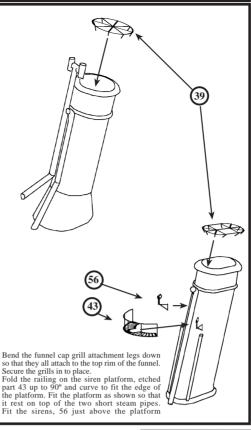


Fit the mast pole, metal part 18 so that the lower end locates into the recess hole in the galley house roof. The mast also locates in to the curved recess in the deck at the rear of the bridge unit signal platform. Remove the lower part of the crows nest leaving just the top disc in place.
Cut a top mast pole from a 21mm length of 20 thou (0.5mm) diameter brass rod and fit behind the top of the crows nest top disc.

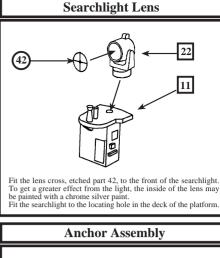
Fit the yardarms, etched parts 30 and 31, as shown

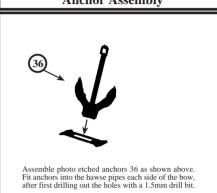
Because this early type of mast was only single pole, the support was provided by a series of stays, four to stone can side that ran from level with the top of the crows nest down to the main deck and focsle. The exact form that this rigging took will require some extra research of photographs to establish where the stays ran to on the decks.

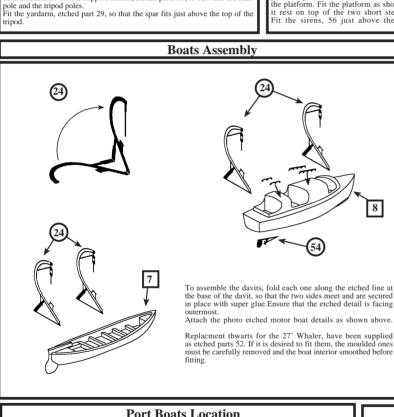
Assemble the main mast pole to the forward end of the aft superstructure deck then fit the tripod pole so that the lower end fit at the start of the curved gun deck extensions. Fit the support frames, etched parts 19, in between the mast

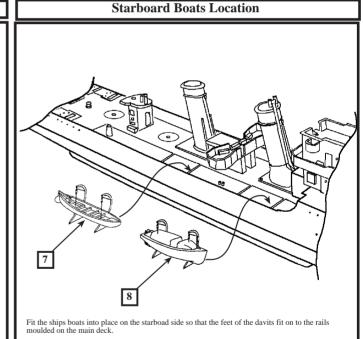


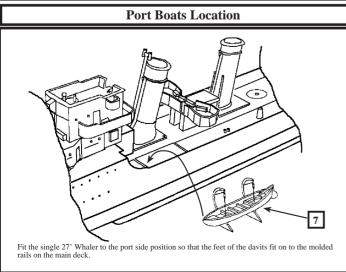
Funnel Fittings

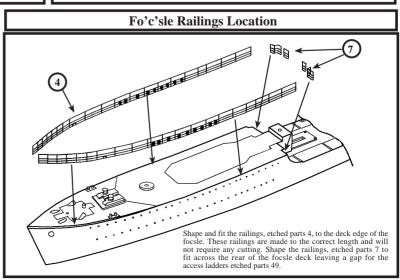




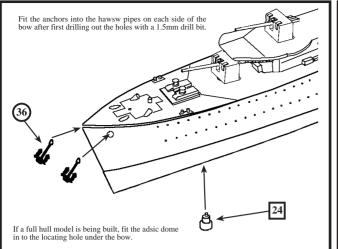




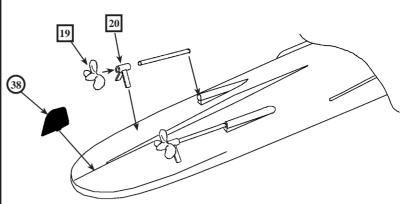




Anchor Location



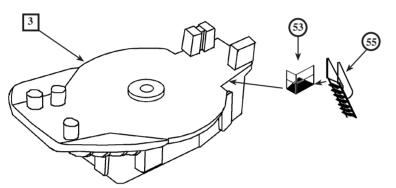
Running Gear Assembly and Location



Cut two propeller shafts to a length of 12mm from 40thou (1mm) diameter plastic or brass rod and fit into one side of the propeller 'A' frame, metal parts 20. Fit the propeller 19 to the other side of the 'A' frame. Fit the other end of the shaft in to the recess in the hull fitting then fit the legs of the 'A' frame to the hull. These may require trimming to length to ensure that the propellers sit correctly at the same angle.

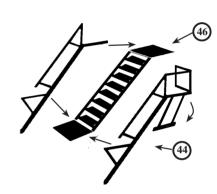
Fit the rudder, etched part 38, centrally to the rear of the lower hull.

Aft Superstructure Ladder Assembly



A section describing the assembly of this ladder has been included due to it's shape and assymetric location. Fold up the rails on the ladder landing, etched part 53, to 90° and glue at the corner. Fit the landing to the deck edge on the starboard side of the aft superstructure just forward of the curved gun deck extension. Fold the hand rails of the inclined ladder, etched part 55, to 90° so that they are parallel then fit the ladder so the top edge fits against the open side of the landing.

Accommodation Ladder Assembly

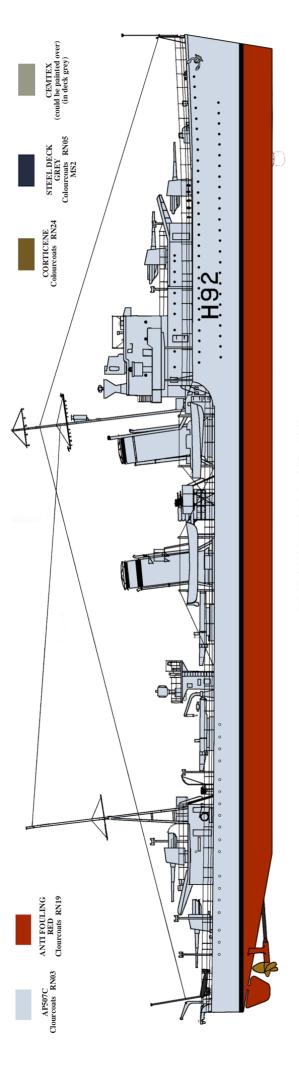


Assemble accommodation ladders as shown above and can be fitted to the ship either side of the main deck, adjacent to the depth charge throwers, if the ship is to be modeled at anchor.

Other Instructions

- 1. Some photo etched components have been included on the detail set that are for fitting to other ships of the class in various fits. There fore they will not be refered to in these instructions. These are etched parts 5, 12, 22, 23, 25, 26, 27, 32, 33, 34, 35, 41 and 48.
- 2. Two sections of railing, etched parts 1, have been supplied with one end shaped to fit against the curved fairing at the side of the hull step. The length of this railling varies according to what equipment is fitted on the quarterdeck, so it will require that each section is cut to the desired length from the opposite end to the curve. Standard 2 bar and 3 bar railing stock, etched parts 2 and 3 have been supplied to fit around the endges of superstructure decks and platforms as required.
- 3. Vertical Ladder stock, etched parts 21, is supplied to be cut to length for fitting against the sides of superstructure components, or to masts and platforms.
- 4. Inclined ladders are tailored to fit in various locations as follows. Etched part 47 fit from the main deck up to the opening in the front bulwark of gun platform resin part 6. Etched parts 49, fit from the main deck up to the focsle deck at the hull step on each side. Etched part 50 fits from the signal deck to the rear of the bridge. Etched part 51 fits from the galley roof to the signal deck.
- 5. Name plates, etched parts 57, have been included that cover all the names of the ships in the 'G' class so that others may be modeled if desired. These name plates are in pairs and are fitted mid way up on the sides of the aft superstructure housing.
- 6. References for ships of this class may be found in publications such as Edgar March's British Destroyers if available. A plan and profile of Glowworm is shown in good detail in the Chatham Blue Print Series publication, British Warships of the Second World War by John Roberts. Historical references can be found in the book Destroyers of World War Two by M.J. Whitley.

COLOUR CHART AND PAINTING GUIDE



HMS GLOWWORM 1935 - 1940



Other colours used are as follows.

Matt Black Funnel Caps and Grills, Machine Guns and Light AA Weapons, Hull Boot Topping, Pennant Number. Anchor Chain.

Bronze. Propellers.

Dark Grey. Paravanes and Depth Charges

Mahogany or Natural Wood. Decks and Thwarts of Ships Boats

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