

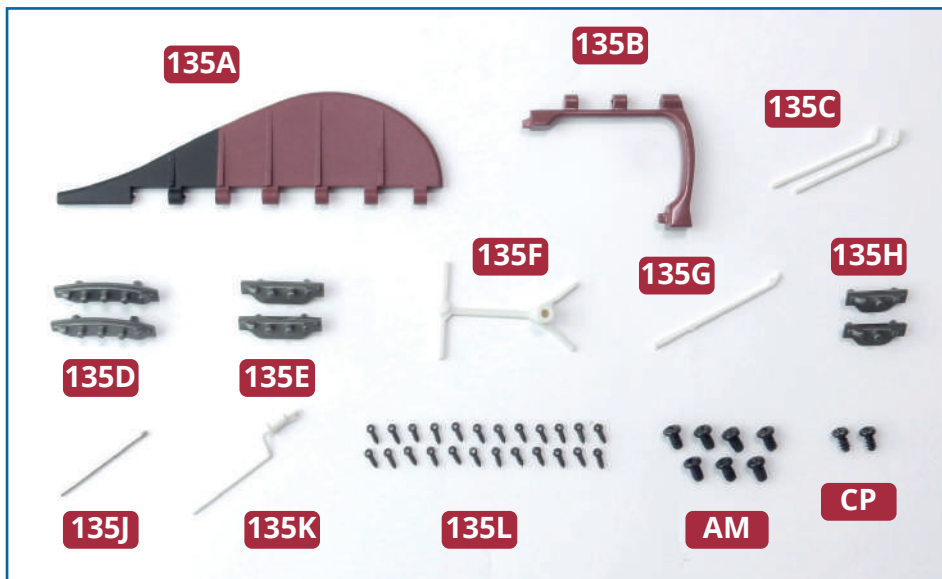
TITANIC

THE SHIP • THE LEGEND

Pack 24



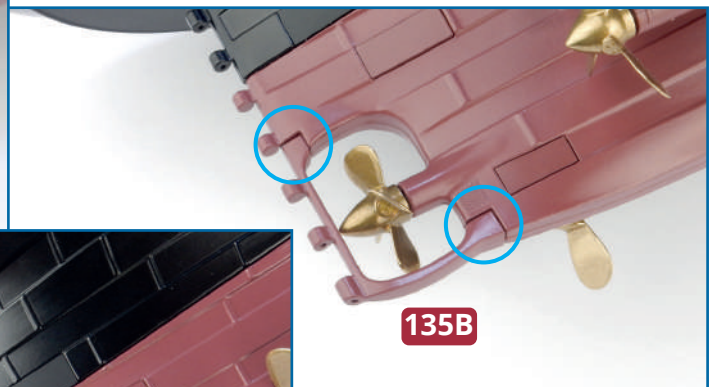
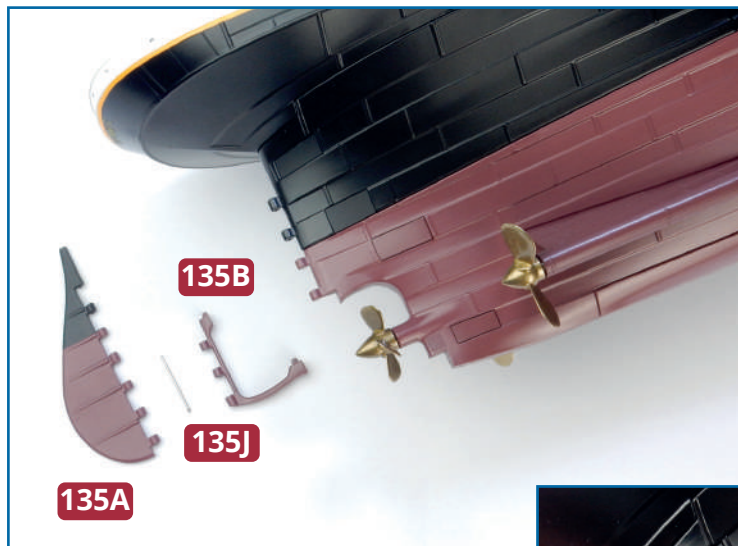
THE RUDDER AND OTHER DETAILS



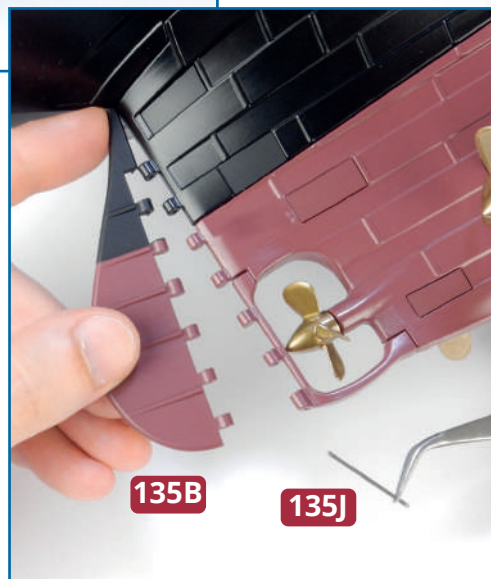
PARTS IN THIS ISSUE

- 135A** Rudder
- 135B** Rudder hinge
- 135C** Rods x 2
- 135D** Bits (sets of three) x 2
- 135E** Bits (pairs) x 2
- 135F** Cable cover
- 135G** Flagpole
- 135H** Bits (single) x 2
- 135J** Hinge pin
- 135K** Angled rod
- 135L** Screw eyes x 24
- AM** Seven PM screws (1 spare)
- CP** Two PB screws (1 spare)

You will also need six AA batteries and one CR2032 button battery.



1 Take the rudder **135A**, the hinge **135B** and the hinge pin **135J**. Check the fit of the hinge at the stern end of the hull and glue in place at the points circled in blue. Fit the rudder so that the loops interlock with the loops on the hinge and at the rear of the stern. Fix in place with the pin **135J**, inserting the smooth end first, from the lower end of the rudder.

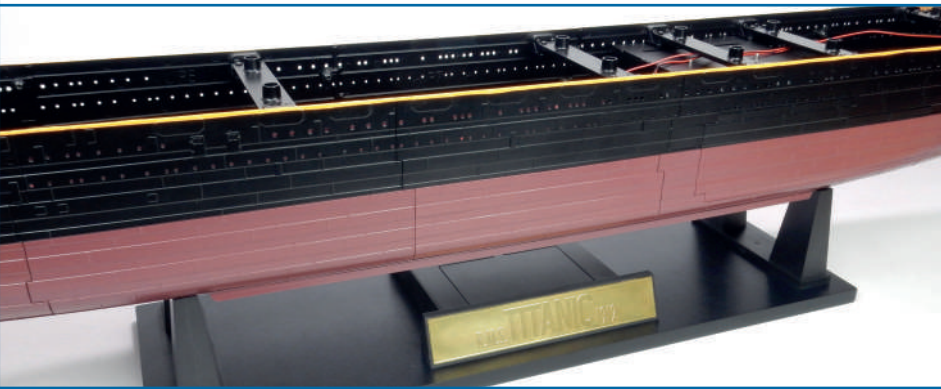
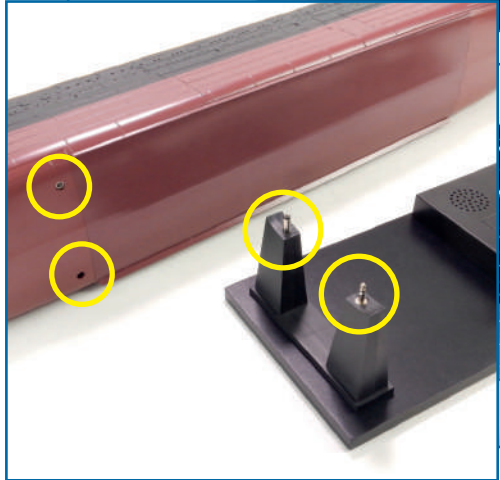




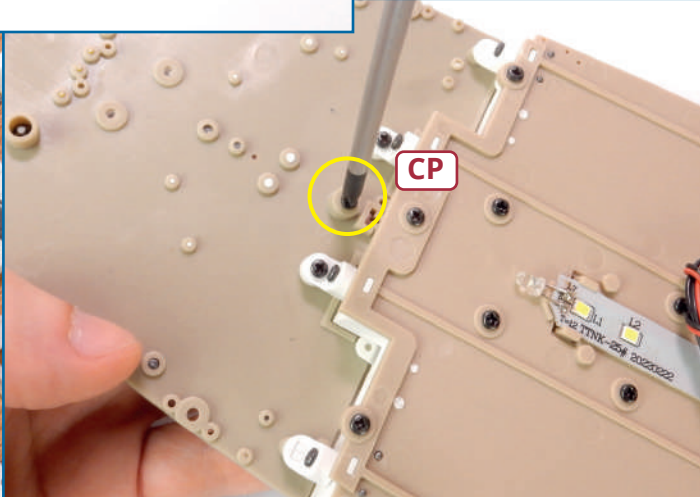
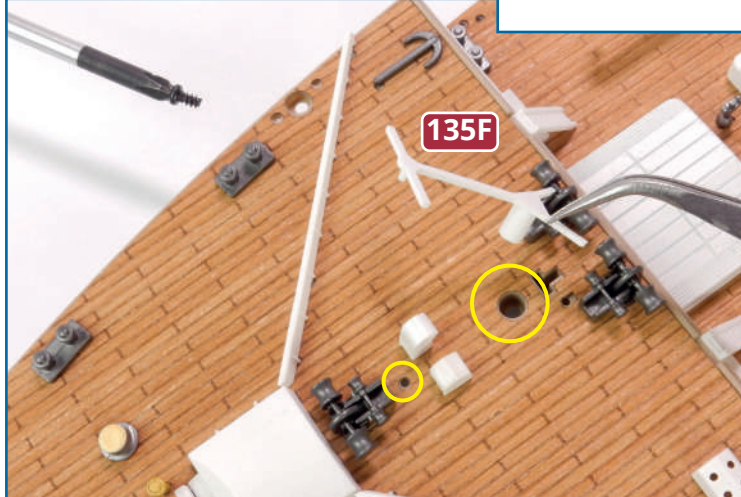
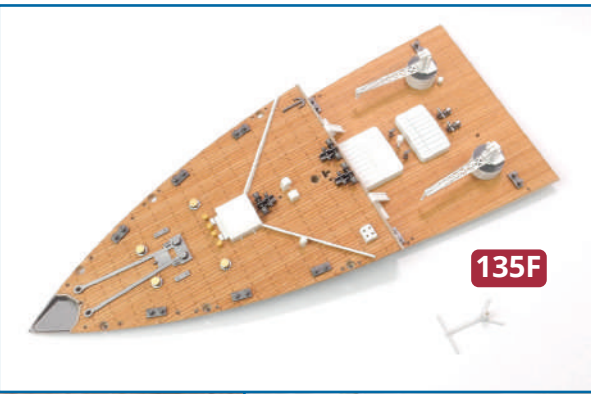
2 To power the model you will need six AA batteries, which fit into the central box on the stand. Ensure the switch at the back of the stand is set to "OFF". Clean the contacts **101C** to remove any dust, grease or liquid, then place the hull on the stand, ensuring that the contacts (circled, below left) are fully connected.

NOTE: As an alternative to batteries, you can use the USB/USB-C cable supplied with issue 39, connected to a powerbank (output 5V 2A~2.1A) or a computer with a USB socket.

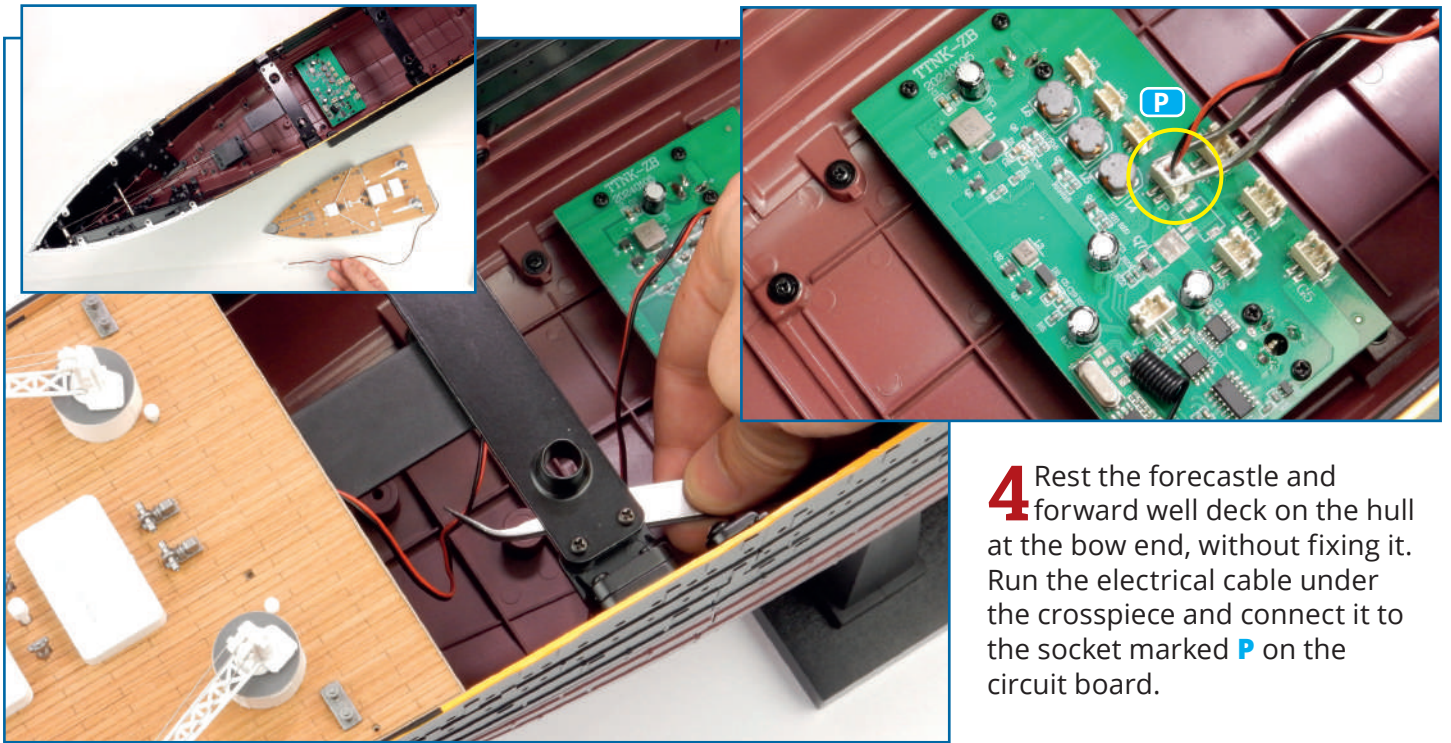
WARNING: Do not connect to the mains.



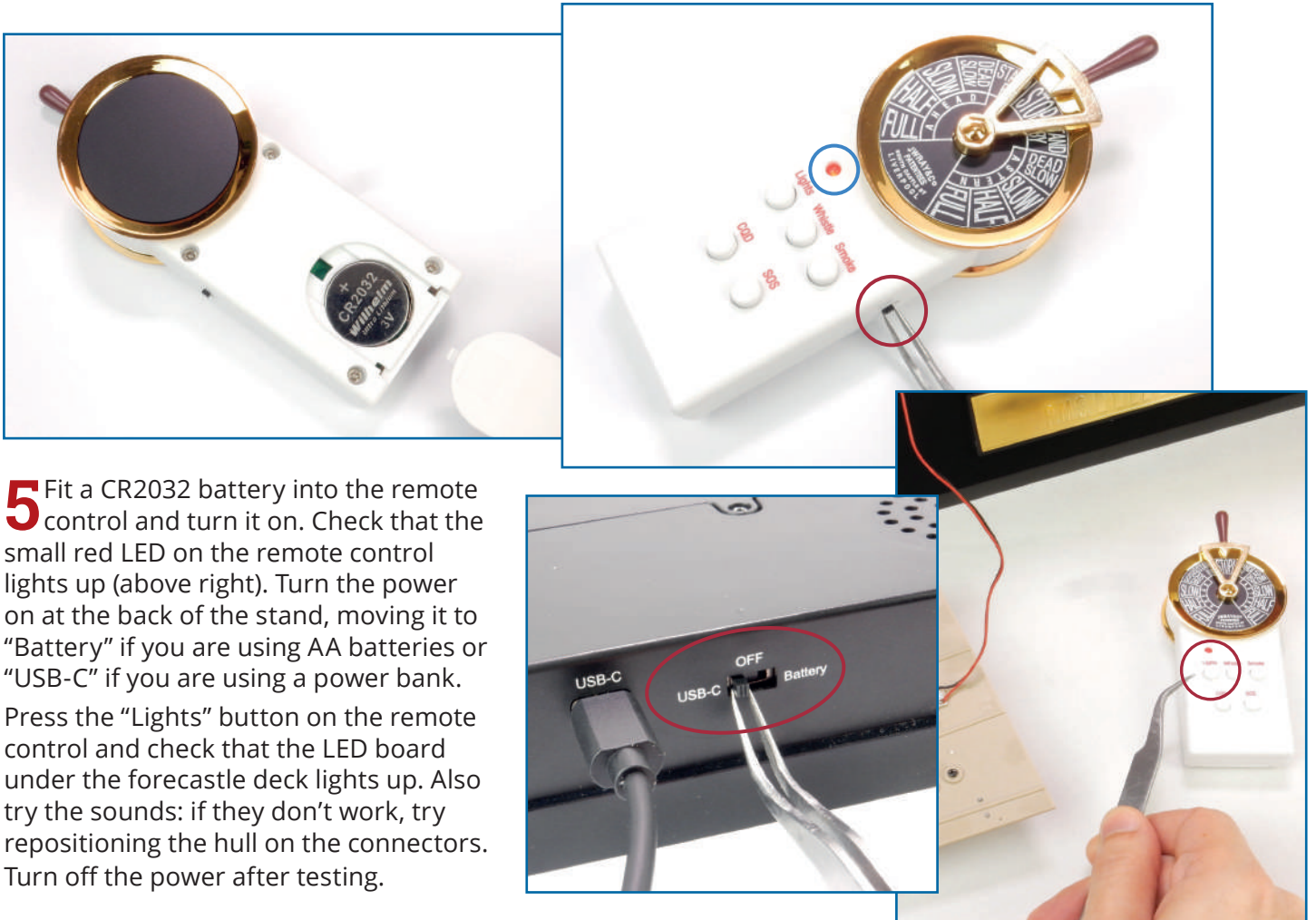
3 Take the cable cover **135F** and position it on the forecastle deck as shown (below). Carefully turn the deck over and fix it in place with a **CP** screw.



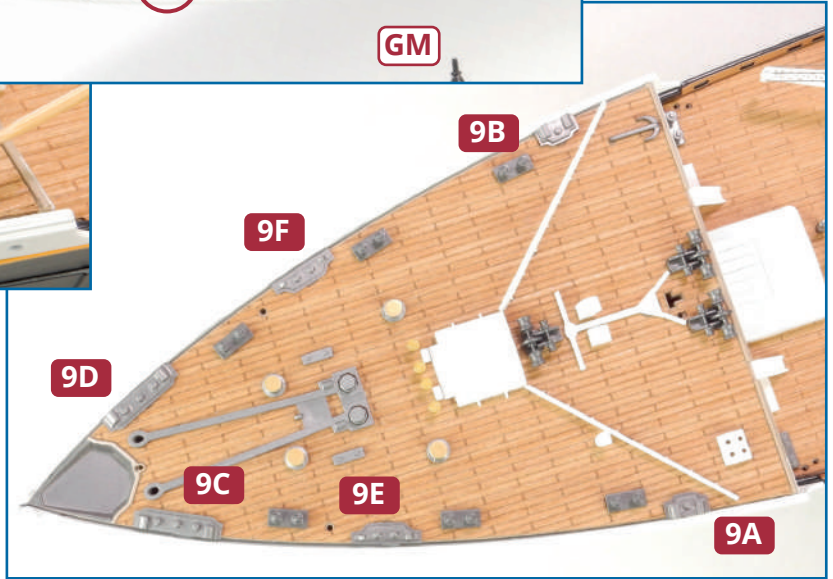
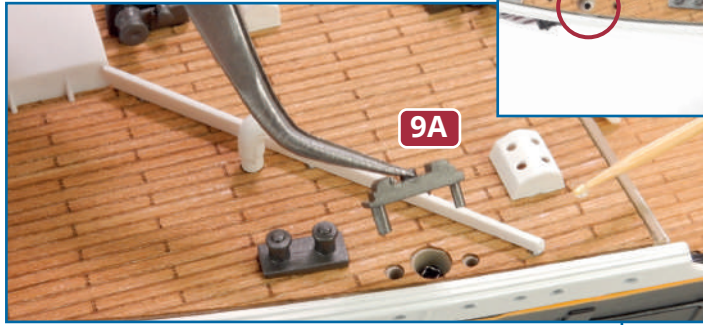
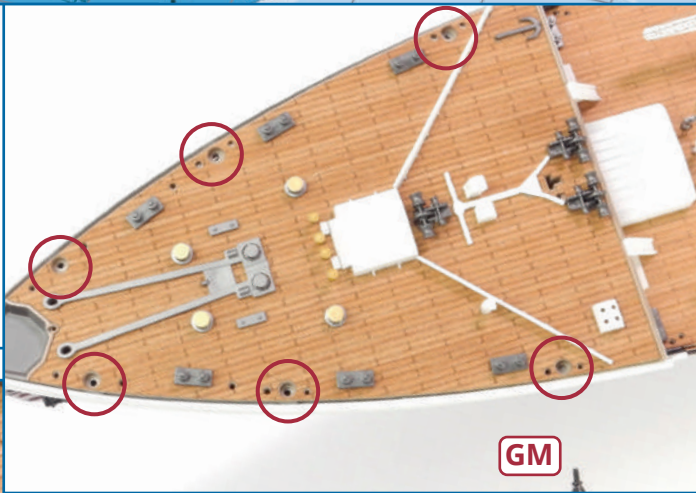
★ STEP-BY-STEP INSTRUCTIONS ★



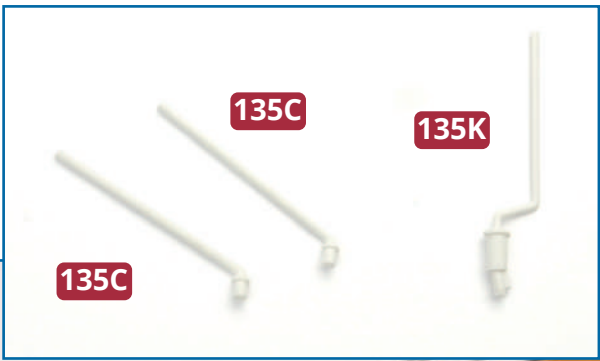
4 Rest the forecastle and forward well deck on the hull at the bow end, without fixing it. Run the electrical cable under the crosspiece and connect it to the socket marked **P** on the circuit board.



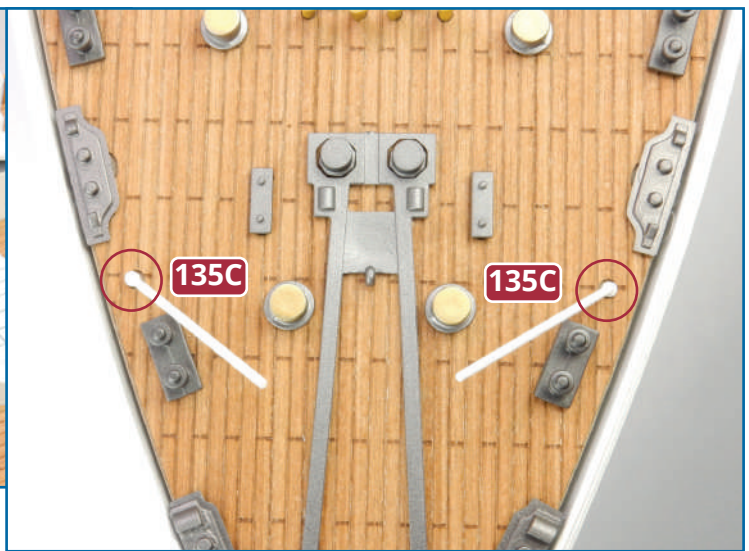
5 Fit a CR2032 battery into the remote control and turn it on. Check that the small red LED on the remote control lights up (above right). Turn the power on at the back of the stand, moving it to “Battery” if you are using AA batteries or “USB-C” if you are using a power bank. Press the “Lights” button on the remote control and check that the LED board under the forecastle deck lights up. Also try the sounds: if they don’t work, try repositioning the hull on the connectors. Turn off the power after testing.



6 Fix the forecastle and forward well deck assembly to the hull with six **GM** screws (supplied with issue 9). Six cleats/bitts, **9A**, **9B**, **9C**, **9D**, **9E** and **9F** were also supplied with issue 9. Position them as shown, over the screws, and fix in place with a little glue if necessary.

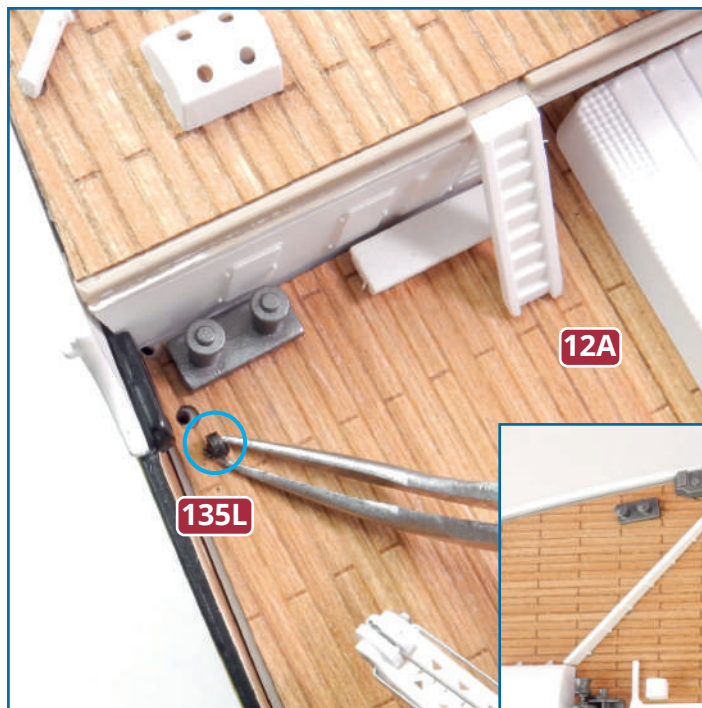
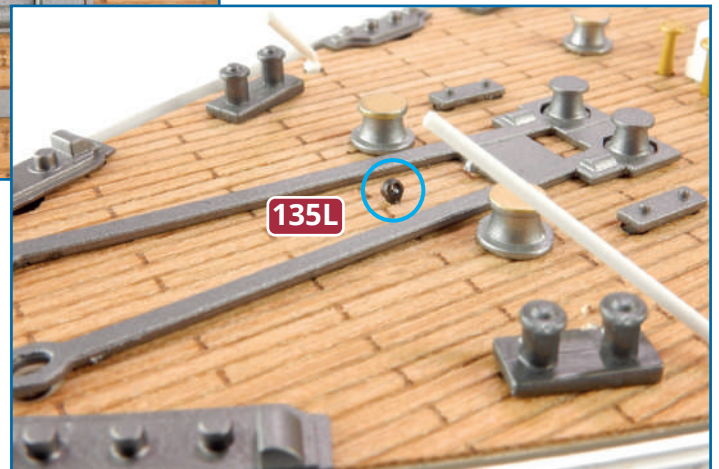
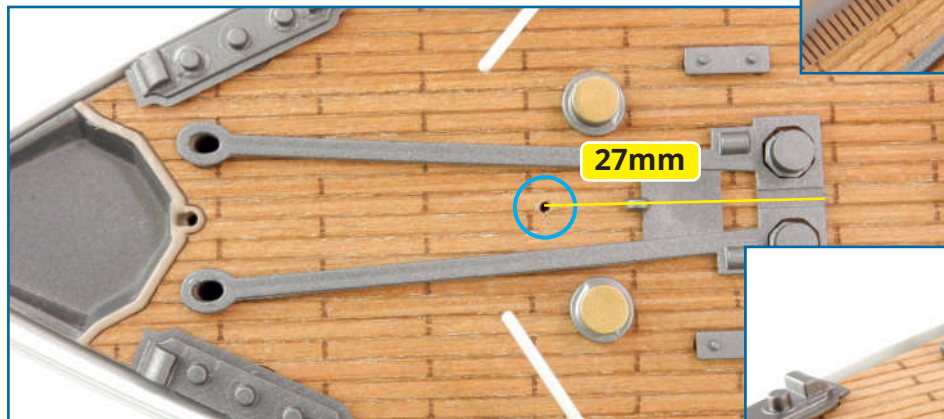
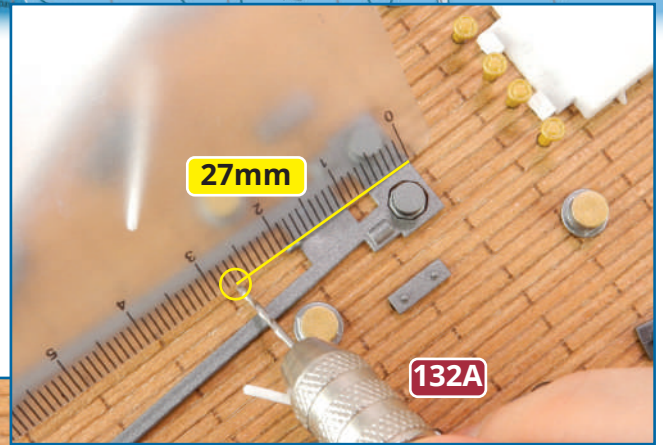


7 Take the rods **135C** (x2) and **135K**. Position them as shown on the foredeck. Use a little glue if necessary.

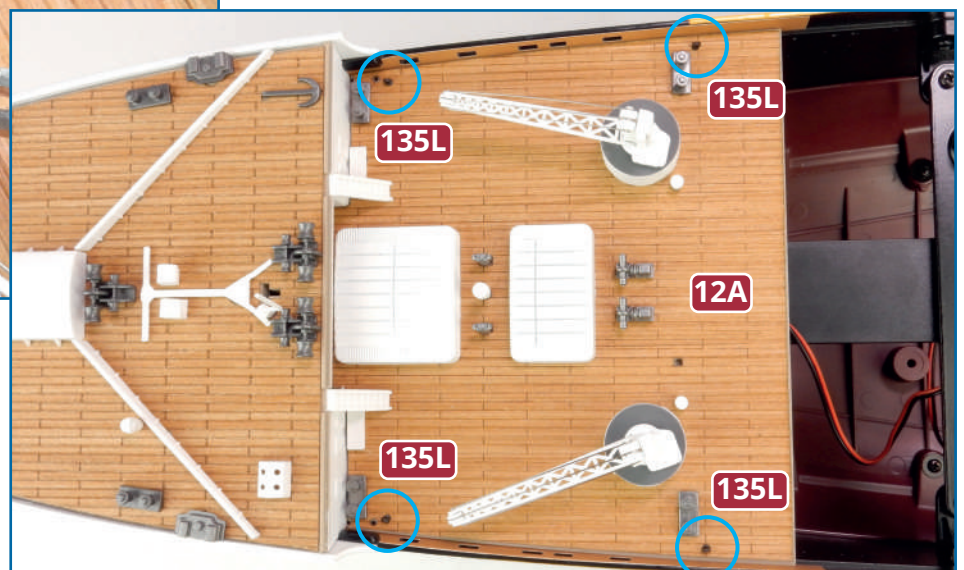


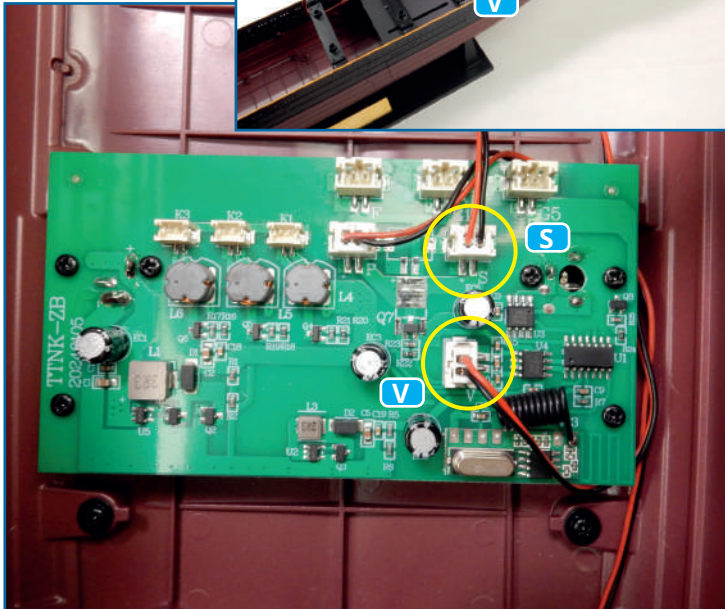
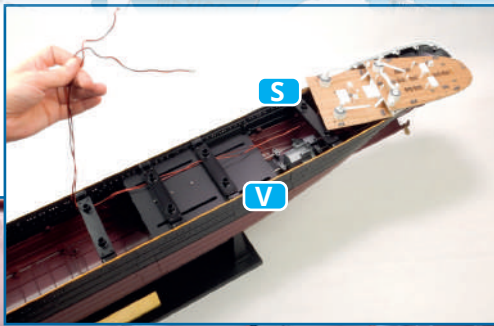
★ STEP-BY-STEP INSTRUCTIONS ★

8 Mark the position for a screw eye in the centre of the forecastle deck, following the measurements shown. It is centred between the arms of the anchor chain guide **8E**, and 27mm from the aft end of that part. Drill a hole in the foredeck with the pin vice **132A**, using the smallest drill bit. Then fit the screw eye tool **132F** and fix a screw eye **135L** in the hole.



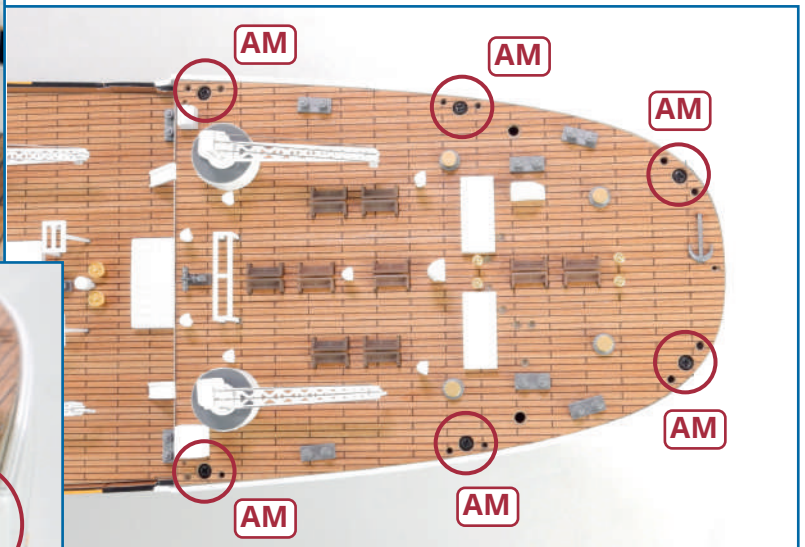
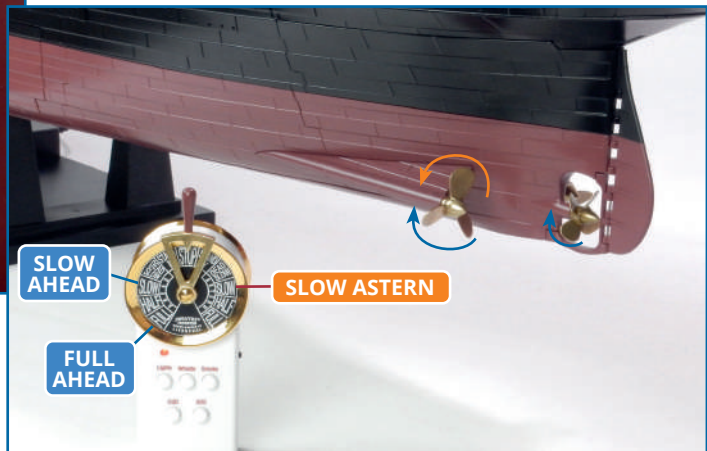
9 Fit four more screw eyes **135L** at the corners of the well deck **12A** at the points circled in blue.





10 Rest the poop deck and aft well deck on the stern end of the hull, without fixing it. Run the electric cable from the LED board beneath the deck under the crosspieces and connect it to the socket marked **S** on the circuit board. Do the same with the cable from the motor and connect it to the socket marked **V**.

In the same way as described in step 5, test the operation of the lights and motor with the remote control. Remember that the central propeller only rotates in one direction (see issues 38 and 40).

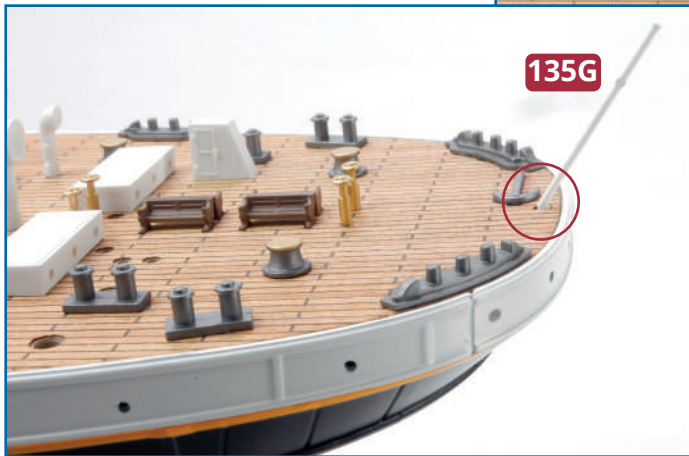
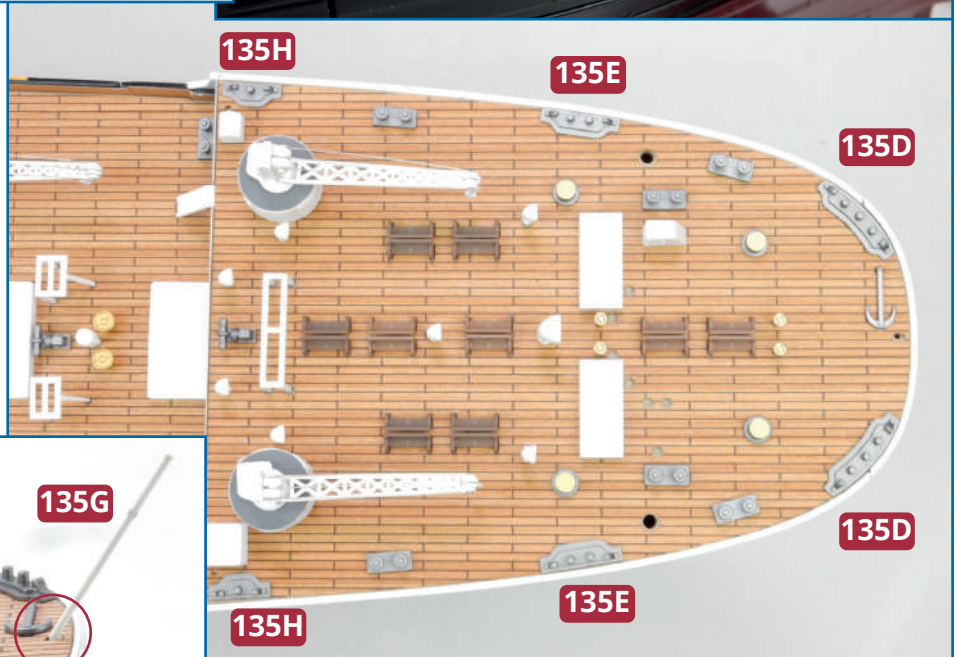


11 The aft deck can now be fixed in place: position the starboard edge first, then the port edge. Make sure that tabs **113A** and **113B** are arranged as shown in the two photos on the side. Fix the deck in place with six **AM** screws.

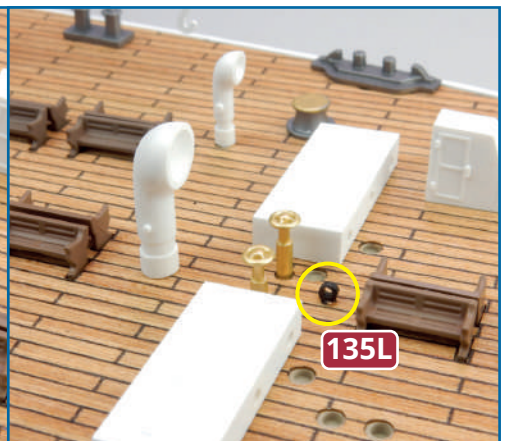
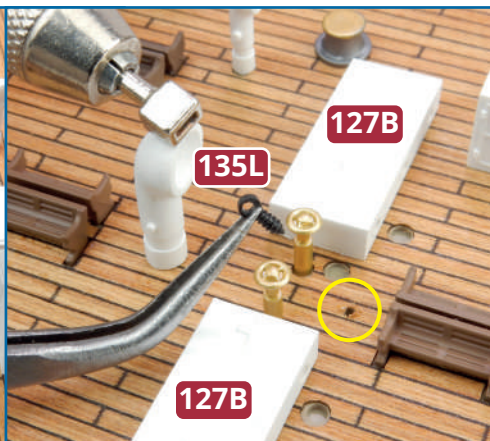
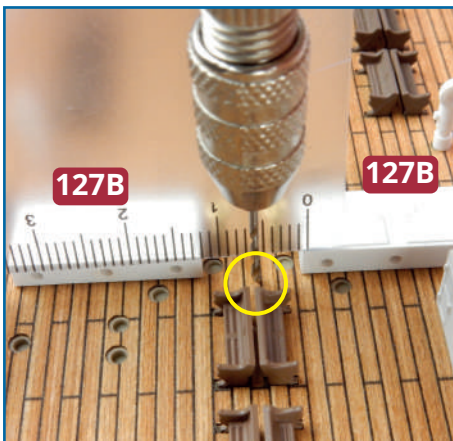
★ **STEP-BY-STEP INSTRUCTIONS** ★

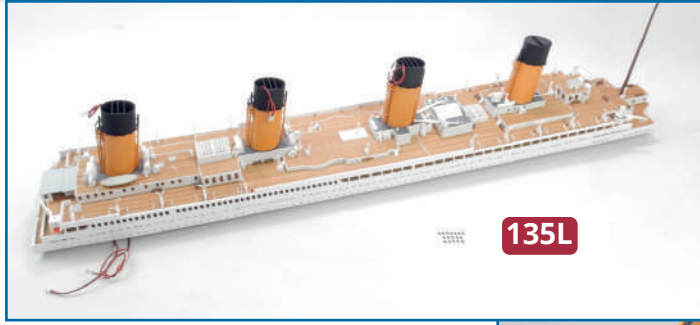
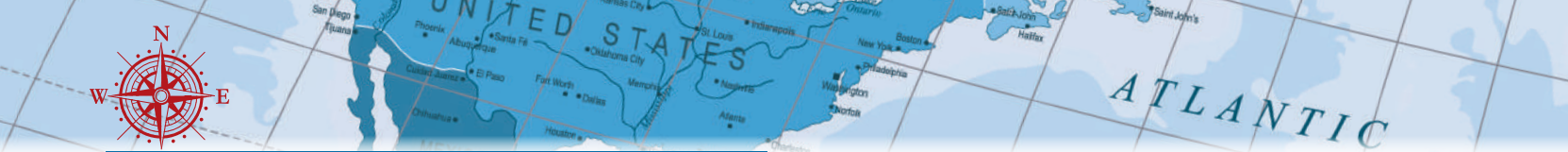


12 Take the six bits **135D**, **135E** and **135H**. Position them as shown, over the **AM** screws and, if necessary, fix them with a little glue. Fit the flagpole **135G** in place at the centre of the stern, and glue in place if necessary.

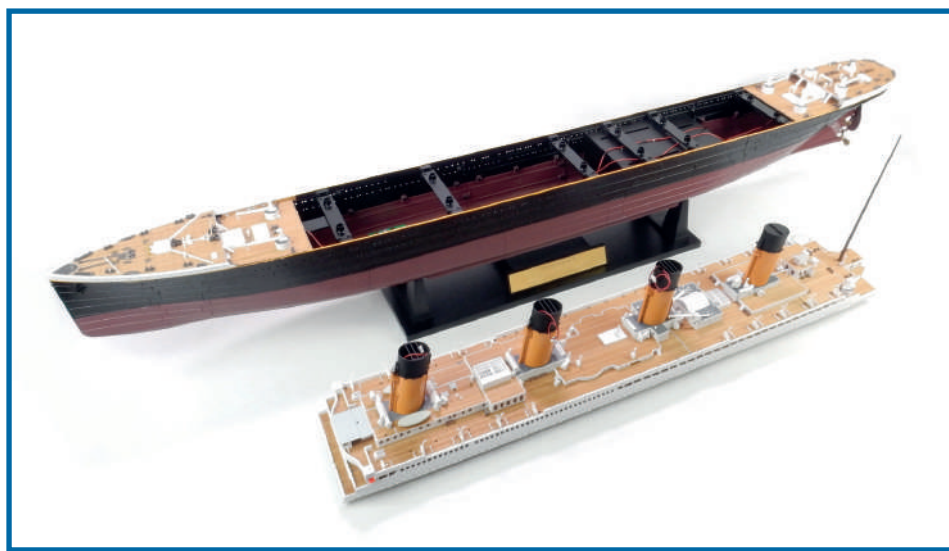
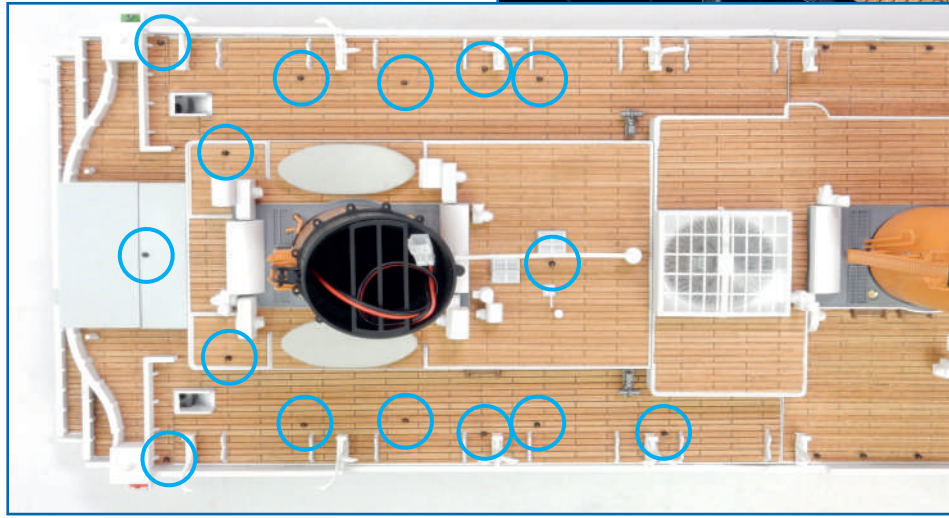


13 Mark the position for a screw eye on the poop deck, centred between the storage boxes **127B** and in line with the aft edge of them. Drill a hole using the pin vice and the smallest drill bit. Then fix a screw eye **135L** using the fixing tool.





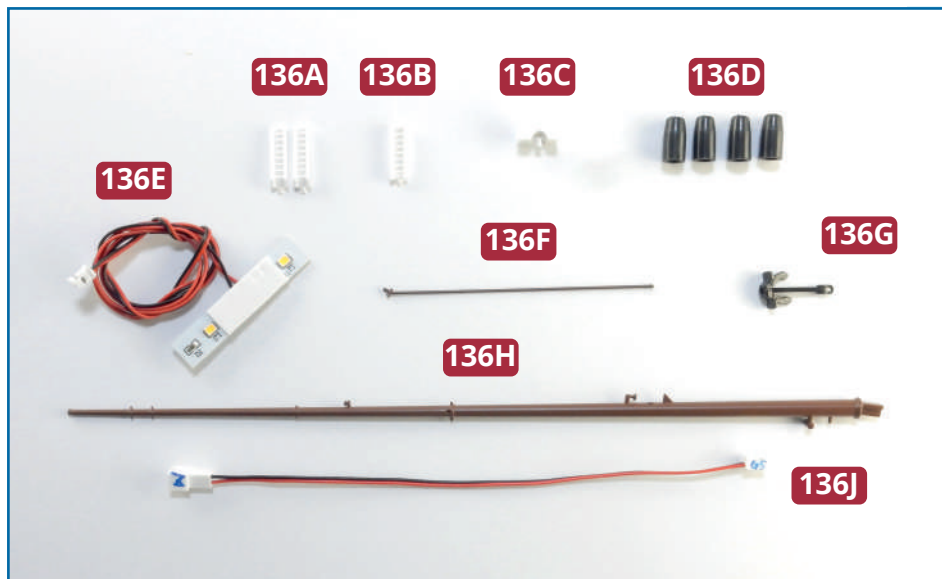
14 Fix two more screw eyes **135L** on the aft well deck at the points indicated. Then fit 15 more screw eyes on the boat deck at the points indicated below.



Completed work

Lights, sound and propeller motor have been tested and the forecandle and poop decks have been fitted to the hull. More screw eyes have been fitted to the decks.

FORWARD MAST



PARTS IN THIS ISSUE

136A Stern ladders x 2

136B Bow ladder

136C Crow's nest

136D Support cone x 4

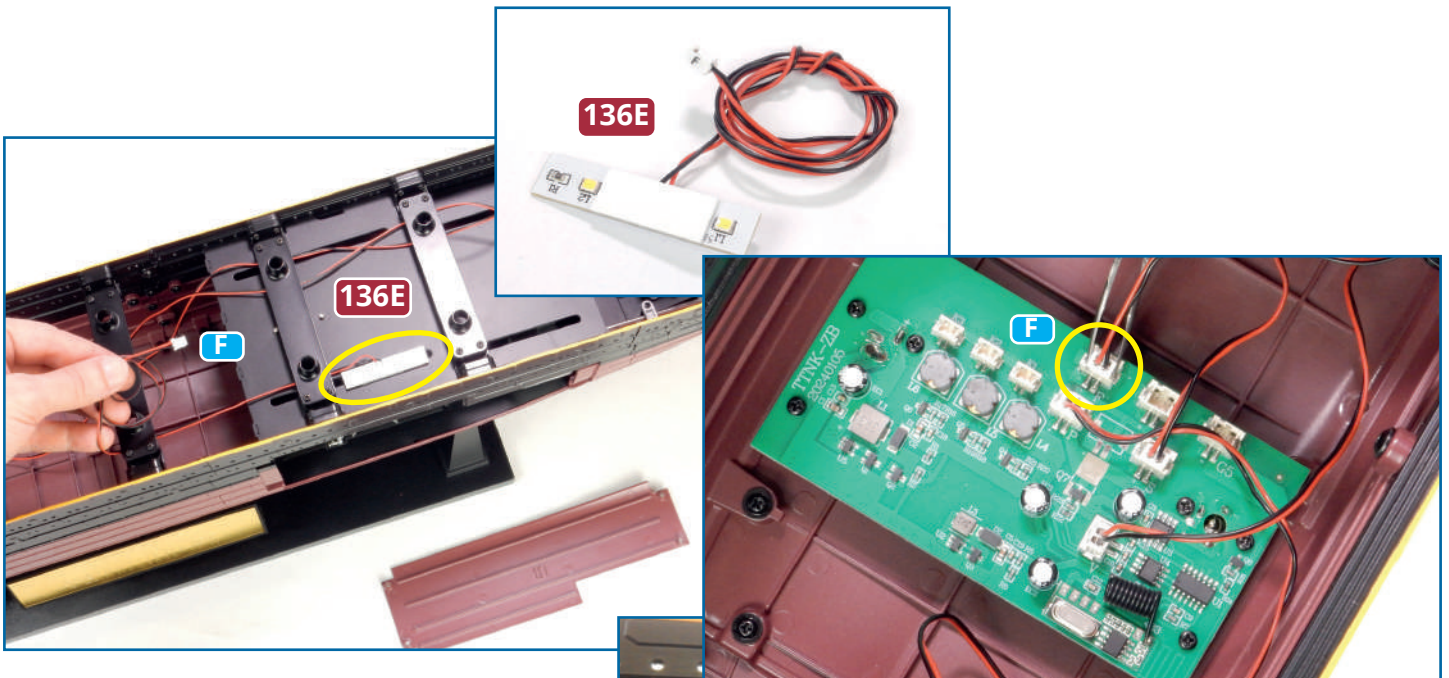
136E LED strip

136F Boom

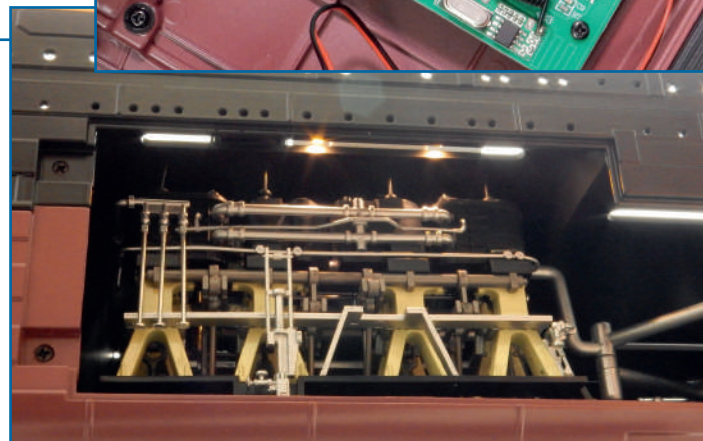
136G Anchor

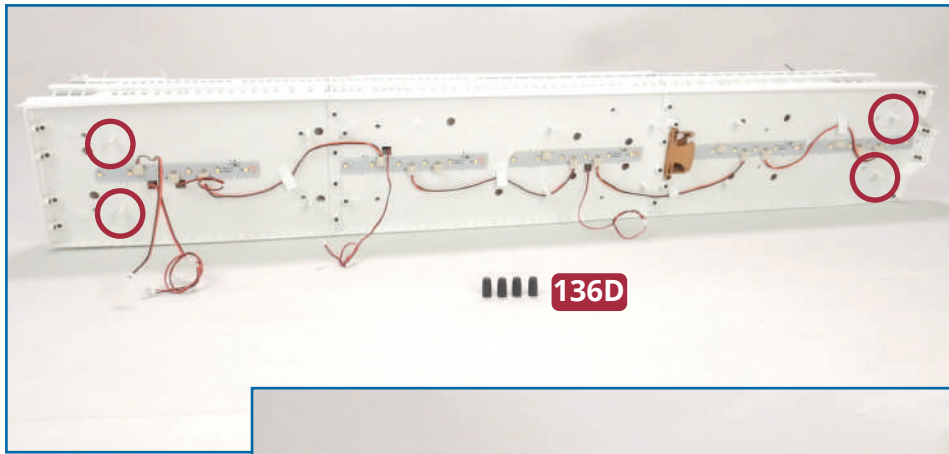
136H Forward mast

136J Z/G5 electric cable

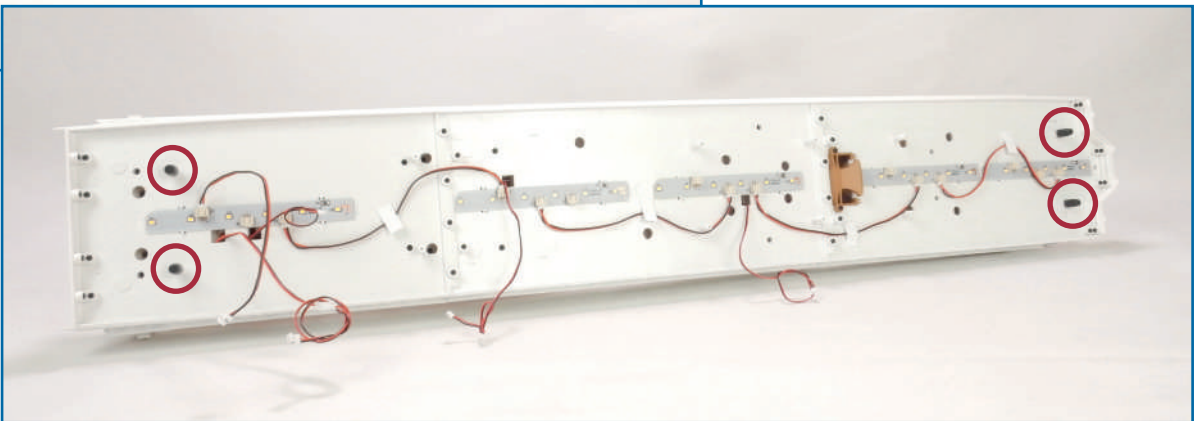


1 Take the LED strip **136E** and identify the fixing point on the opening of the engine room ceiling. Remove the backing from the double sided tape and fix in place. Run the cable under the cross supports and connect it to the **F** socket on the main circuit board (above right). Check that the lights work by switching on the batteries (or powerbank) as described in the previous issue.

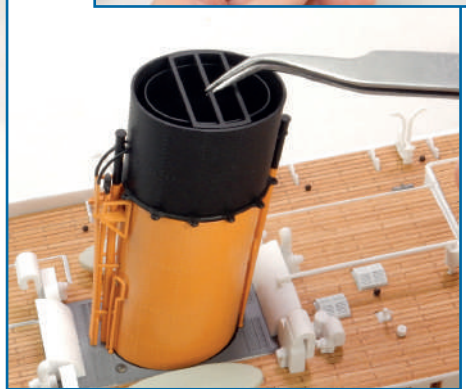
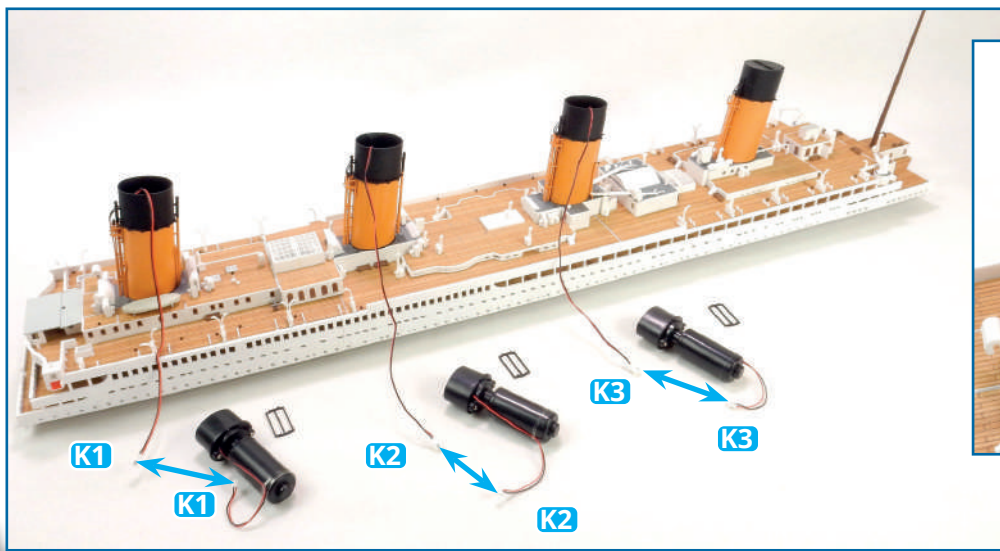
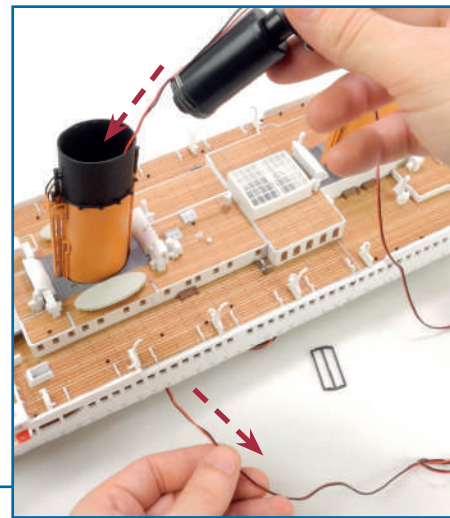


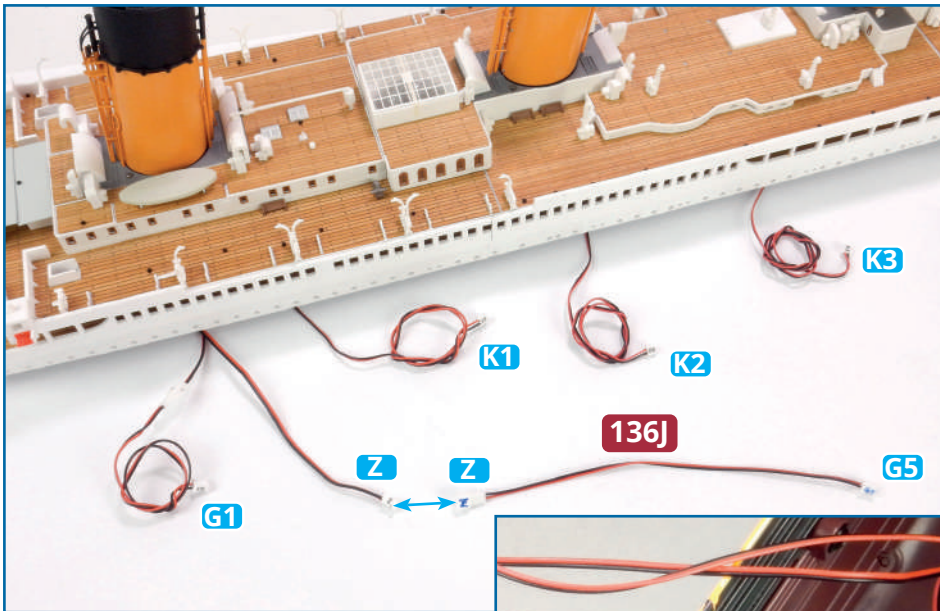


2 Take the deck assembly and carefully turn it on its side so that you can fit the four support cones **136D** at the points indicated.

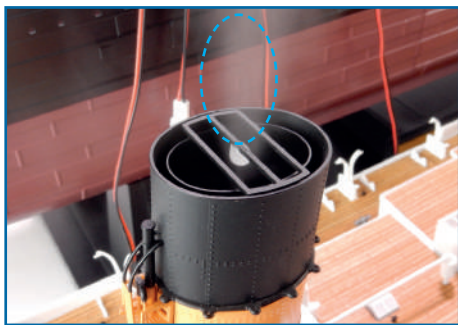
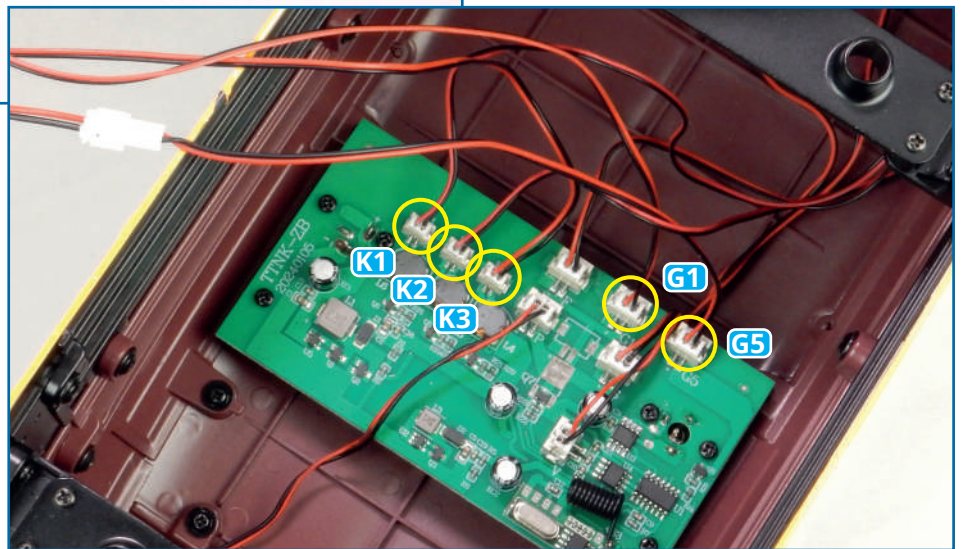


3 Take the three tanks **11A**, **17C** and **55H** for the funnels. Remove the filters, fill each tank with 10ml (2 teaspoons) of water and replace the filters. Then fit the smoke generators **3S**, **19M** and **55C** on the tanks. Connect the cables **K1**, **K2** and **K3** to the extensions (coming out of the funnels), then insert the smoke assemblies into the funnels, drawing the extension cables down through the funnels so that they are taut inside the funnels. Finally, position the grilles **19C** (x2) and **55F** on the funnels. Do not use any glue.

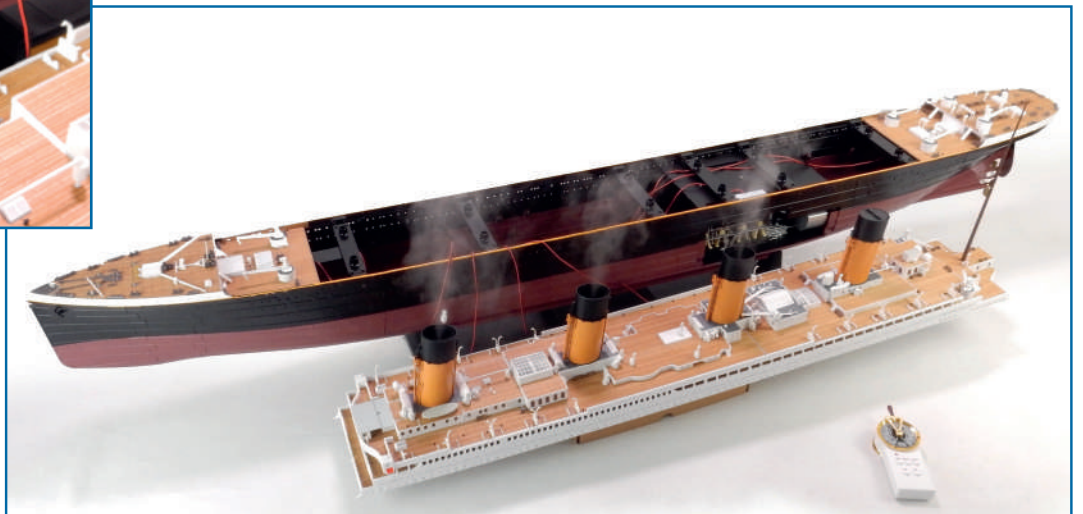


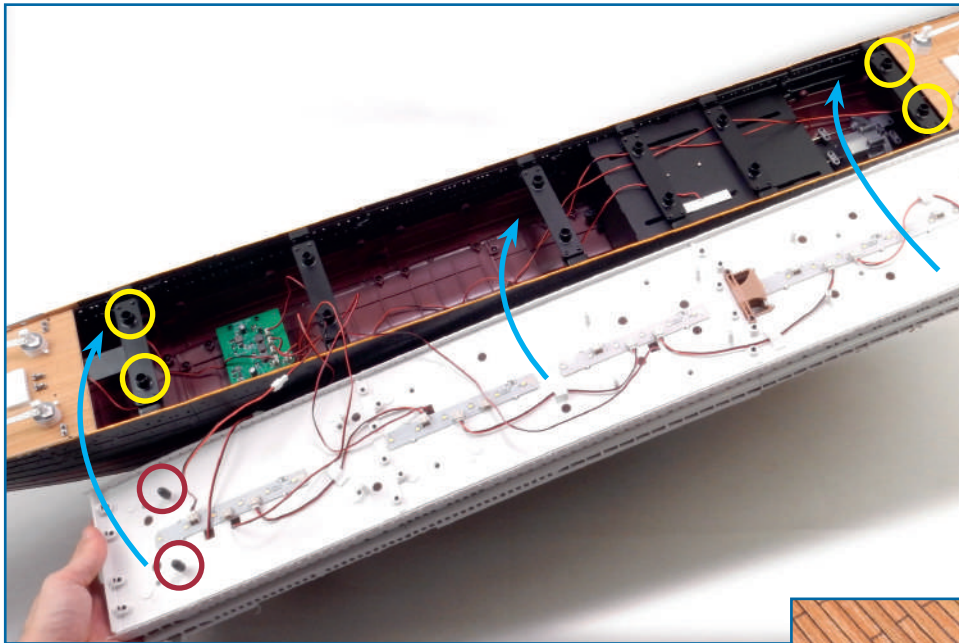


4 Join the connector marked **Z** on the cable **136J** to the cable marked **Z** coming from the underside of the deck assembly. Connect the cables marked **K1**, **K2** and **K3** (from the funnels) and **G1** and **G5** to the corresponding sockets on the main circuit board.

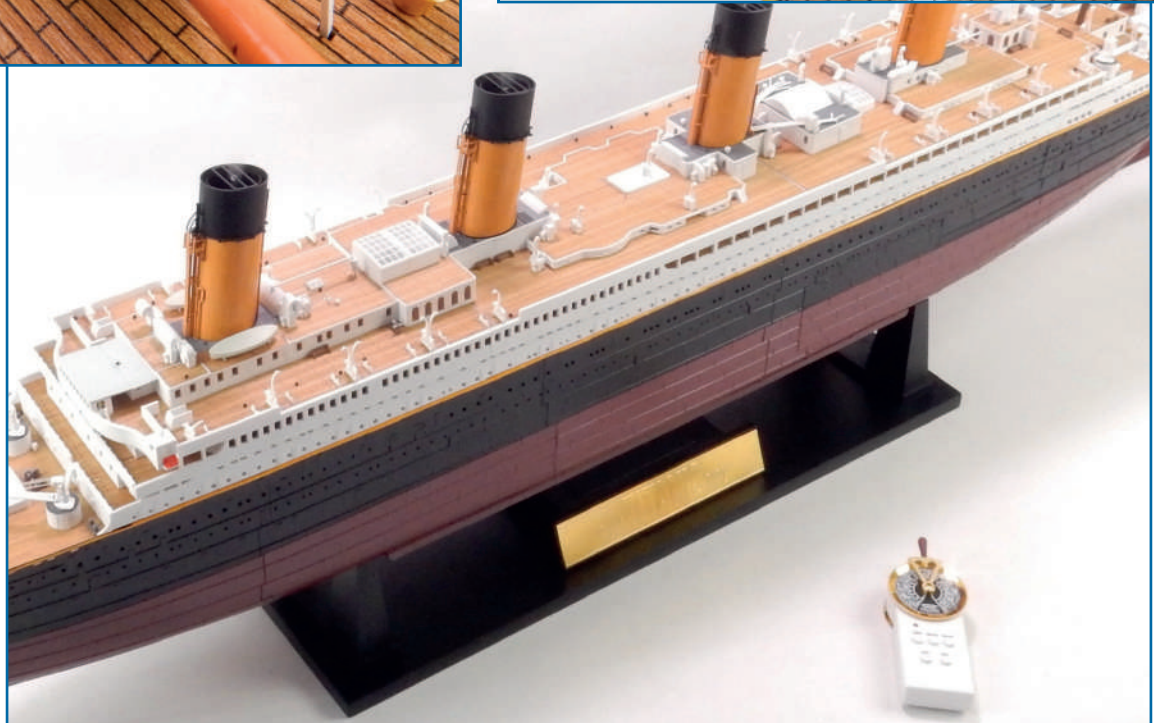


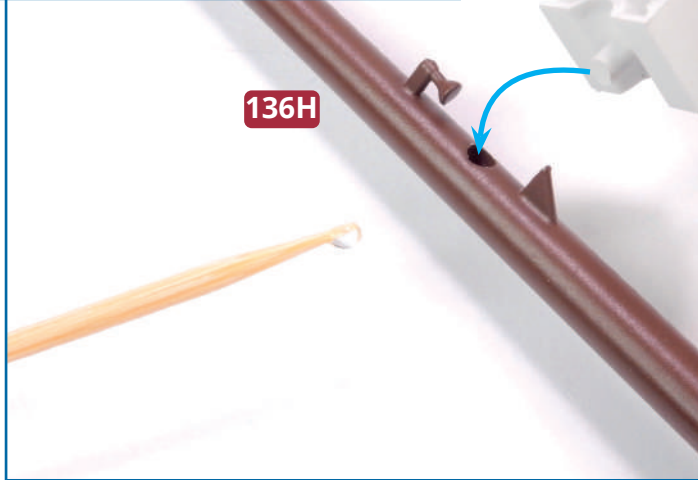
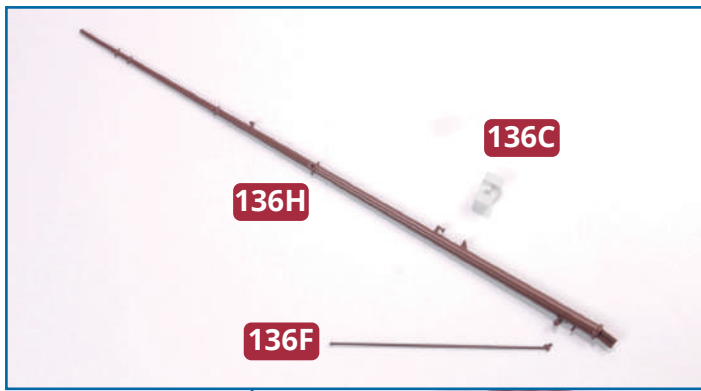
5 Check that the three smoke generators are working by switching on the batteries (or power pack). The smoke generators, like the motor for the propellers, automatically turn off after 90 seconds. We suggest removing the grilles from the funnels to prevent condensation from forming. Turn off the power after completing the test.



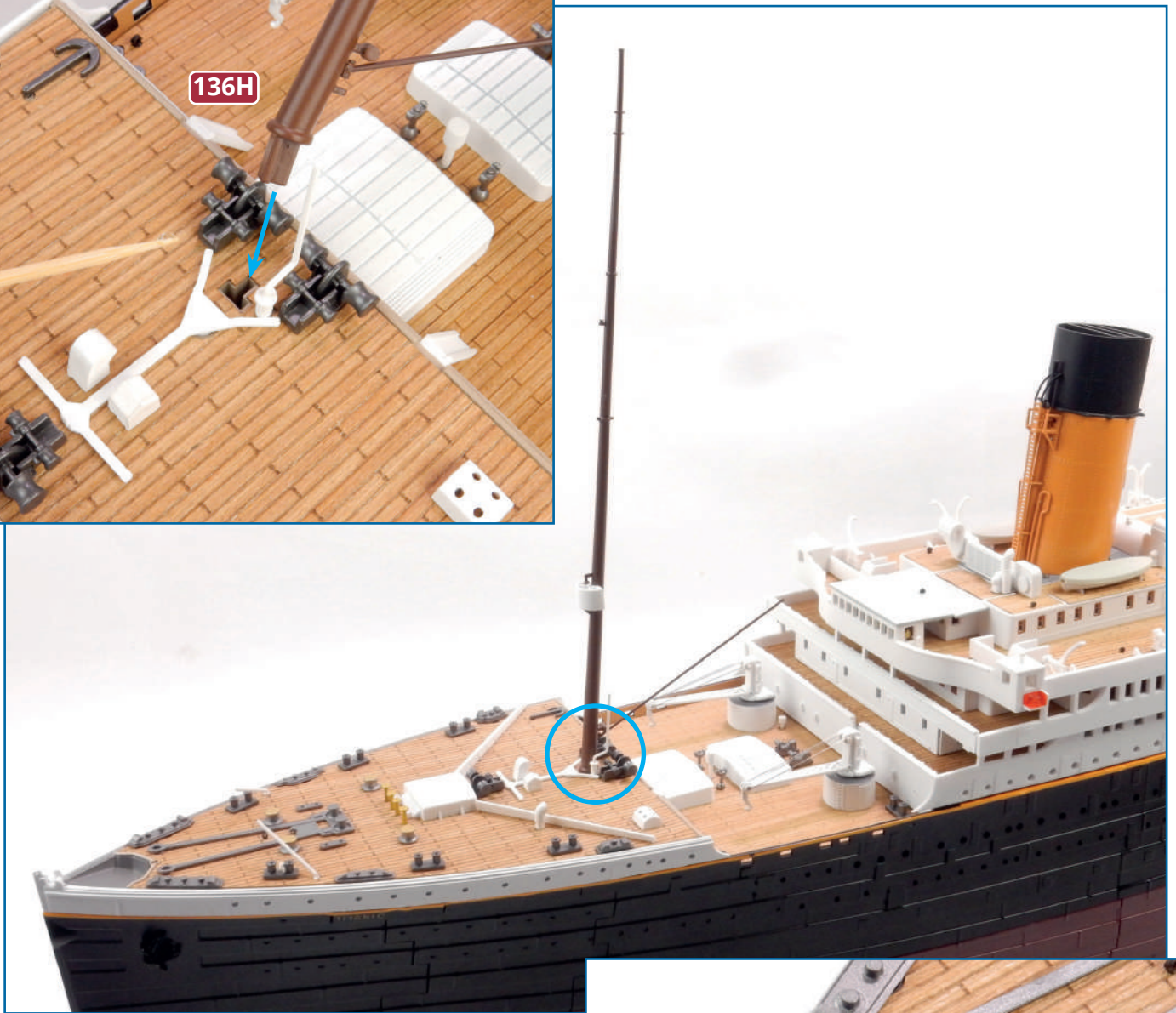
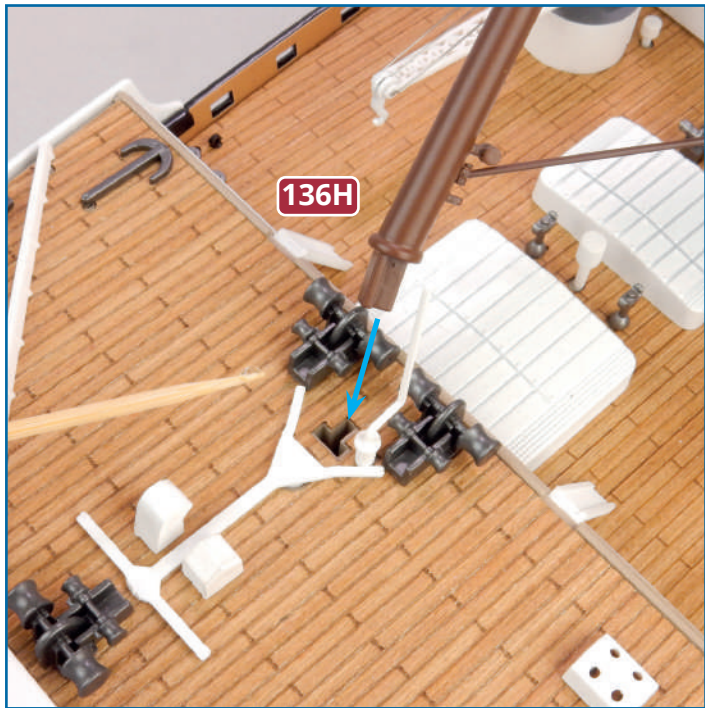


6 If everything is properly connected and tested, you can join the deck assembly to the hull. Work carefully and slowly, checking that all the pegs are aligned correctly and the cables are not fouling any of the connection points. Position the decks carefully, then with the forward end in the correct position, use tweezers or a flat screwdriver to ensure the tabs on the front of the deck assembly fit into slots in the forward well deck. Then move to the aft end of the deck assembly and fit the tabs there into the slots in the aft well deck.





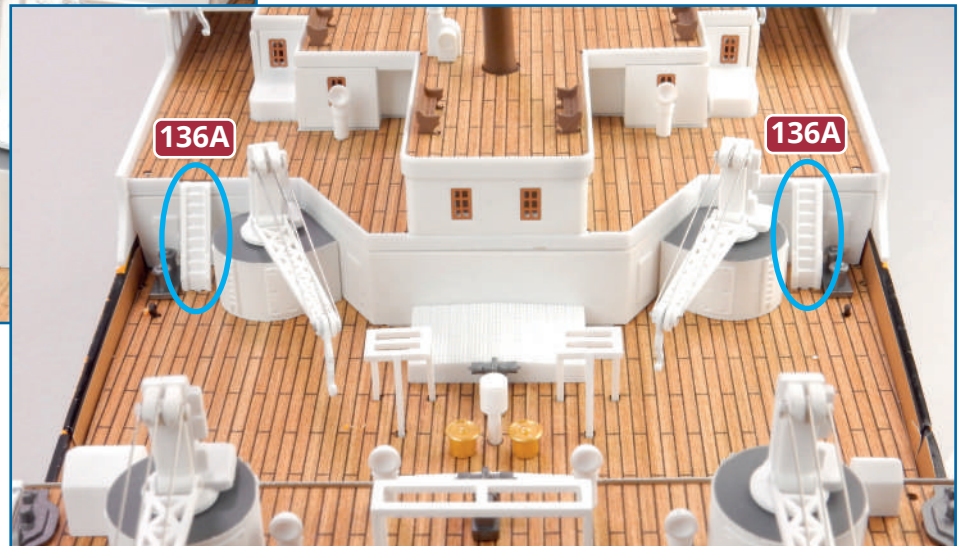
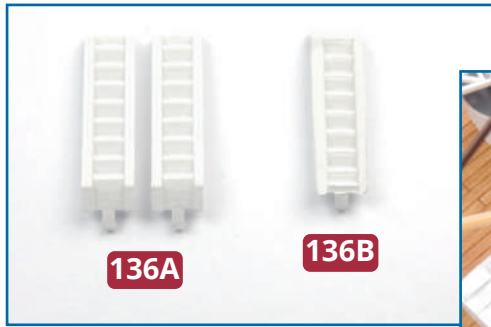
7 Take the mast **136H**, the crow's nest **136C** and the boom **136F**. Fix the crow's nest and the boom to the mast, as shown. Use a little glue if necessary.



8 Fix the mast **136H** to the foreccastle deck, fitting the T-shaped end of the mast into the corresponding socket. Fix in place with a little glue. Then position the anchor **136G** in the bow housing, without gluing it.



★ STEP-BY-STEP INSTRUCTIONS ★



9 Check the fit of the ladder **136B** at the bow, and fix in place using a little glue. Then glue the two ladders **136A** at the stern, as shown right.

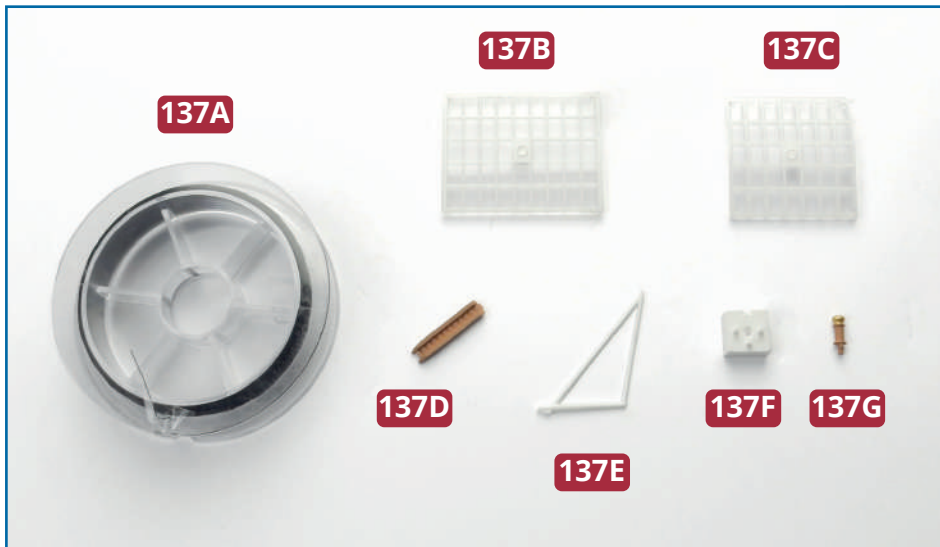
Completed work

Your model is nearing completion, with the decks in place and the funnels ready to smoke!





REPLACEMENT SKYLIGHTS



PARTS IN THIS ISSUE

137A Spool of black nylon line

137B Forward skylight

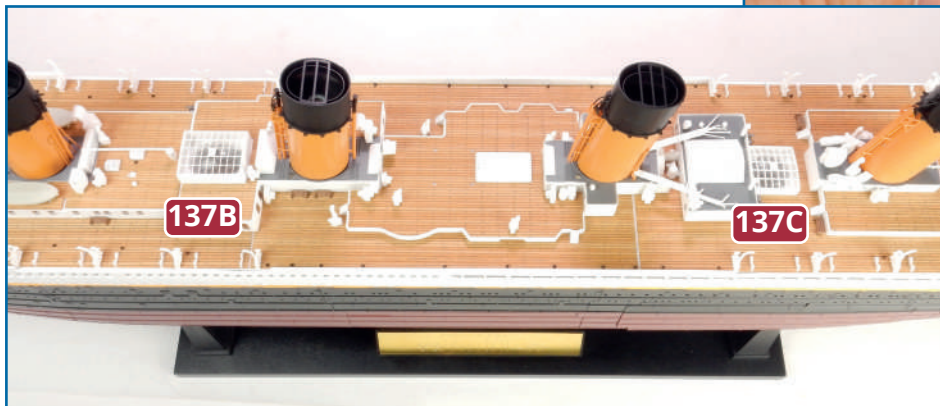
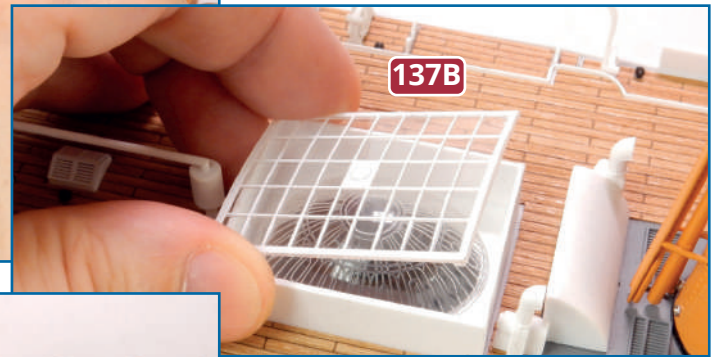
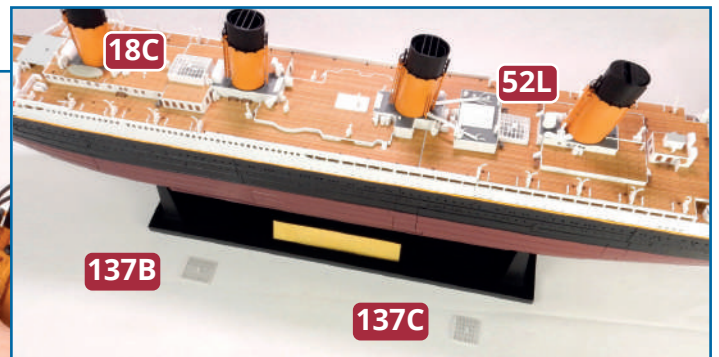
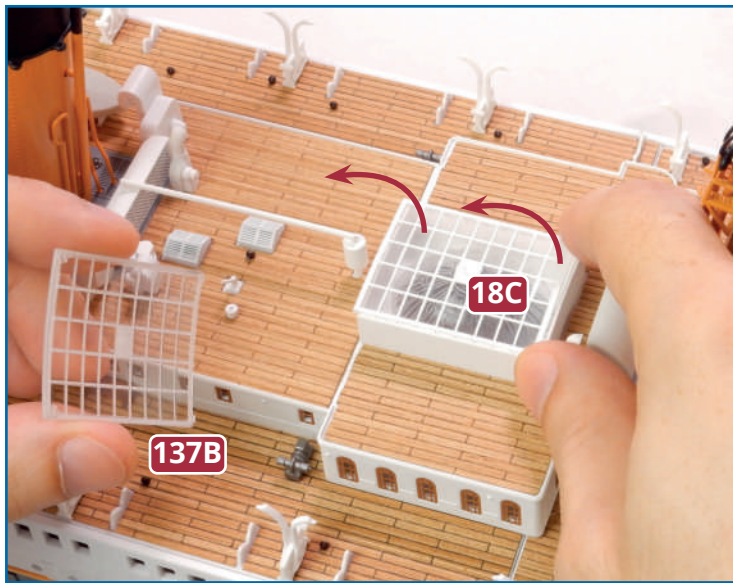
137C Aft skylight

137D Ladder

137E Hoist

137F Compass platform

137G Compass

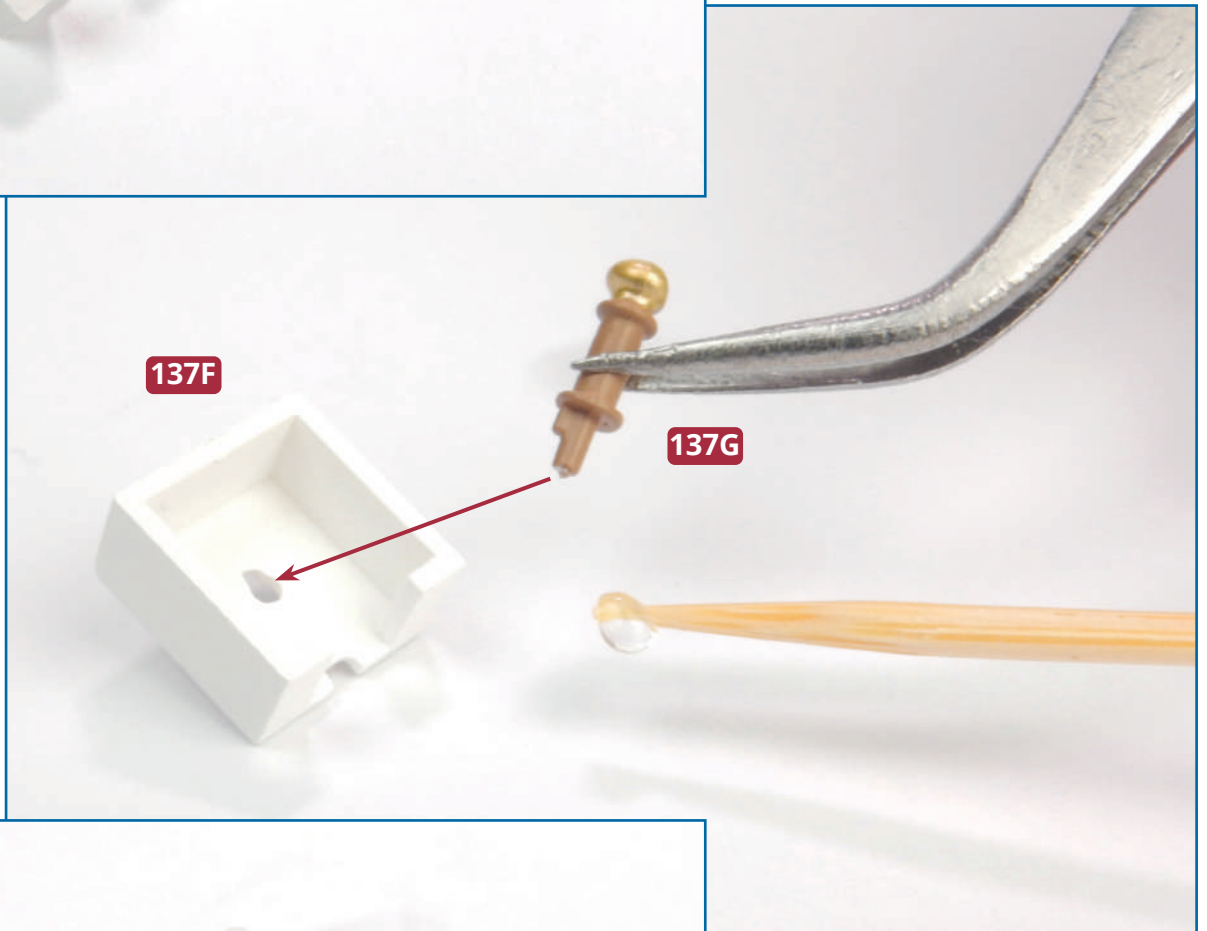


1 Remove the original skylights **18C** and **52L**. Replace them with the new skylights **137B** and **137C**. Do not use any glue.

★ **STEP-BY-STEP INSTRUCTIONS** ★

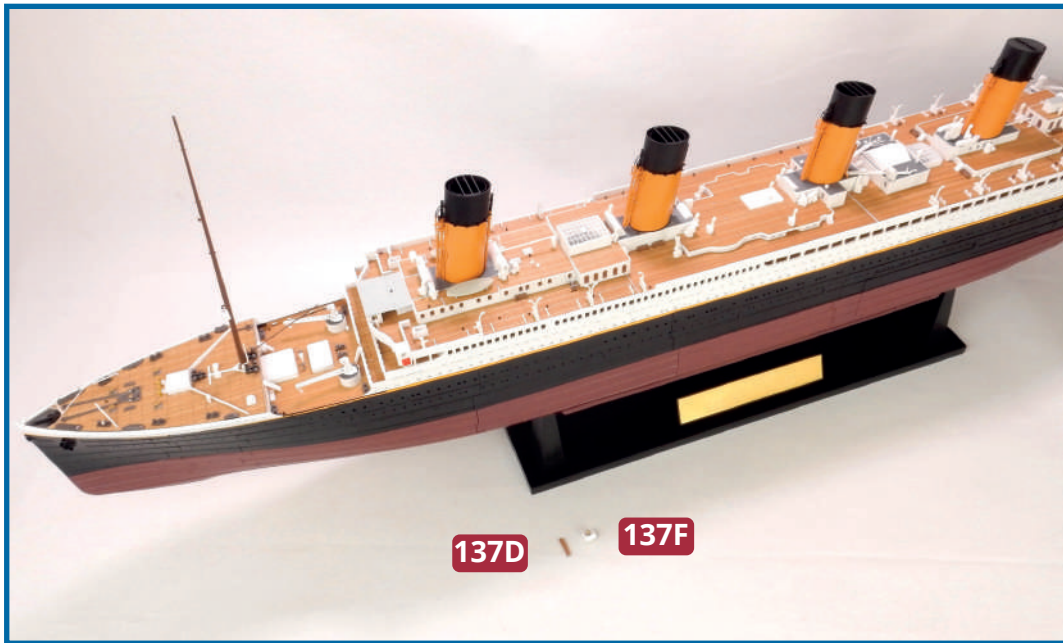
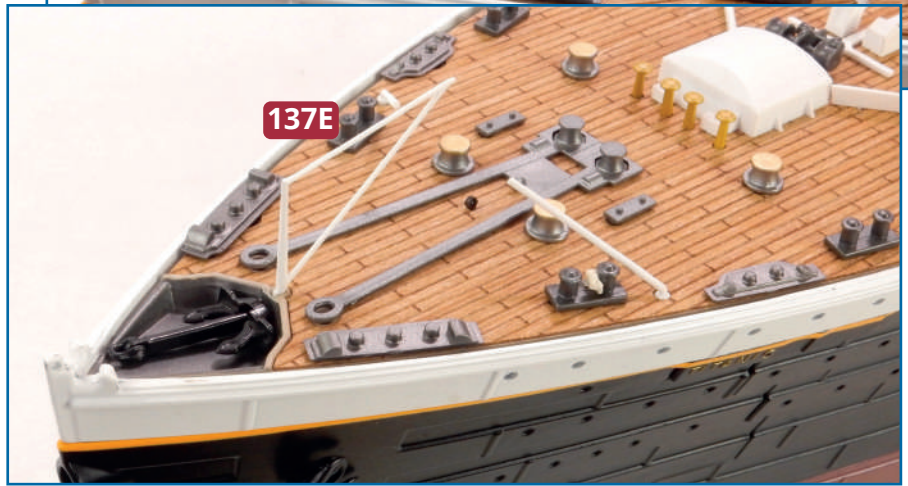
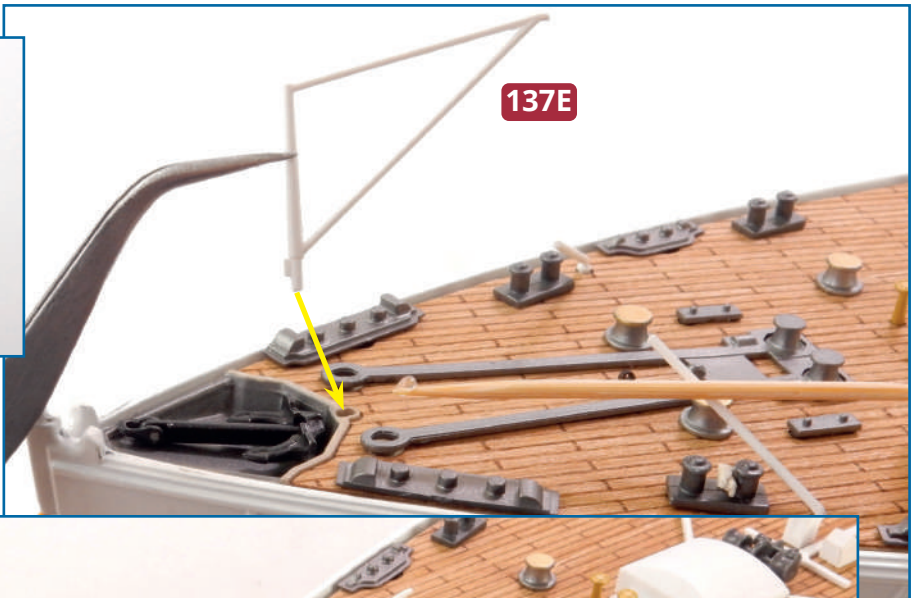


2 Take the compass **137G** and the platform **137F**. Fix the compass in the centre of the platform as shown, using a little glue. Note that the base of part **137G** is shaped to fit in the shaped hole in part **137F**.





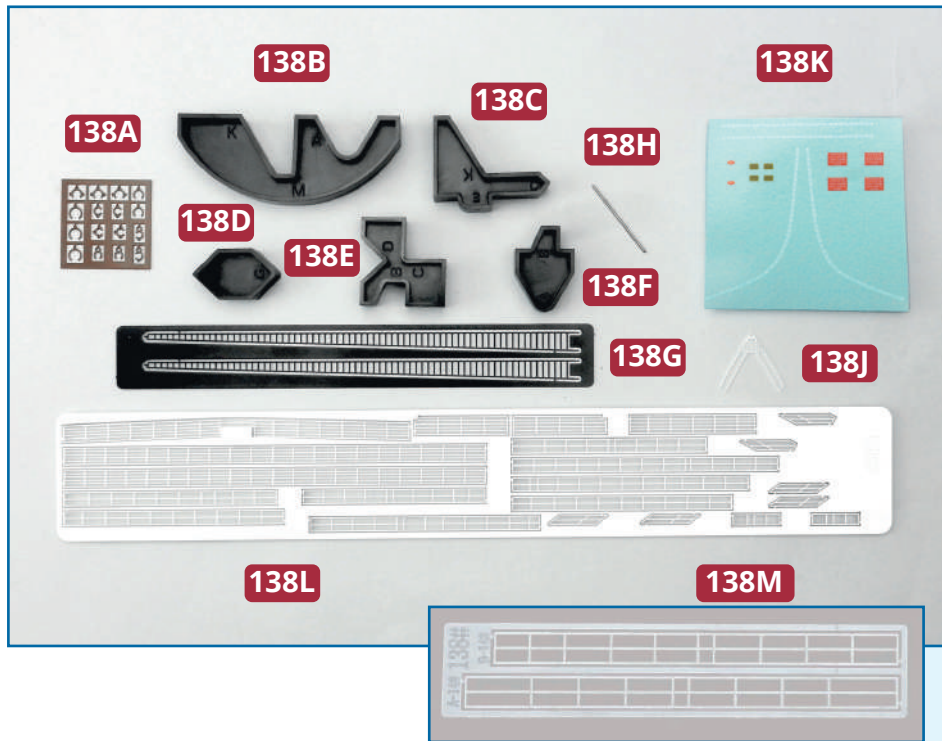
3 Take the hoist **137E** and glue it in place at the bow, behind the anchor, as shown (yellow arrow).



Completed work

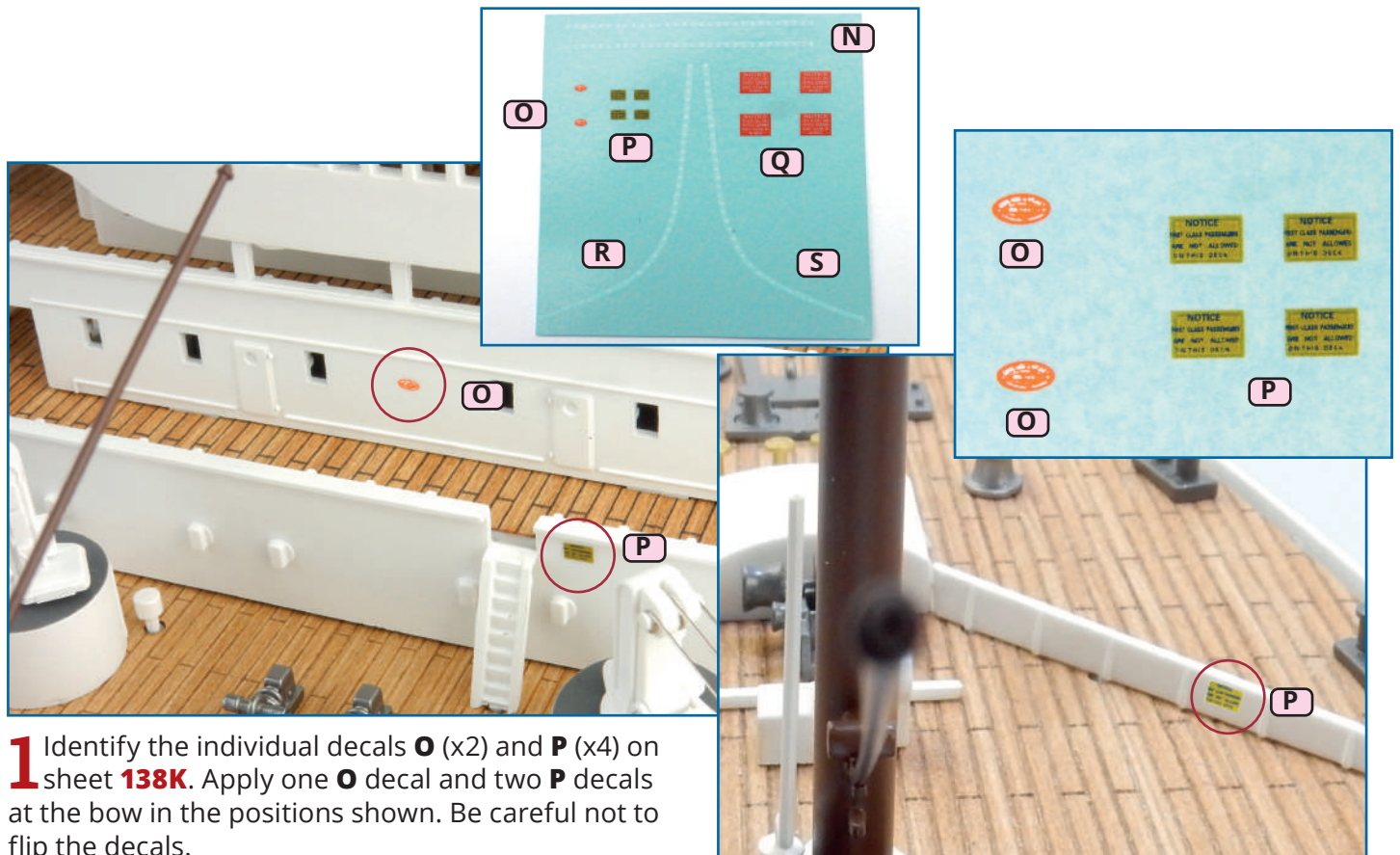
Further details have been added to the model. Store the ladder **137D** and the compass platform assembly carefully: they will be used in a future issue. The spool of nylon thread is for the rigging; instructions will be provided in a separate section of the assembly guide.

PHOTO-ETCHED PARTS AND DECALS

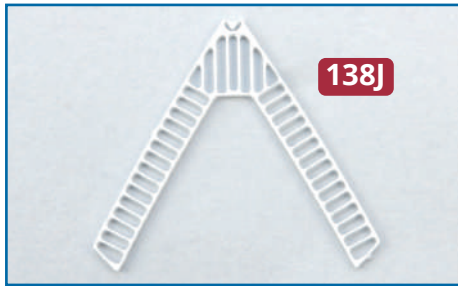


PARTS IN THIS ISSUE

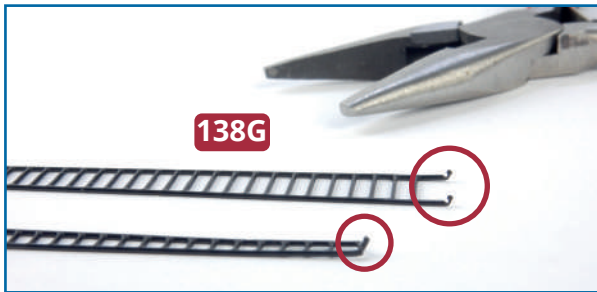
- 138A** Mast Ring Set
- 138B** Template (A, K, M)
- 138C** Template (E, K)
- 138D** Template (D, G)
- 138E** Template (D, B, C)
- 138F** Template (A, B)
- 138G** Bow shrouds
- 138H** Bow flag pole
- 138J** Bow grille
- 138K** Decal sheet
- 138L** Photo-etched parts
- 138M** Replacement parts A-14 and B-14



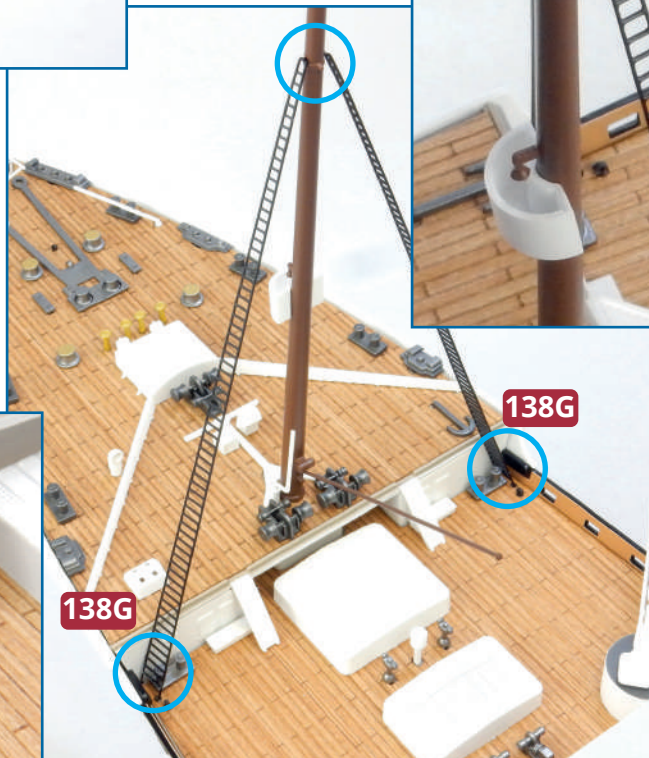
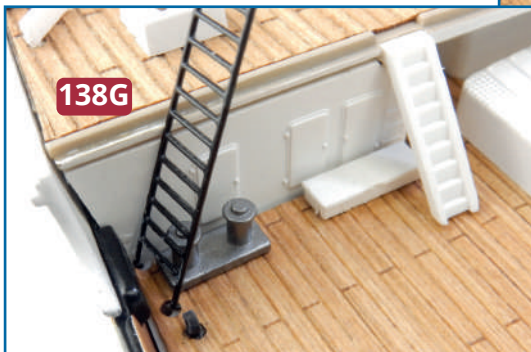
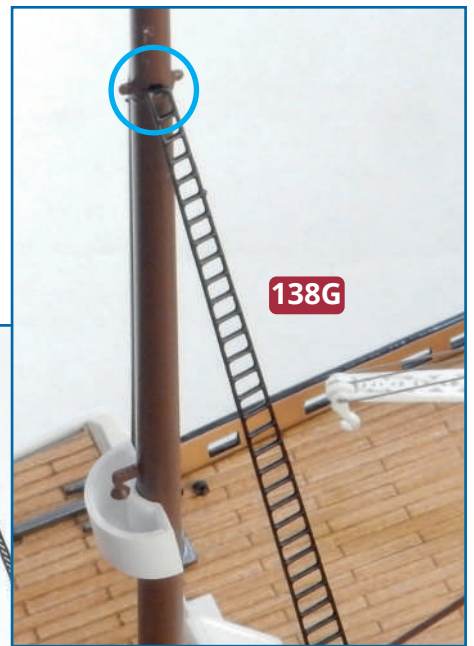
1 Identify the individual decals **O** (x2) and **P** (x4) on sheet **138K**. Apply one **O** decal and two **P** decals at the bow in the positions shown. Be careful not to flip the decals.



2 Take the grille **138J** and check the fit around the recess where the anchor is at the bow. Glue it in place. For the metallic photo-etched details use cyanoacrylate glue (super glue) or specific adhesives for this type of material.

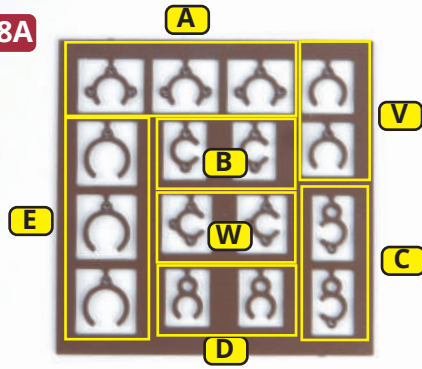


3 Remove the bow shrouds **138G** from the frame using a craft knife or small wire cutter. Bend the ends of the side rails of the shrouds with pliers (circled above). Position the shrouds either side of the mast on the forecandle deck. Glue them to the deck and foremast as shown (blue circles).

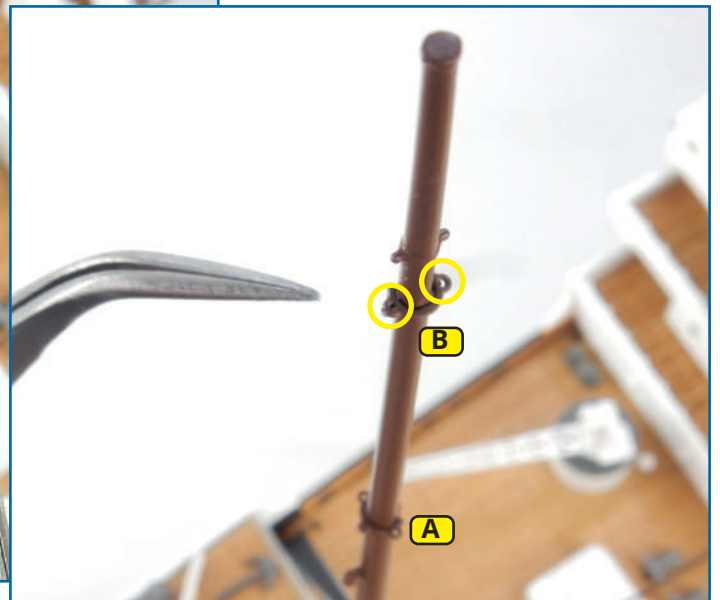
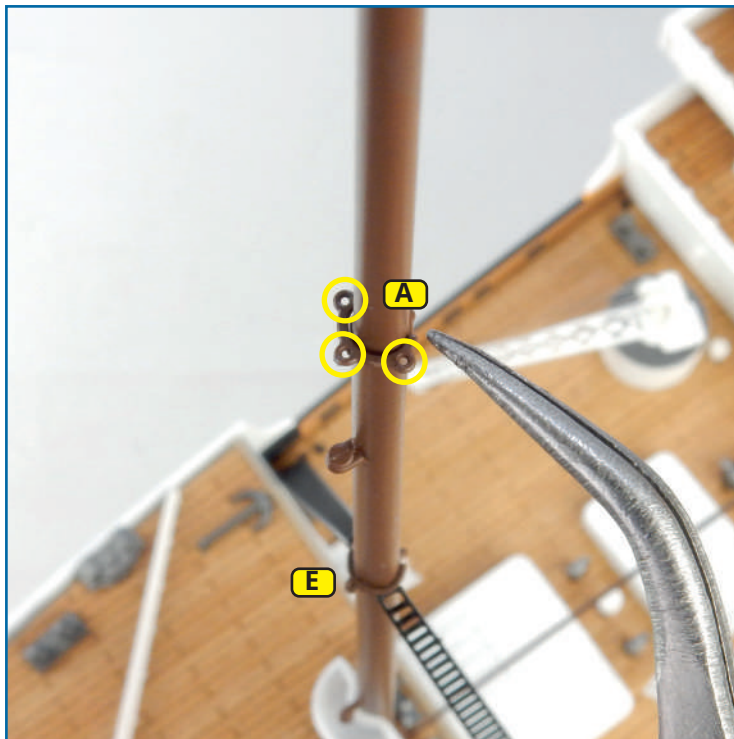
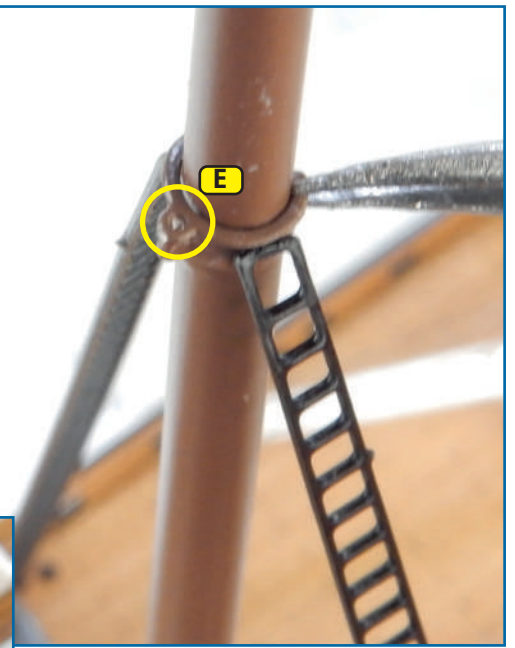
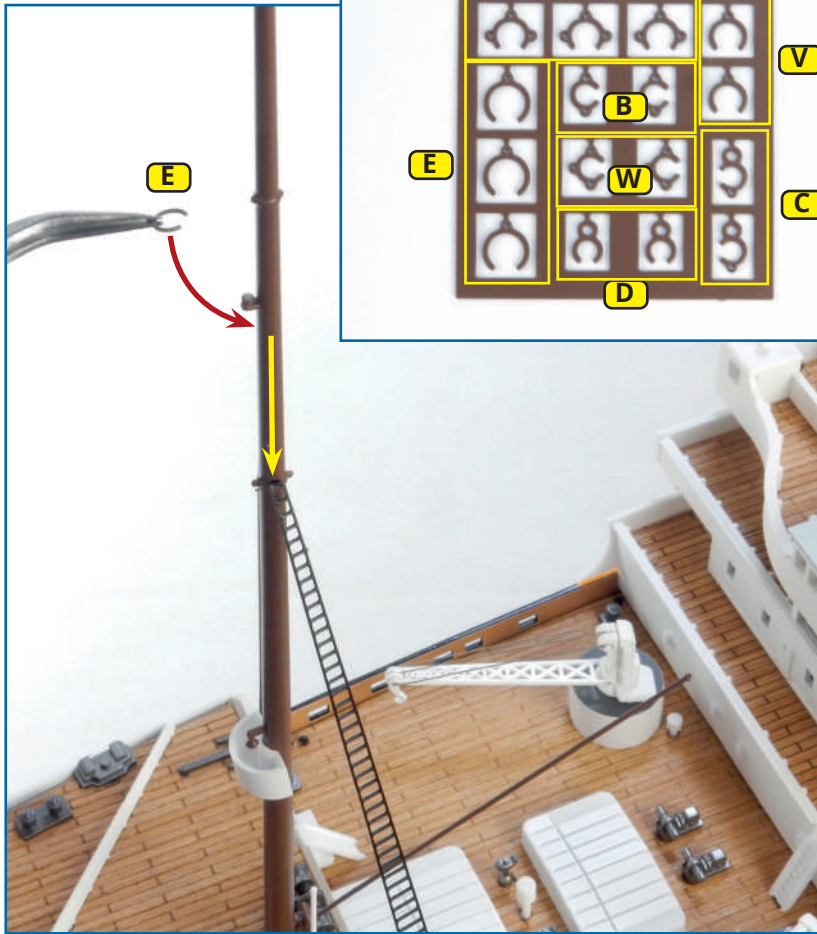


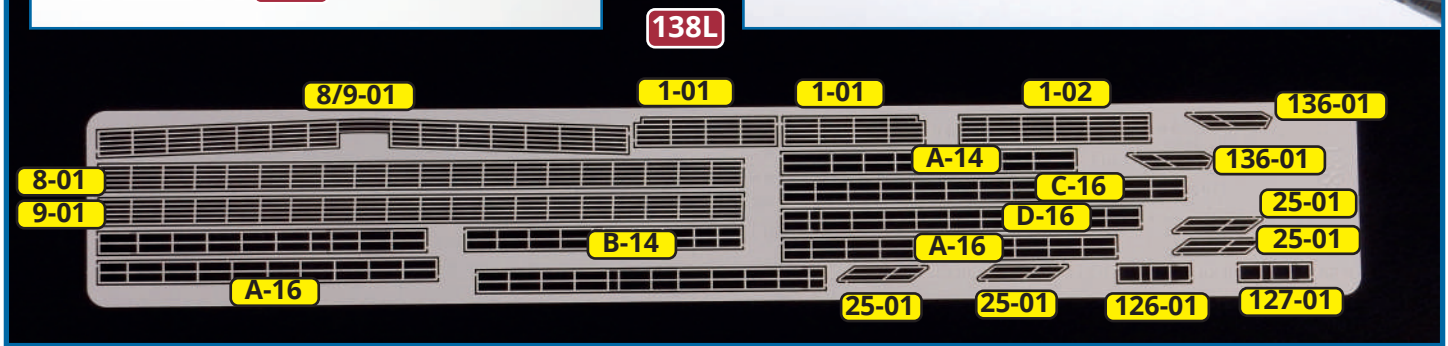
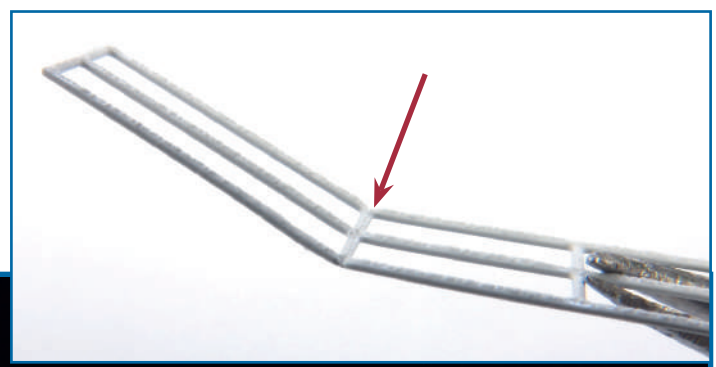
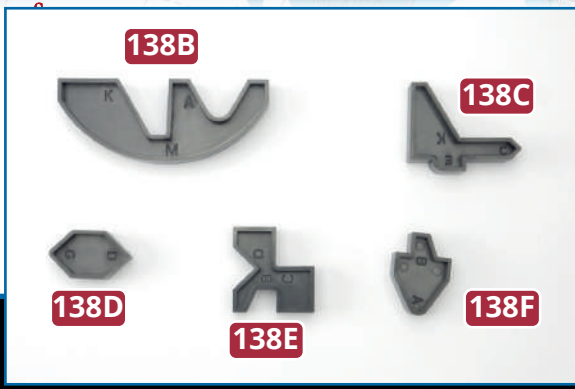
★ STEP-BY-STEP INSTRUCTIONS ★

138A



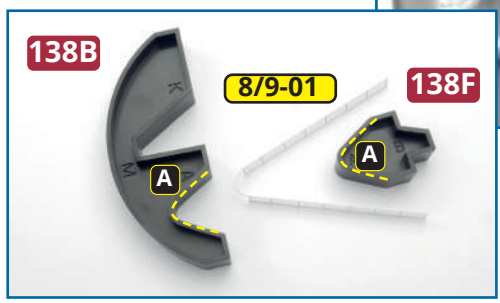
4 Identify the rings on part **138A**. Detach one **E** ring, one **A** ring and one **B** ring. Fit the **E** ring on the mast, sliding it down to the top of the shrouds. Note the position of the hole for the rigging (circled, below). Fix in place with a little glue. Fit the **A** ring and then the **B** ring at the positions shown, noting the positions of the holes for the rigging, and glue them in place.



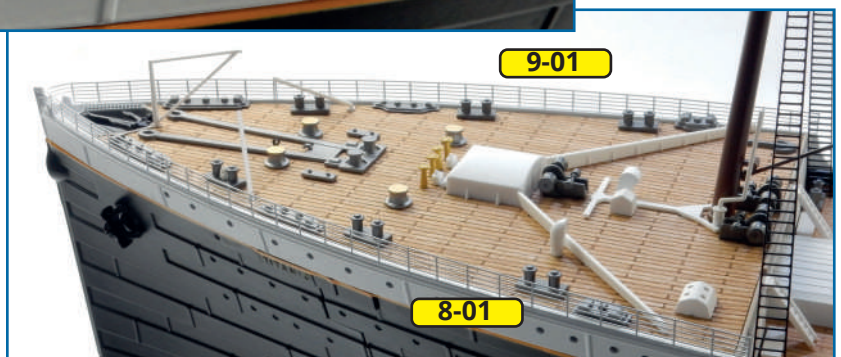


5 The photo-etched parts are the railings for various parts of the ship. The plastic templates are provided to help you bend them accurately. Each angle on the template has a letter, and the letters have to be matched together to provide both sides of the shape to be formed.

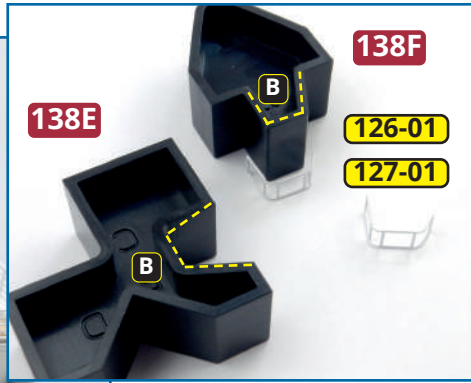
NOTE: The photo-etched parts have fold lines marked on one side. Identify all the parts before you continue.



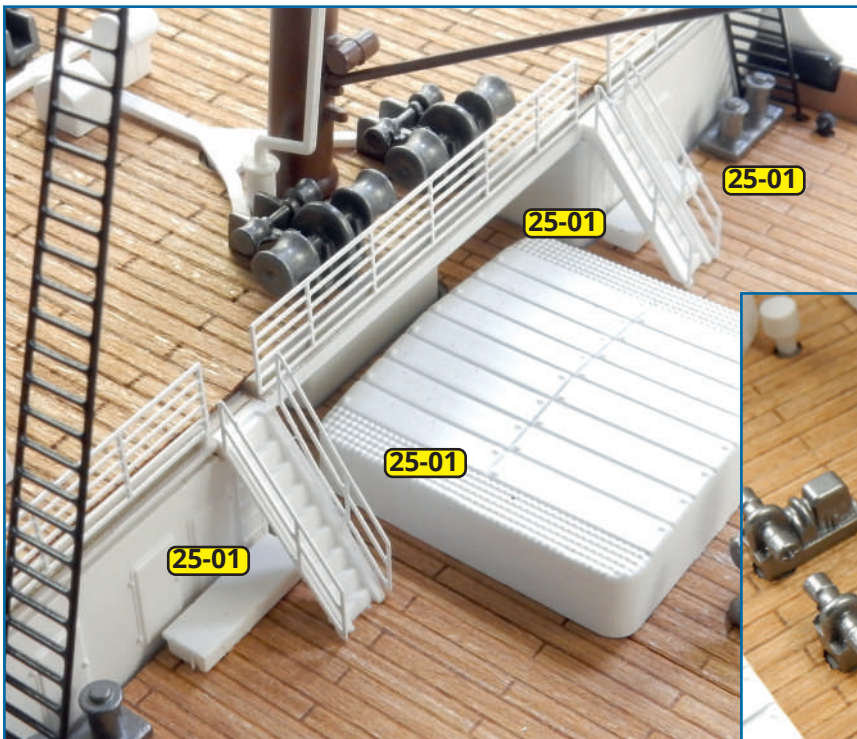
6 Remove part **8/9-01** from the frame and bend using the shape **A** on templates **138B** and **138F**. Check the fit around the bow: the railing sits on the lip at the edge of the white top strip and follows the slope and curve of the deck. When you are happy with the fit, starting from the bow, glue part **8/9-01** in place. Then glue parts **8-01** and **9-01** in place, starting from the end nearest the bow.



★ STEP-BY-STEP INSTRUCTIONS ★

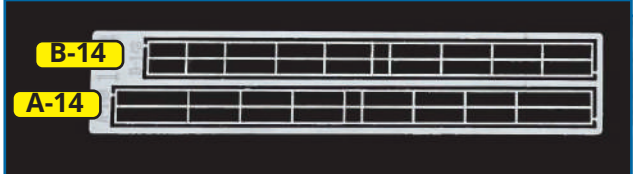
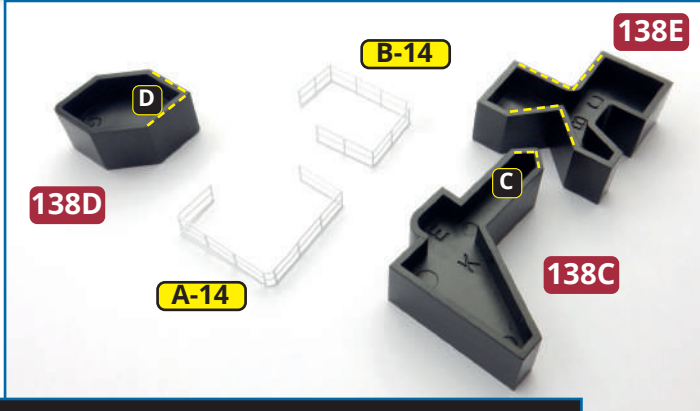


7 Glue parts **1-01** (x2) and **1-02** in place across the aft end of the forecastle. Then bend the rails **126-01** and **127-01** for the forward cranes using the shape **B** on templates **138E** and **138F**. Glue the rails in place, as shown.

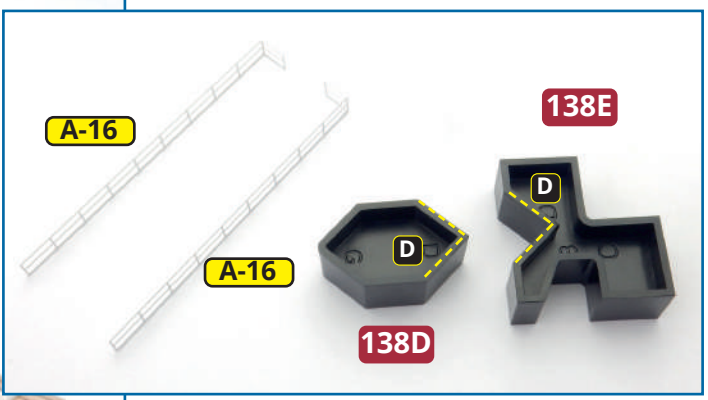
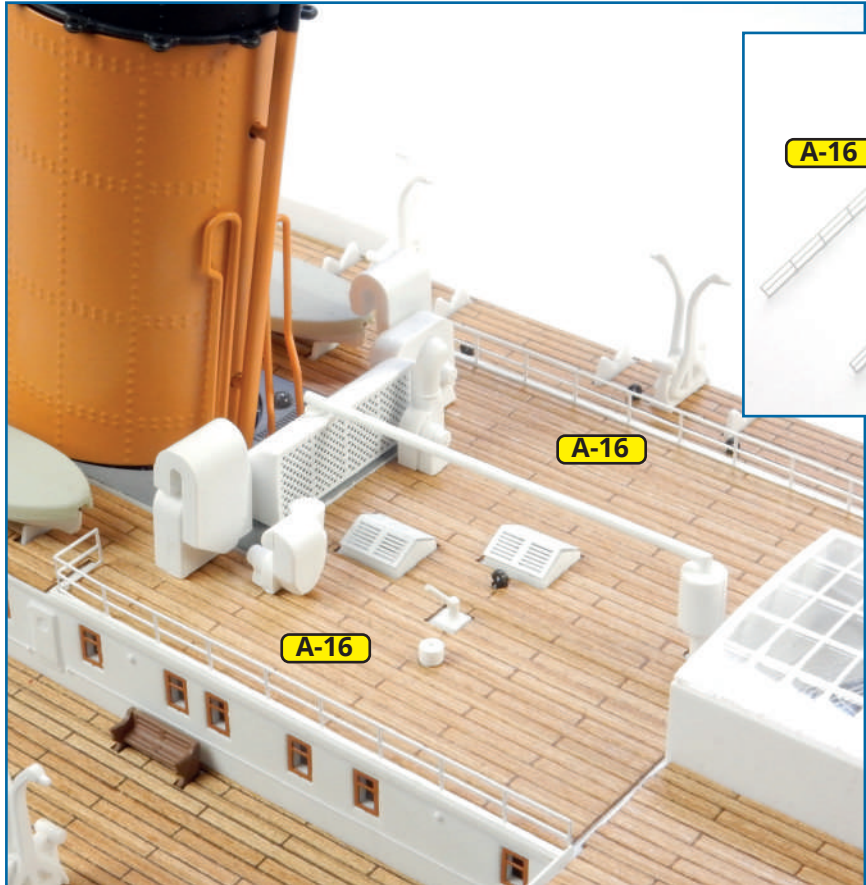
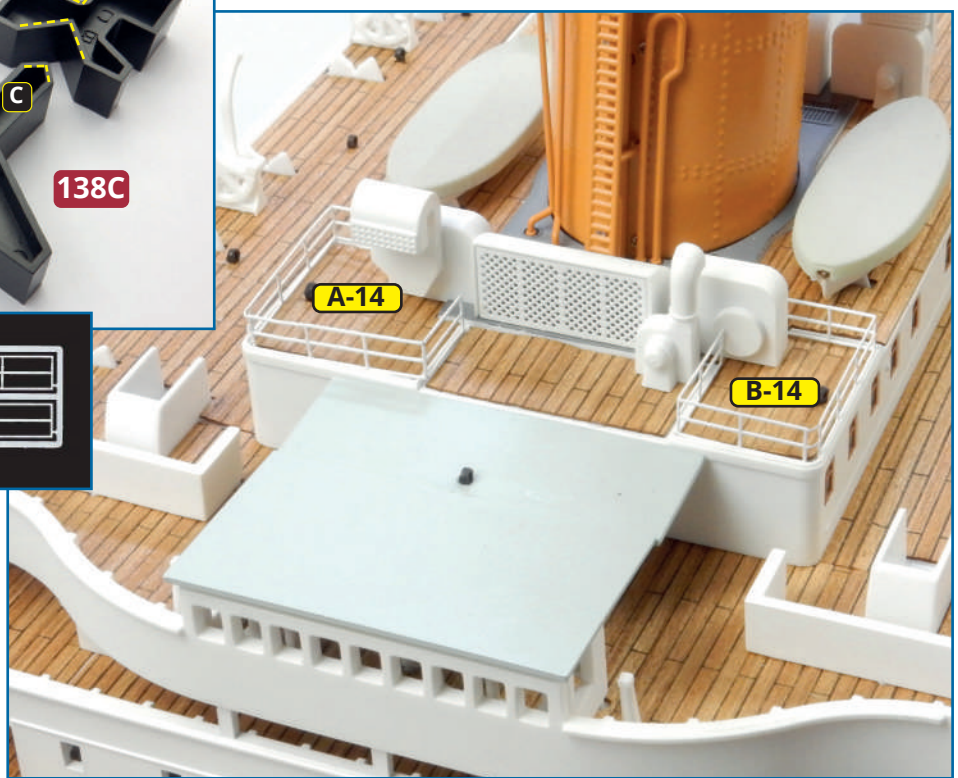


8 Glue the handrails **25-01** (x4) to the deck ladders running down to the forward well deck. Handrails **136-01** (x2) run from the promenade deck to the forward well deck (below). Be careful not to confuse the handrails.



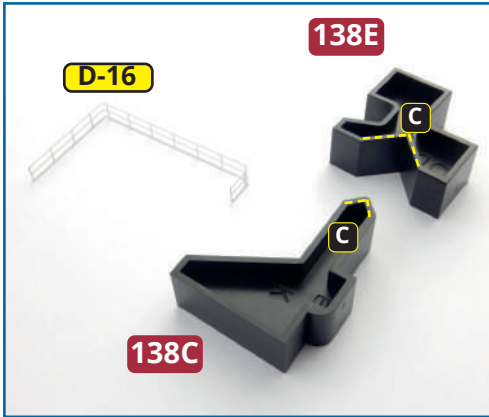


9 Remove parts **A-14** and **B-14** from the replacement frame **138M**. Bend them using shapes **C** and **D** on templates **138C**, **138D** and **138E**. Check the fit and then glue them in place on the superstructure in front of the forward funnel.

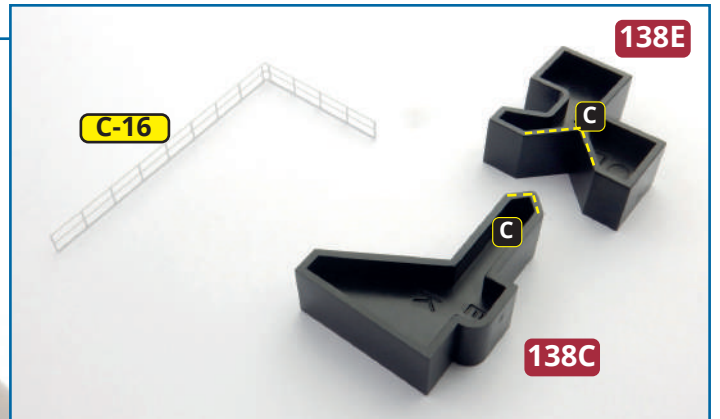
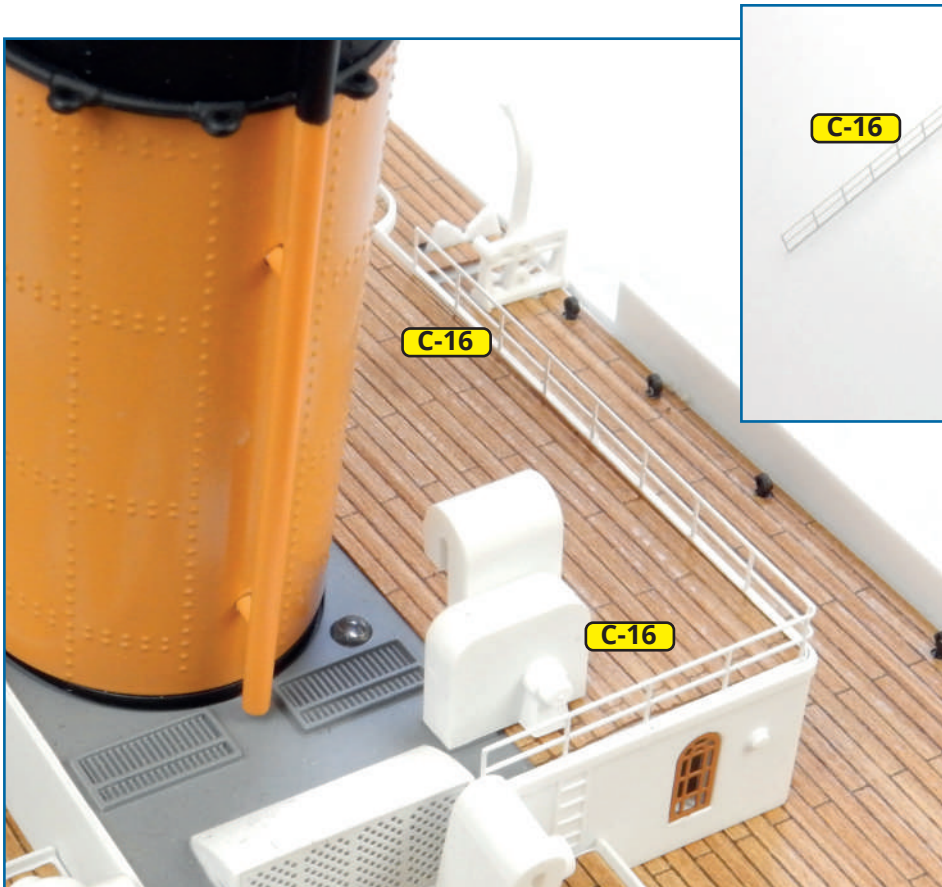
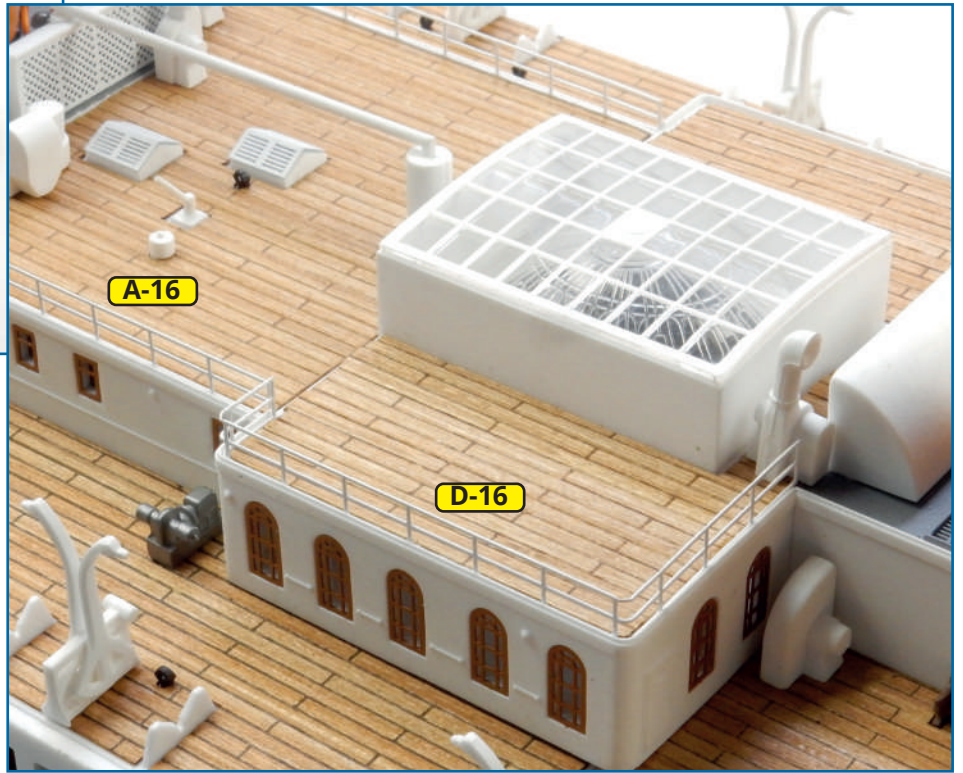


10 Take the railings **A-16** and bend one end of each using the **D** shape on templates **138D** and **138E**. Note that the end to be bent has a smaller gap between the uprights. Glue the railings in place on either side of the top deck, between the first and second funnels.

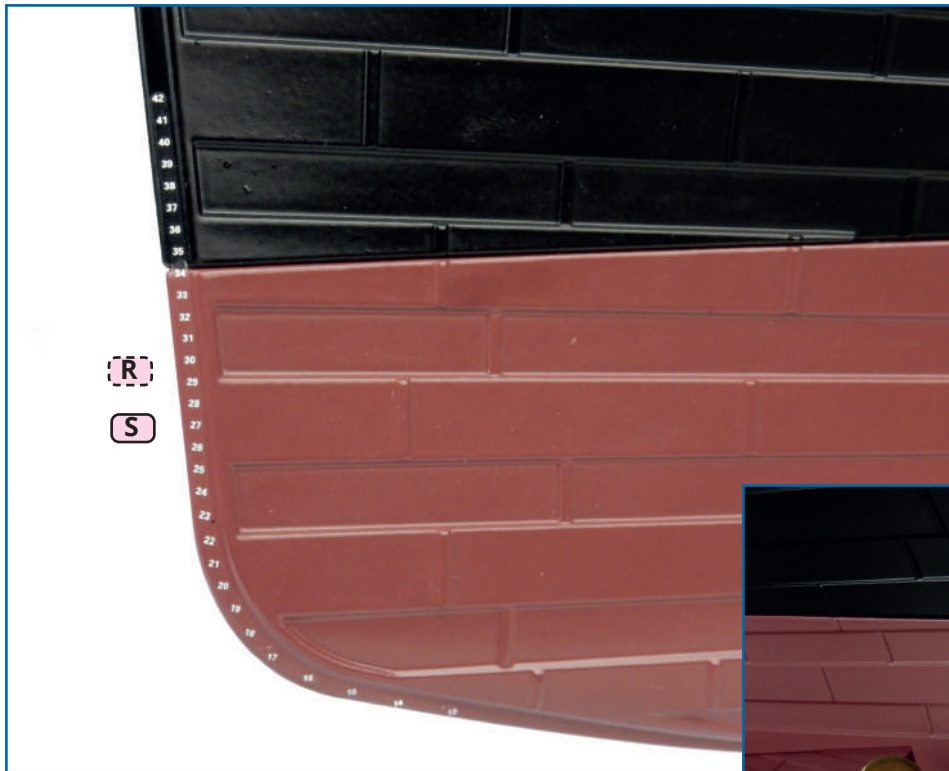
★ STEP-BY-STEP INSTRUCTIONS ★



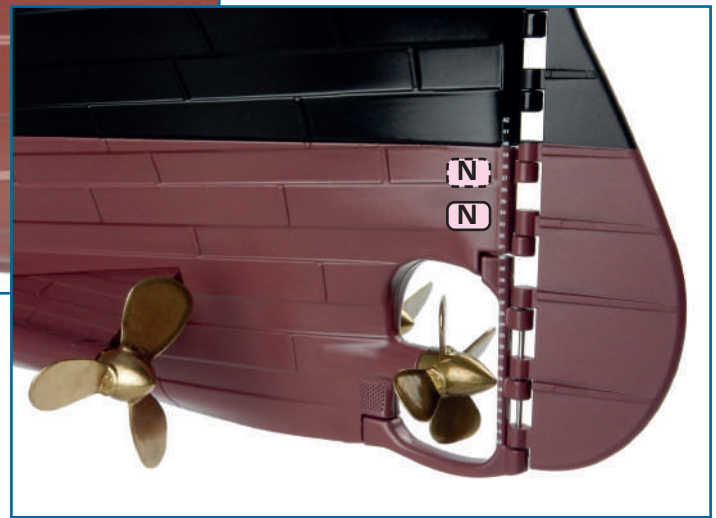
11 Bend part **D-16** at right angles, using the two templates **138C** and **138E**. Then glue part **D-16** in place at the port side of the bow skylight, continuing the run of part **A-16**.



12 Take part **C-16** and bend it using templates **138C** and **138E**. Glue it as shown on the left, behind the second funnel.

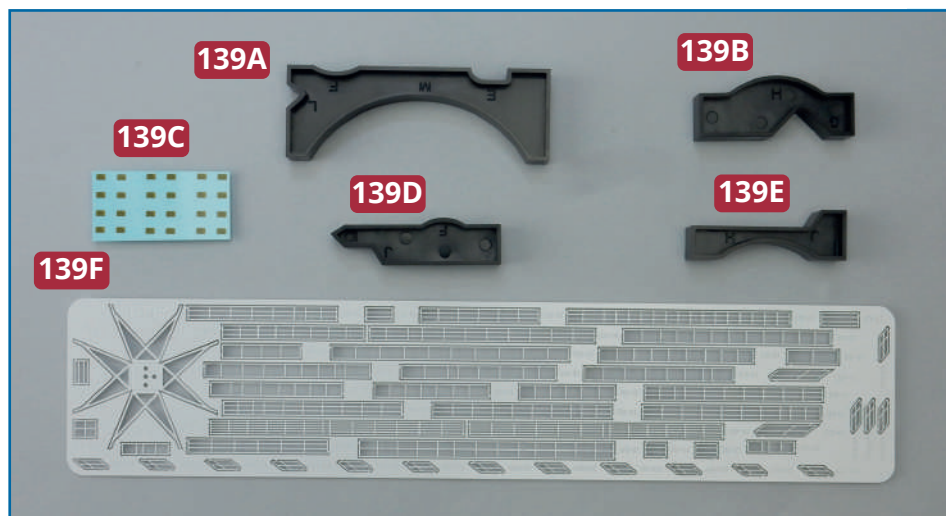


13 Cut the decals **S**, **R** (bow) and **N** (stern) from the sheet and identify the fixing points on each side of the hull. Soak each in turn and position as shown around the bow and beside the rudder. You may find this easier if you cut the decals in half, applying the upper part first and then the lower part.



Completed work
The first photo-etched parts have been fitted to your model, along with some more decals. Store the unused parts carefully: you will need them in the next issues.

PHOTO ETCHED PARTS AND DECALS



PARTS IN THIS ISSUE

139A Template (L, M, F, E)

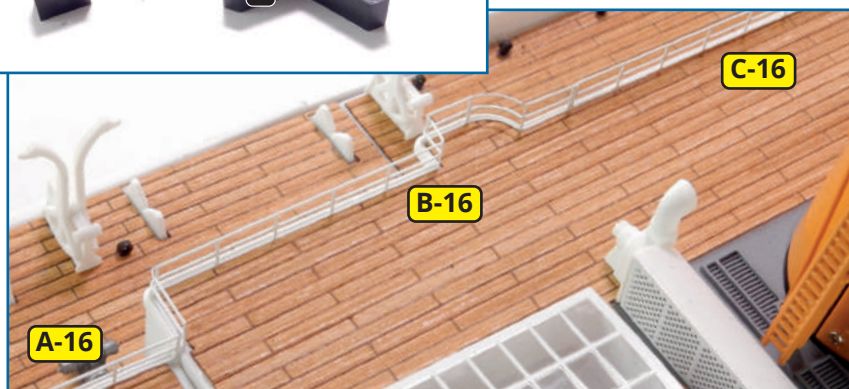
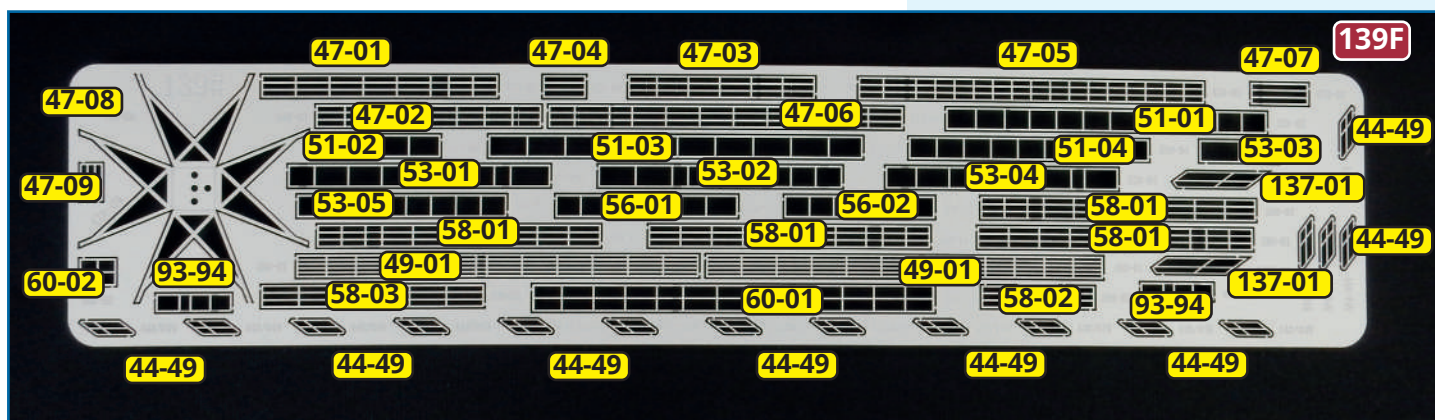
139B Template (G, H)

139C Decal sheet

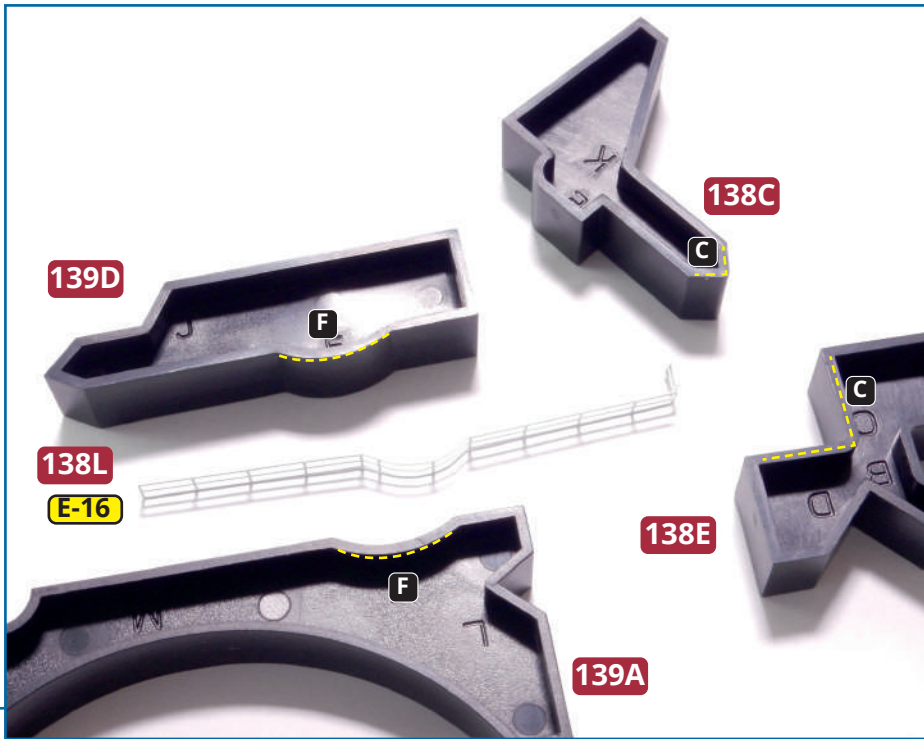
139D Template (L, J, F)

139E Template (J, H)

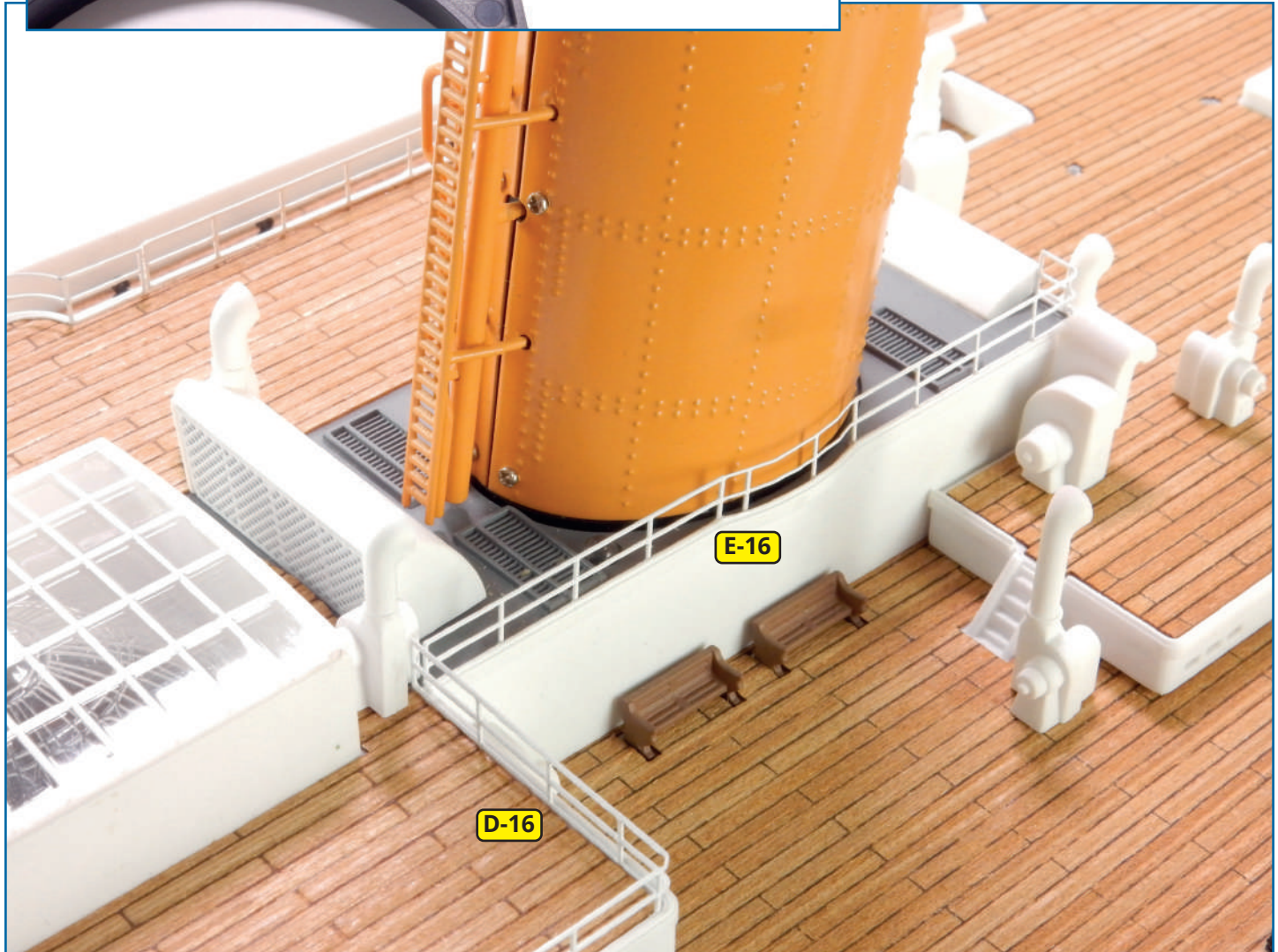
139F Photo-etched parts



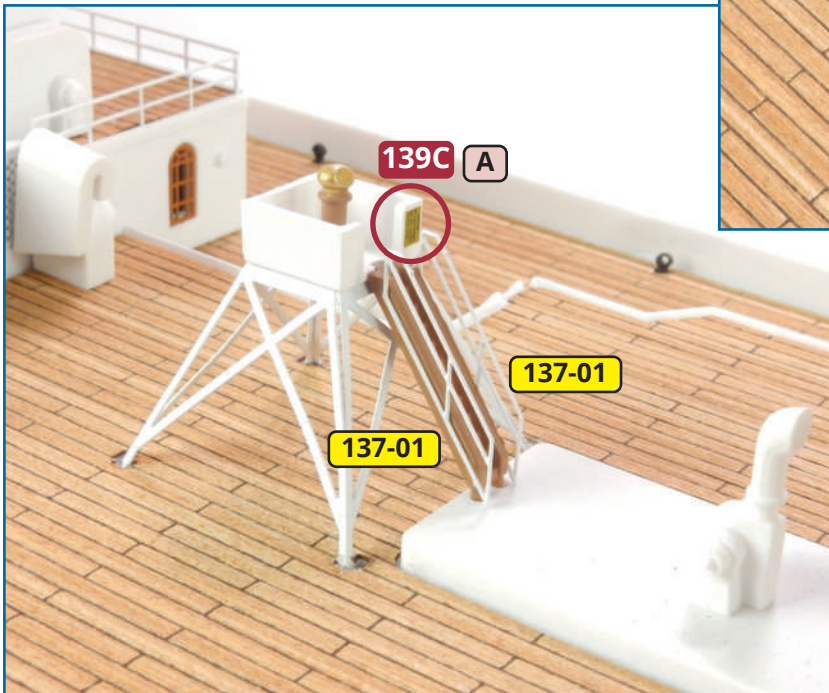
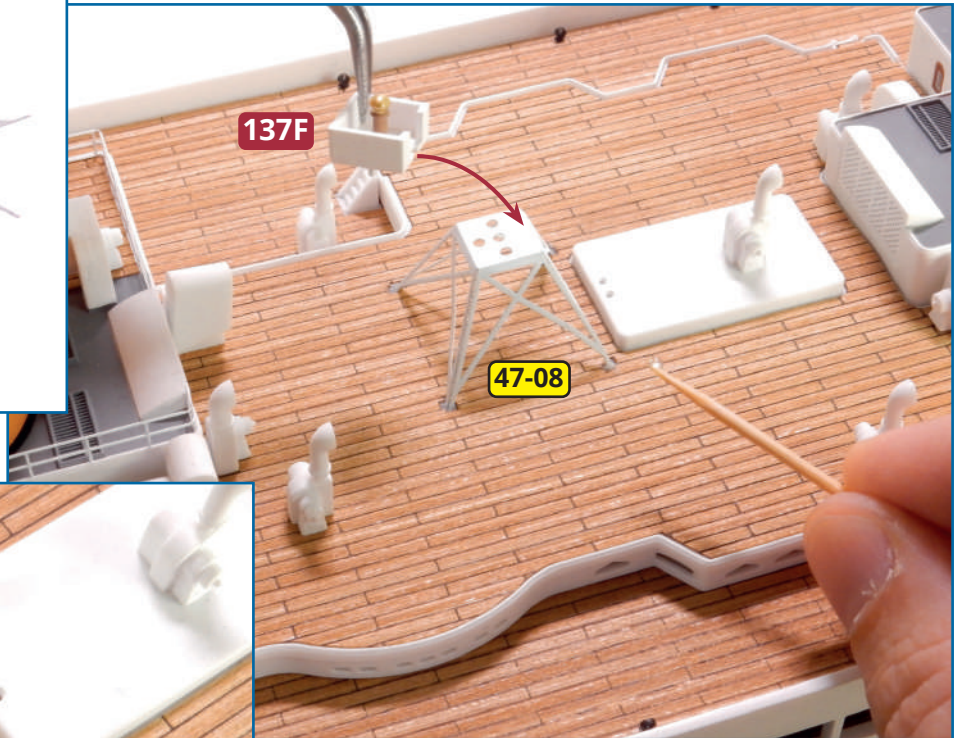
1 Take the photo-etched parts **138L** (from issue 138) and remove part **B-16** from the frame. Bend it with shapes C and E on templates **138C**, **138E** and **139A**. Note the notches on the part, indicating where the part should be bent (circled, above) Match the letters on the templates to bend the railing correctly. Glue part **B-16** between parts **A-16** and **C-16**, on the starboard side of the model.



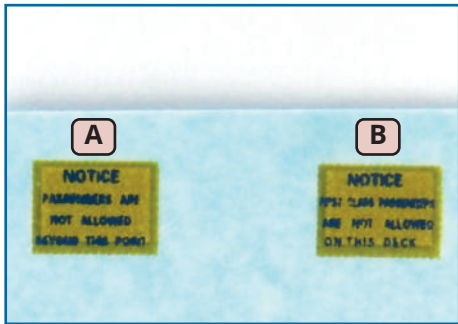
2 Remove the last photo-etched part, **E-16**, from frame **138L**. Bend it with the shapes C and F on the templates as shown, and glue it in place at the port side of the second funnel.



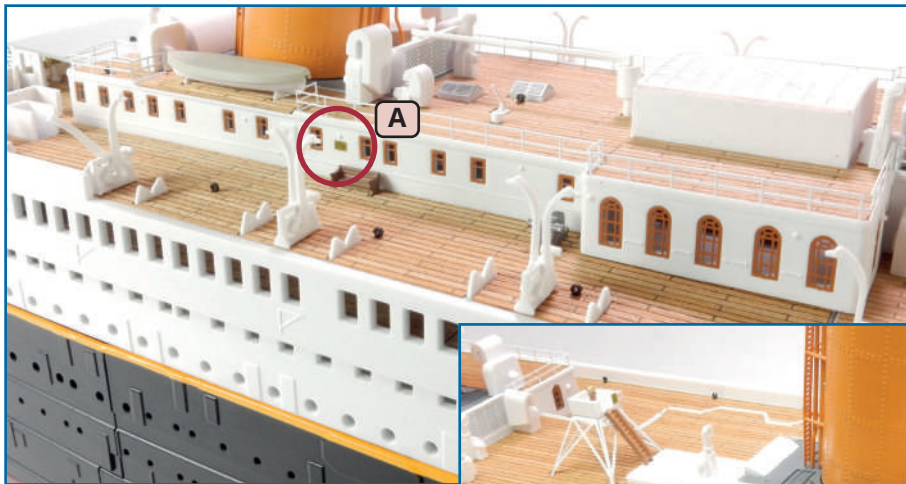
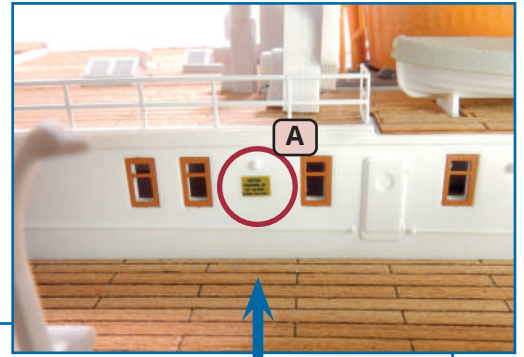
★ STEP-BY-STEP INSTRUCTIONS ★



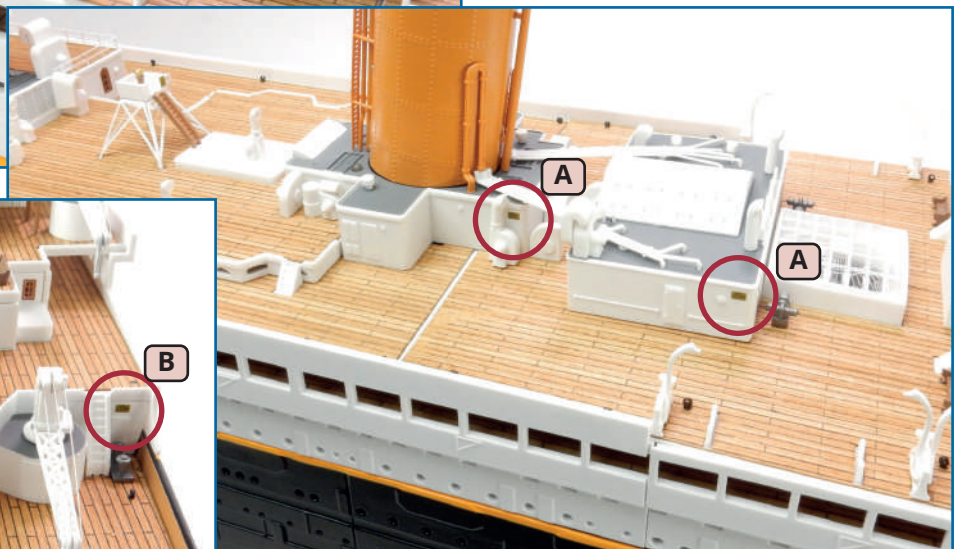
3 Remove the support **47-08** from the plate **139F** and bend the legs along the dotted lines so that the struts at each of the corners create a single 'leg'. Glue the support in the space between the second and third funnels. Fit the platform **137F** and the ladder **137D**, positioning the opening of the platform facing aft. Glue in place. Apply a decal **A** from sheet **139C** at the side of the opening in the platform (circled, left). Finish the assembly by gluing the two parts **137-01** on each side of the ladder.

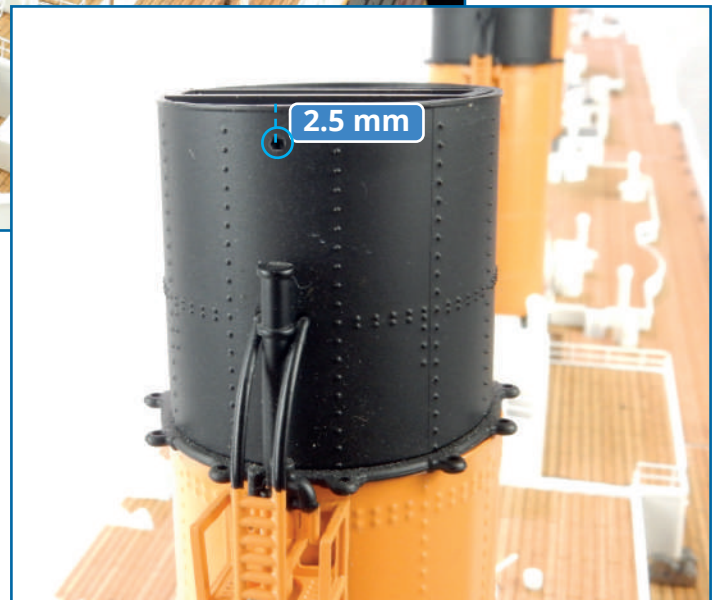
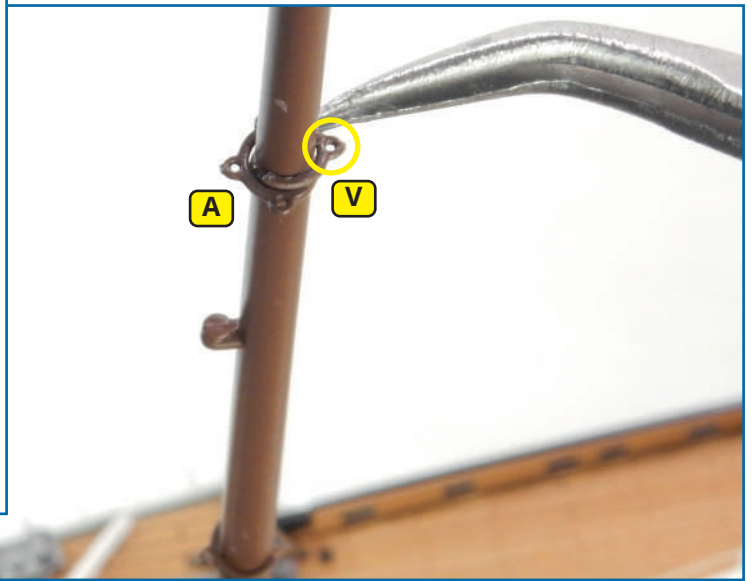
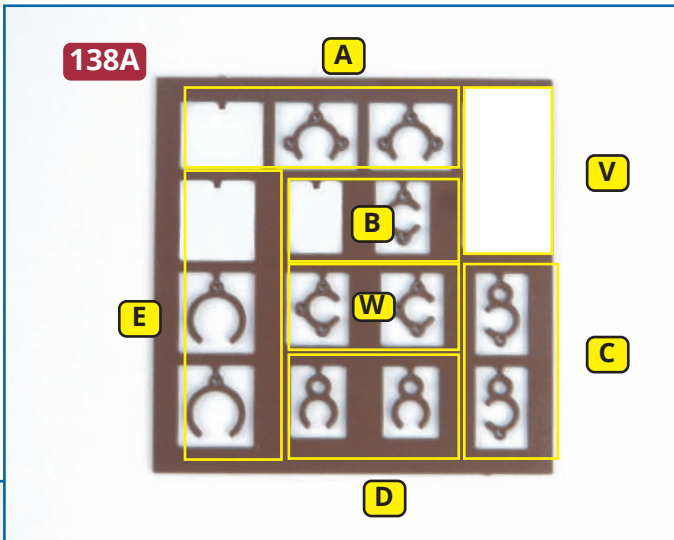


4 Apply decals **A** from sheet **139C** on the side of the superstructure in the positions indicated by the red circles. Note that there are two types of decal (left). Be careful to orient and identify the decals correctly.

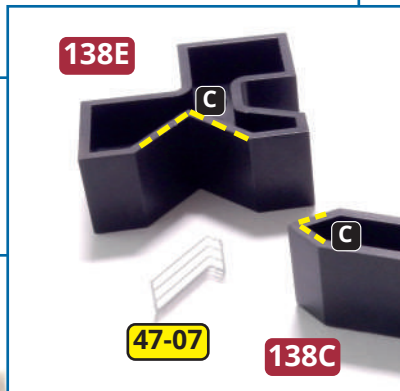
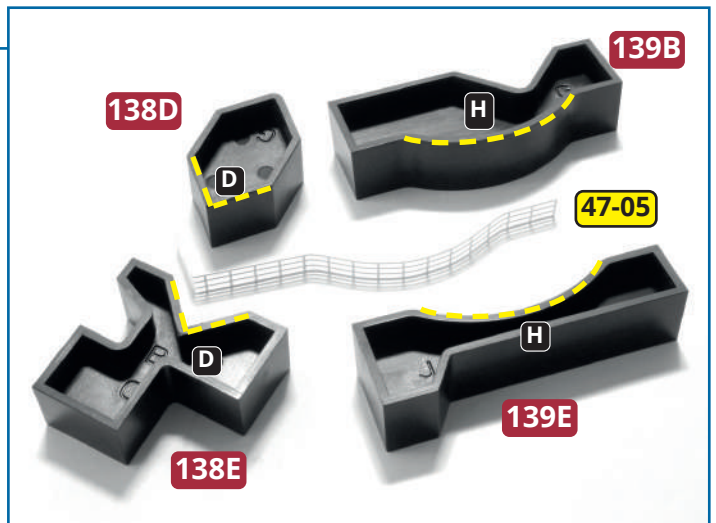
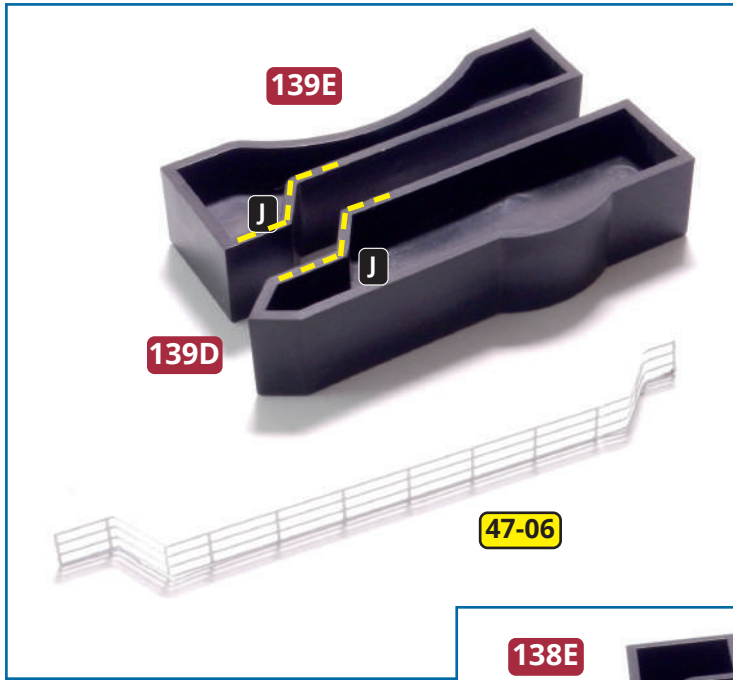


5 Apply three more decals to the superstructure and two **B** decals beside the cranes on the aft well deck (below).

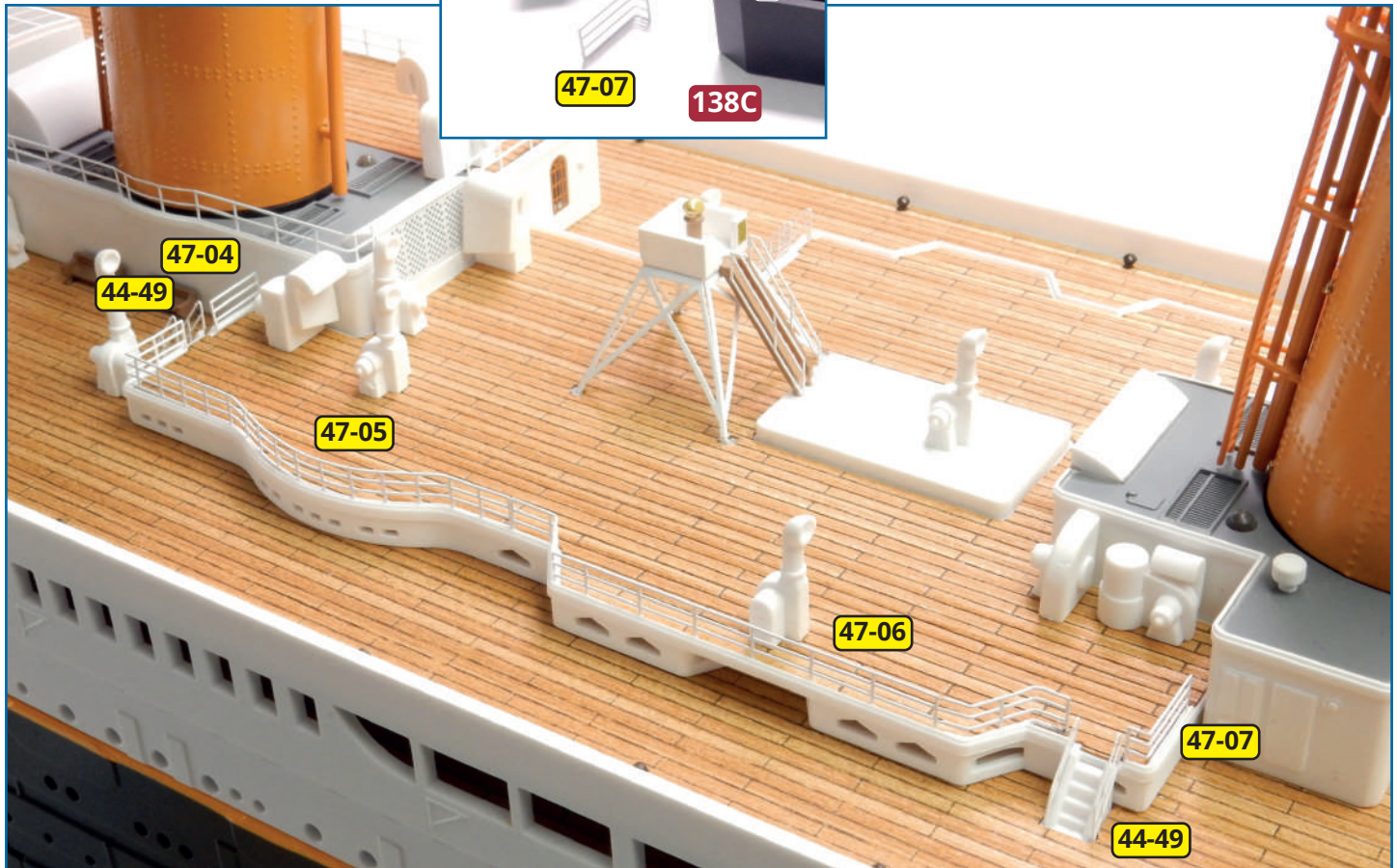




6 Remove a ring **V** from frame **138A** and fit it on the foremast, positioning it above ring **A**. Then drill a hole in the forward funnel using drill **132A**. The hole should be 2.5 mm from the top edge of the funnel (right).



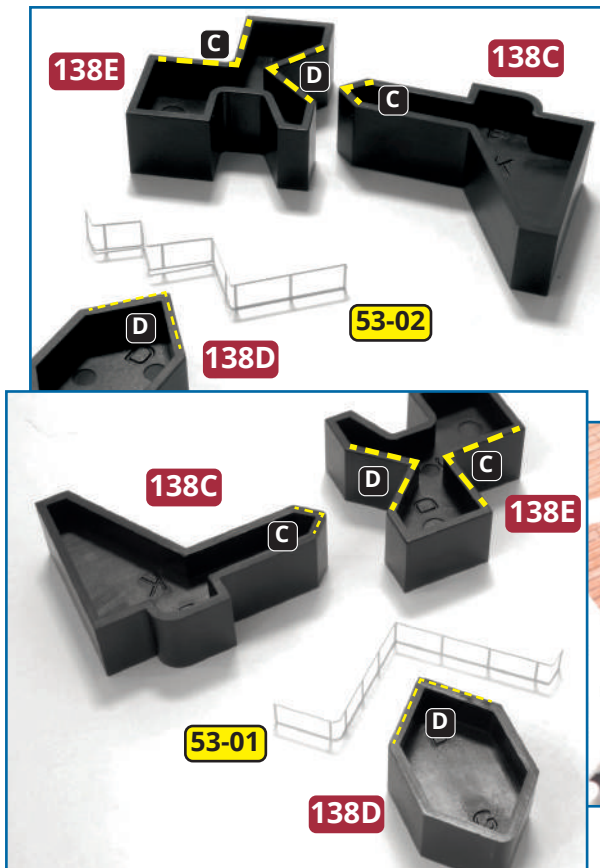
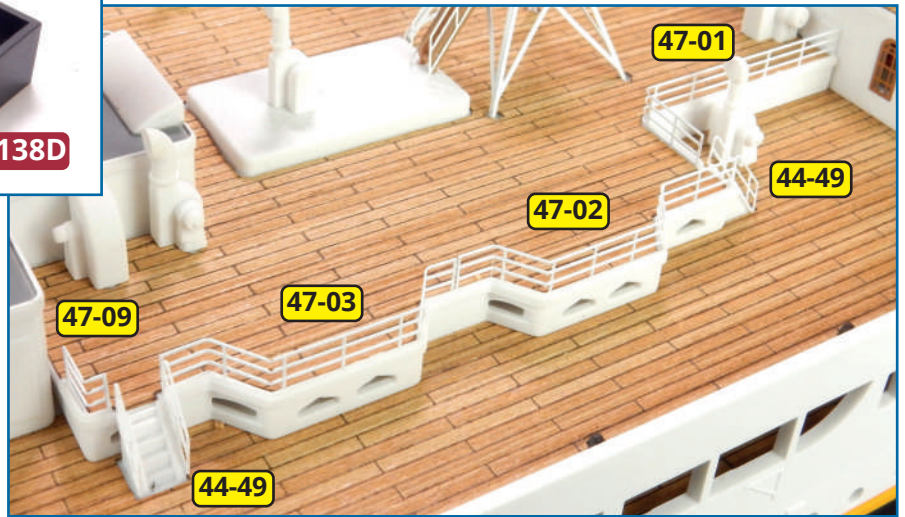
7 Remove parts **47-04**, **47-05**, **47-06** and **47-07** from the frame **139F**. Bend the parts using shapes J, D, H and C on the templates, as shown. Glue the parts in place on the starboard side of the deck between the second and third funnels, as shown below. Take four rails **44-49** and fit them to the steps, as shown.



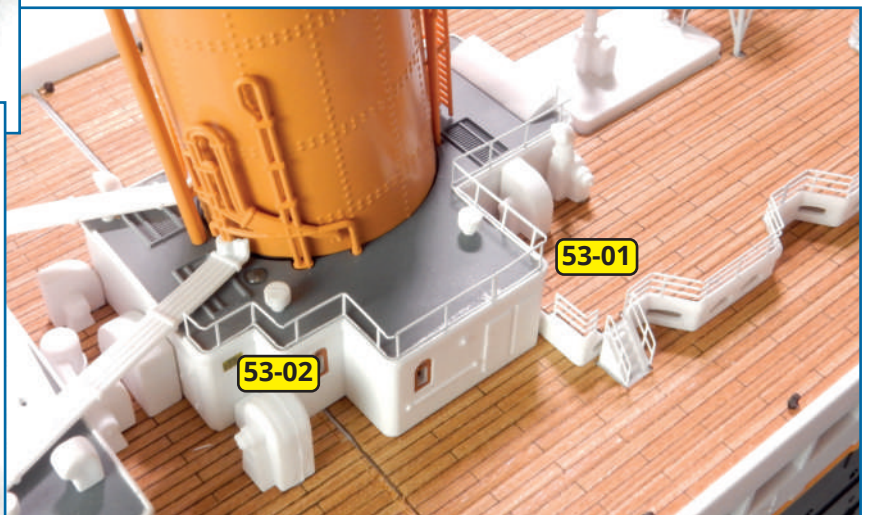
★ STEP-BY-STEP INSTRUCTIONS ★

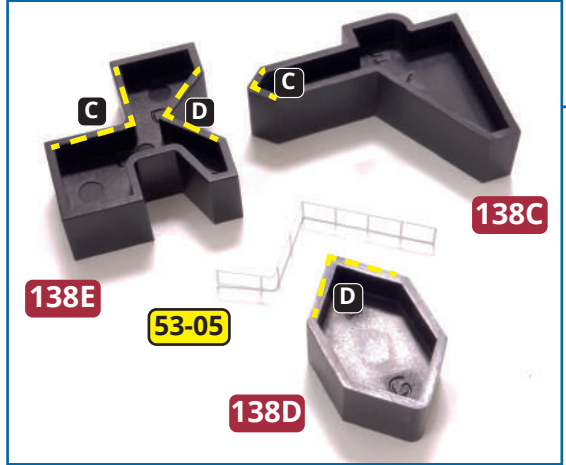
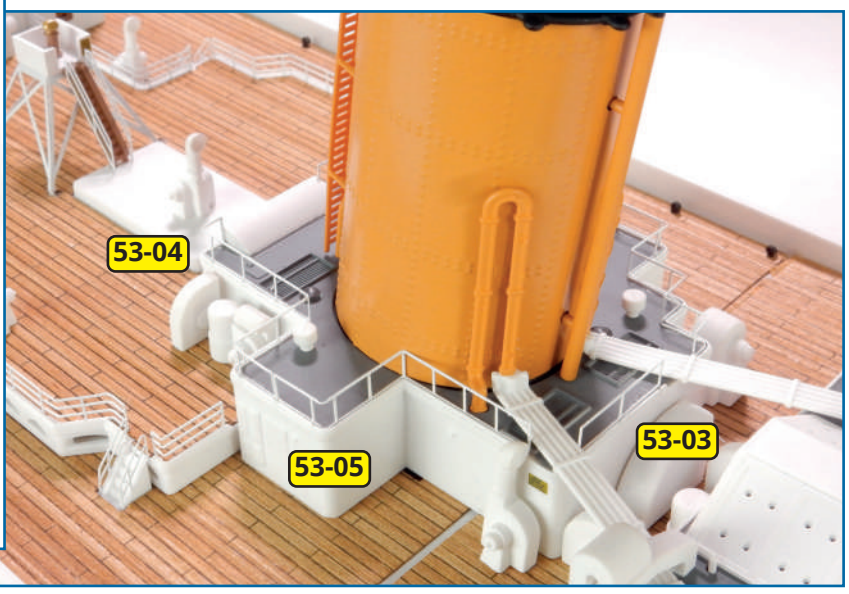
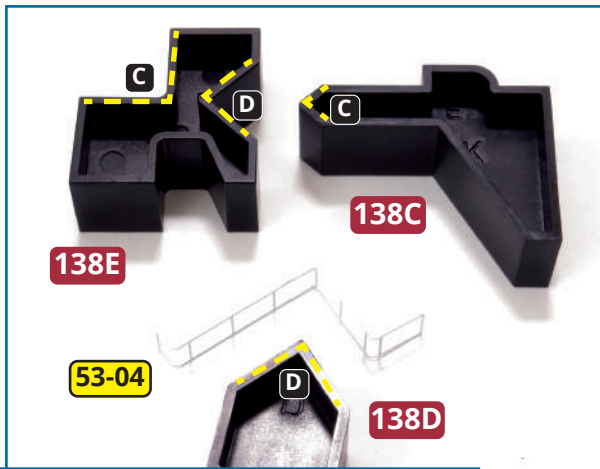


8 Remove parts **47-01**, **47-02**, **47-03** and **47-09** from the frame **139F**. Bend the parts using shapes C, J and G on the templates, as shown. Glue the parts in place on the starboard side of the deck between the second and third funnels, as shown below. Take four rails **44-49** and fit them to the steps, as shown (right).



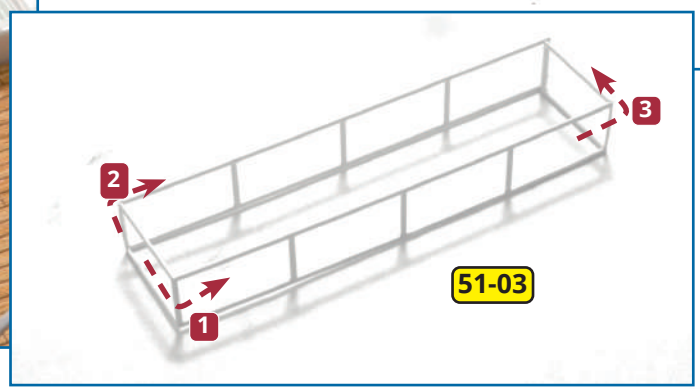
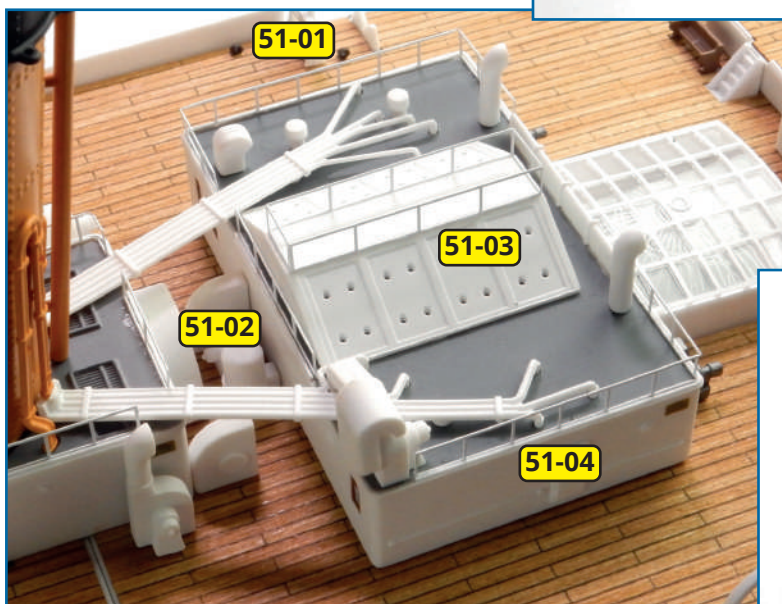
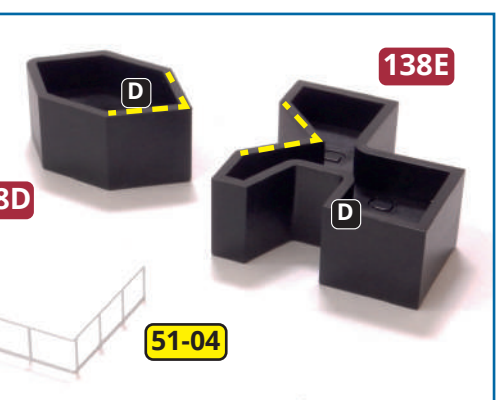
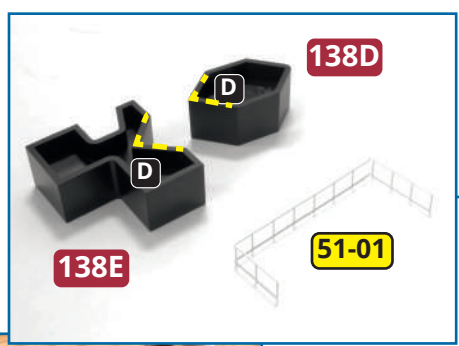
9 Remove parts **53-01** and **53-02** from the frame and bend them using shapes D and C on the templates. Fit them around the third funnel as shown below.



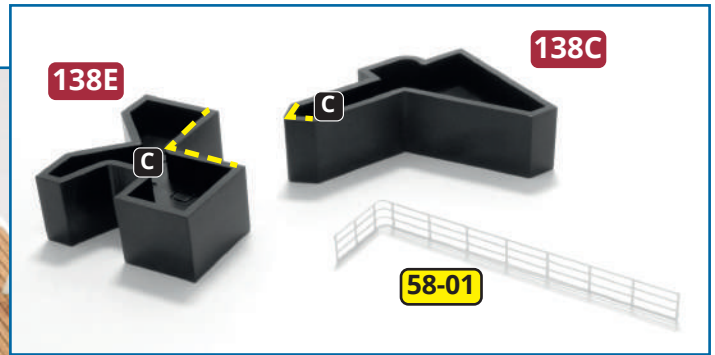
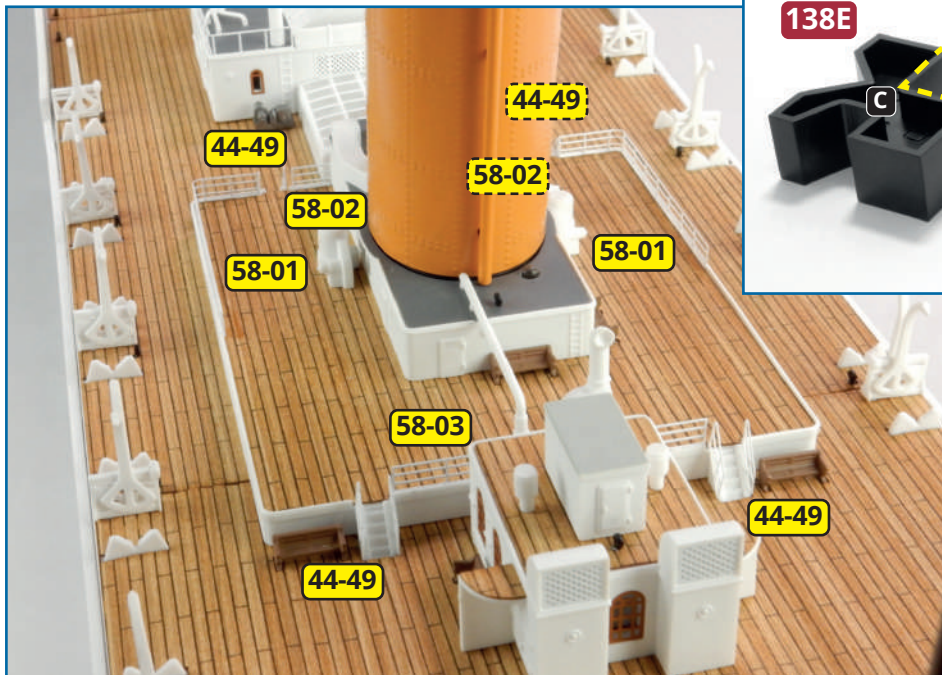


10 Remove parts **53-03**, **53-04** and **53-05** from the frame and bend them using shapes D and C on the templates. Fit them around the third funnel as shown above.

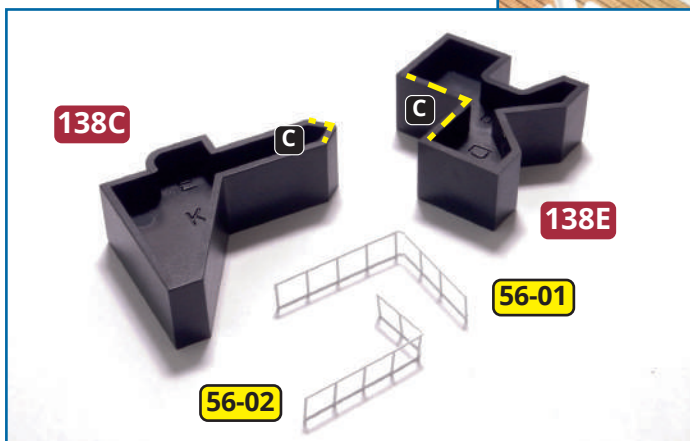
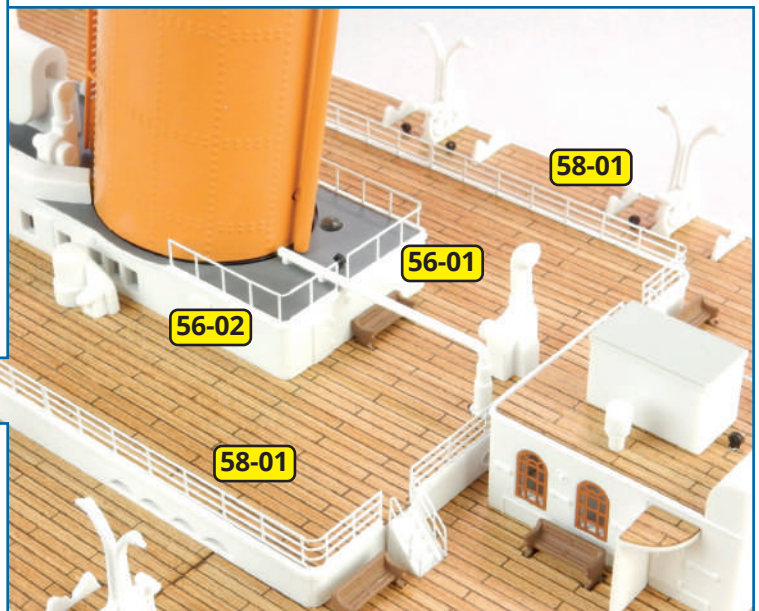
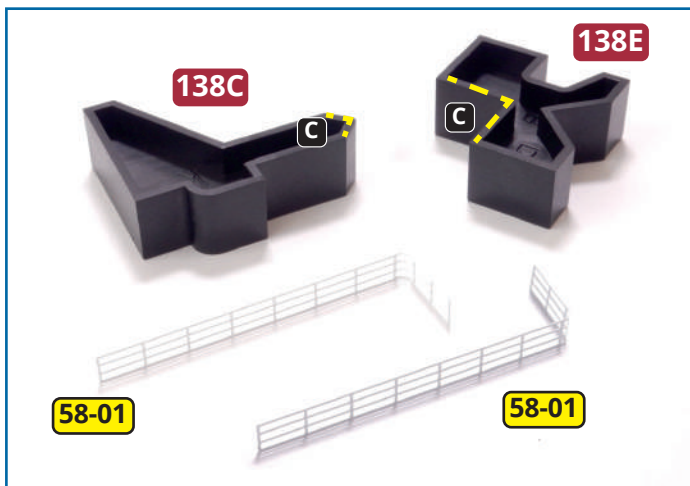
11 Remove parts **51-01**, **51-02**, **51-03** and **51-04** from the frame and bend them using shape D as shown. Fix in place on the deckhouse and deckhouse roof as shown below.



★ STEP-BY-STEP INSTRUCTIONS ★



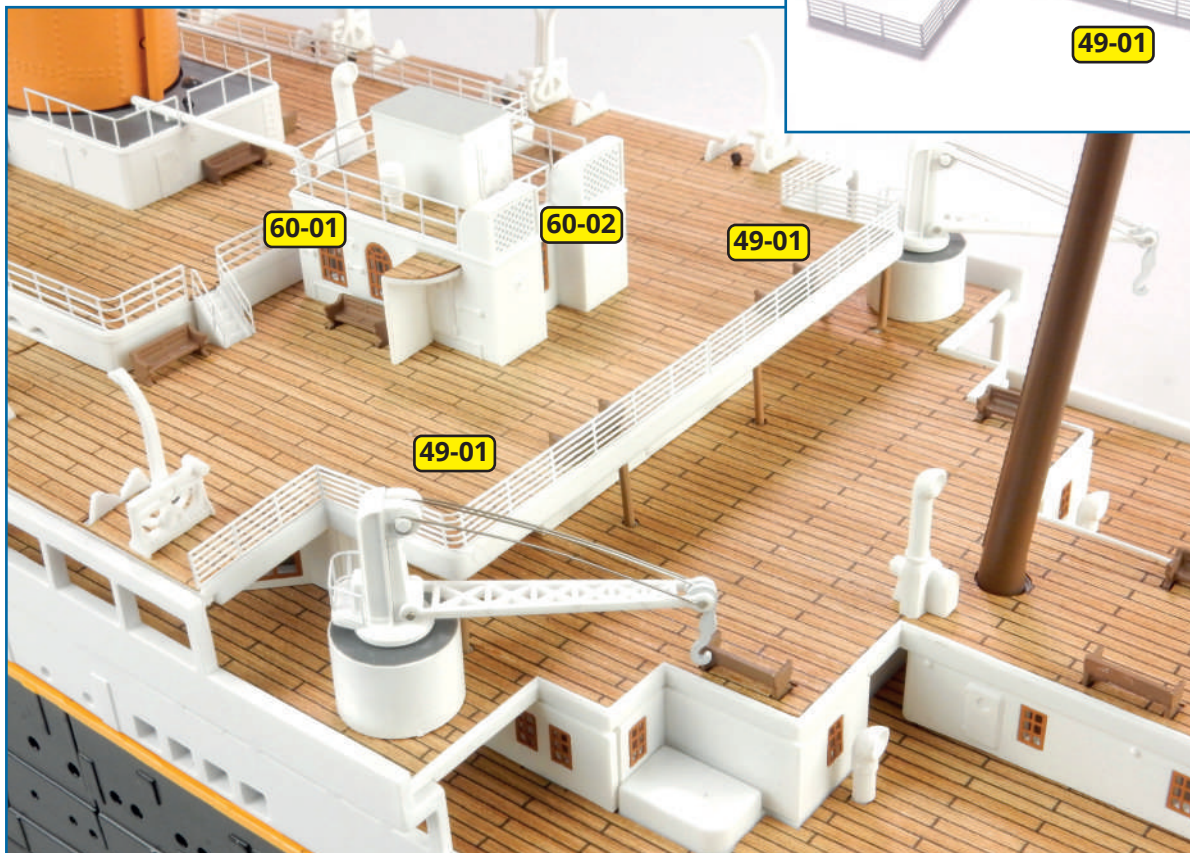
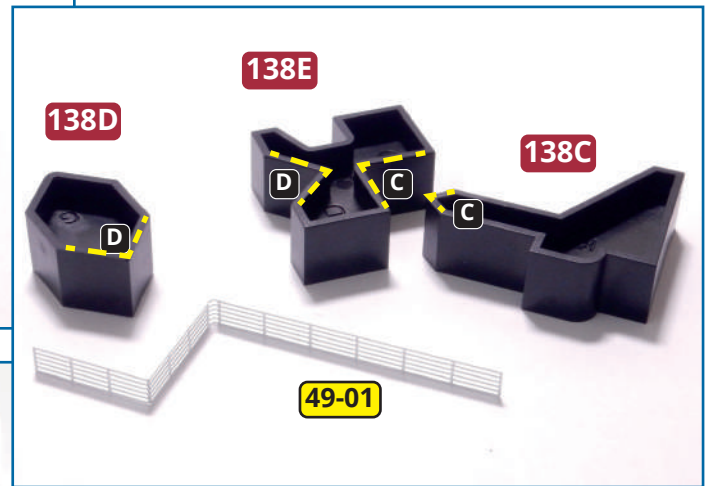
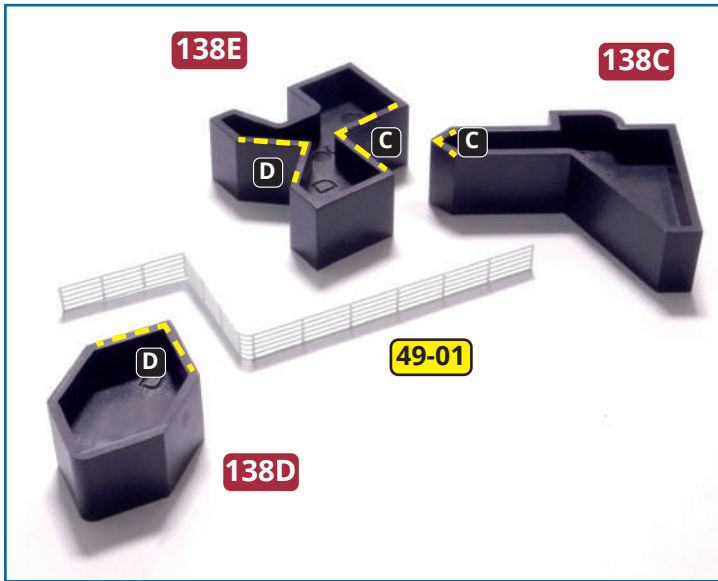
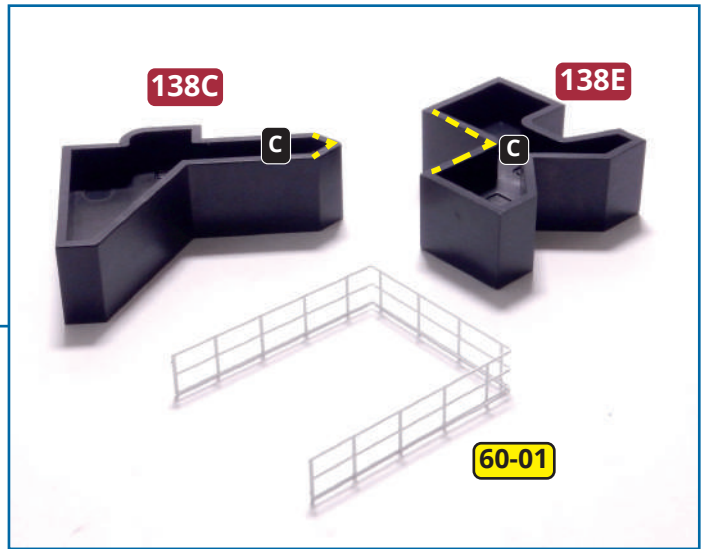
12 Remove parts **58-01** (x2), **58-02** (x2) and **58-03** from the frame. Bend them using shape C on the templates. Glue the parts in place around the aft funnel, as shown. Take eight rails **44-49** and fit them to the four sets of steps up to the deck.



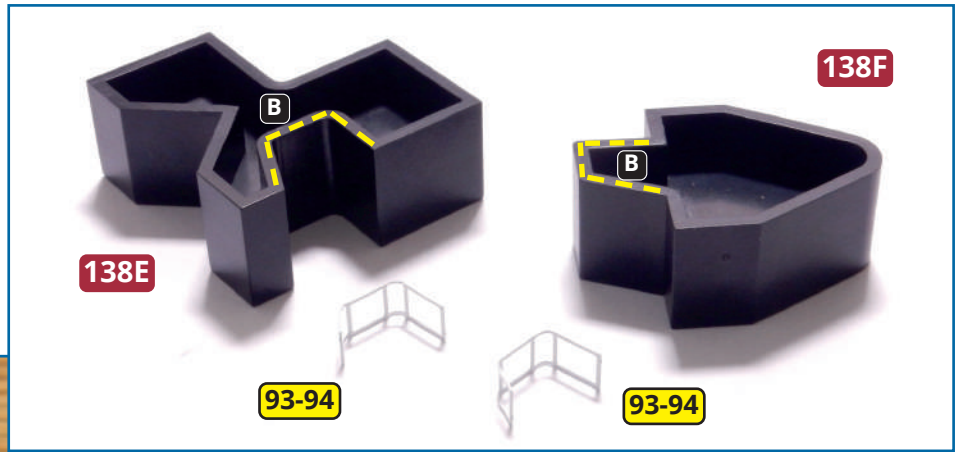
13 Remove parts **56-01**, **56-02** and two more **58-01** from the frame. Bend them using shape C on the templates and fix in place around the aft funnel, as shown above.



14 Remove parts **60-01**, **60-02** and **49-01** (x2) from the frame. Bend them using shapes C and D on the templates and fix in place at the aft end of the boat deck.



15 Take two parts **93-94** and bend them using shape B on the templates, as shown. Glue them in place on the cranes at the aft of the promenade deck.



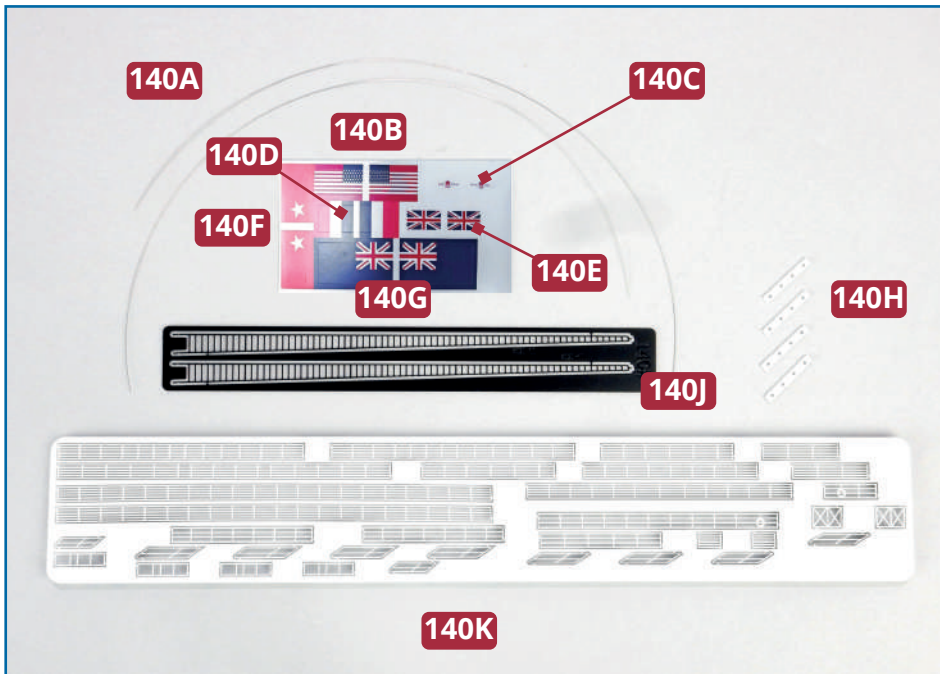
Completed work

This is how your model looks with the railings in place. You will receive a detailed guide to fitting the rigging with issue 140.



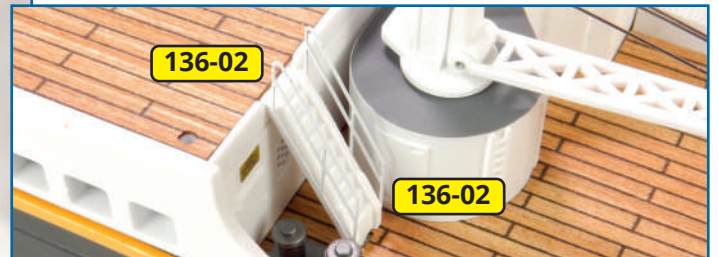
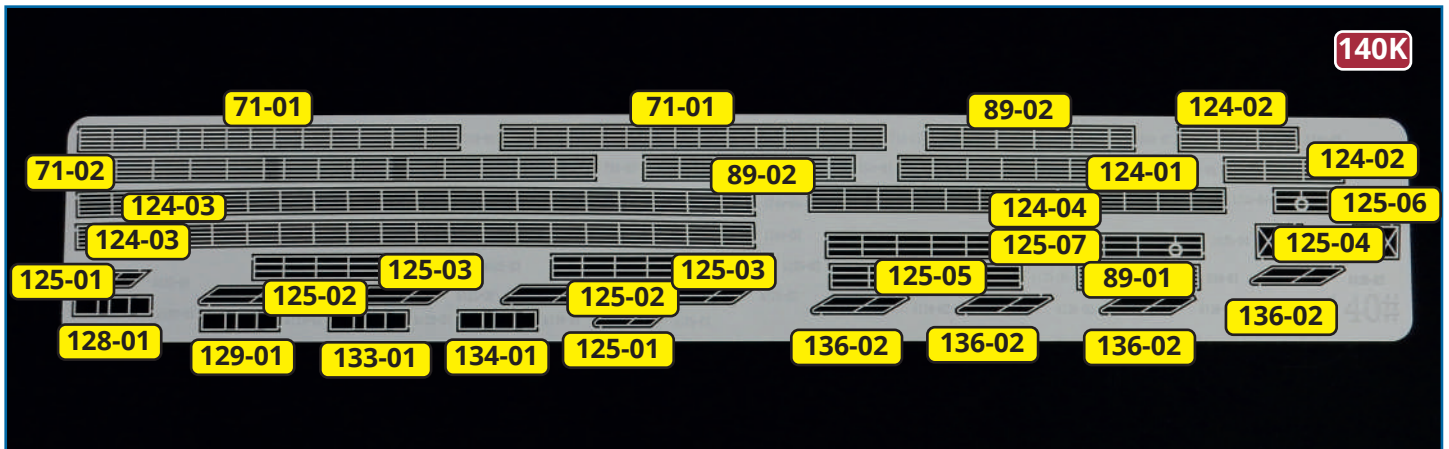


THE FINAL PHOTO-ETCHED PARTS



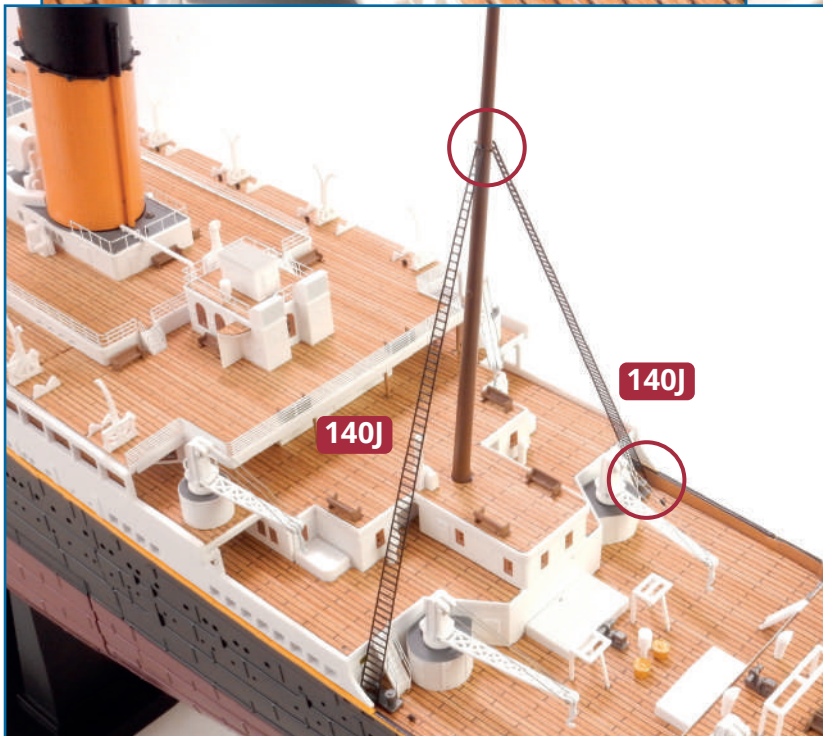
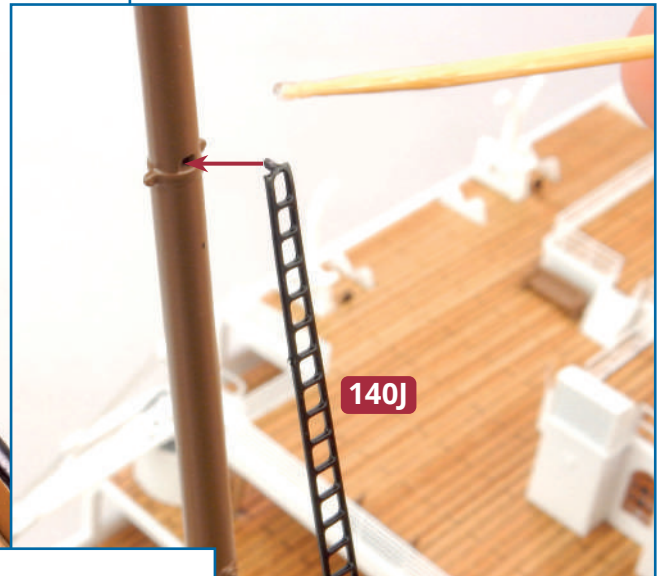
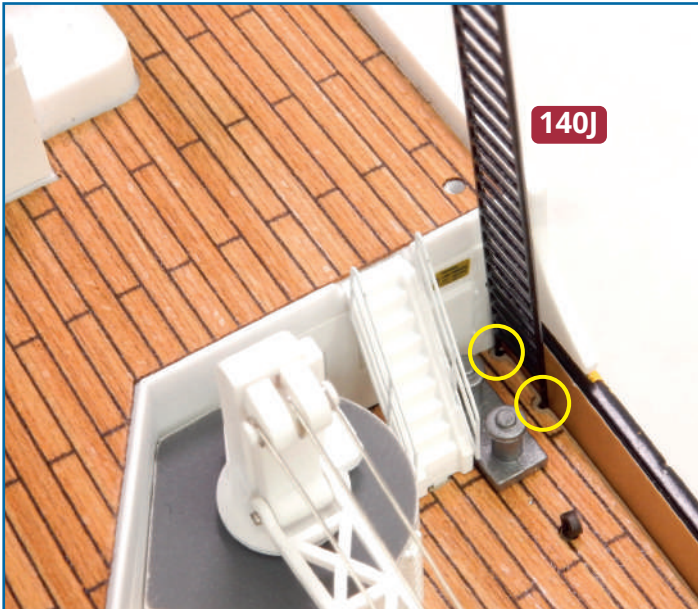
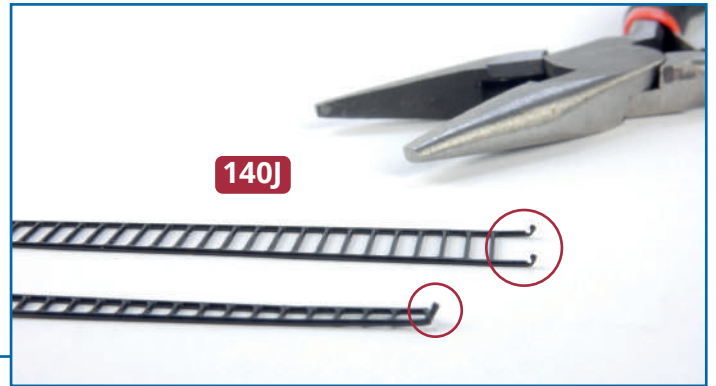
PARTS IN THIS ISSUE

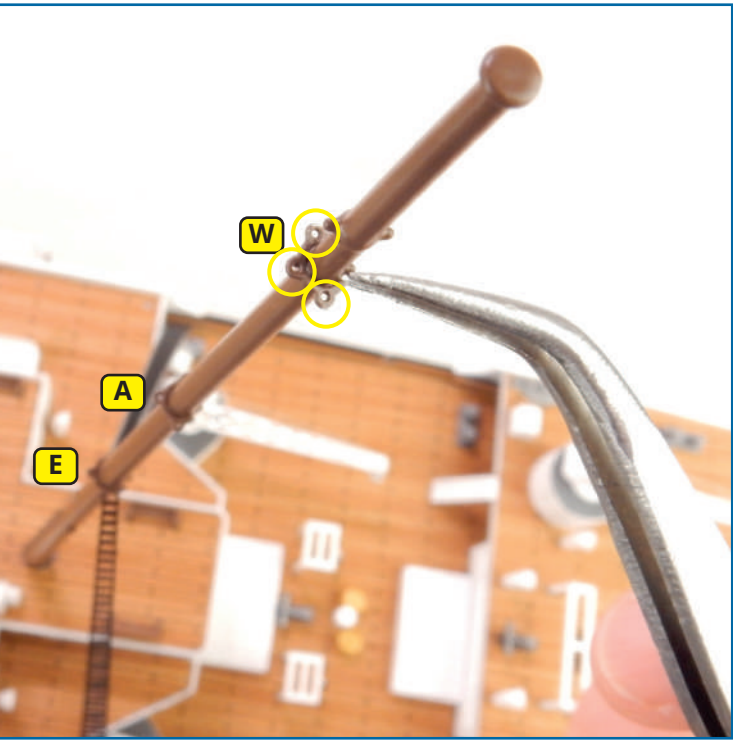
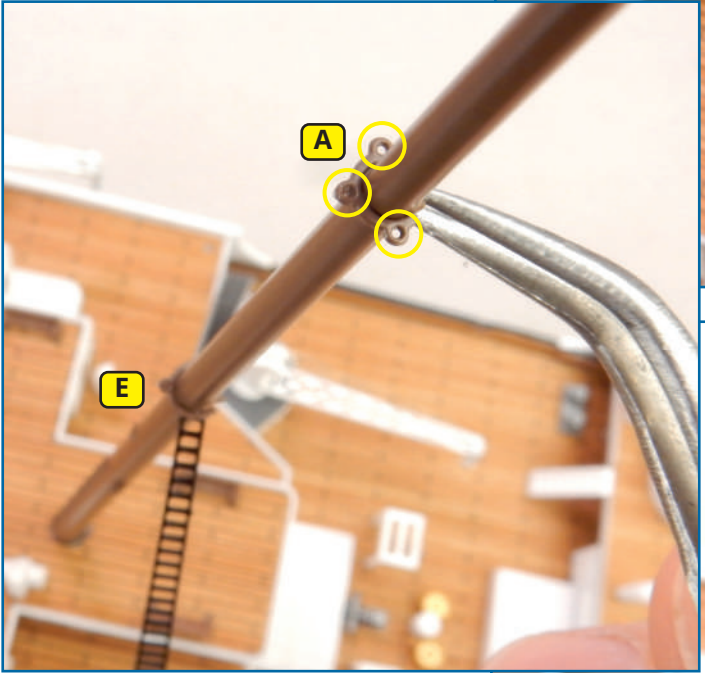
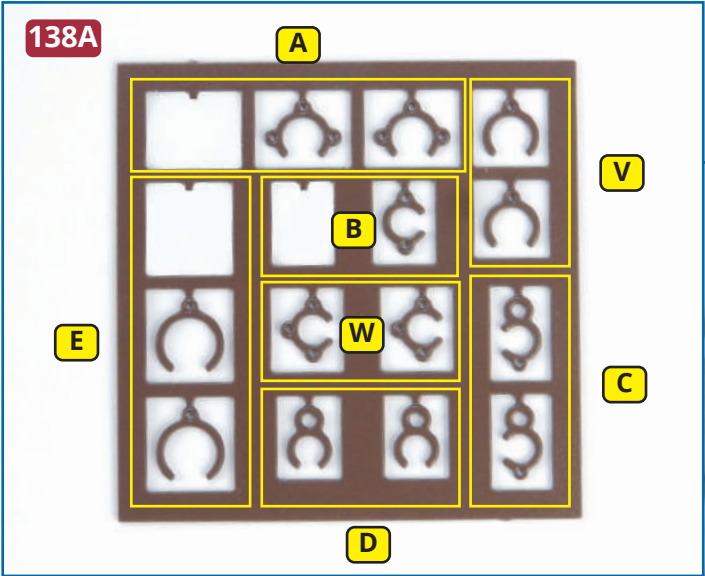
- 140A** Wire for flags (x 2)
- 140B** American flag
- 140C** Royal Mail flag
- 140D** French flag
- 140E** Pilot jack flag
- 140F** White Star flag
- 140G** Blue Ensign flag
- 140H** Spacers (x 4)
- 140J** Aft mast shrouds
- 140K** Photo-etched parts



1 Remove the four railings **136-02** from the frame **140K**. Glue the parts to the ladders beside the davits on the aft well deck.

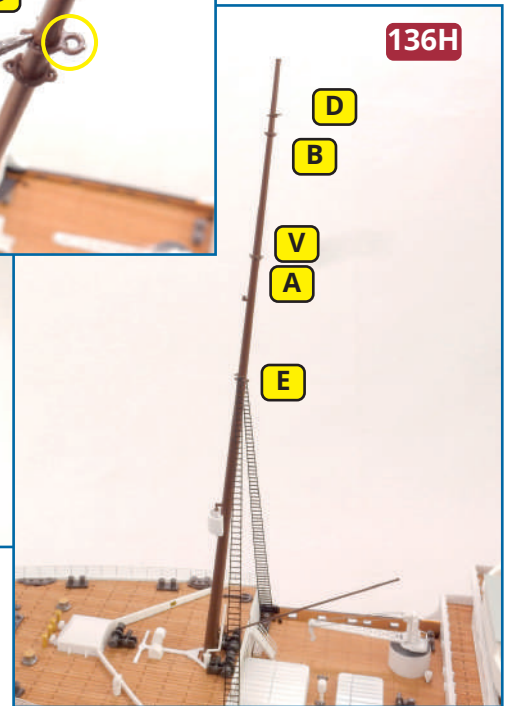
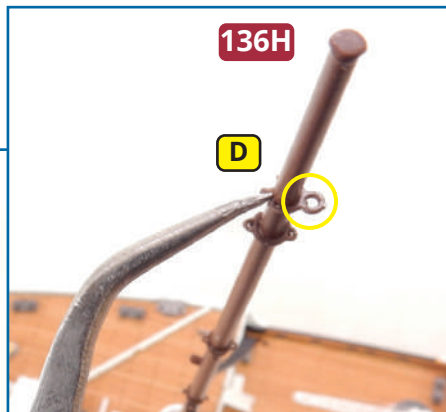
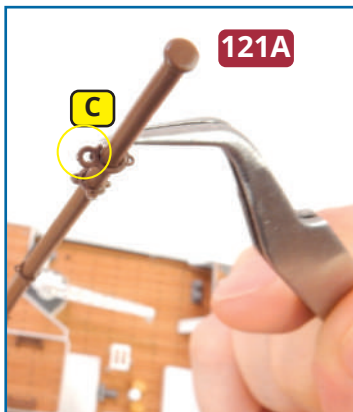
2 Remove the shrouds **140J** from the frame using a craft knife or small wire cutters. Bend the ends of the shrouds with pliers (as shown on the right). Check the fit of the shrouds between the deck and the aft mast and glue them in place as shown. Then use the pin vice 132A to drill a hole on the hatch **129B**, about 1 mm from the edge (photo bottom right).



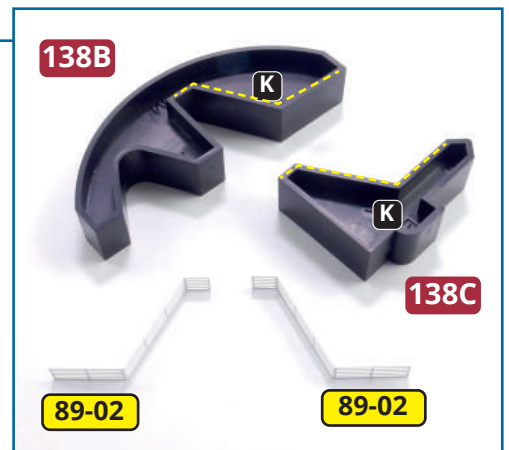
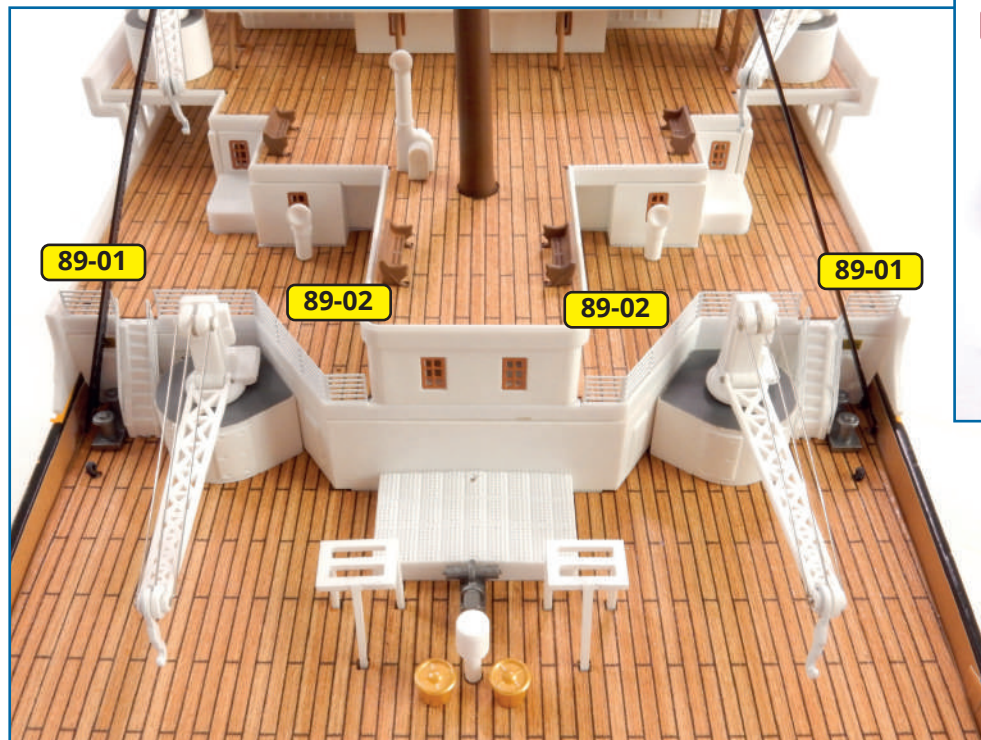


3 Take the ring set frame **138A**. Detach an **E** ring, an **A** ring and a **W** ring. Fit the **E** ring on the aft mast and slide it down to the position indicated. Repeat to fit the **A** ring and the **W** ring. Make sure that the holes in the rings are correctly orientated on the mast.

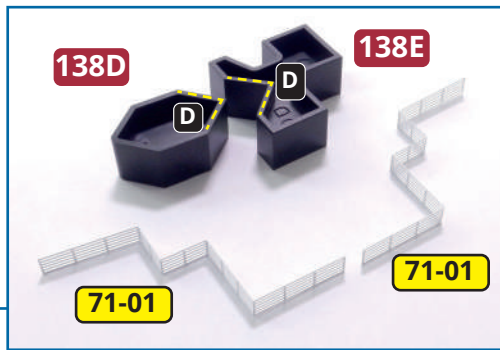
★ STEP-BY-STEP INSTRUCTIONS ★



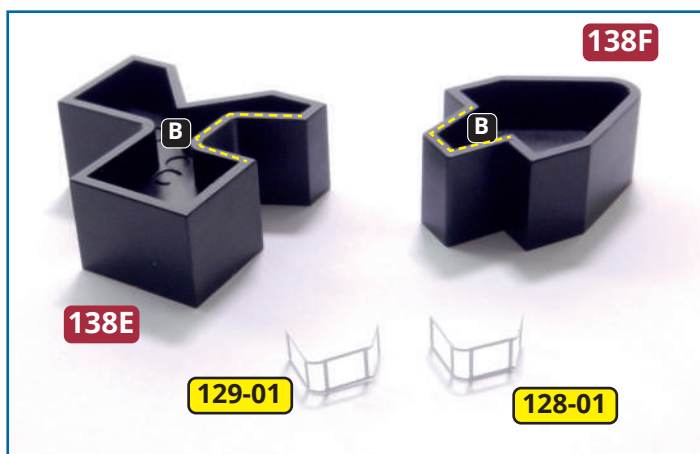
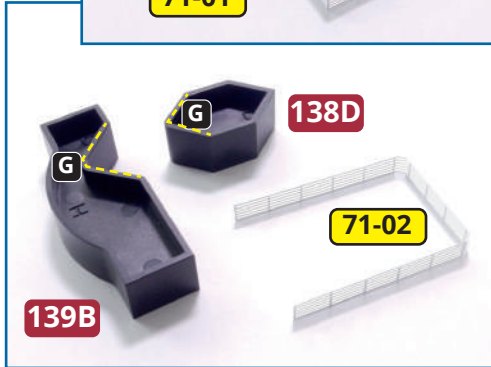
4 Take a **C** ring from frame **138A**. Fit it at the top of the aft mast **121A**. Then fit a **D** ring at the top of the forward mast **136H**. Make sure you have the rings orientated correctly and use a little glue to hold them in place.



5 Take the two parts **89-01** and the two parts **89-02** from the frame **140K**. Bend the parts **89-02** using the **K** angles on the templates **138B** and **138C**, as illustrated. Glue the parts in place at the aft of the shelter deck, as shown on the left.

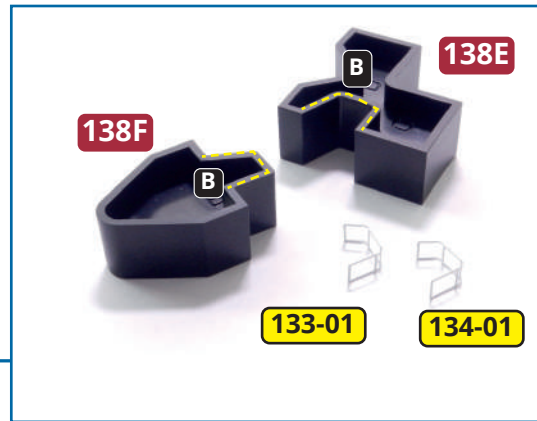
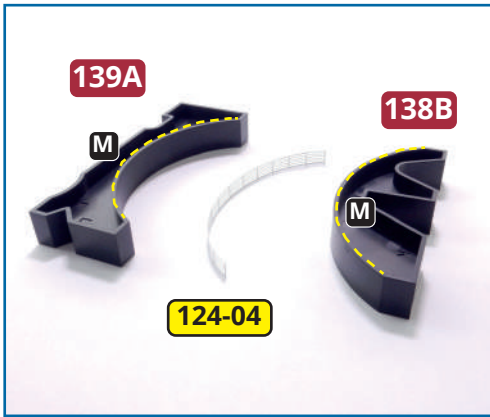


6 Separate parts **72-01** (x2) and **71-02** from frame **140K**. Bend the parts using the D angles on the templates **138D** and **138E**, and the G angles on templates **138D** and **139B**, as shown. Glue the parts **71-01** at the aft of the promenade deck as shown.

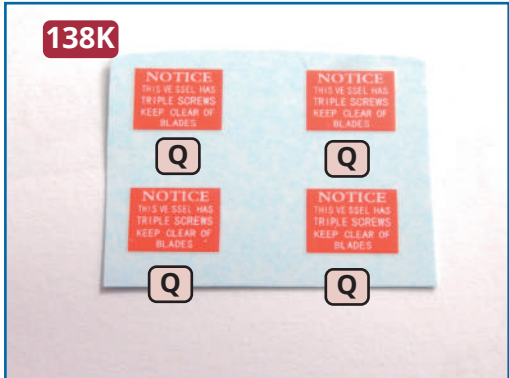


7 Glue part **71-02** in place at the aft of the promenade deck. Remove the two parts **128-01** and part **129-01** from the frame **140K**. Bend the parts using angles B on templates **138E** and **138F**. Glue the parts in place around the two cranes on the aft well deck.

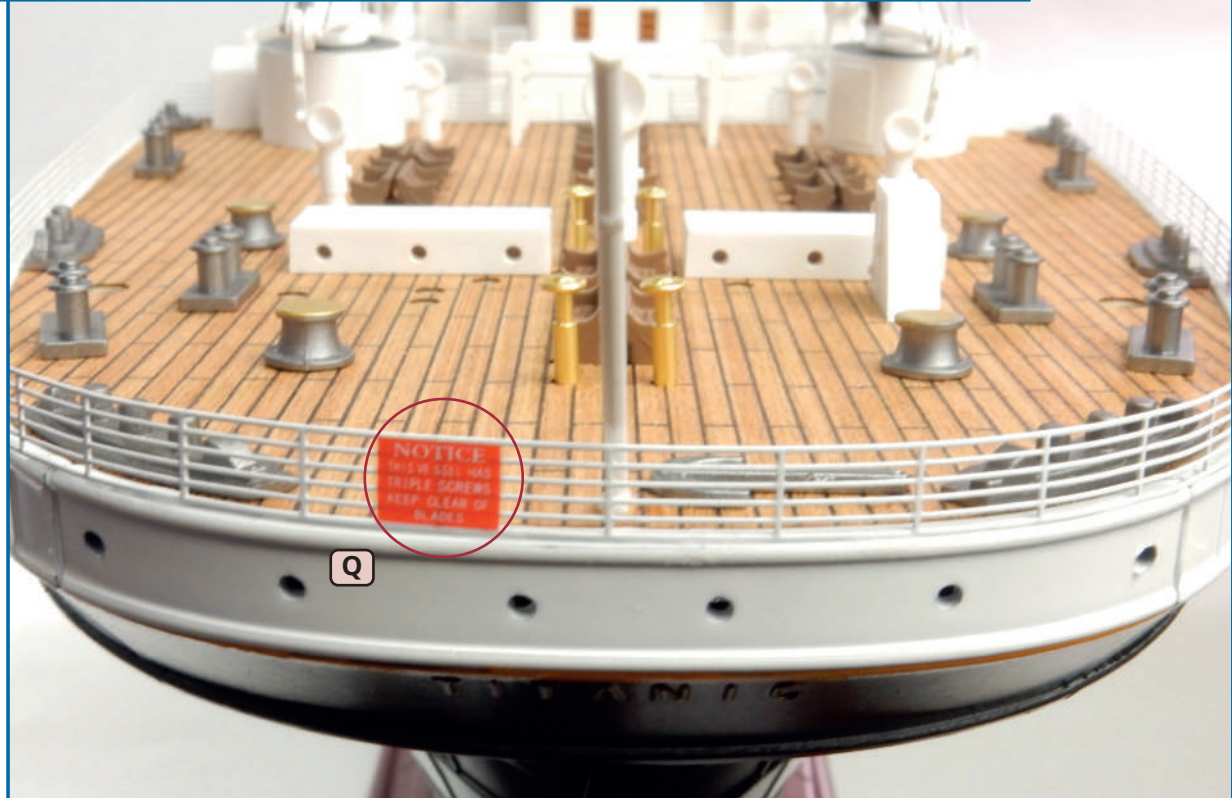
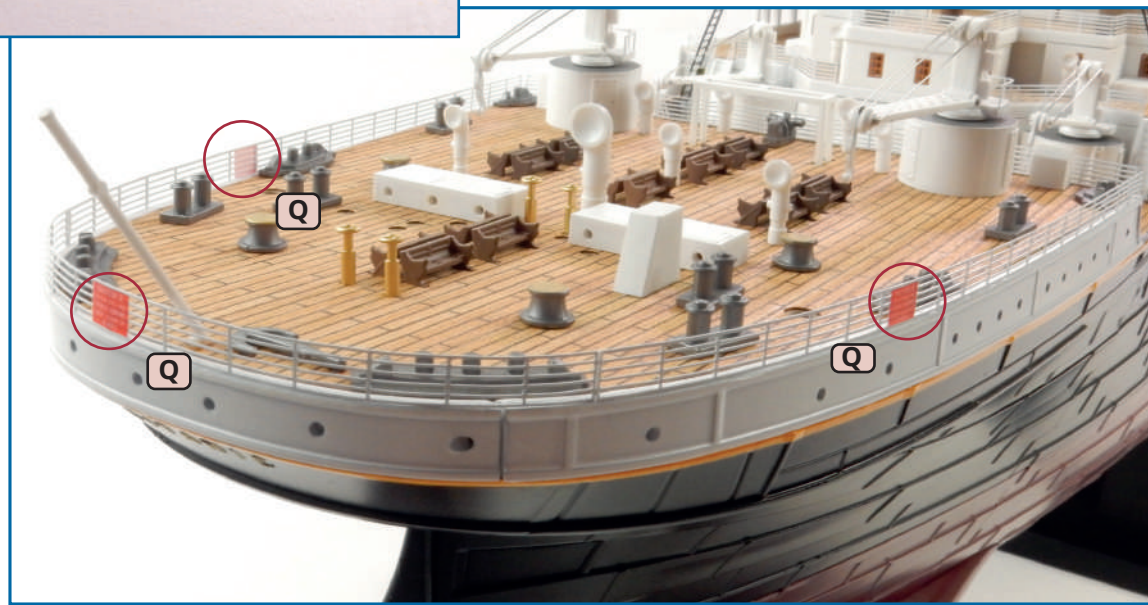
★ STEP-BY-STEP INSTRUCTIONS ★



8 Remove parts **124-01**, **124-02** (x2), **124-03** (x2), **124-04**, **125-02** (x4), **133-01** and **134-01** from plate **140K**. Bend the parts using the curves **M** on templates **139A** and **138B**, and angles **B** on templates **138E** and **138F**. Glue the parts in place on the poop deck and cranes as shown in the photos below. The railings **125-02** are fitted on either side of the steps down to the aft well deck.

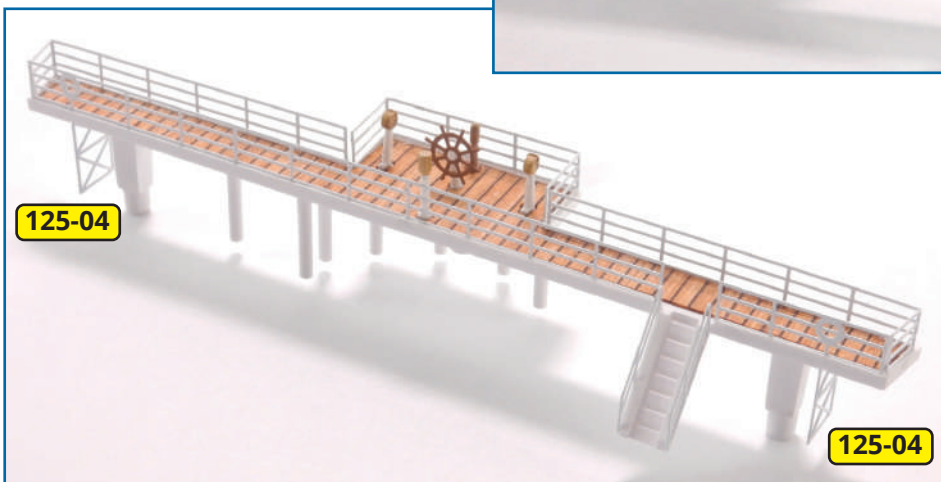
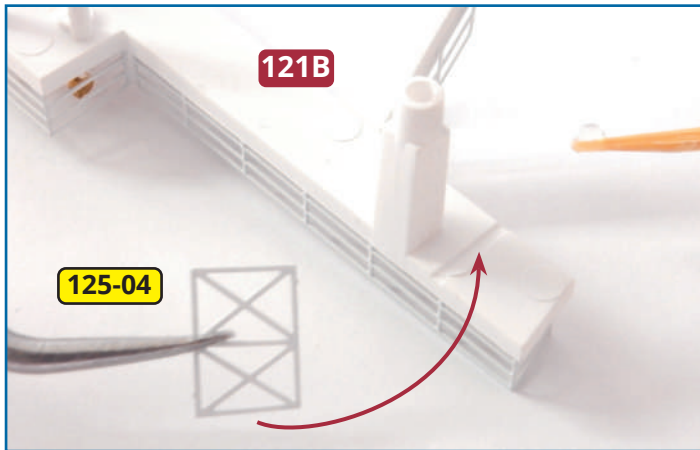
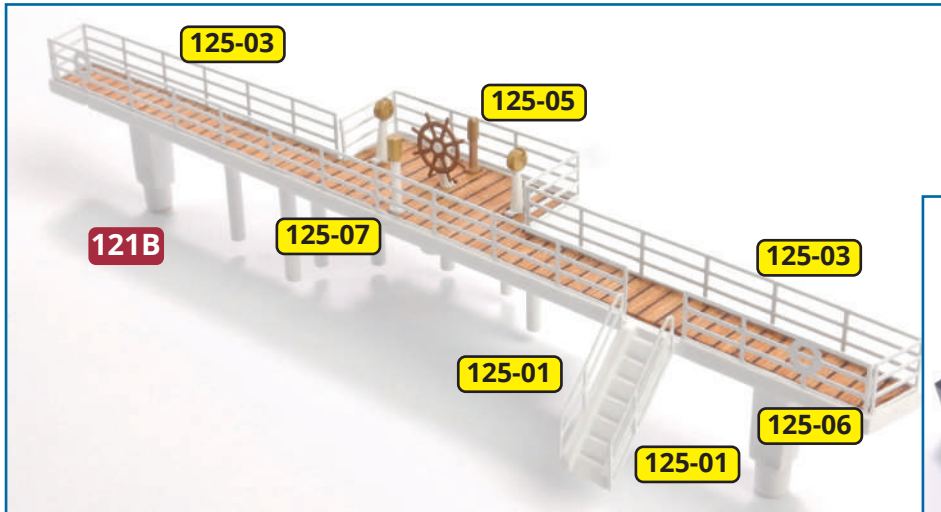
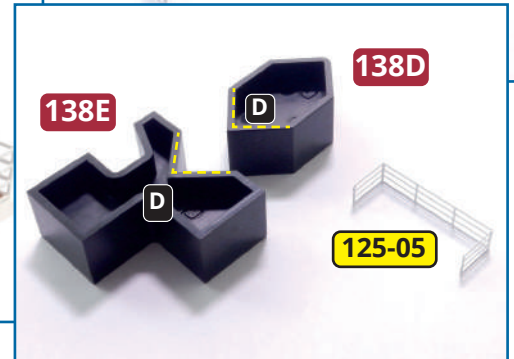
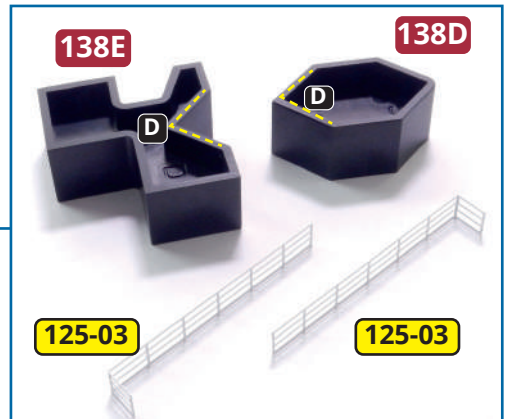


9 Apply three **Q** decals from sheet **138K** in the positions shown, on the railings around the poop deck. Make sure you position them the right way up.

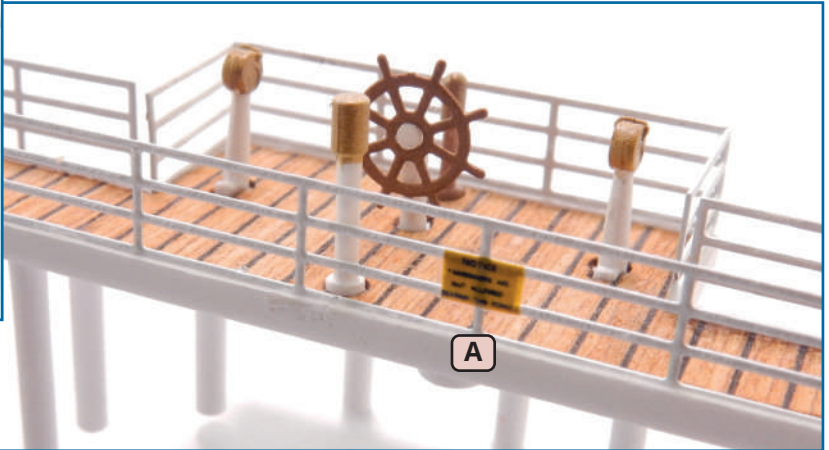
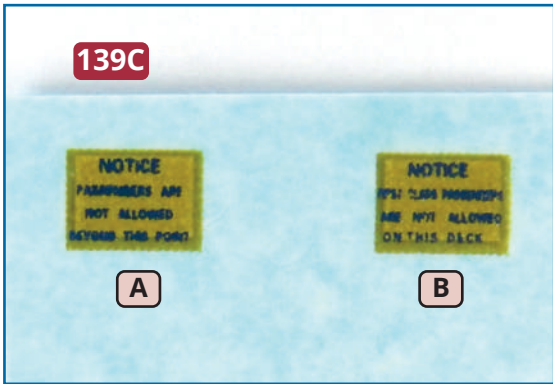


★ **STEP-BY-STEP INSTRUCTIONS** ★

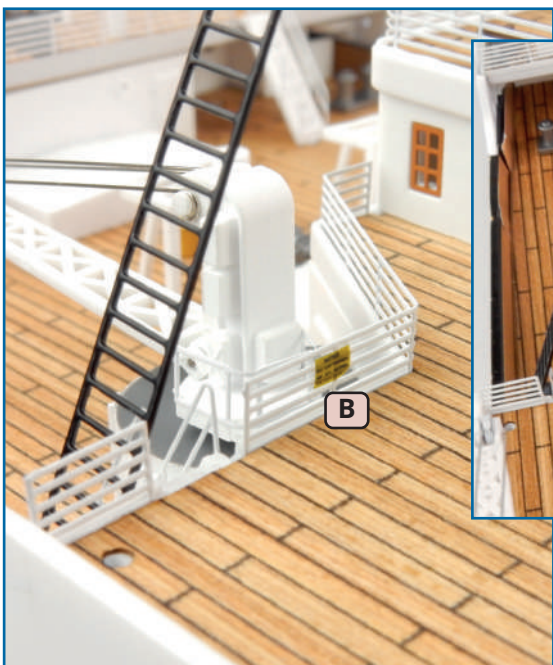
10 Remove parts **125-01** (x2), **125-03** (x2), **125-05**, **125-06** and **125-07** from frame **140K**. Bend the parts using angles D on the templates, as shown. Glue the parts on the docking bridge **121B** as shown in the photo below. Glue the parts **125-01** on either side of the ladder.



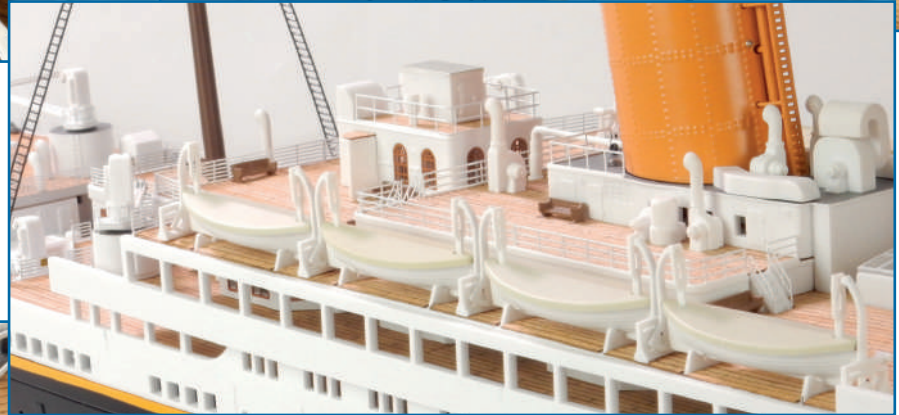
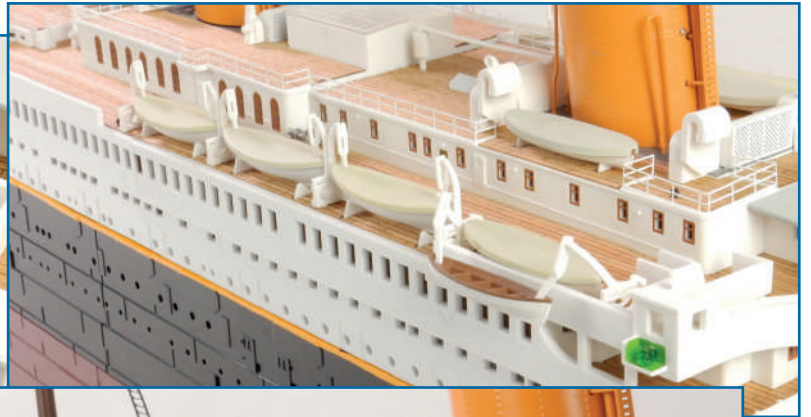
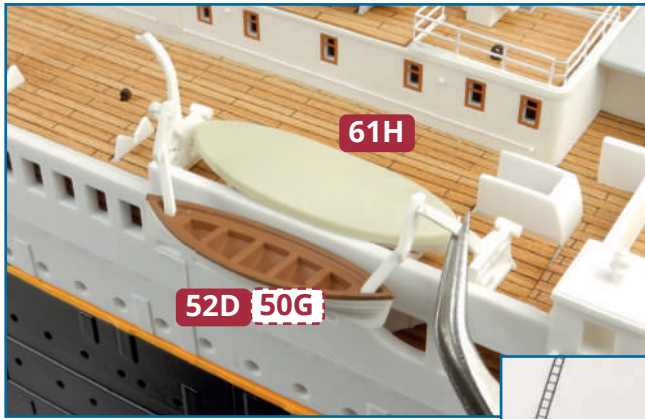
11 Remove the two parts **125-04** from the frame **140K**. Turn part **121B** upside down so you can glue parts **125-04** to the underside of the docking bridge **121B**. The photo on the left shows the complete docking bridge.



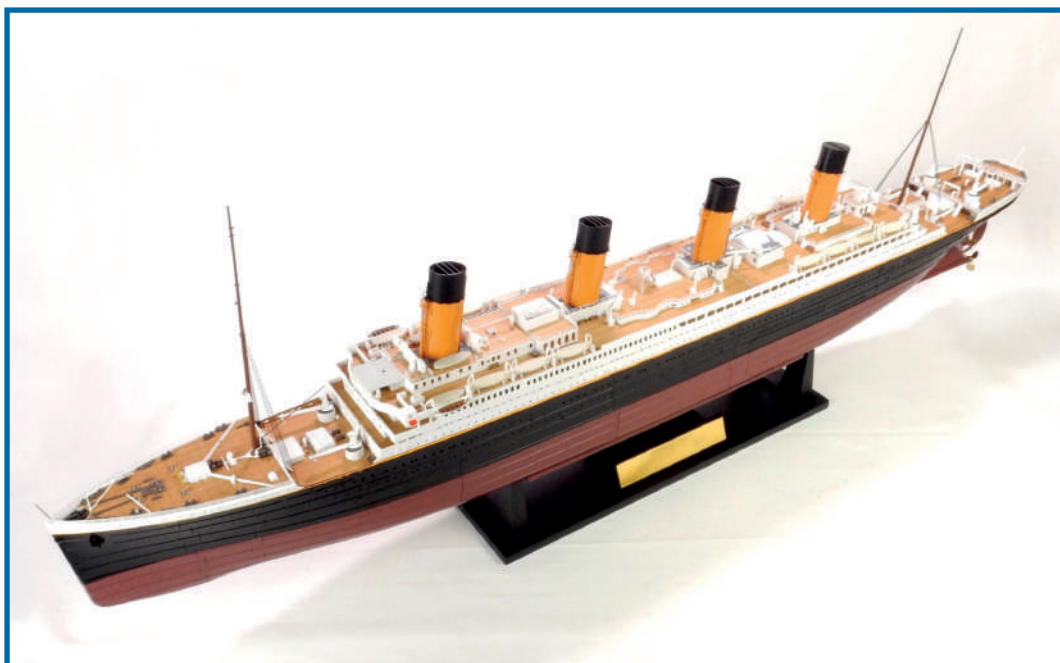
12 Apply a decal **B** from sheet **139C** to the railings at the aft of the docking bridge. Check the fit of the docking bridge across the poop deck and glue in place.



13 Apply two **B** decals from sheet **139C** to the railings at the aft of the shelter deck, as shown.



14 Now attach all the lifeboats to the davits. The two cutters **50G** (port) and **52D** (starboard) and the two dinghies **61H** (with tarpaulin **61I**) should be positioned towards the bow, on both port and starboard (top left). Finally, position the bow flagpole **138H** and glue in place as shown (left).



Completed work

The hull, decks and main structures of your model are complete. You will find instructions for fitting the rigging and flags in the pages that follow.

TITANIC

THE SHIP · THE LEGEND

Fitting the rigging and flags

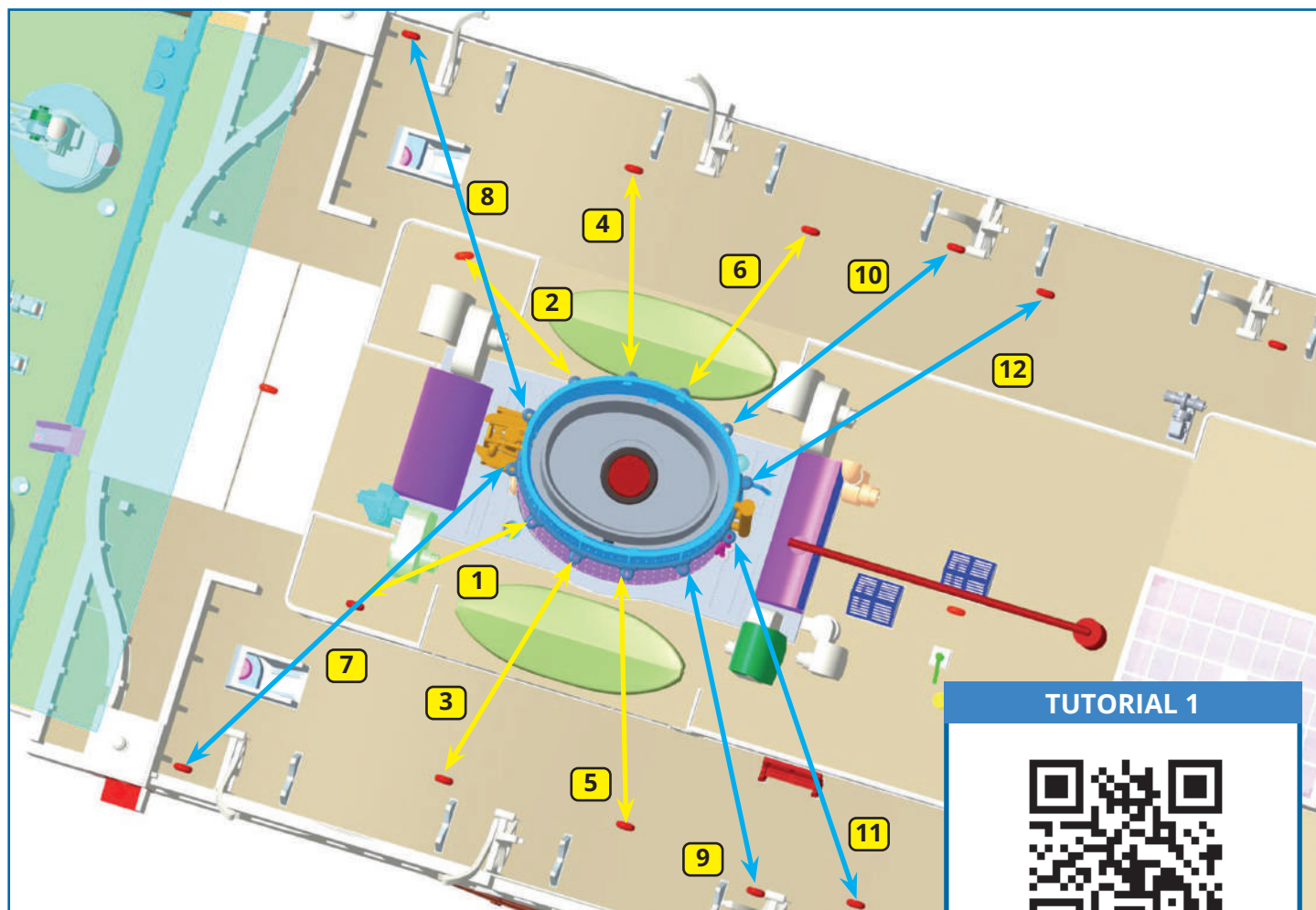
In the following pages you will find instructions for completing the model - fitting rigging and flags. You will need plenty of time to attach all the rigging, and you may find it helpful to remove some small parts so that you can access the screw eyes more easily. Don't forget to re-fix them when the rigging is in place. We have included links to video tutorials that will help to clarify the instructions.

CONTENTS

Funnel Rigging	50
Forward Mast (1).....	54
Forward Mast (2).....	57
Aft Mast	60
Aerials	63
Flags	68
General Wiring Diagram.....	71



FUNNEL RIGGING



First funnel

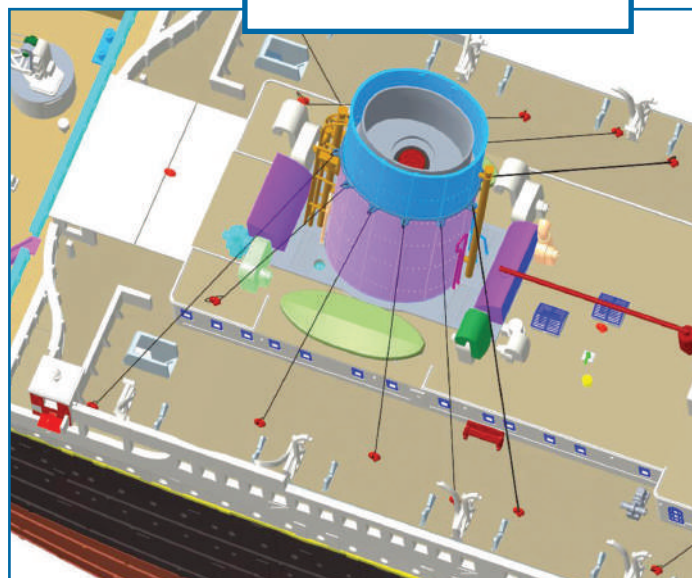
Fit the rigging to the first funnel as follows: use the nylon thread supplied with issue 137, and cut six 25 cm lengths and six 30 cm lengths. Tie the thread between the eyelets indicated, fixing the 25 cm lengths at the points indicated by the yellow arrows and the 30 cm lengths at the points indicated by the blue arrows.

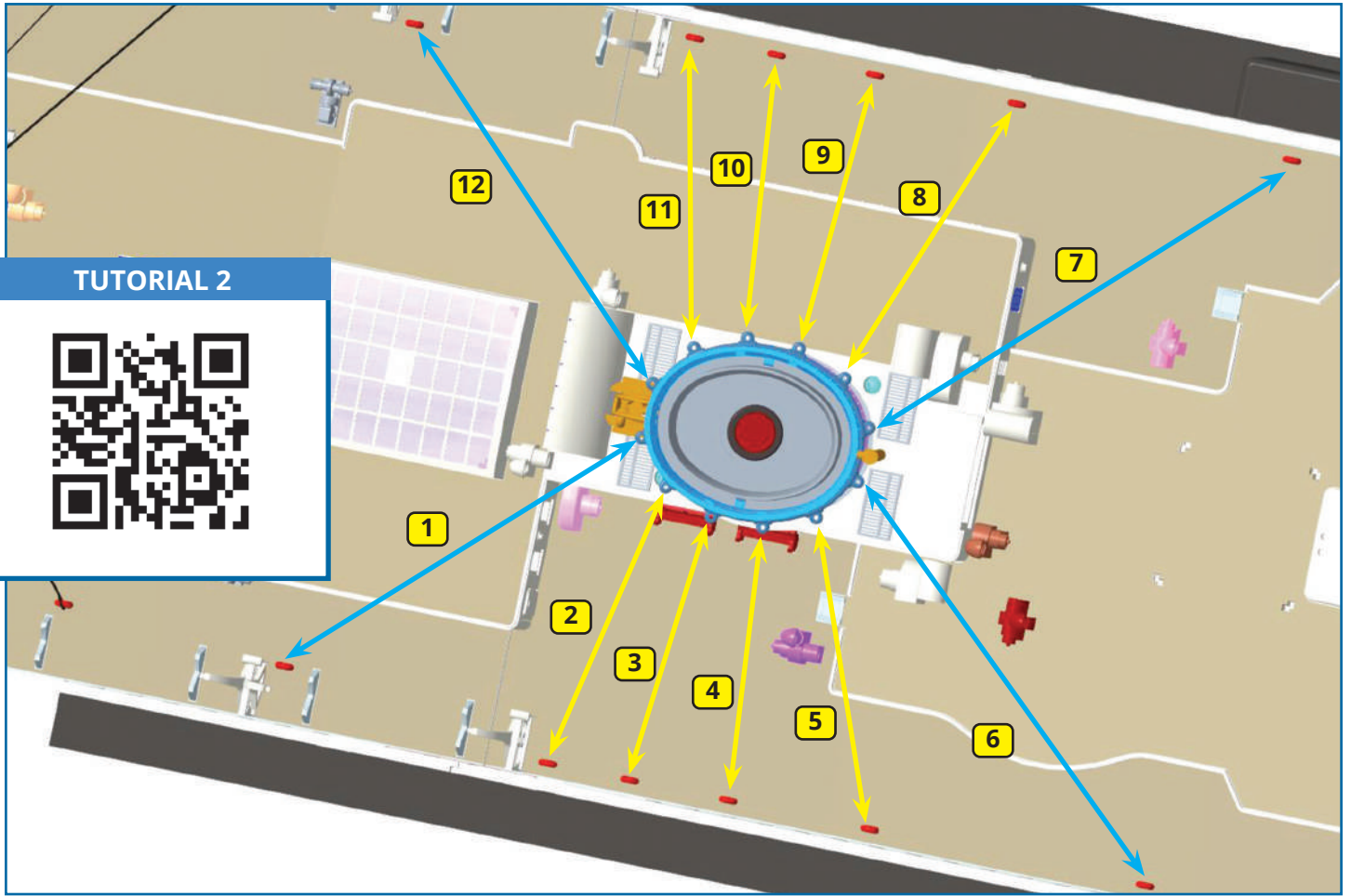
The numbers in the yellow boxes indicate the order in which to fit the lengths of thread.

Tie each end with a double knot (two half hitches) and cut off the ends neatly.

Scan the QR code to follow a tutorial or visit the web address: bit.ly/titanic_tutorials

Tutorial 1 shows how to fit the rigging to the first funnel.

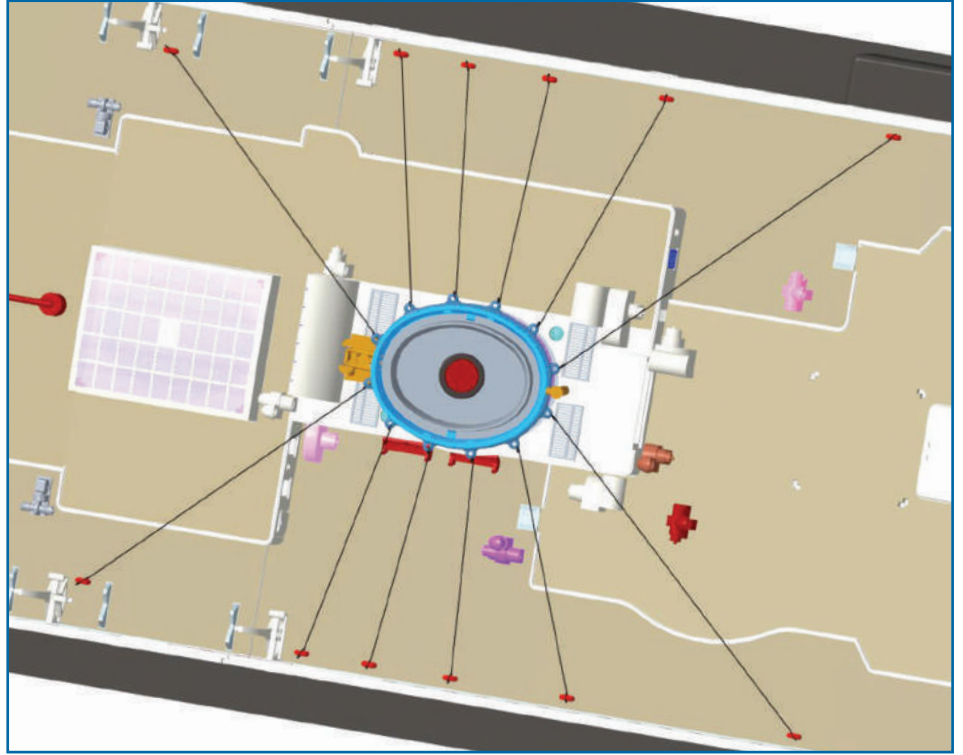


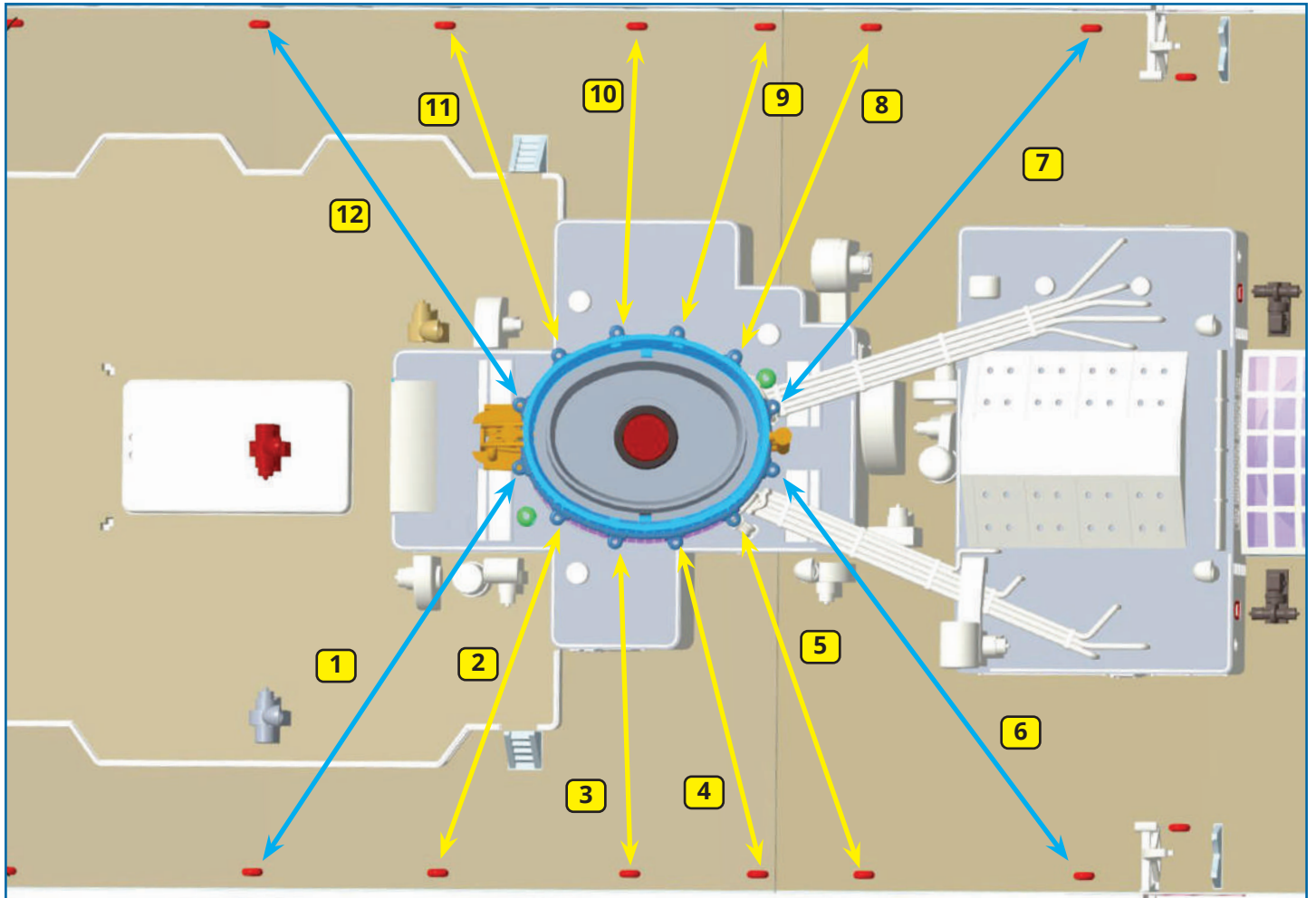


Second funnel

Similarly, fit the rigging to the second funnel, following the diagram. You will need eight 25 cm lengths (yellow arrows) and four 30 cm lengths (blue arrows). Tie the threads with double knots and cut the ends off neatly.

Scan the QR code to follow a tutorial, or check tutorial 2 at the web address: bit.ly/titanic_tutorials

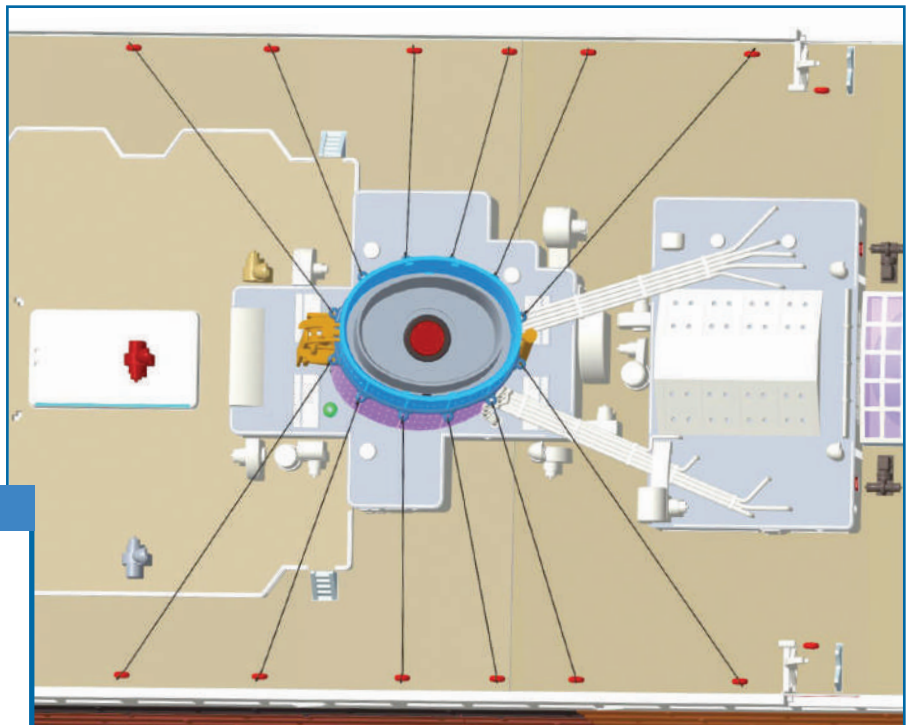




Third funnel

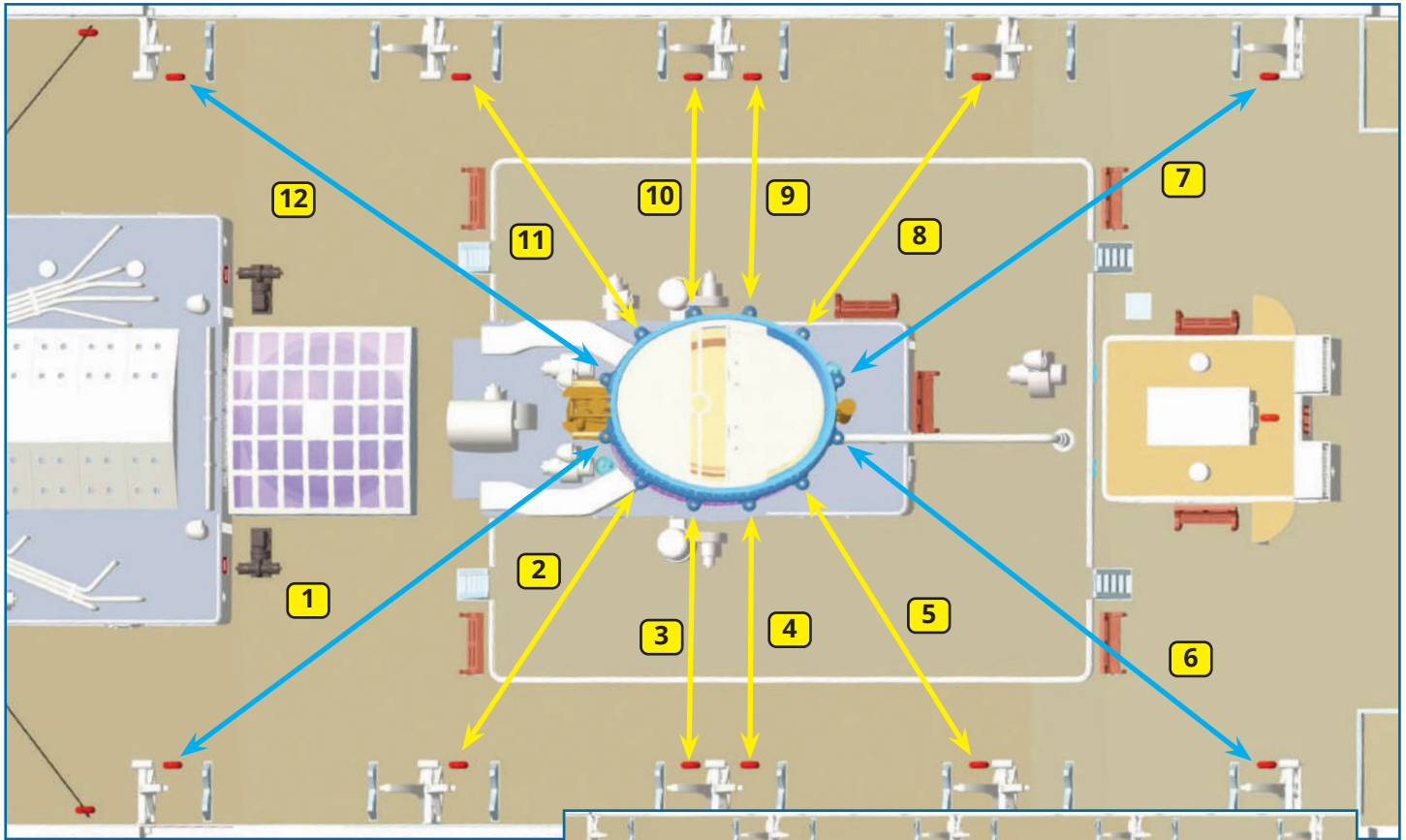
For the third funnel, you will need eight 25 cm lengths (yellow arrows) and four 30 cm lengths (blue arrows). Again, follow the order indicated, and tie with double knots, cutting the ends off neatly.

Tutorial 3 shows you how to fill the water tanks in the funnels to produce steam.



TUTORIAL 3

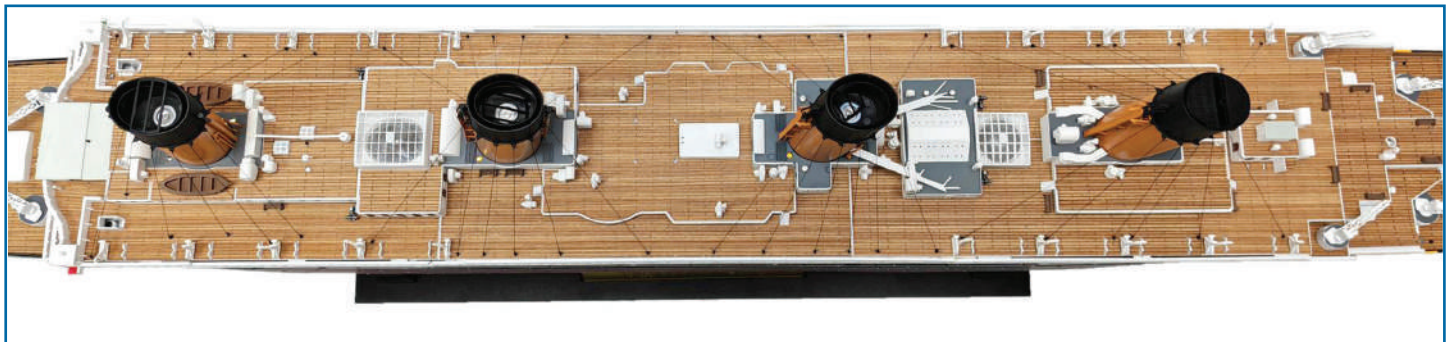
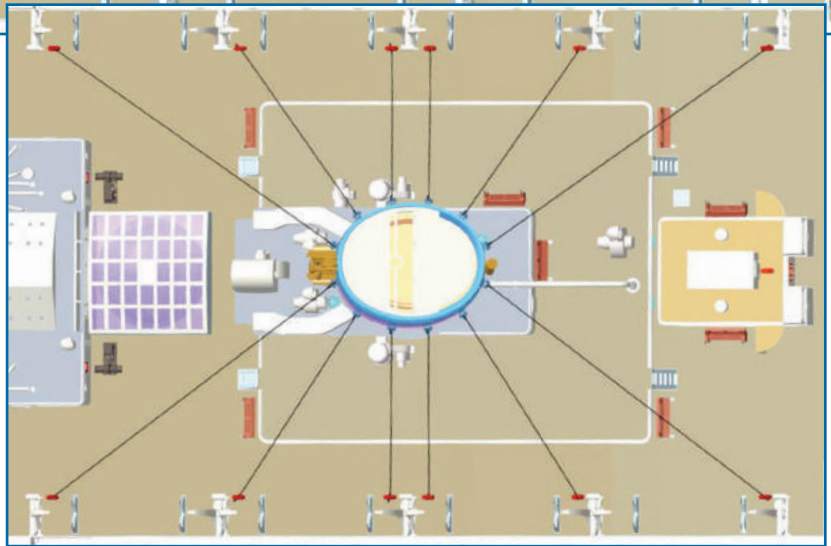




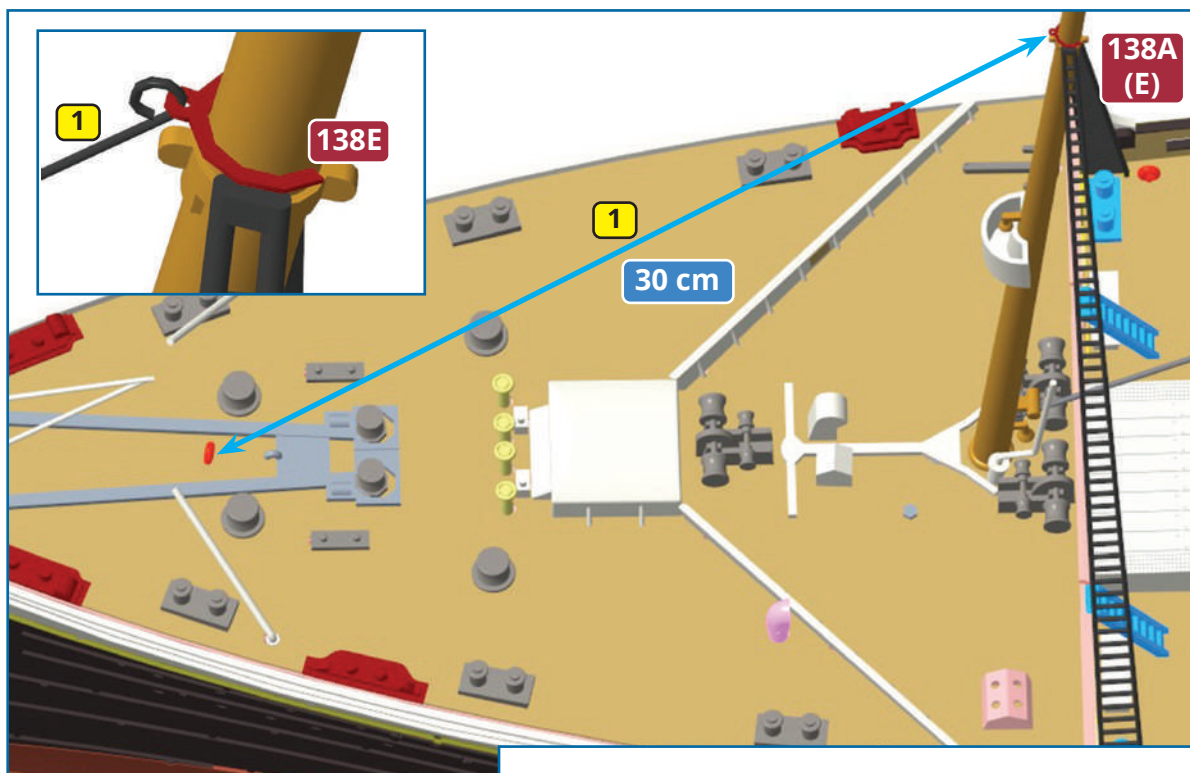
Fourth funnel

For the fourth funnel, you will need eight 25 cm lengths (yellow arrows) and four 30 cm lengths (blue arrows). Again, follow the order indicated, and tie with double knots, cutting the ends off neatly.

The photo below shows the funnel rigging in place.



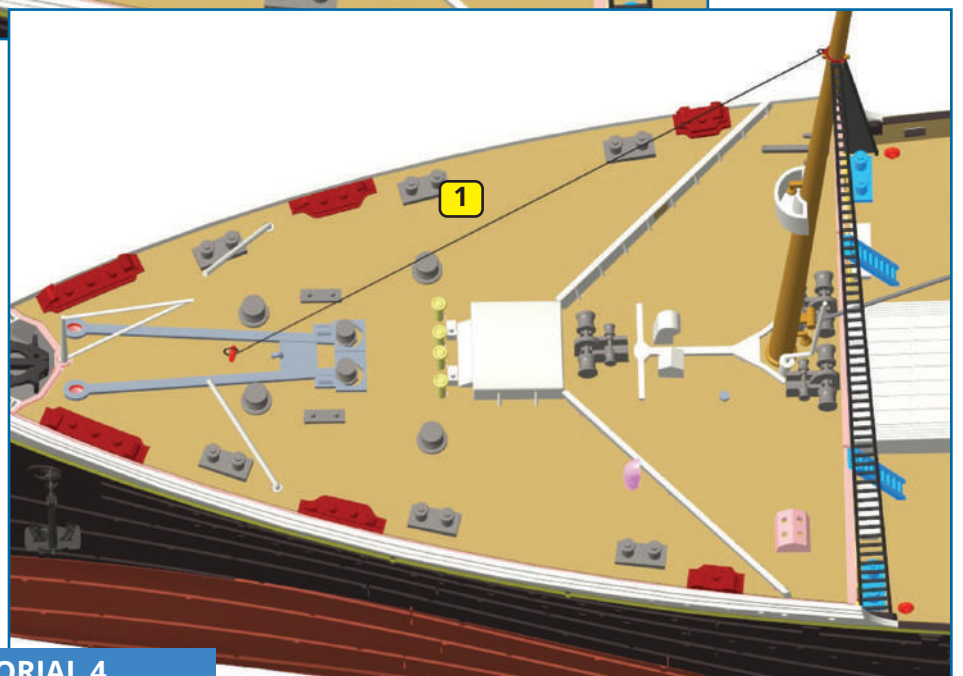
FORWARD MAST (1)



Forward mast – Line 1

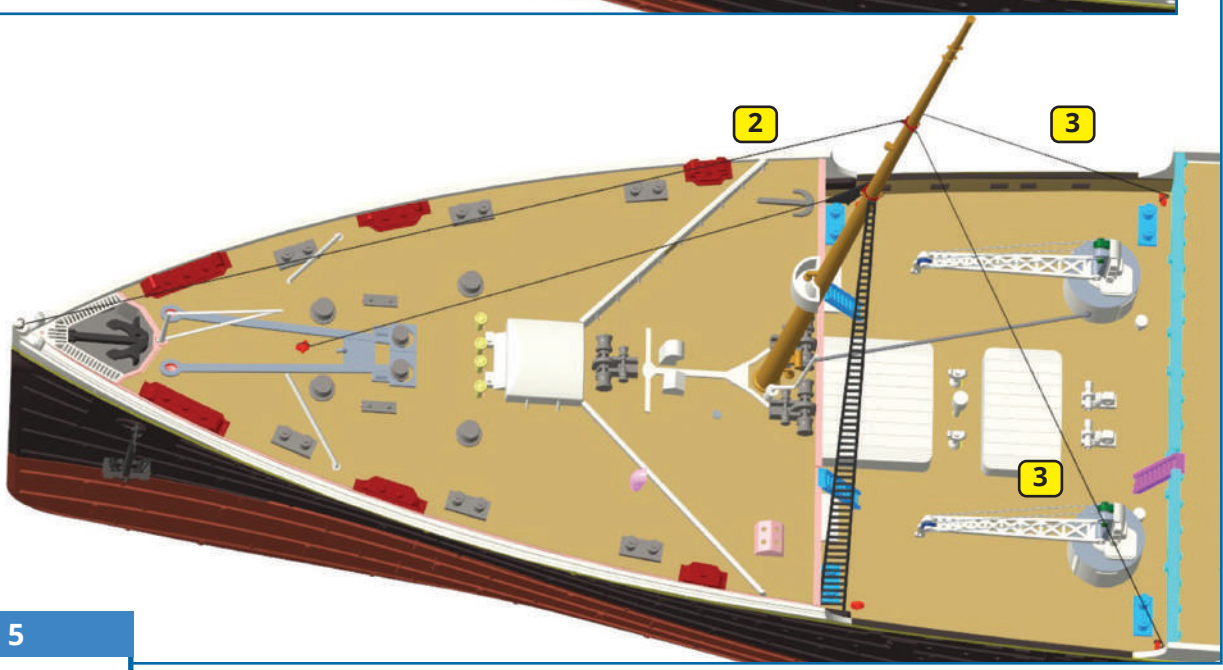
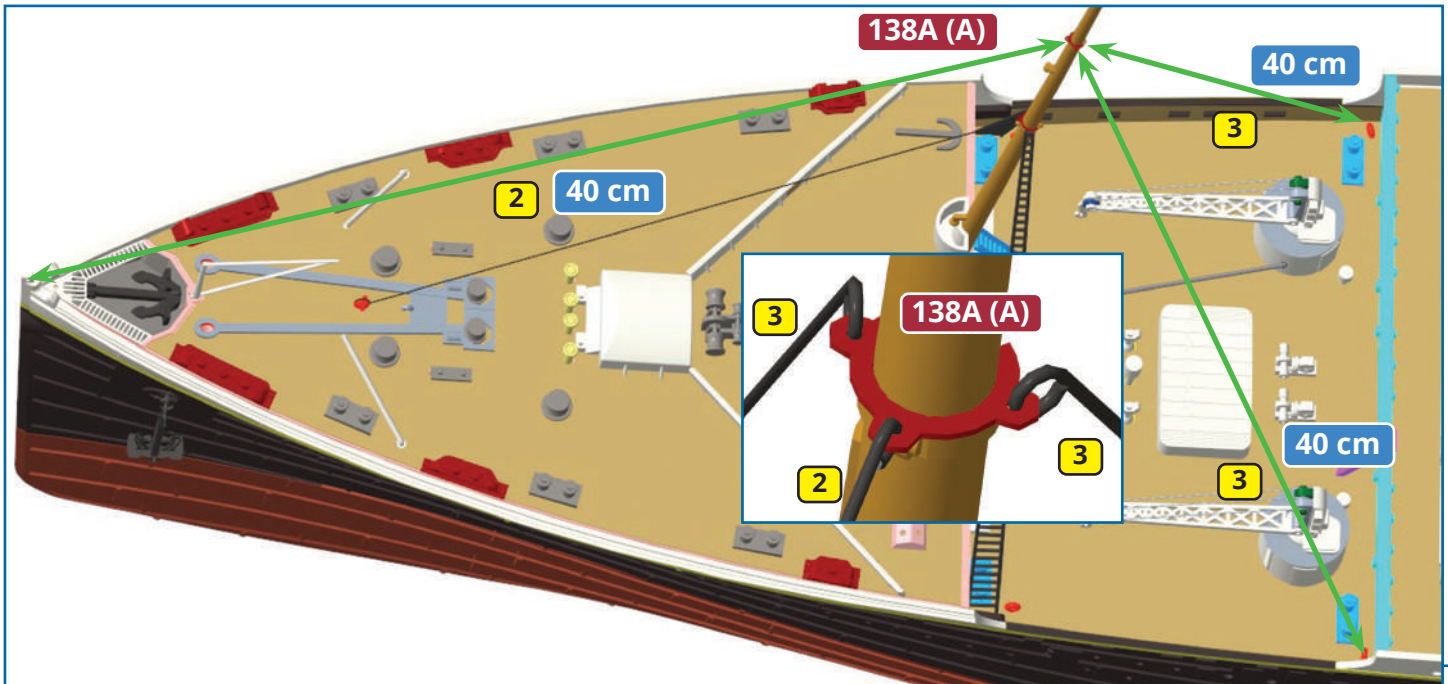
Cut a 30 cm length of nylon thread (supplied with issue 137). One end is tied to the eyelet on the ring **138A (E)** at the top of the shrouds and the other is tied to the screw eye on the forecastle deck. Tie each end of the line with a double knot and then trim away any excess.

Tutorial 4 shows the line being tied.



TUTORIAL 4





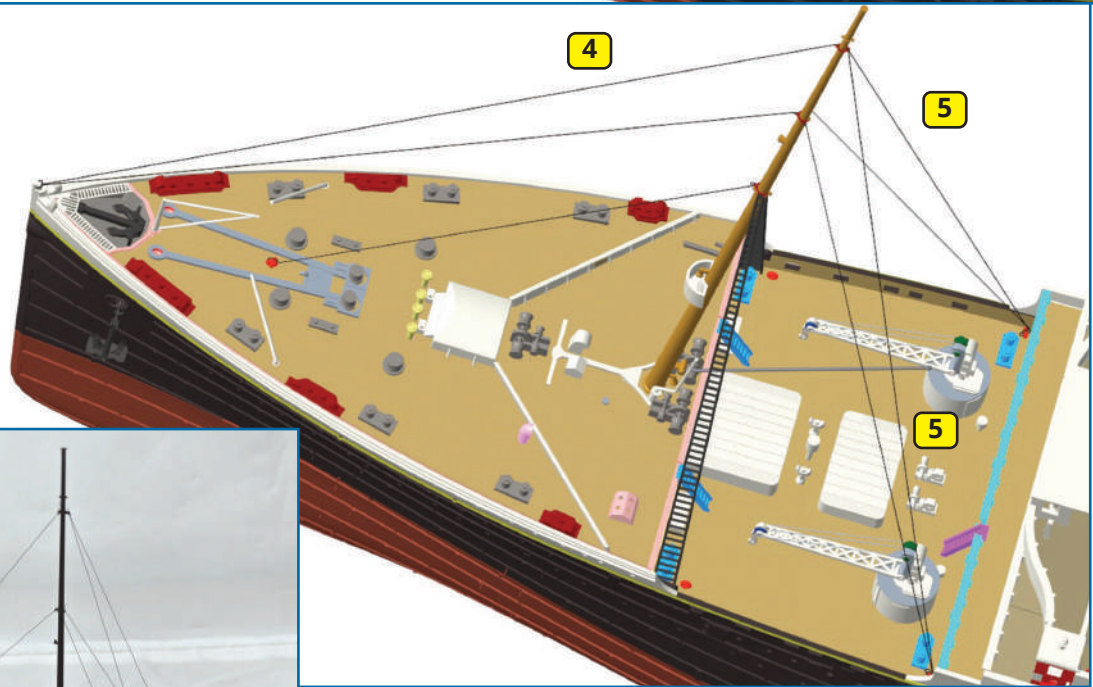
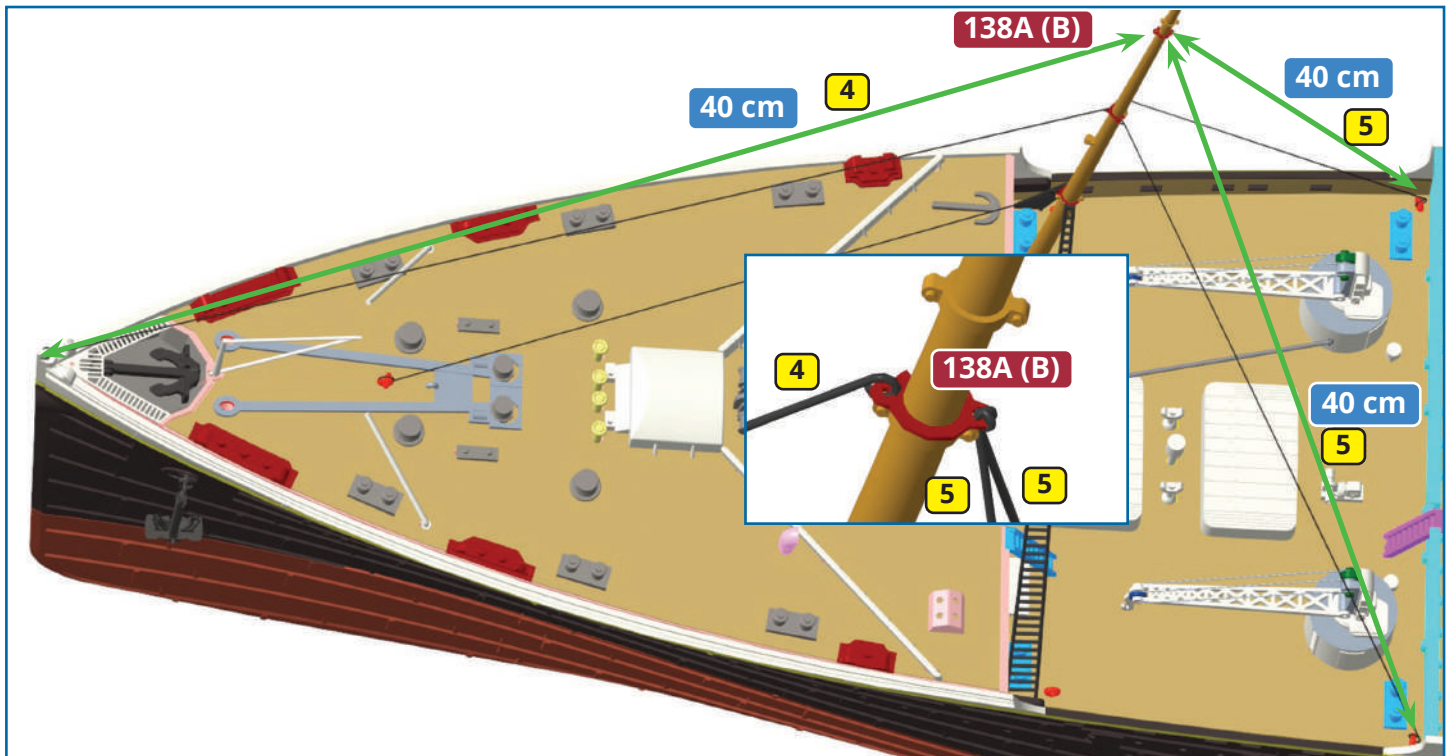
TUTORIAL 5



Forward mast – Lines 2 and 3

Cut three 30 cm lengths of nylon thread. Tie one line to the eyelet on the front of the ring **138A (A)** and the screw eye on the forecastle deck; tie two lines to the eyelets on the side of ring **138A (A)** and screw eyes on the forward well deck, as indicated.

★ STEP-BY-STEP INSTRUCTIONS ★

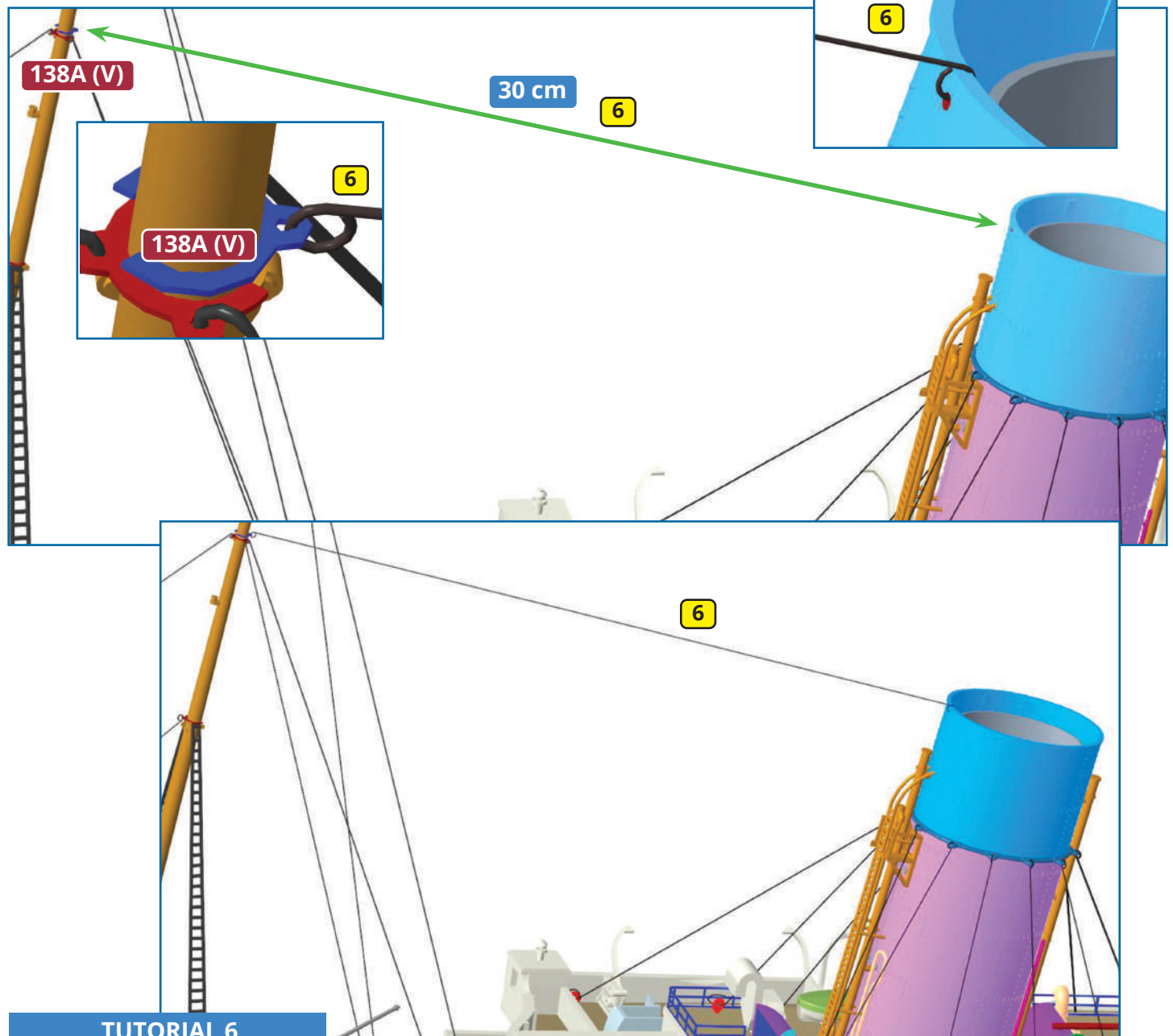


Forward mast – Lines 4 and 5

Cut three 40 cm lengths of nylon thread. Tie one line to the eyelet on the front of the ring **138A (B)** and to the eyelet at the prow; tie two lines to the eyelet at the back of ring **138A (B)** and to the eyelets on the forward well deck (the same rings used for lines 3 opposite).



FORWARD MAST (2)

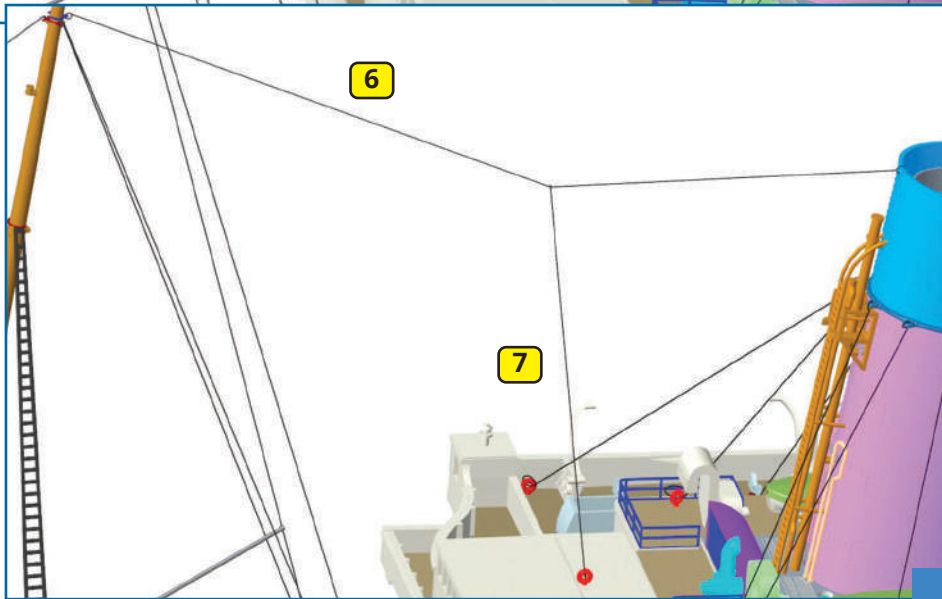
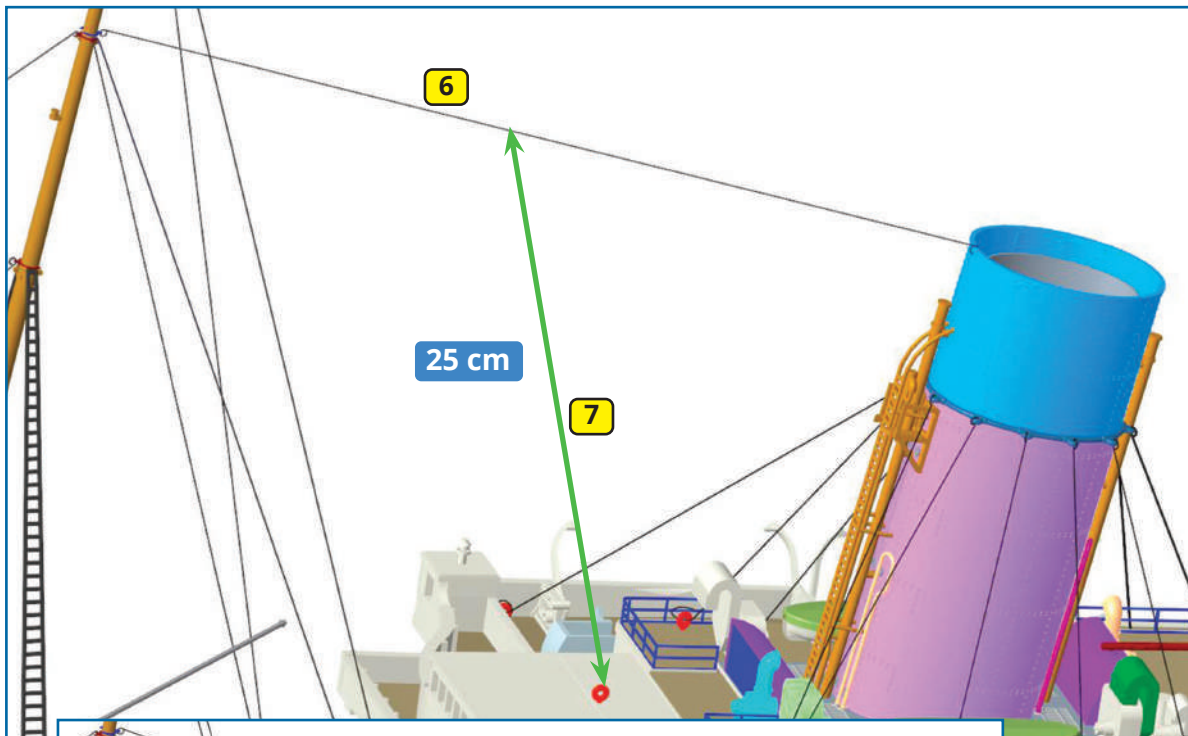


TUTORIAL 6



Forward mast – Line 6

Cut a 30 cm length of nylon thread. Tie one end of the line to ring **138A (V)** (at the same height on the mast as ring **138A (A)**, shown on page 55). Tie the other end through the hole drilled at the front of the forward funnel (see issue 139).

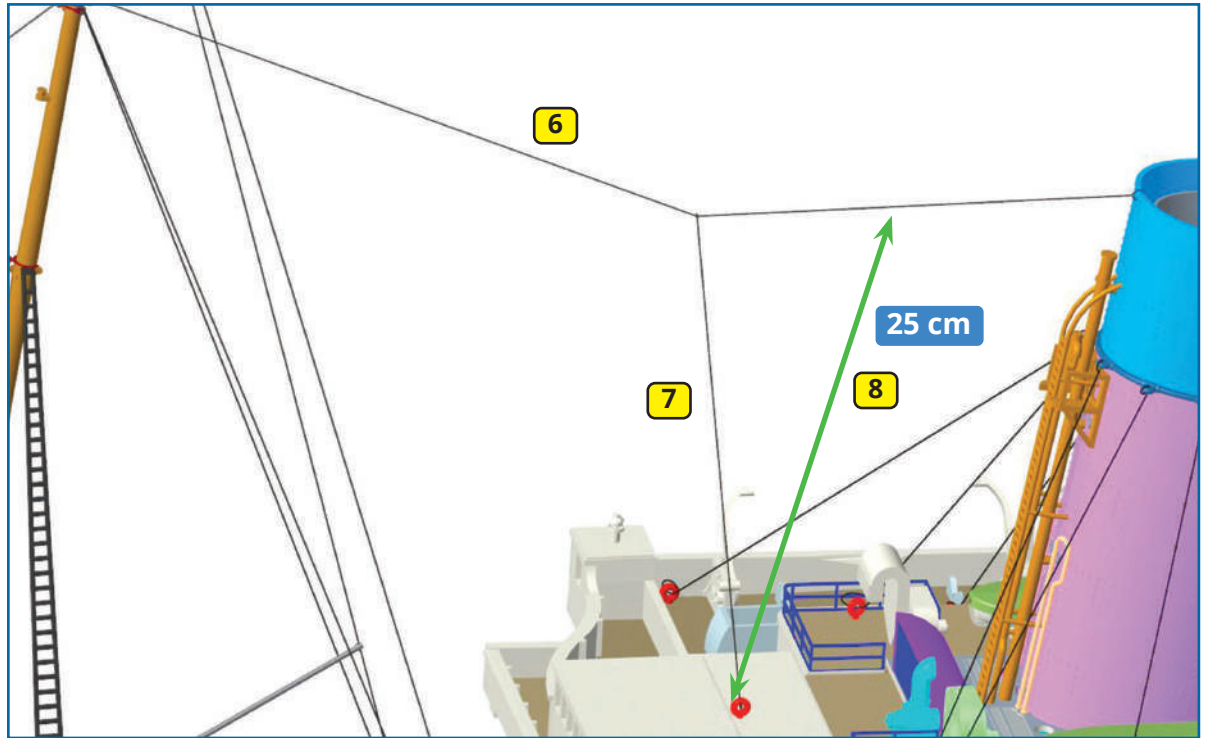


Forward mast – Line 7

Cut a 25 cm length of thread. Tie one end to the centre of line 6 and the other end to the screw eye at the centre of the bridge roof. Ensure that the line is tight enough to pull line 6 down slightly, as shown. Check Tutorial 7. You may find it helpful to use a little glue to hold the top of the line in place.

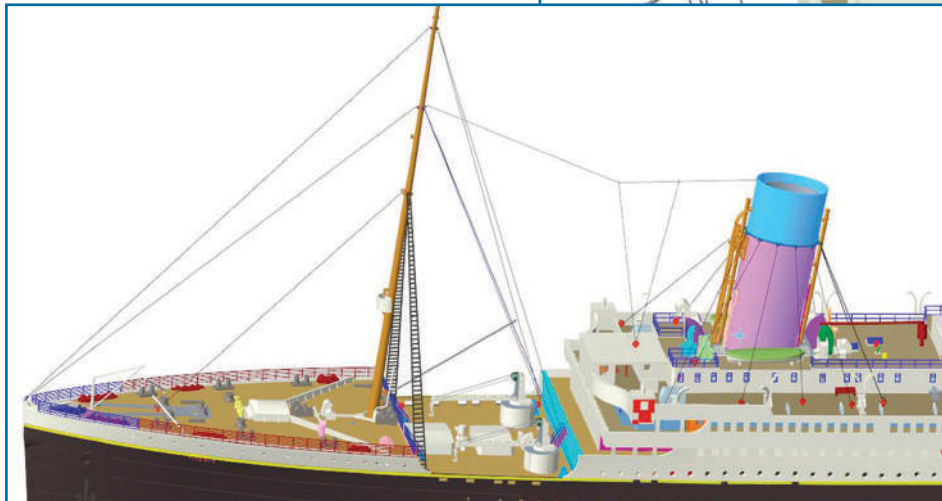
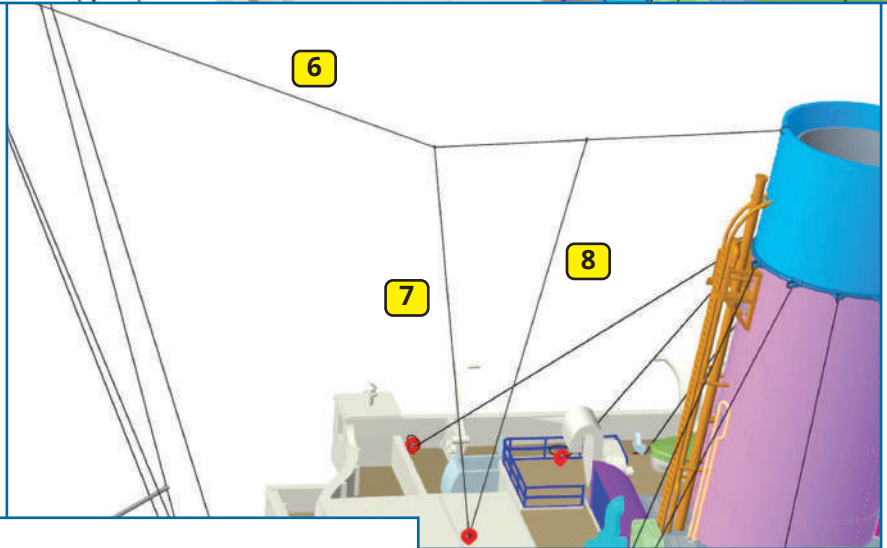
TUTORIAL 7



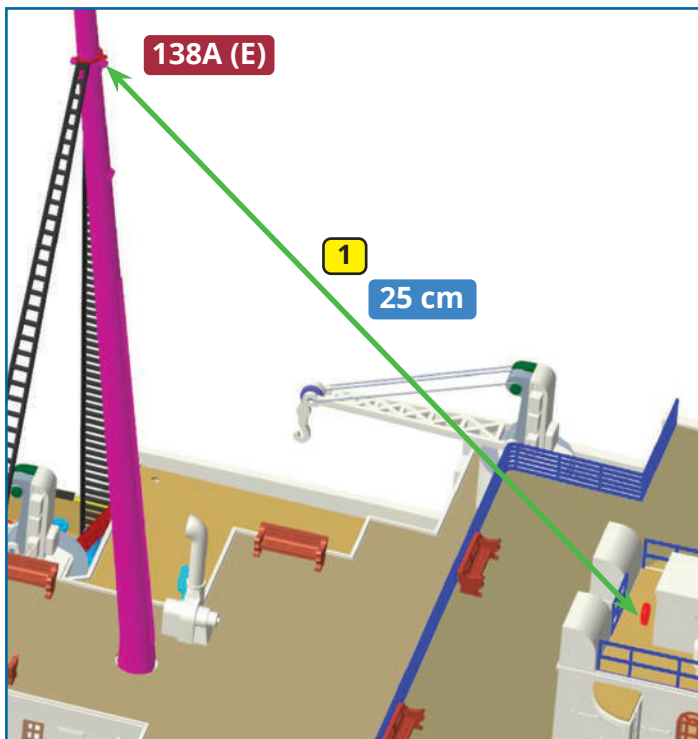


Forward mast – Line 8

Cut a 25cm length of thread. Tie one end to line 6, between the funnel and line 7. Tie the other end to the screw eye at the centre of the bridge roof (the same screw eye that line 7 was attached to). If necessary, use a tiny drop of glue to hold the top of the line in place.

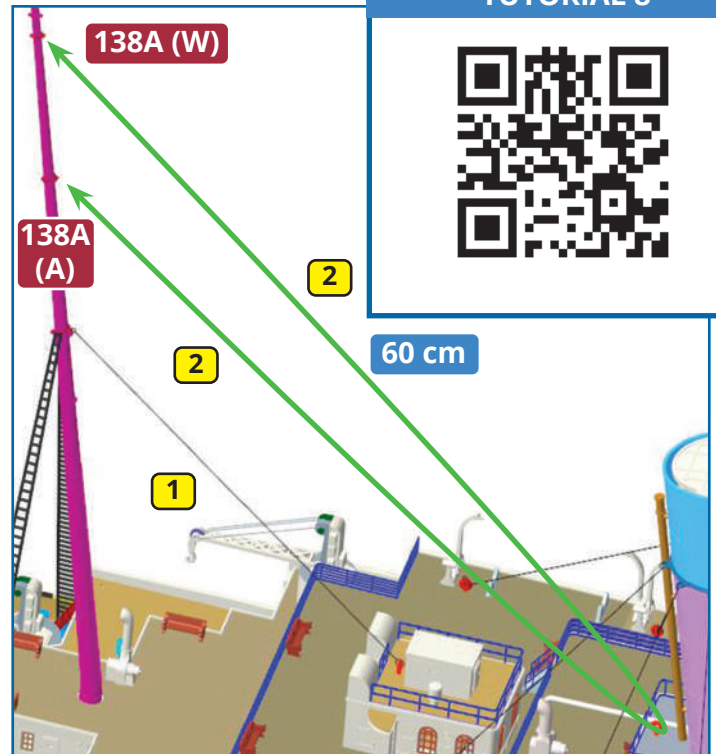
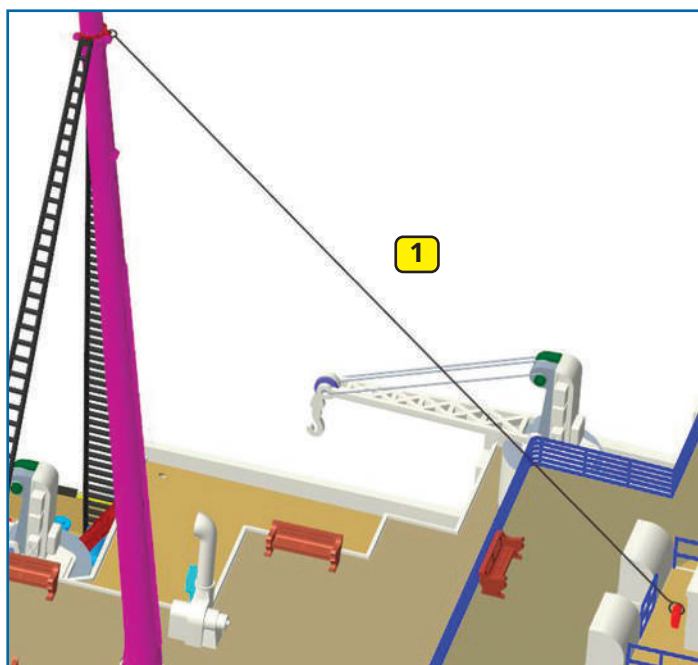


AFT MAST



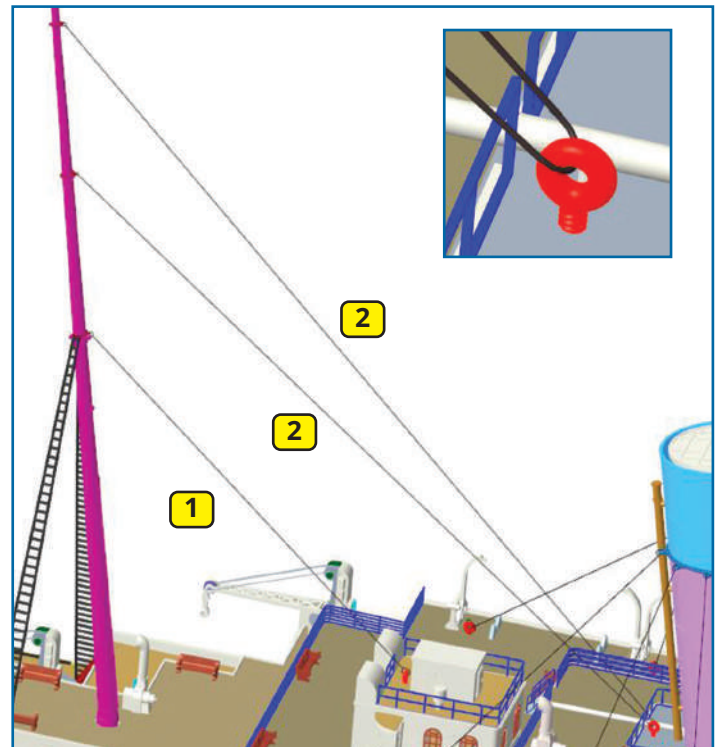
Aft mast – Line 1

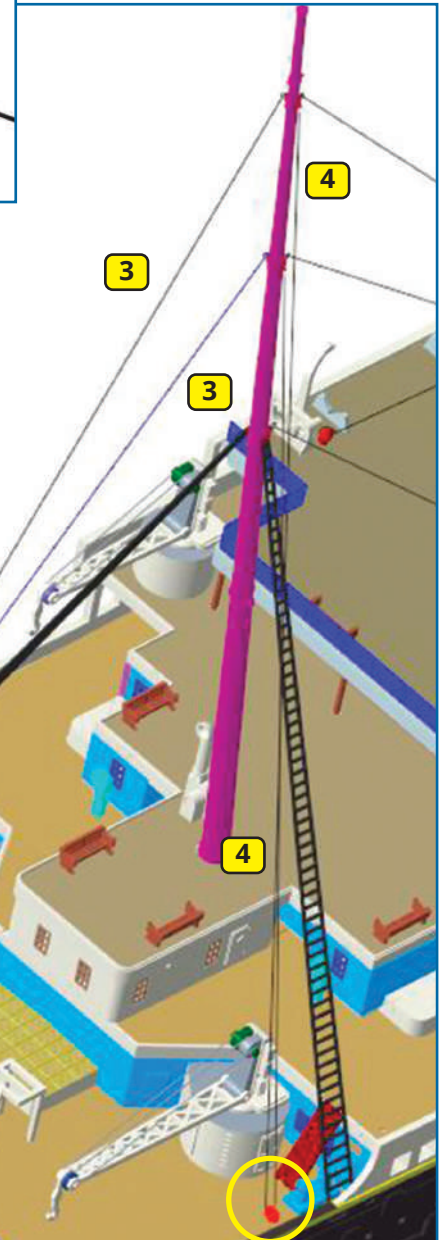
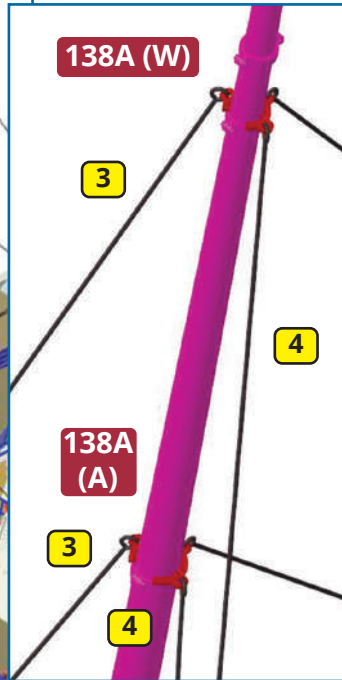
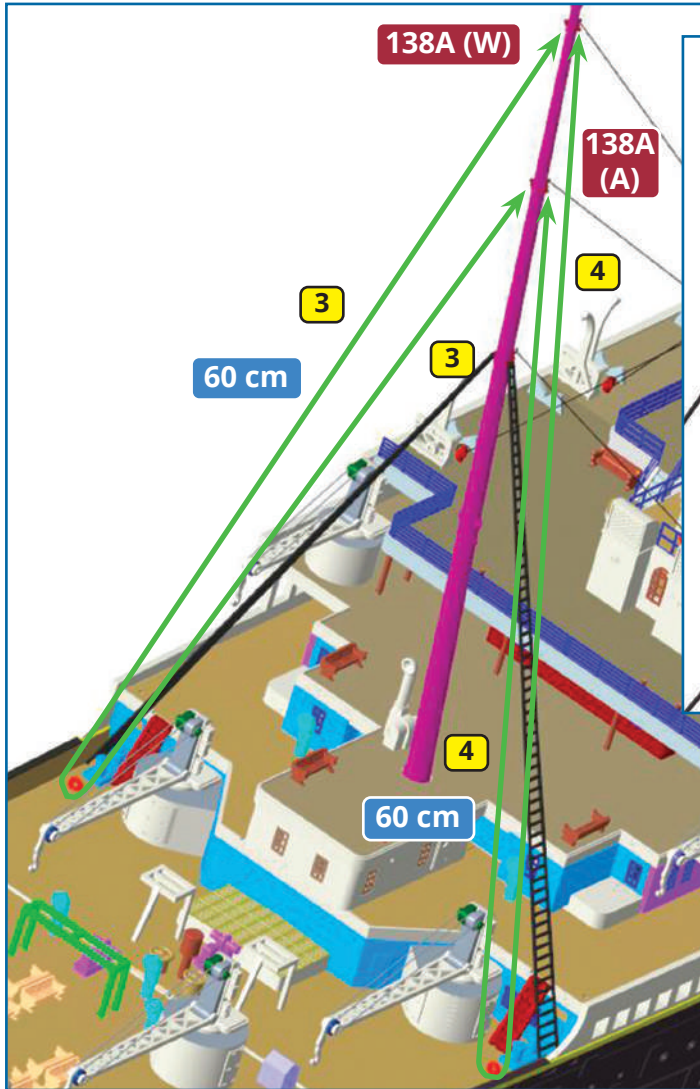
Cut a 25cm length of thread. Tie one end to the ring **138A (E)** at the top of the shrouds on the aft mast. Tie the other end to the screw eye at the aft end of the boat deck. Use double knots and trim any excess.



Aft Mast – Line 2

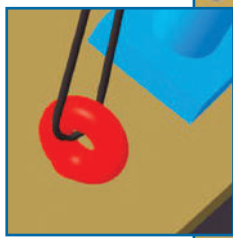
Cut a 60cm length of thread. Tie one end to the ring **138A (A)** on the aft mast, then run the thread through the screw eye at the aft end of the boat deck, near the aft funnel, then back up to ring **138A (W)** near the top of the aft mast. Tie securely and trim any excess.





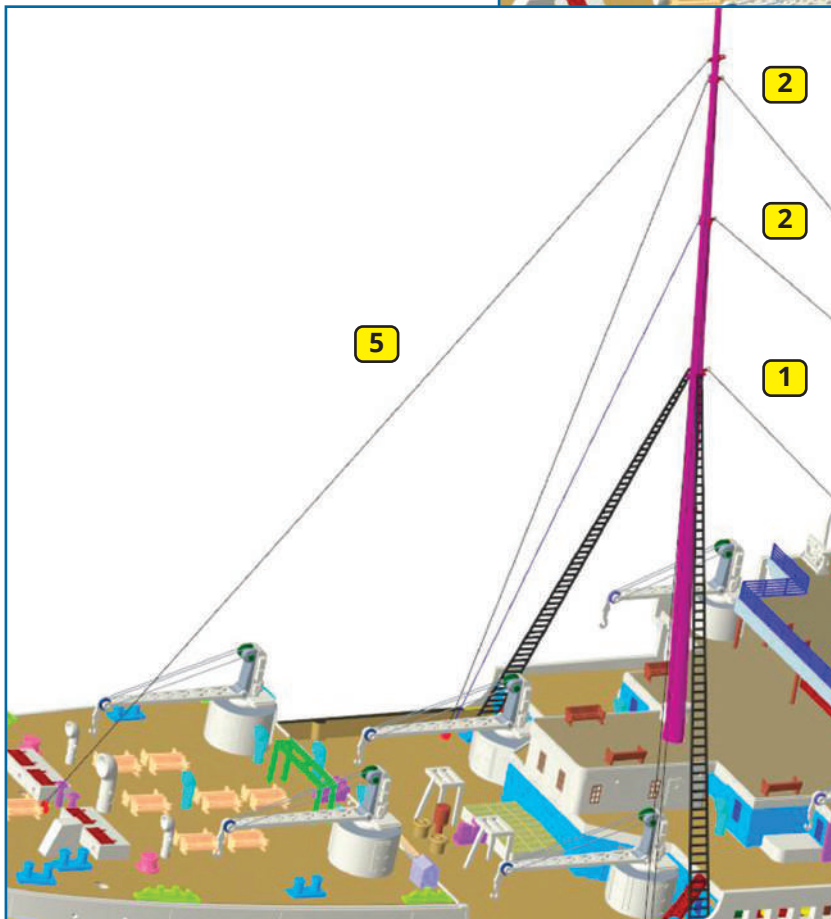
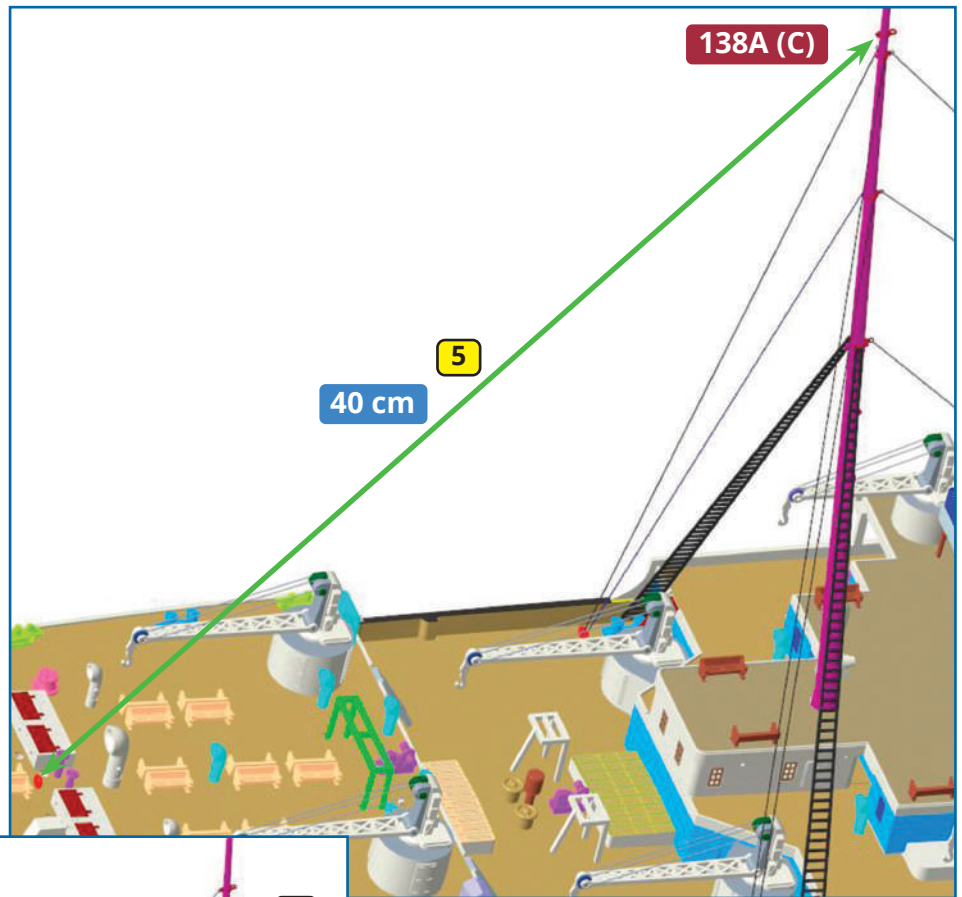
Aft mast – Lines 3 and 4

Cut two 60cm lengths of thread. On the port side, tie one end of line 3 to the eyelet on the side of ring **138A (A)**. Run the thread through the screw eye near the crane on the aft well deck, then run the thread back up to the eyelet on the side of ring **138A (W)** further up the aft mast. Tie securely and trim away any excess thread. Repeat to tie line 4 on the starboard side.



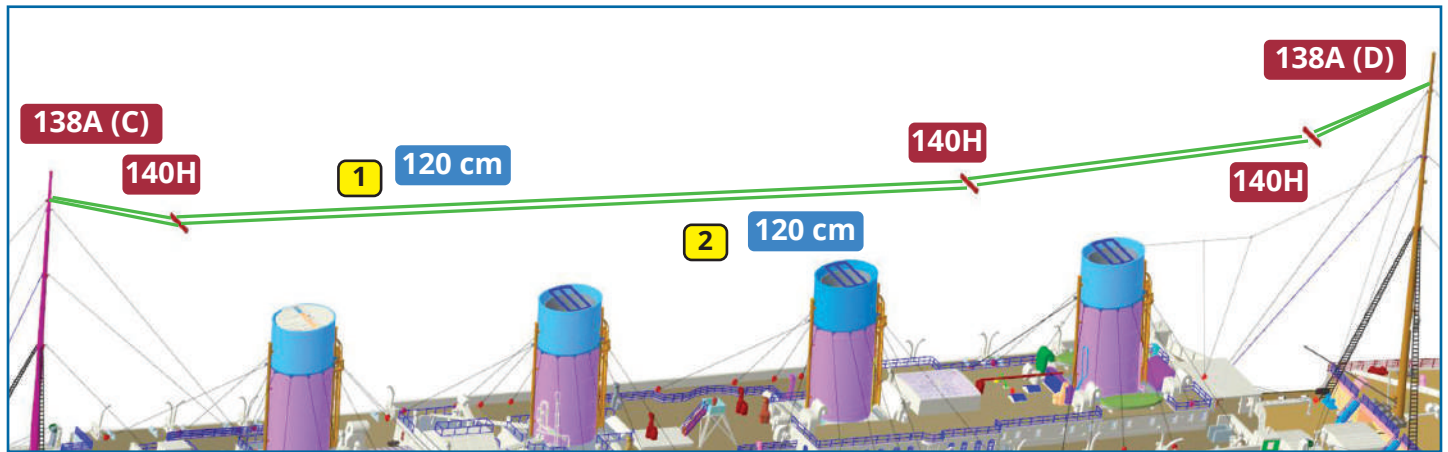
Aft mast – Line 5

Cut a 40cm length of nylon thread. Tie one end to the eyelet on ring **138A (C)** near the top of the mast. Tie the other end to the eyelet indicated on the poop deck. Tie securely and trim away any excess thread.

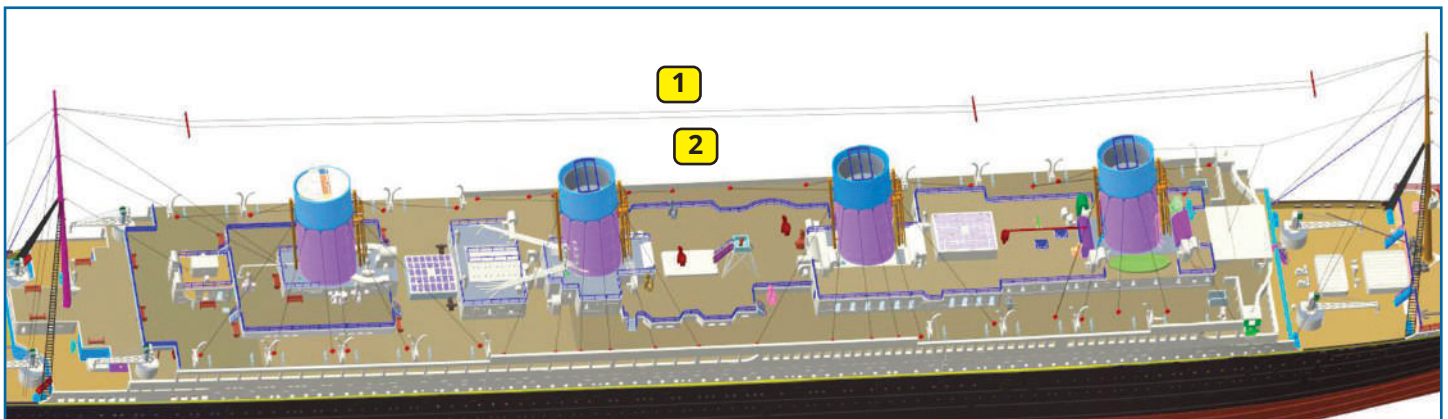
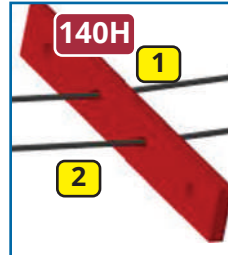
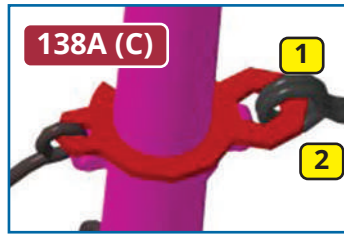




AERIALS

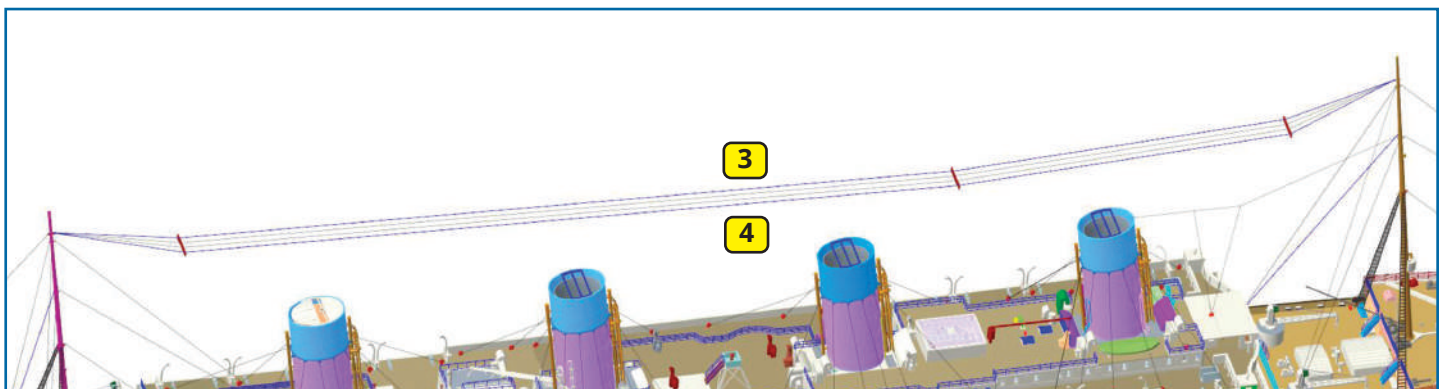
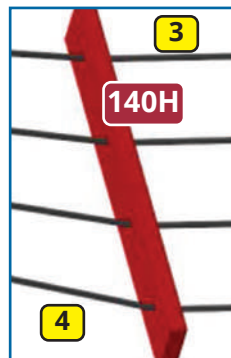
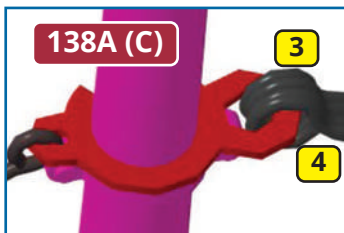
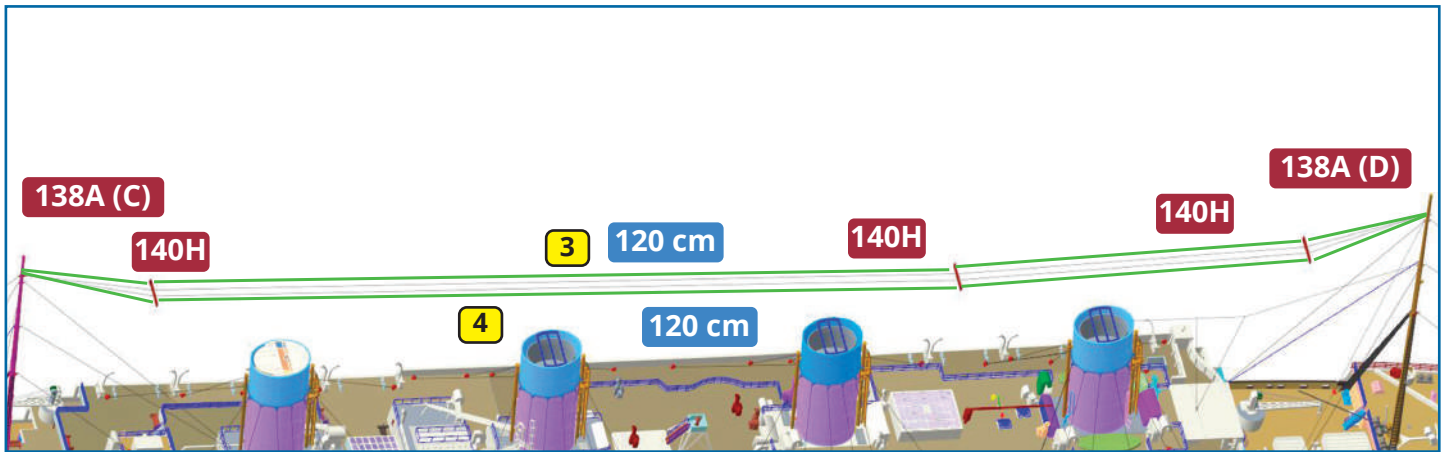


You may find it easier to fit the aerials if you have someone to help you. Keep the aerials at the correct height, near the top of the masts, so they do not get tangled up with features on the decks.



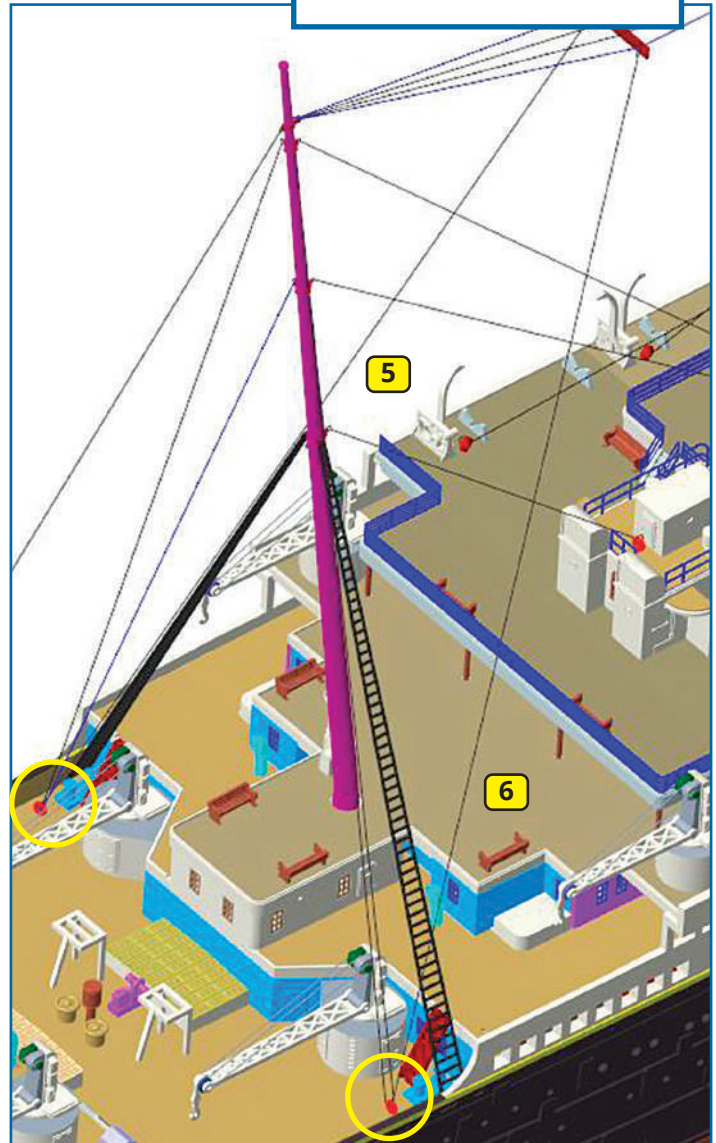
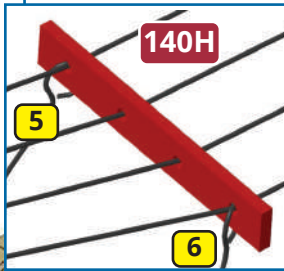
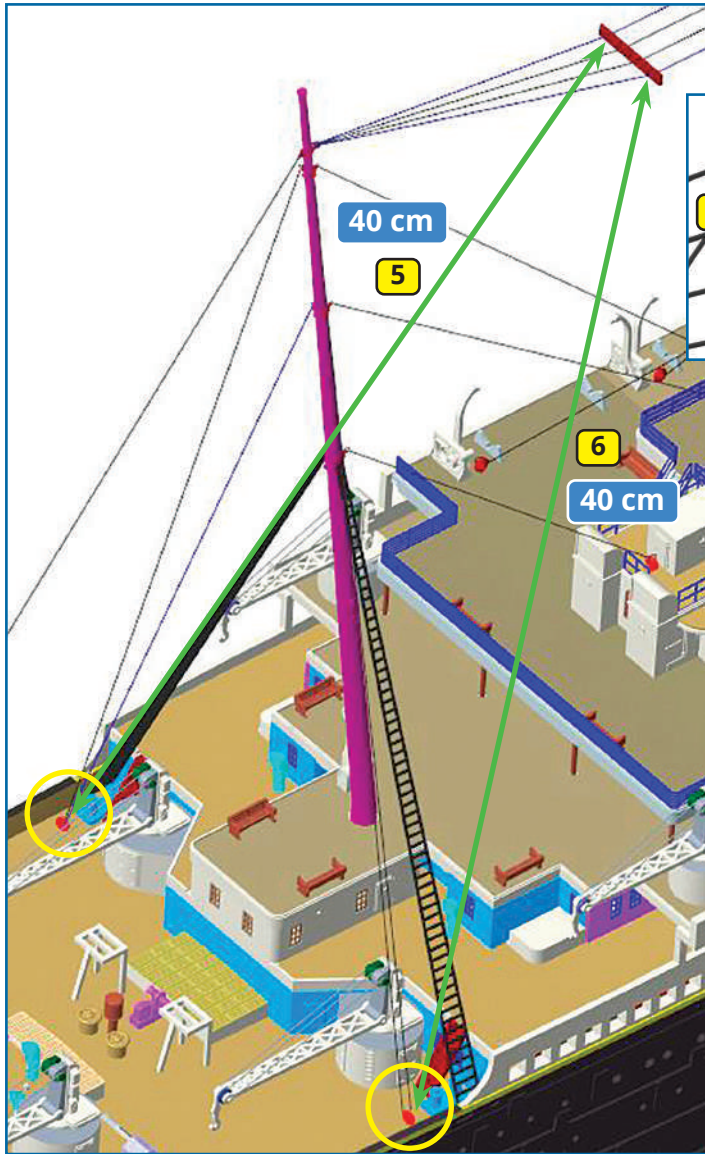
Aerials – Lines 1 and 2

Cut two 120cm lengths of nylon thread (supplied with issue 137). Tie one end of each of the lines to the eyelet at the front of ring **138A (C)** on the aft mast. Then thread the lines through the two central holes on the three spacers **140H** (supplied with issue 140). Tie the other ends of the lines to the eyelet on the back of ring **138A (D)** on the forward mast. Make sure the threads are taut so that the spacers are level and tied securely. Trim away any excess.



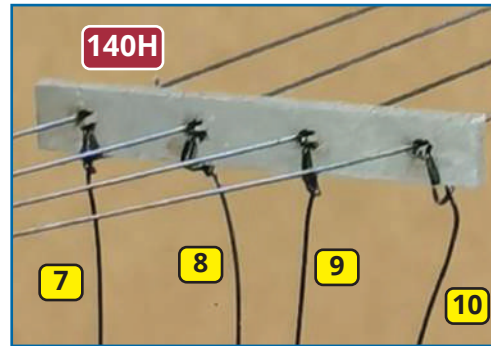
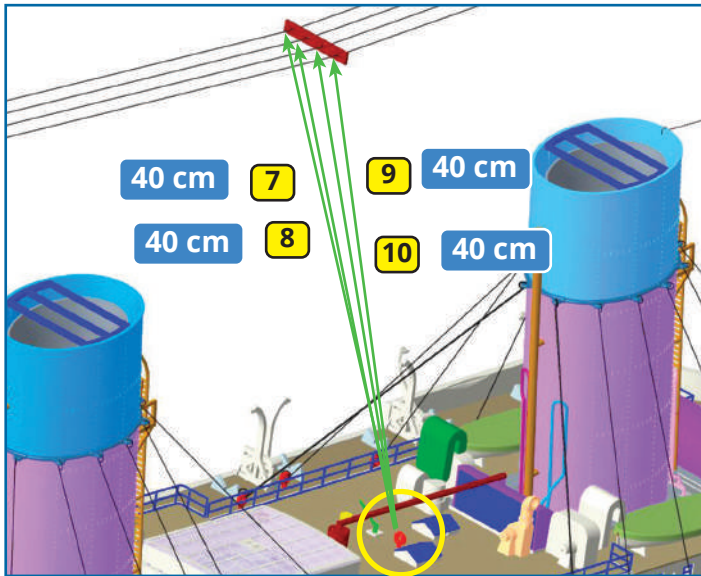
Aerials – Lines 3 and 4

Cut two 120cm lengths of nylon thread. Fit the lines in the same way as aerial lines 1 and 2, threading them through the outer holes of the spacers **140H**. Make sure they are tied securely and the spacers are level. Trim away any excess thread.



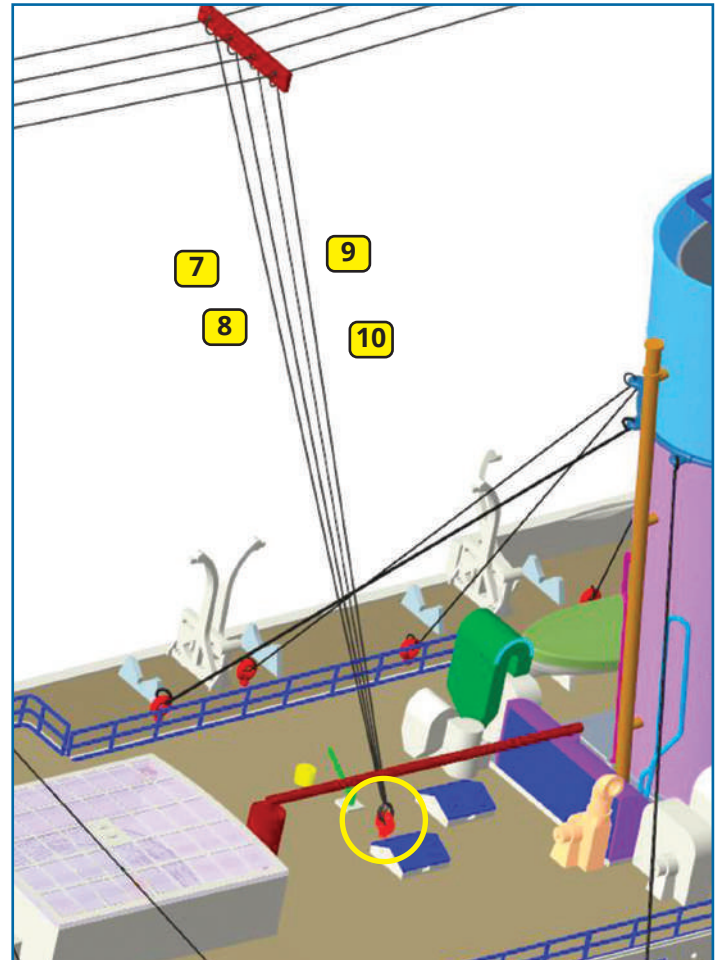
Aerials – Lines 5 and 6

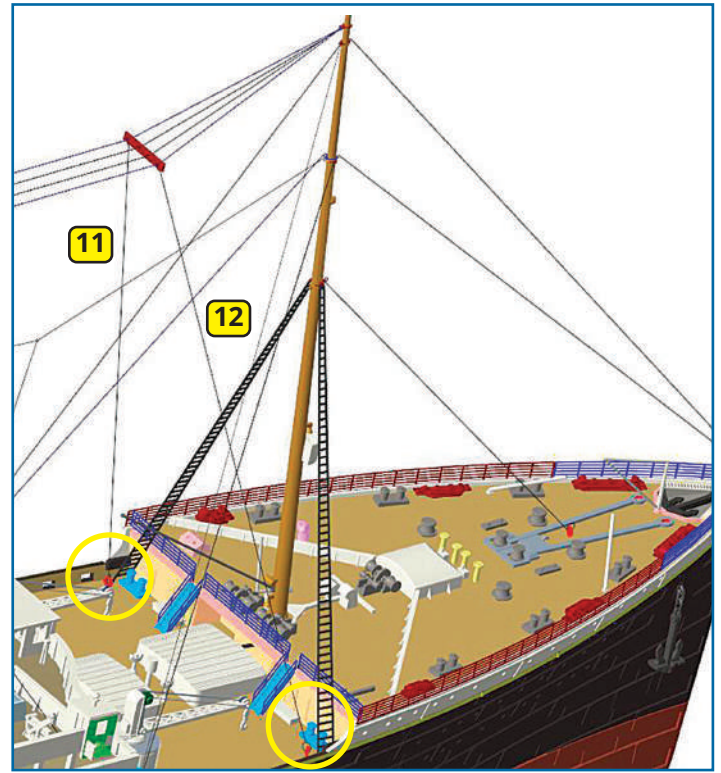
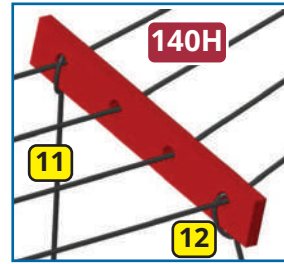
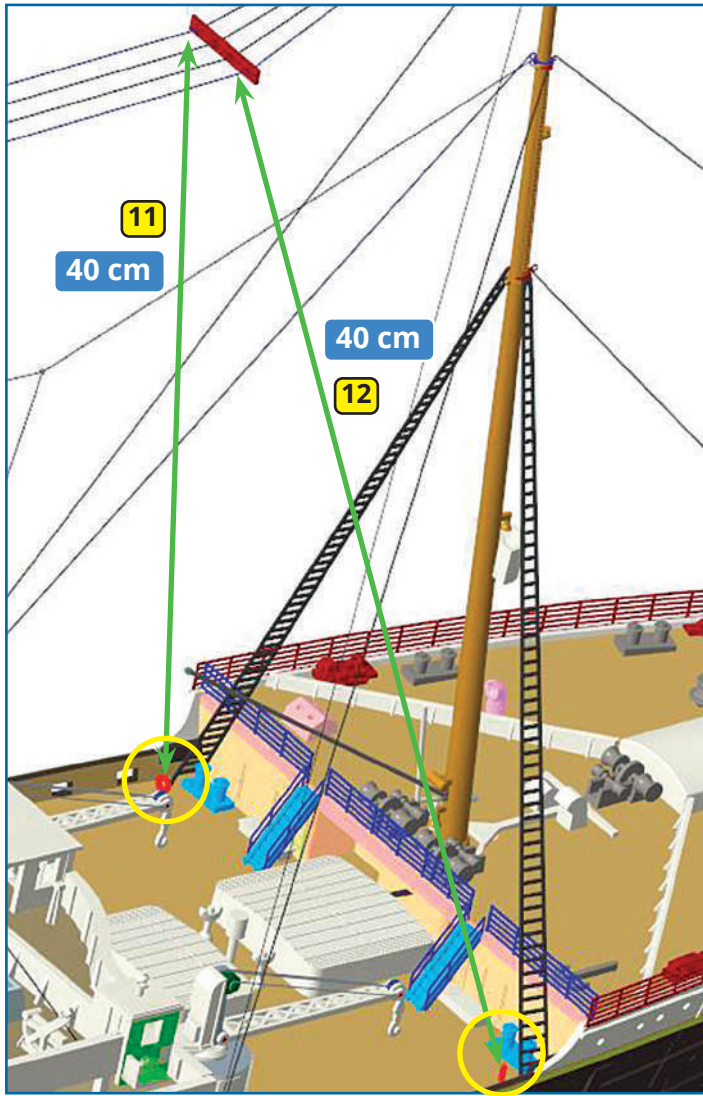
Cut two 40cm lengths of nylon thread. Tie one end of aerial line 5 to the outer hole on the aft spacer **140H** on the port side. Tie the other end to the screw eye on the aft well deck (near the crane, where aft mast line 3 was threaded through). Repeat to tie aerial line 6 on the starboard side (using the eyelet where aft mast line 4 was threaded through).



Aerials – Lines 7, 8, 9 and 10

Cut four 40cm lengths of nylon thread. Tie one end of each line to a different hole in the centre spacer **140H**. Tie the other to the screw eye between the first and second funnels. Ensure the lines are securely tied and trim away any excess.





Aerials – Lines 11 and 12

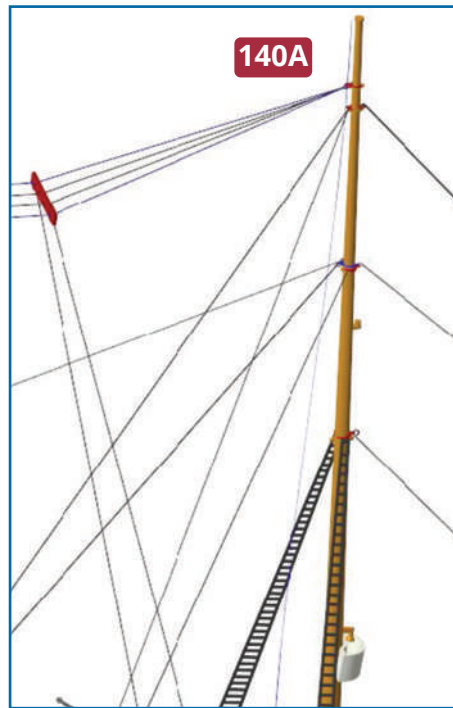
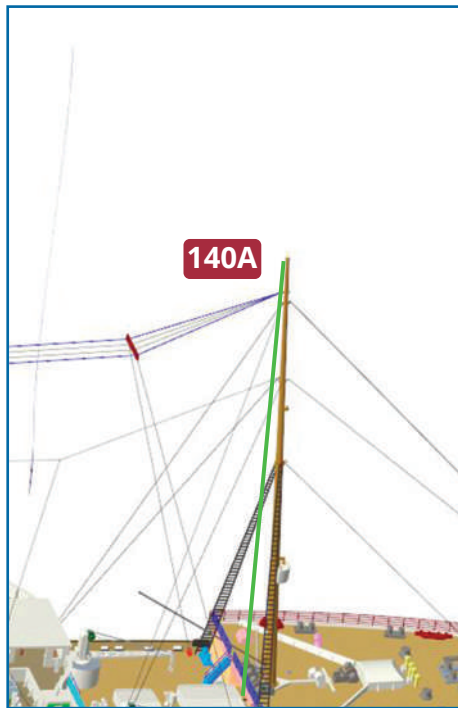
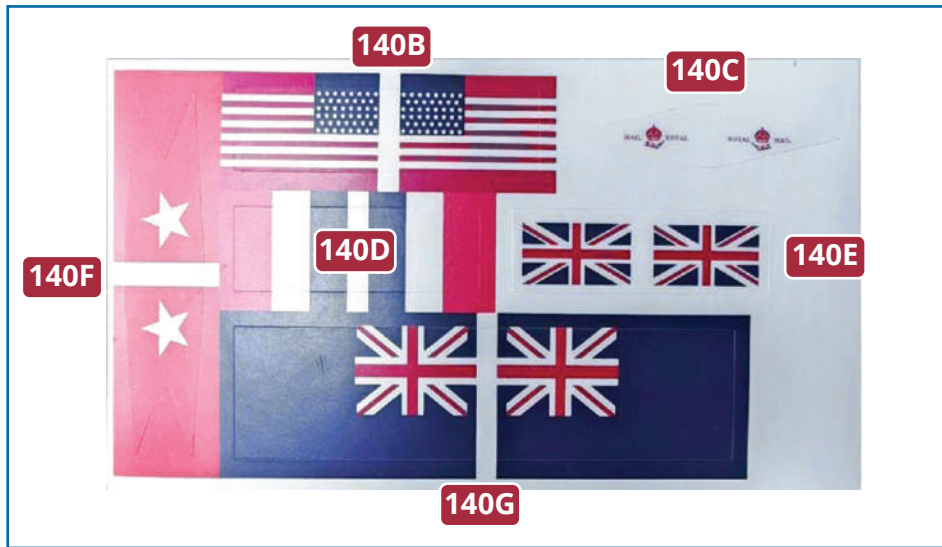
Cut two 40 cm lengths of thread. Tie one end of each line to the outer hole of the bow spacer **140H**. Tie the other end to the screw eyes on the forward well deck, beside the shrouds.

Ensure the lines are tied securely and trim away any excess. The photo below shows the rigging and aerials in place. When you are happy with the position of all the lines, use a little glue to hold rigging and aerials in place.



FLAGS

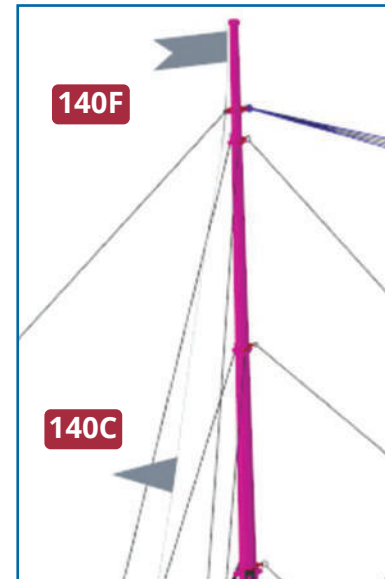
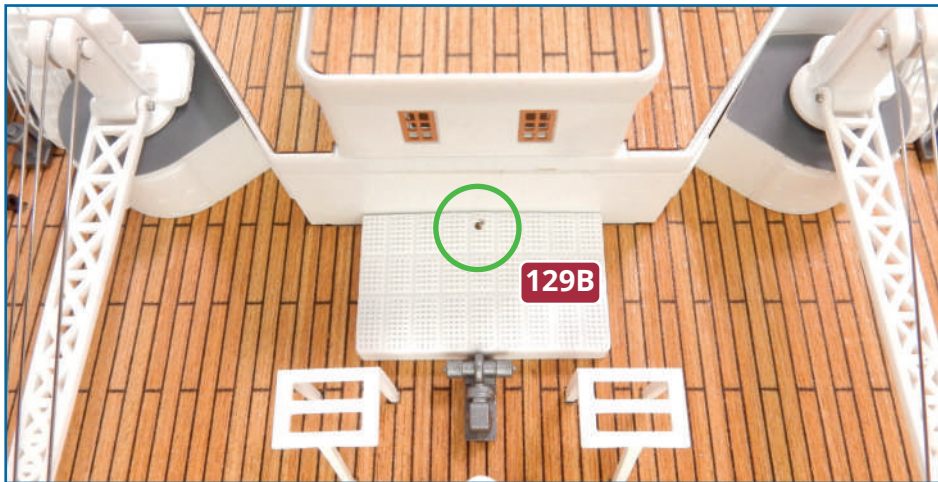
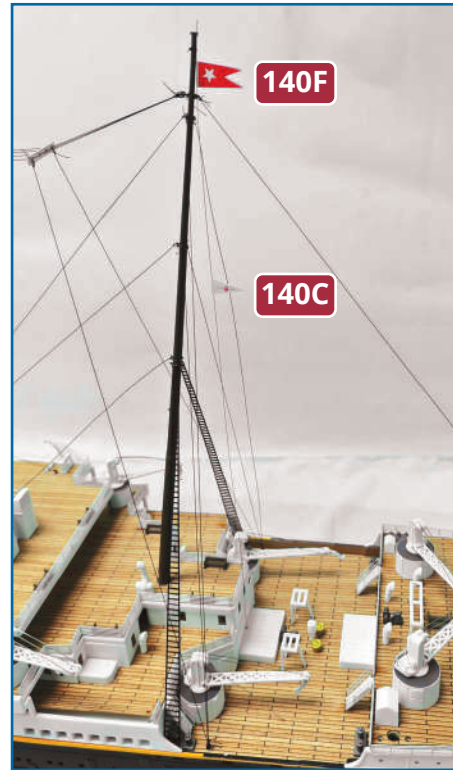
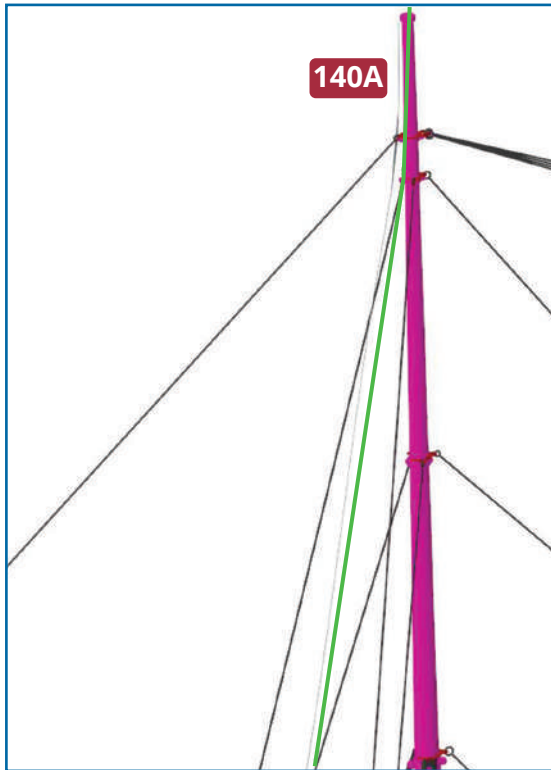
Read the instructions and check the tutorial before fitting the flags: once the flags are removed from the protective backing they must be stuck very accurately and cannot be adjusted.



Flags 140B or 140D

Take one of the wires for the flags **140A** (shown in green, above left). Use a short length of nylon thread to tie one end of the wire near the top of the forward mast, just above the top ring. Use a drop of glue to fix the other end in place on the top of the storage unit on the forward well deck, as shown in Tutorial 10. Attach either **140B** (US flag) or **140D** (French flag) to the top of the wire. Use another short length of nylon thread to tie the top of the wire to the top of the mast. Trim the top of the flag wire level with the top of the mast and trim away excess nylon thread.





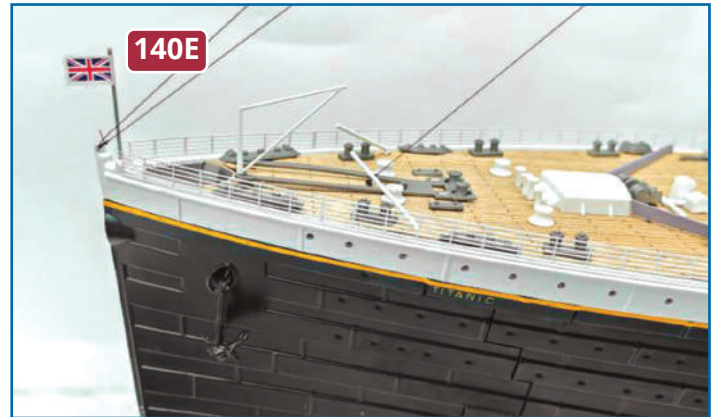
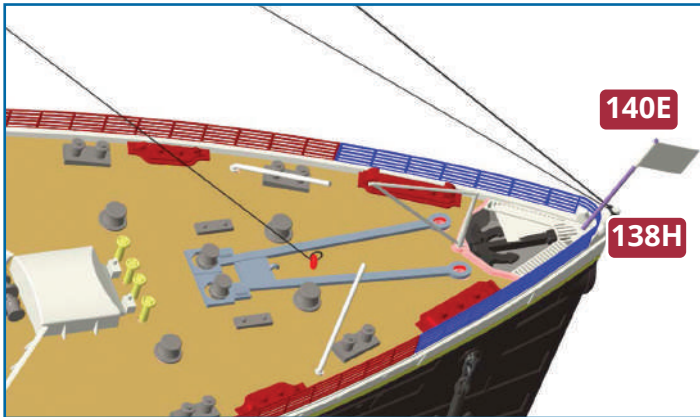
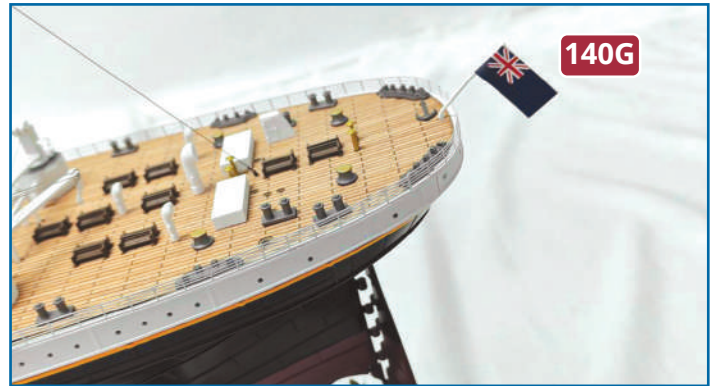
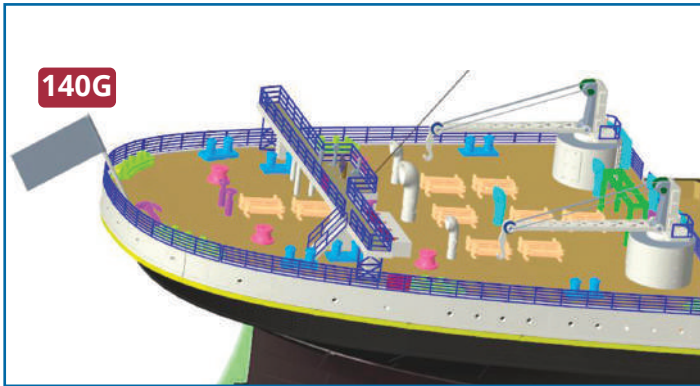
Flags 140F and 140C

Take the second wire for the flags **140A**. Tie the top of the wire to the aft mast, just above the top ring, as shown in Tutorial 11. Fit the lower end of the wire into the hole in part **129B** and use a little glue to hold it in place. Attach flags **140F** and **140C** to the wire in the positions shown (above right). Use another length of nylon thread to tie the top of the wire to the top of the mast. Trim the top of the flag wire level with the top of the mast and trim away excess nylon thread.

TUTORIAL 11

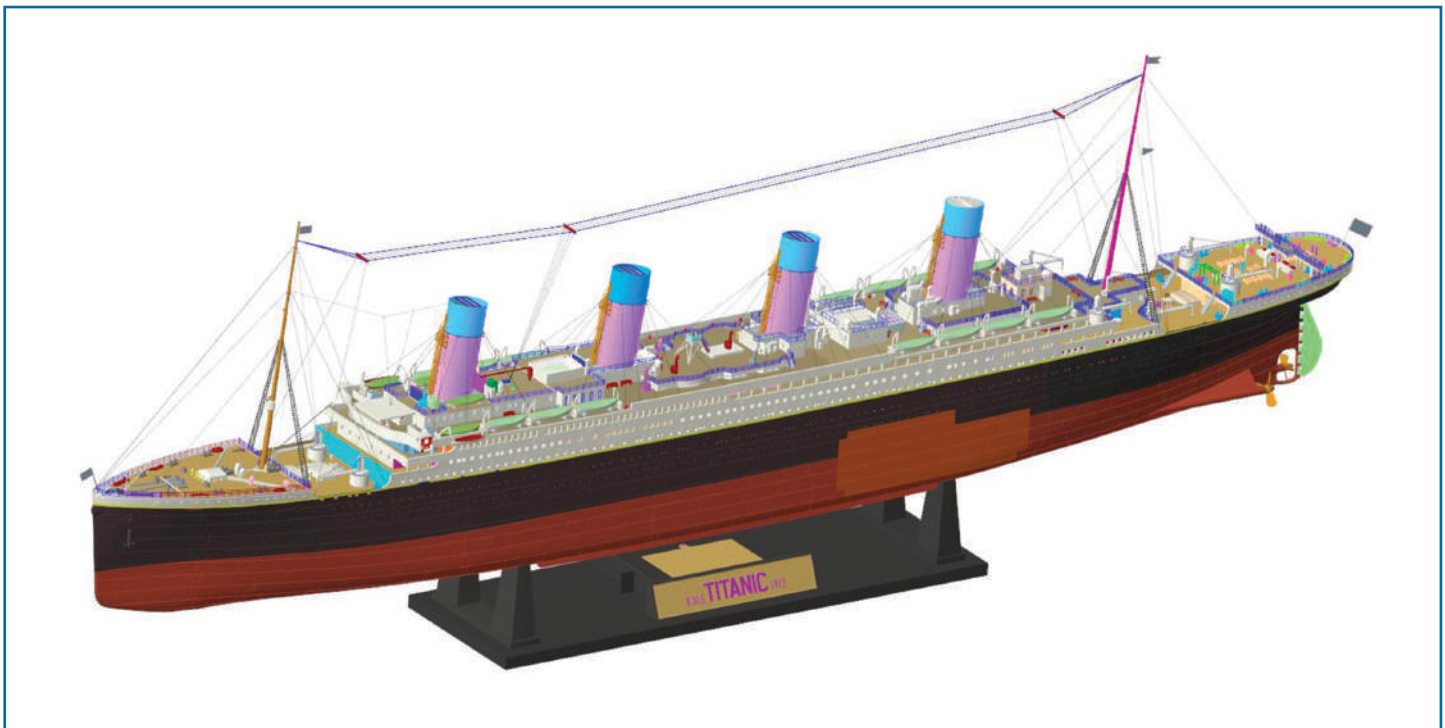


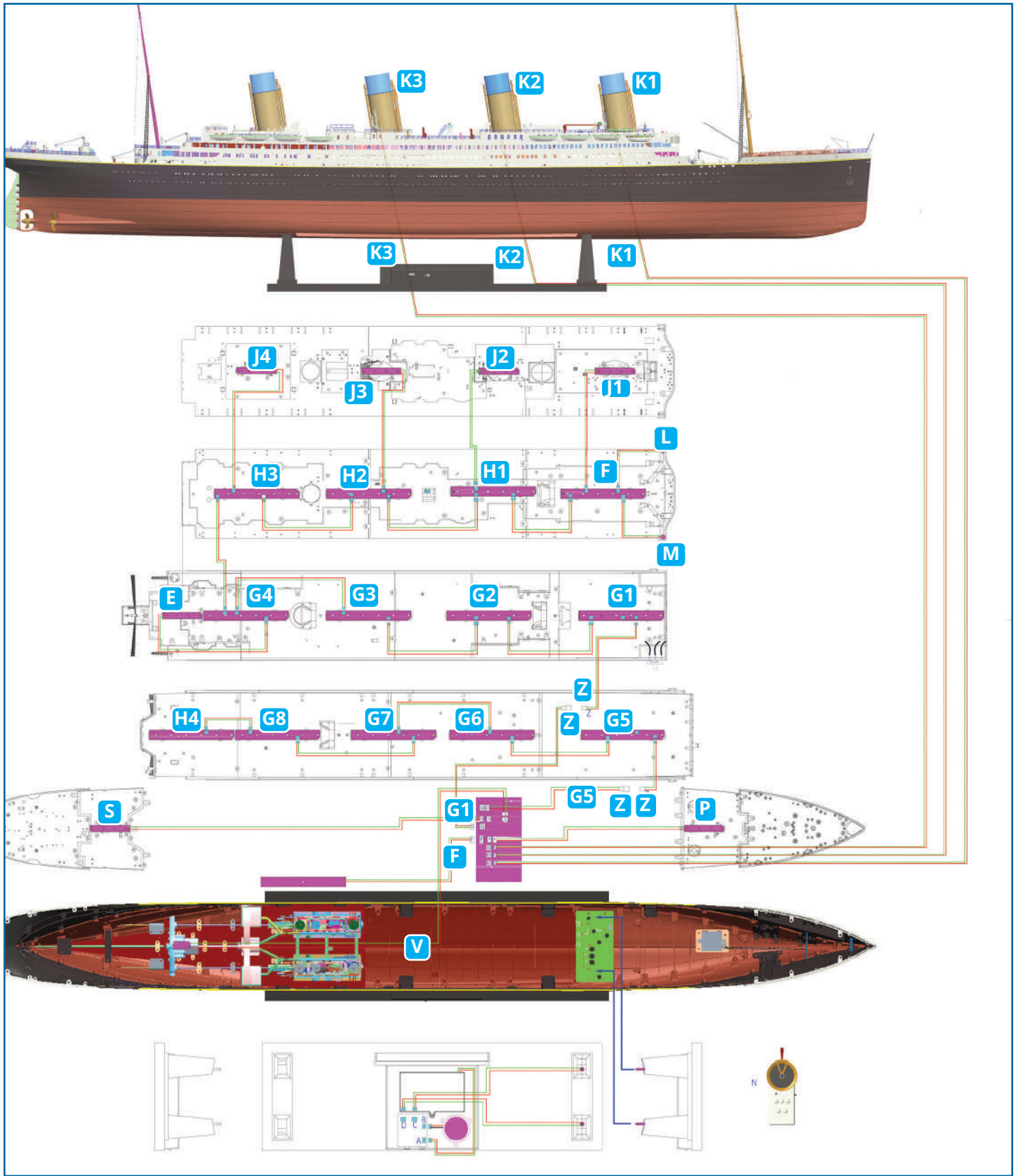
★ STEP-BY-STEP INSTRUCTIONS ★



Flags 140G and 140E

Fit flag **140G** on the aft flag pole and **140E** on the pole **138H** at the bow.





General wiring diagram

This diagram shows the positions of the electrical components and connections.