AIRFIX CONSTRUCTION KIT

50 FT.—1 INCH SCALE MODEL SHIP

FREE ENTERPRISE II

Free Enterprise II, and her green-and-white sister ships of the Townsend Car Ferries fleet, are a familiar sight at Dover to the many thousands of motorists and their families bound for a holiday on the Continent.

Launched on January 29, 1965, the £1,800,000 Free Enterprise II entered cross-channel service four months later on May 22. She was built in Holland at the Schiedam, Rotterdam, yard of Werf Gusto, part of the I.H.C. shipbuilding group, and was specially designed by Townsend for the cross-channel short-sea routes.

The 4,122 ton ship operates to France and Belgium throughout the year, and during the summer makes either four return crossings between Dover and Calais or two return trips between Dover and Zeebrugge each day.

She carries 1,000 passengers and 205 cars, or a combination of cars, motorcycles, caravans, coaches and freight vehicles.

The ship is equipped with bow and stern doors so that vehicles can be driven on board in Dover via two stern loading levels at the same time, parked without any unnecessary manoeuvring in the 13 vehicle lanes and driven off again at Calais or Zeebrugge through the bow door.

On board the three car decks are connected by a series of ramps so that a full load of cars can be driven off in about 10 minutes.

The passenger accommodation is on an open plan basis with a restaurant, buffet and a wide selection of duty-free bars and shops.

Free Enterprise II dimensions:

Length overall 354 ft. 0 ins., Breadth 58 ft. 0 ins. Draught 13 ft. 0 ins.

The ship is powered by two Smit-M.A.N. 275 r.p.m. main propulsion supercharged engines each of 4,000 b.h.p., and three 692 b.h.p. Mirrlees Diesel Engine driven A.E.I. generators, each of 475 kW capacity.

The two Stone KaMeWa controllable pitch propellers running at 275 r.p.m. when at full speed are directly driven from the engines and controlled by the Master on the bridge. They provide for the maximum and speedy manoeuvrability of the vessel, with a speed ahead of 20 knots and a speed astern of 14 knots.

Free Enterprise II can also move sideways to Port and Starboard at the bow, by the use of a Bow Thrust Propeller, driven by a 400 h.p. Motor.

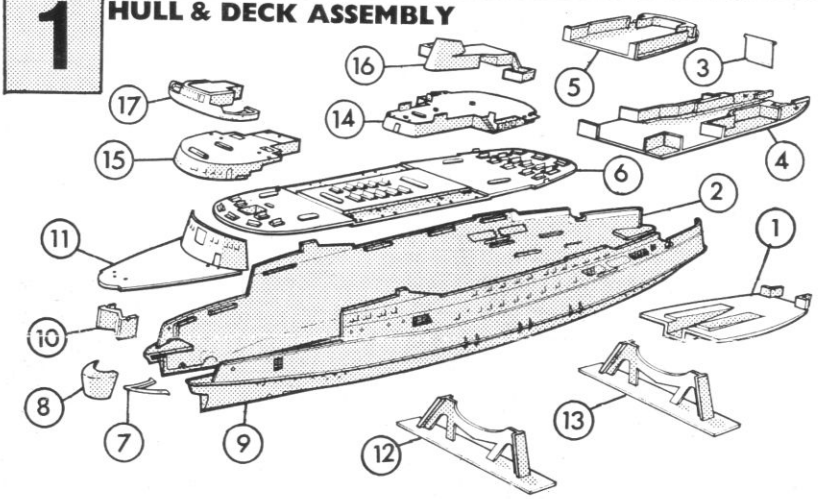
The ship is fitted with a 'Flume' stabiliser to minimise rolling of the vessel. This consists of a system of interconnected transverse tanks and water channels inside the vessel. The stabilisation is effected by the movement of water automatically across the tank, out of phase with the natural period of the roll of the vessel, thus compensating the roll. The Flume Stabiliser does not impede the ship's speed, and is effective at all times regardless of weather conditions.

INSTRUCTIONS

N.B. FOR PAINTING USE "AIRFIX" PAINTS, FOR FIXING USE "AIRFIX" POLYSTYRENE CEMENT

PAINT ALL DETAILS AND LET DRY BEFORE ASSEMBLING (SEE SECTION

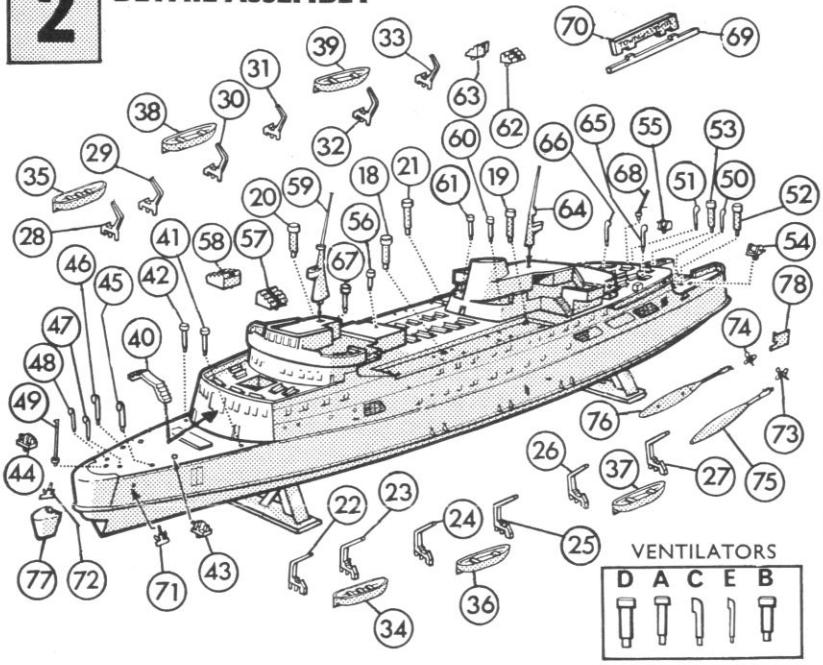
1 HULL & DECK ASSEMBLY



It is recommended that the instructions and exploded views are studied before commencing assembly. If it is wished to paint small parts, such as lifeboats and launches, etc. this is best done before assembly.

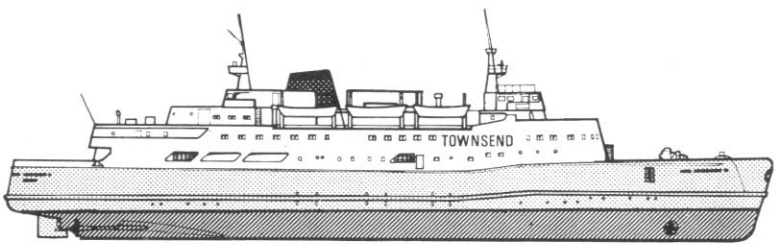
1. Locate and cement main stern deck (1) onto bottom ribs within starboard hull side (2) end of deck butting up to section of deck on hull.
2. Place pivot pins on stern door (3) into recesses at top of side walls on end of main stern deck, DO NOT CEMENT. Door is angled outwards.
3. Locate and cement stern shelter deck (4) onto ribs and step within starboard hull side above main stern deck, keep cement front pivot pins on stern door and ensure it is free to move.
4. Locate and cement ribs beneath stern promenade deck (5) into deck housing on stern shelter deck, side of deck locates onto step within forward hull side.
5. Locate and cement boat deck (6) onto upper ribs within starboard hull side and to top of stern promenade deck.
6. Locate and cement nose of bow door pivot arms (7) between ribs within bow door nose (8), end of pivot arms raised upwards.
7. Press, DO NOT CEMENT, pin on starboard pivot arm into hole in bows within starboard hull side at same time locate and cement port hull side (9) to starboard, locating decks into corresponding ribs and steps within port hull side, pin on port pivot arm located but not cemented into corresponding hole within port hull side ensure bow door is free to move.
8. Cement bow watertight doors (10) into deck within bows, cut outs in bottom of doors fitting over raised location on deck.
9. Locate and cement bow shelter deck (11) onto ribs within forward hull sides and against front of upper hull sides and boat deck.
10. Locate and cement base cradles (12,13) between engraved lines on bottom of hull.
11. Locate and cement stern boat deck house (14) over ribs aft of boat deck.
12. Locate and cement bow boat deck house (15) over ribs forward of boat deck.
13. Locate and cement wheelhouse funnel (16) over ribs on aft boat deck house. NOTE: funnel forward.
14. Locate and cement main wheelhouse (17) over ribs on bow boat deck house.

2 DETAIL ASSEMBLY



15. Commencing forward, cement locating pins beneath four of the large mushroom ventilators 'D' (18-21) into third and last inner locating holes on port and starboard sides of boat deck.
16. Cement locating pins beneath davits (22-33) into remaining pairs of locating holes in boat deck.
17. Commencing forward, cement small motor lifeboats (34,35) onto port and starboard davits, similarly position and cement large lifeboats (36-39) to remaining davits.
18. Cement locating pins beneath forward steps (40) into inner locating holes in bow shelter deck below front of bridge deck housing.
19. Cement two of the small mushroom ventilators 'A' (41,42) into outer locations in bow shelter deck at bottom of steps.
20. Cement square locating pins beneath windlasses (43,44) into square locating holes in bow shelter deck.
21. Cement the two large cowl ventilators 'C' (45,46) into locating holes in bow shelter deck forward of windlass followed by two small cowl ventilators 'E' (47,48) into locating holes forward of large cowl ventilators and finally bow jack staff (49) in central and forward locating hole, this completes bow shelter deck detail.
22. Cement two small cowl ventilators 'E' (50,51) into port and starboard locating holes in stern shelter deck aft of deck housing, followed by remaining two large mushroom ventilators 'D' (52,53) and finally square locating pins beneath winches (54,55) into square locating holes completing shelter deck detail.
23. Cement short mushroom ventilator 'B' (56) into locating holes aft of bow boat deck house.
24. Cement locating pins beneath bow liferafts (57,58) into port and starboard locating holes in bow boat deck house.
25. Cement bow radar scanner (59) into locating hole in top of main wheelhouse.
26. Cement two small mushroom ventilators 'A' (60,61) into locating holes in stern boat deck house either side of funnel.
27. Cement locating pins beneath stern liferafts (62,63) into locating holes in stern boat deck house. NOTE:- starboard raft has cut out.
28. Cement aft radar scanner (64) into aft locating hole in top of wheelhouse.
29. Cement two small cowl ventilators 'E' (65,66) into outer locating holes aft of boat deck and remaining small mushroom ventilator 'A' (67) into forward hole on starboard side
30. Cement stern jack staff (68) into central aft locating hole in boat deck.
31. Cement ends of bridge gangway (69) into starboard recesses forward of stern boat deck house and aft of bow boat deck house. NOTE: lugs to top.
32. Cement recesses beneath bridge gangway cover (70) onto lugs on bridge gangway.
33. Locate and cement anchors (71,72) into square locating holes either side of bow.
34. Cement propellers (73,74) to end of propeller shafts (75,76) then cement locating pins on top of shaft housings into locating holes beneath stern. Note shaft housing with three locating pins to starboard.
35. Cement locating pins on bow (77) and stern (78) rudder into fore and aft locating holes below bow and stern.

3 COLOUR SCHEME



LIGHT GREEN MATT RED RED G1

WHITE G3 Superstructure, ventilators, boats, davits.
LIGHT GREEN Hull to waterline.
BLACK G4 Funnel top, anchors.
MATT RED M1 Water line and below.
RED G1 Funnel.
DARK GREEN M3 Decks.
BRONZE Propellers.

Apply transfers: First cut the sheet into 8 separate subjects, dip each in warm water for a few minutes, slide off backing into position shown on illustration.
The red lettering Townsend to forward superstructure side, the small black lettering Free Enterprise II to port and starboard bow sides, the small black letters Free Enterprise II Dover to port and starboard stern sides, the black lettering Townsend Car Ferries to stern door, the white circle with black T to front of bow door.

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AIRFIX - 600 SCALE

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