

This kit contains a mixture of resin and white metal small parts, of which some of the resin parts have been attached to sprues for ease of casting.

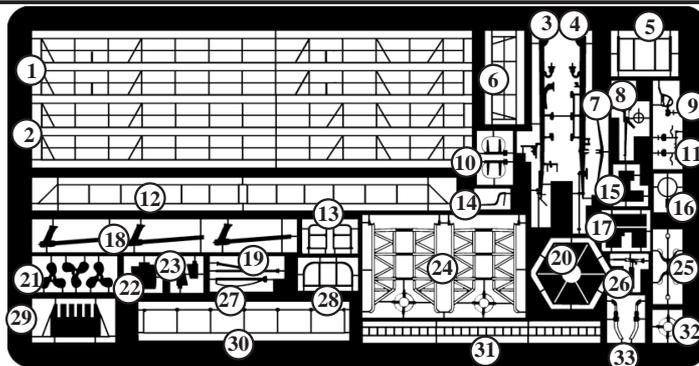
Care must be taken when detaching the parts from the sprues, to remove the flash without causing damage. When cleaning off the excess material using files or abrasive paper, it is recommended that a mask is worn as resin dust can be harmful to health if inhaled.

### Parts Lists



1. Ventilator Tubes  
 3. Torpedo Tubes

2. Torpedoes  
 4. Rubber Boats

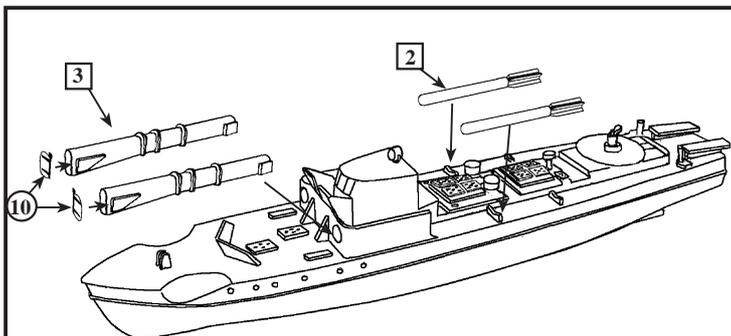


- |                                    |                                 |
|------------------------------------|---------------------------------|
| 1. Side rails with Dodgers         | 18. Prop Shafts                 |
| 2. Side rails Open                 | 19. Ensign Staff                |
| 3. S80 Mast                        | 20. Single 20mm Footplate (S10) |
| 4. S10 Mast                        | 21. Propellers                  |
| 5. Forward Twin 20mm Training Stop | 22. Centre Rudder               |
| 6. Stern Rail                      | 23. Side Rudders                |
| 7. S10 Mast Yard                   | 24. Depth Charge Rails          |
| 8. Single 20mm (S10)               | 25. Anchors                     |
| 9. 3.7cm Breach Mech & Seat        | 26. Single Machine Gun (S10)    |
| 10. Torpedo Tube Doors             | 27. Jackstaff                   |
| 11. 3.7cm Layers Mechs & Seats     | 28. Twin 20mm Depression Stop   |
| 12. Bow Railing (S10 only)         | 29. 30mm Flak Rear Shield       |
| 13. Lookout Step Handrails         | 30. Single 20mm Handrail (S10)  |
| 14. Twin 20mm Depression Arm       | 31. Ladders                     |
| 15. Twin 20mm Shield               | 32. Liferings                   |
| 16. DF Loop Aerial (S80)           | 33. Engine Exhaust Pipe         |
| 17. 30mm Flak Shield               |                                 |

### Photo Etched Parts General Instructions

- 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. It is suggested that a #11 type of modelling knife blade is used for this purpose.
- 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.
- 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.
- It is suggested that rails are pre-measured, where practical, using a pair of compass dividers and 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.

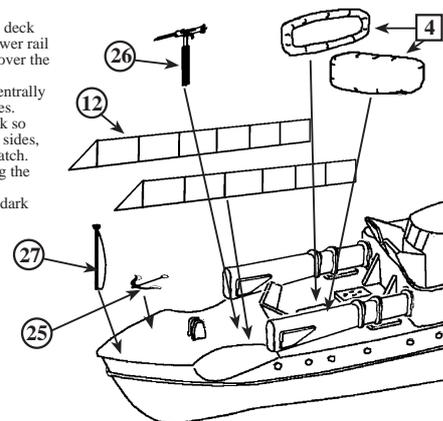
### Torpedo Tube Fitting



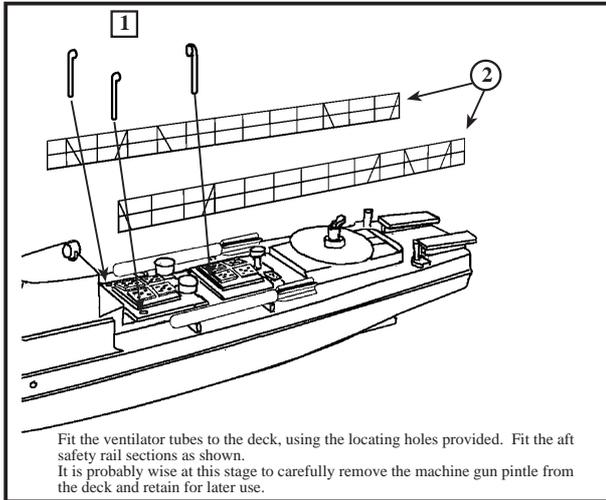
Fit the torpedo doors, etched parts 10, to the fronts of the torpedo tubes, then fit the torpedo tube to the deck by sliding the rear of the tube into the hole in the bulwark. The front of the tube rests on the edge of the cutaway in the deck.  
 Fit additional torpedoes to the cradles on the aft deck.

### Foredeck Arrangement

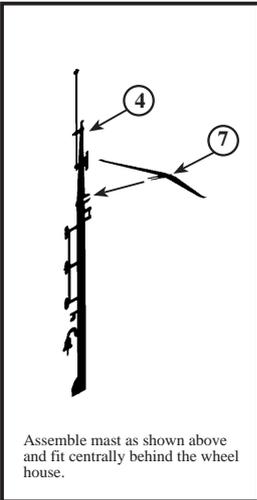
Fit foredeck safety rails to the deck after first cutting the centre lower rail off so that the section will fit over the breakwater.  
 Fit machine gun mount, 26, centrally between fronts of torpedo tubes.  
 Fit the rubber boats to the deck so that they are standing on their sides, each side of the centre deck hatch. This is best done after painting the area.  
 The colour of these boats is a dark grey/green.



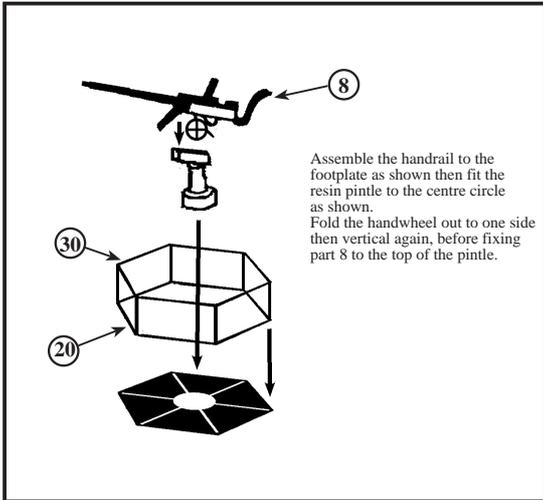
### Rails and Ventilators



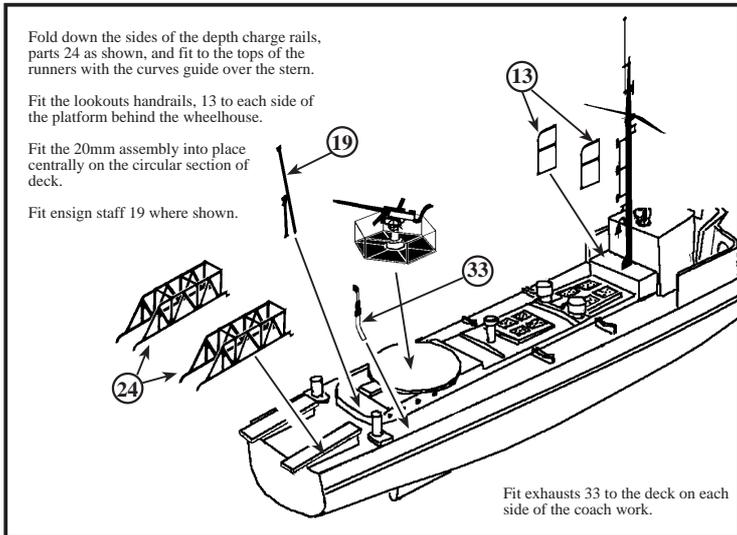
### Mast Assembly



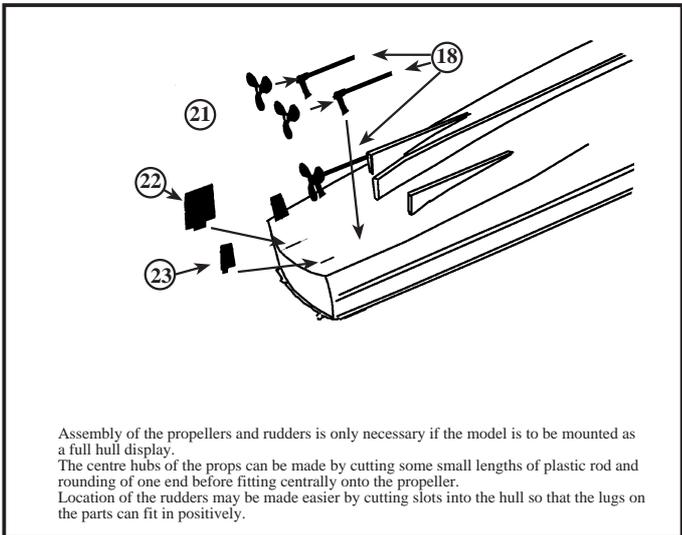
### Single 20mm Assembly



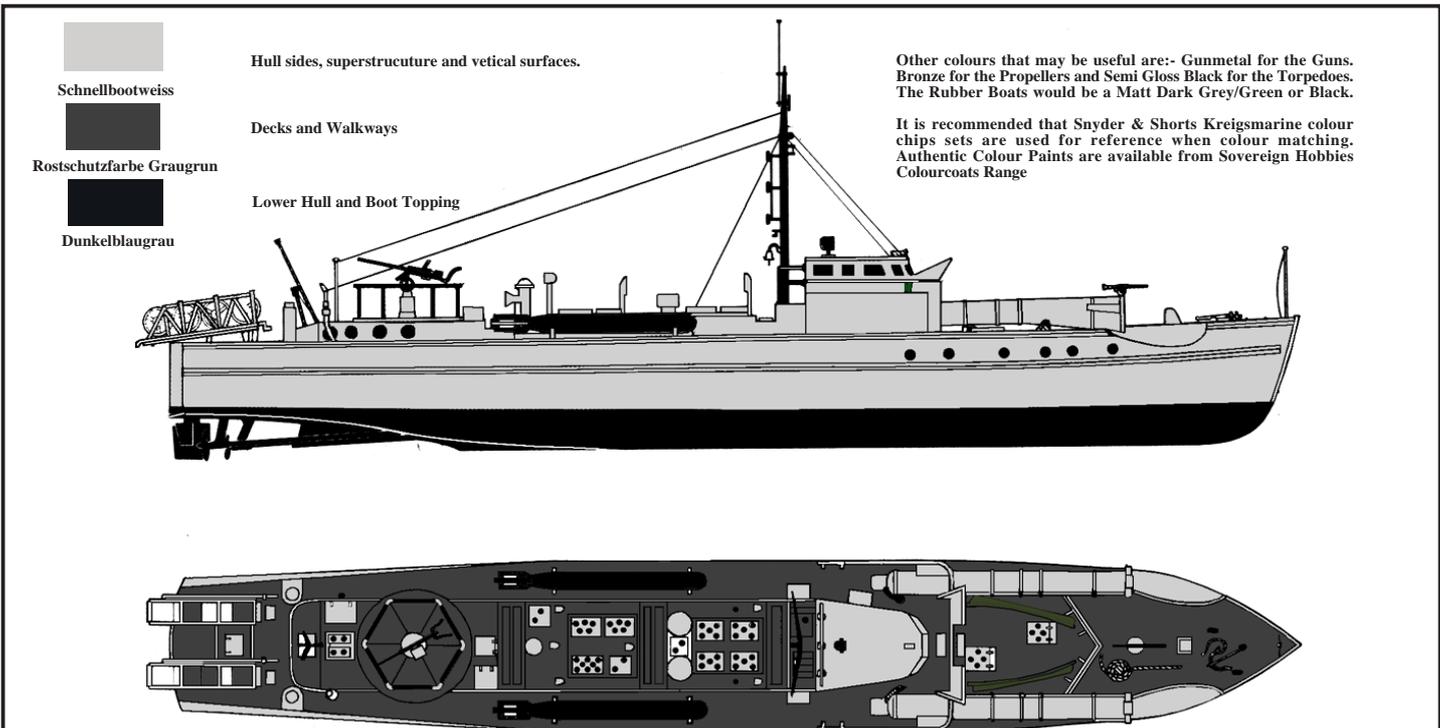
### Aft Deck Arrangement



### Propeller and Rudder Location



### Specifications and Colour Guide



The early series of 'S' boats was formed into the 1st Flottilla in 1935 and trials began to develop these craft for operational use. Known by Britain and its Allies as the 'E' Boat, speculation as to the origins of the 'E' designation range from a simple "E for Enemy" to the name given to the hydrodynamics of the rudders, known as the Lurssen "Effekt". Designed and built by Lurssens in Bremen, the S Boat was constantly modified and developed throughout the second world war and saw action on almost every war front in one form or another.

Overall length 32.4 metres Beam 4.9 metres Displacement 78 tons Powered by three 1,320hp Daimler Benz Diesel Engines giving a top speed of 35 kts. Armament consisted of:- 4 x Torpedoes 1 x 20mm Cannon and various Light Machine Guns. Rails on the stern could be fitted to drop depth charges or mines.