

BISMARCK

THE LEGENDARY BATTLESHIP



Pack 06 | Build Instructions

Your 1:200 scale model of the legendary battleship Bismarck is packed with intricate details which precisely replicate every aspect of this state-of-the-art warship. Each piece has been created using premium quality materials to bring maximum enjoyment during your complete build.

In your sixth model pack, you will assemble:

STAGE 57: THE FIRST 15CM TURRET AND A CIRCUIT BOARD

STAGE 58: MOTOR FOR THE FIRST 15CM TURRET

STAGE 59: THE NEXT HULL SECTION

STAGE 60: THE NEXT HULL SECTION

STAGE 61: SECOND 15CM GUN TURRET AND THE FUNNEL

STAGE 62: THE MOTOR FOR THE SECOND 15CM GUN TURRET

STAGE 63: TWO SEARCHLIGHTS FOR THE FUNNEL

STAGE 64: THE NEXT SECTION OF THE UPPER DECK

STAGE 65: TWO MORE SEARCHLIGHTS

STAGE 66: THE NEXT SECTION OF THE HULL

STAGE 67: THE THIRD 15CM GUN TURRET

STAGE 68: THE NEXT SECTION OF THE HULL

Advice from the experts

Spare screws are included with each part. Occasionally, you may be instructed to keep spare or unused screws for a later stage.

Keep these spares in a safe place and label them correctly.

Please make sure you don't mix up the screws. They look quite similar, but the threads do vary slightly. Using the wrong screws may damage the parts.

When securing parts together using multiple screws, fit each screw loosely to ensure all the parts are correctly aligned before gently tightening them firmly, but not overtight, in the order in which you placed them.

Your screwdriver can be magnetised by stroking it with a magnet (fridge magnet, etc.) enabling it to hold the screws and make assembly easier.

If a screw is tight going into a metal part, do not force it as you may shear the head off. Remove it and put a tiny smear of Vaseline, soap or light oil on the thread. That will lubricate it and make it easier to drive home.

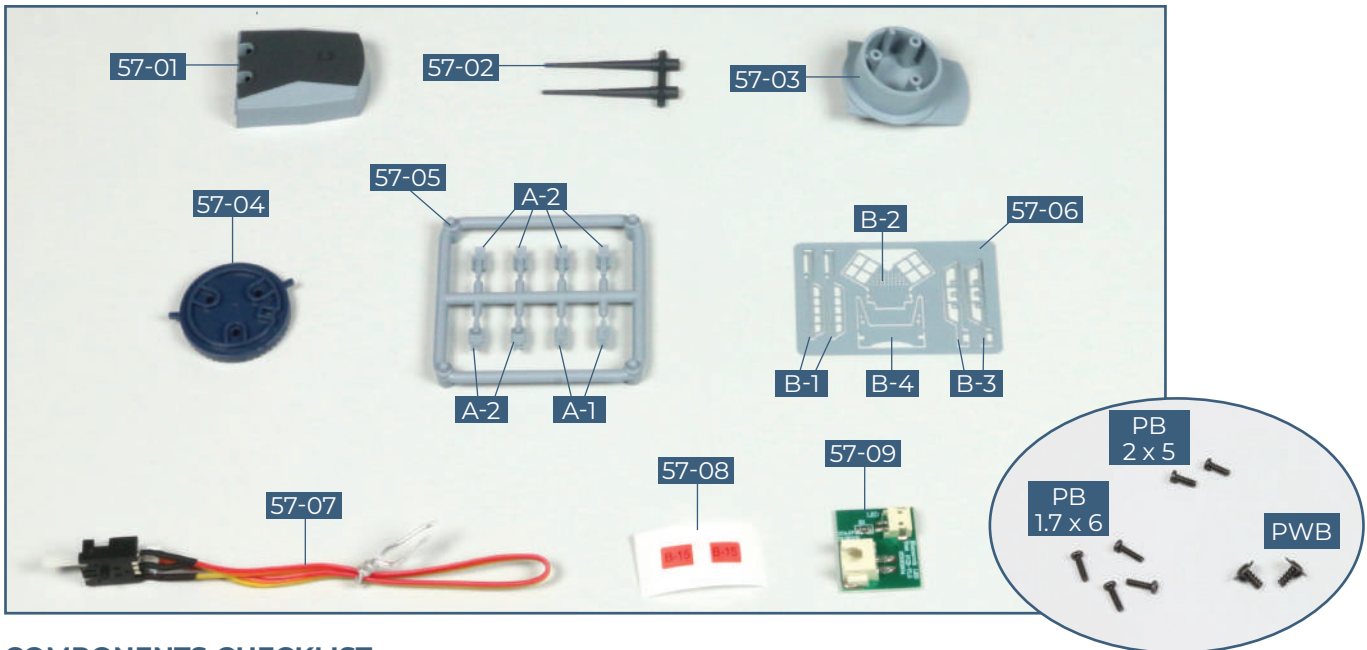
During the course of this build, you will receive many pieces that you will assemble immediately – following the instructions in the corresponding stage – and other pieces that you should store safely to one side, for use in future assembly stages.



Not suitable for children under the age of 14. This product is not a toy and is not designed for use in play. Keep the parts out of the reach of small children. Some parts may have sharp edges. Please handle them with care.

STAGE 57

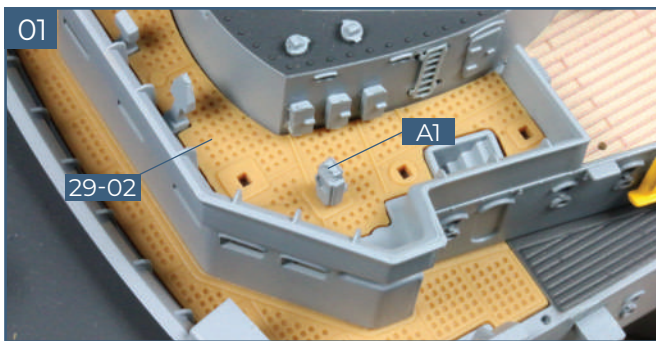
THE FIRST 15CM TURRET AND A CIRCUIT BOARD



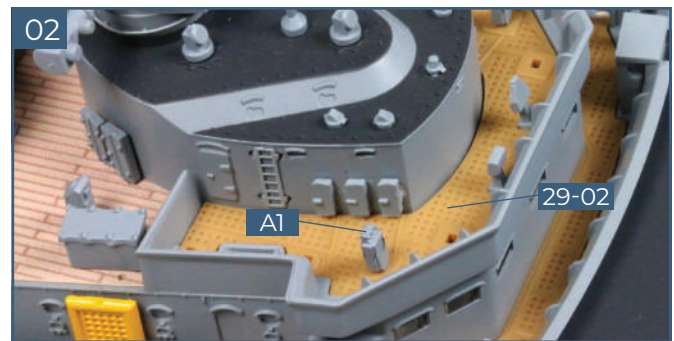
COMPONENTS CHECKLIST

- | | | |
|--|--|--------------------------------------|
| 57-01: Gun turret housing (Port I) | 57-05: Two artillery target finders (A1) and six searchlight directors (A2) | 57-08: Cable label |
| 57-02: 15cm gun barrels with cradle | 57-06: Mast support platform and antenna outriggers | 57-09: Circuit board |
| 57-03: Base of the 15cm gun turret | 57-07: Cable and switch | PB: Two 2 x 5mm PB screws |
| 57-04: Cog | | PB: Four 1.7 x 6mm PB screws |
| | | PWB: Two 2.3 x 4mm PWB screws |

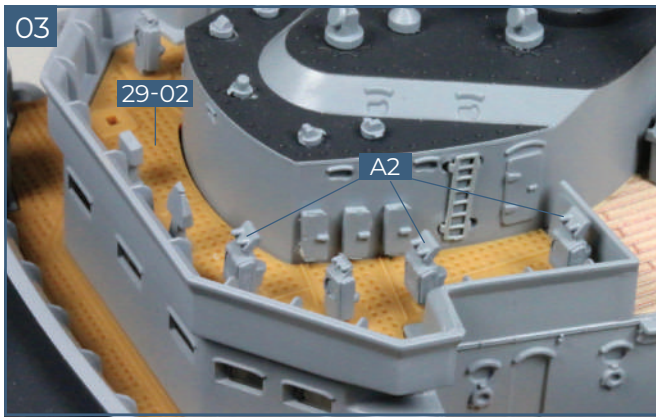
01. FITTING THE ARTILLERY TARGET FINDERS AND SEARCHLIGHT DIRECTORS



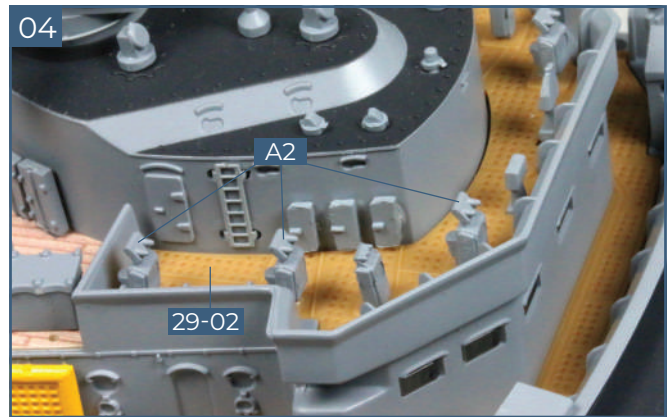
01 Cut the two artillery target finders **A1** from frame **57-05**. Take the forward superstructure assembly and use a little superglue to fix one of the target finders **A1** to the port side of decking **29-02** as shown.



02 On the starboard side of the superstructure, glue the second target finder **A1** to the decking **29-02** as shown.

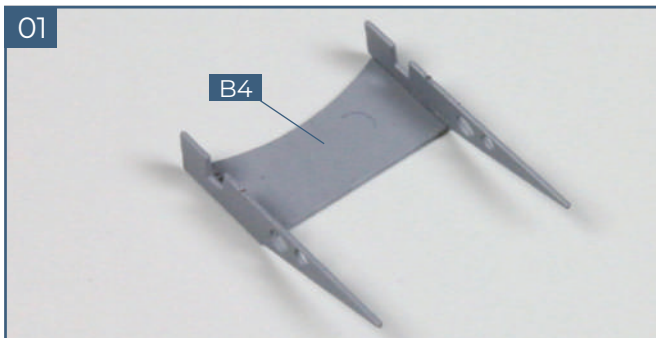


Cut the six searchlight directors **A2** from frame **57-05**. Fix three to the port side of the superstructure, gluing them into the recesses in decking **29-02** as shown.

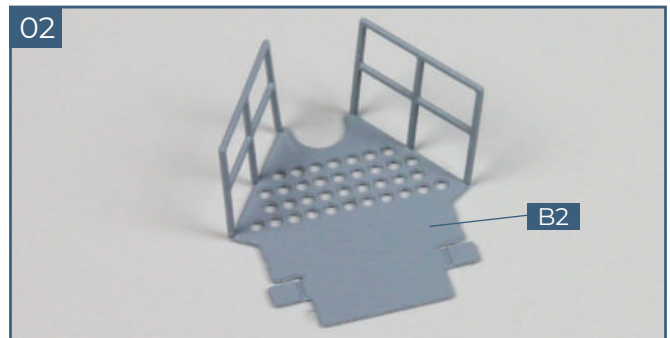


Glue the remaining three searchlight directors **A2** in place in the recesses on the starboard side of decking **29-02** as shown.

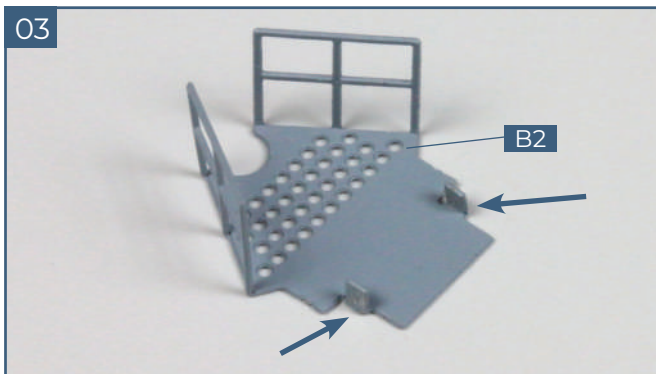
02. DETAILS FOR THE FORWARD SUPERSTRUCTURE



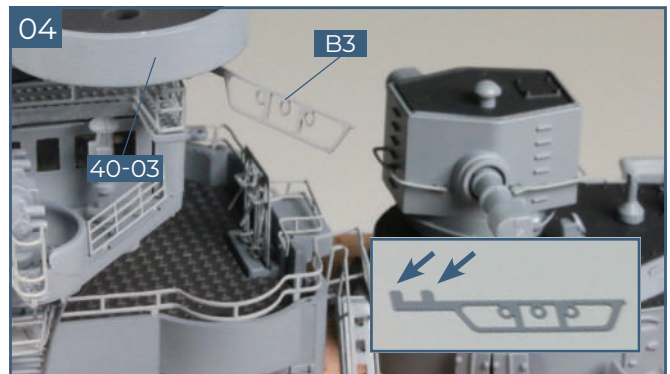
Cut part **B4** from frame **57-06**. Bend the sides up at right angles, as shown.



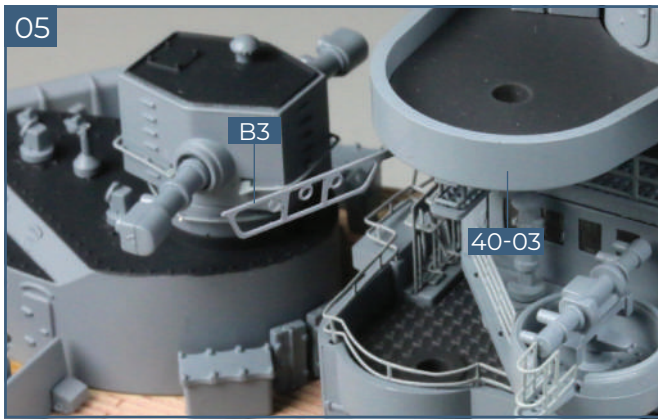
Cut the platform **B2** from frame **57-06**. Bend the railings up at right angles, as shown.



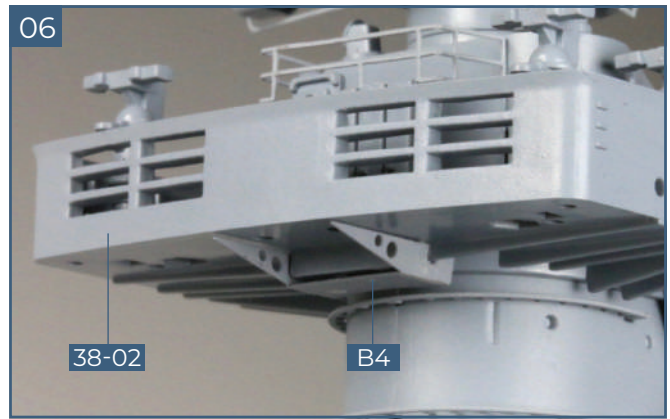
There are two tabs at the sides of the floor of platform **B2**. Bend them up at right angles, as shown (arrows).



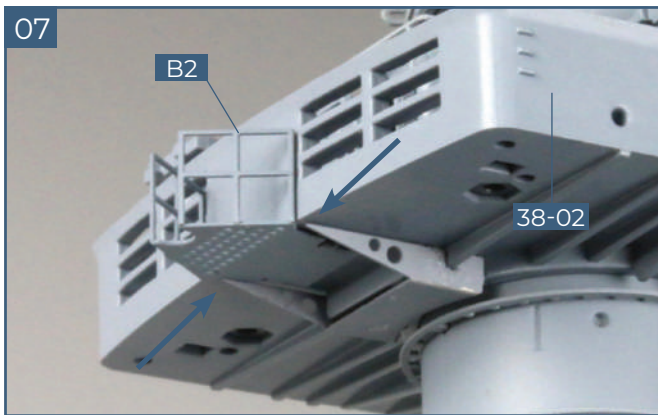
Cut the antenna outriggers **B3** from the frame **57-06**. There are two small pegs on the end of the part (inset, arrows). Find the matching holes in the underside of the searchlight platform **40-03** on the starboard side. Apply a little superglue to the pegs and fix in place.



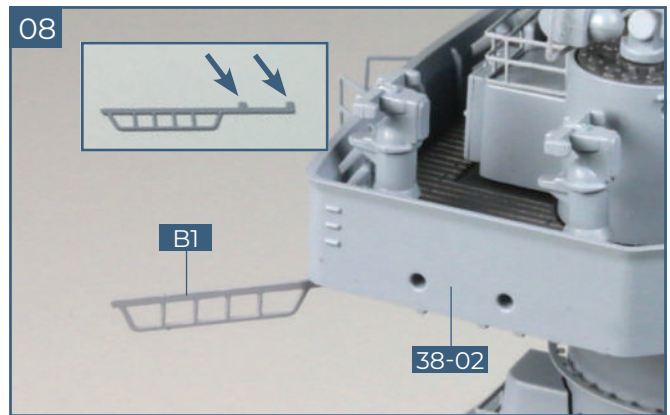
Repeat to fix the second antenna outrigger **B3** to the underside of the searchlight platform **40-03** on the port side.



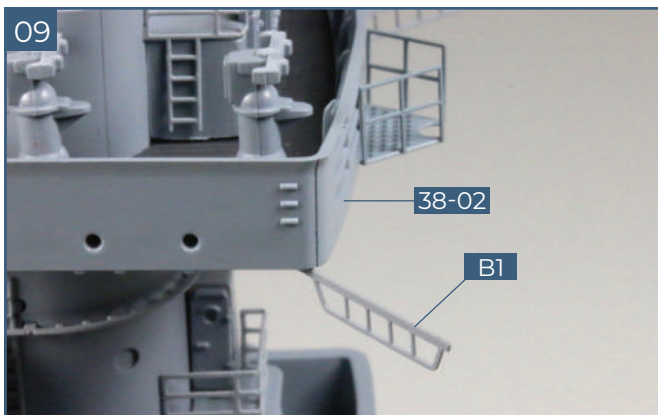
Fit the support **B4** to the underside of the foretop gallery **38-02** so that the straight edge of the tapered sides is flush with the underside of the gallery, as shown. When you are happy with the fit, apply a little superglue and fix in place.



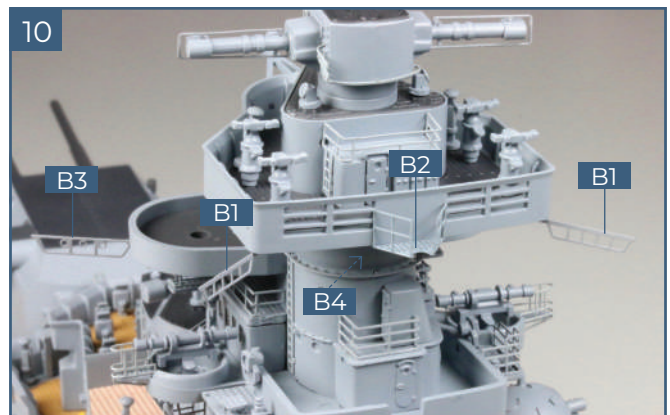
Fit the floor of the platform **B2** to the underside of the foretop gallery **38-02**, between the tapered sides of the support **B4**, as indicated by the arrows. When you are happy with the fit, apply superglue to the flat floor surface and fix in place.



Cut the two antenna outriggers **B1** from the frame **57-06**. Note the two pegs on the end (inset) and identify two matching recesses on the underside of the foretop gallery **38-02** on the aft starboard corner. Apply a little superglue to the pegs and fix in place.

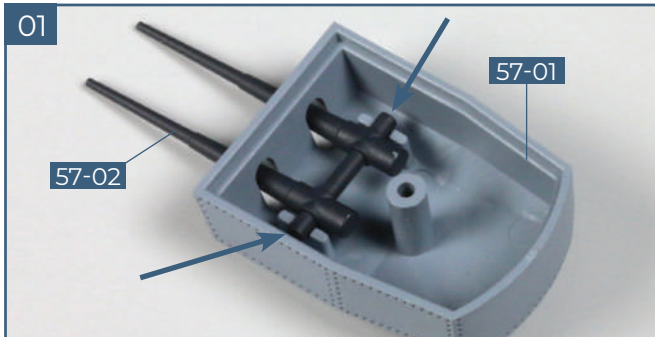


Repeat to fix the second outrigger **B1** to the underside of the aft port corner of the foretop gallery **38-02**.

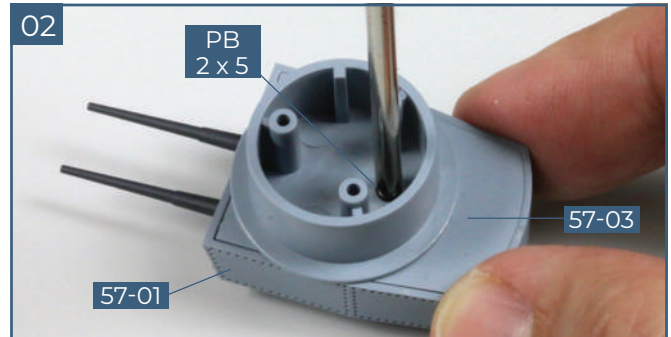


This view of the superstructure shows the details from frame **57-06** in place.

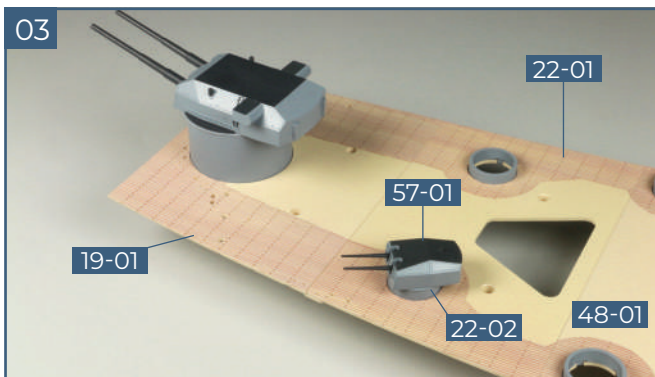
03. ASSEMBLING AND FITTING THE FIRST 15CM GUN TURRET



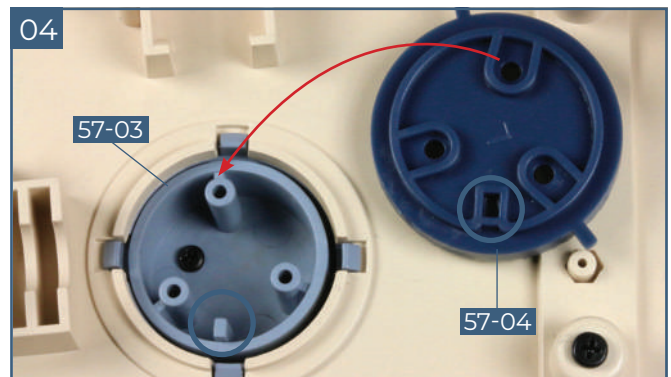
Turn the gun turret housing **57-01** upside down and insert the gun barrels **57-02** through the two openings in the housing. The ends of the cradle should rest in the supports (arrows).



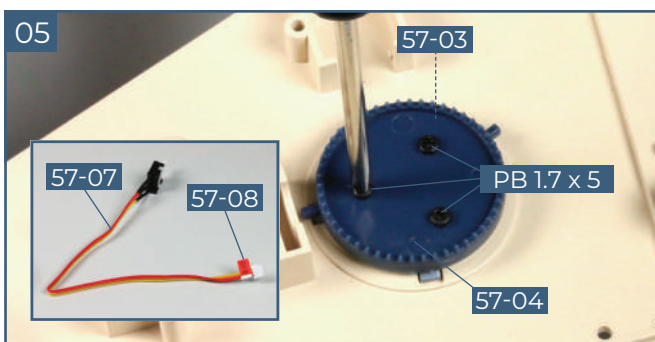
Fit the base of the turret **57-03** over the housing. Fix in place with a single **PB 2 x 5**mm screw.



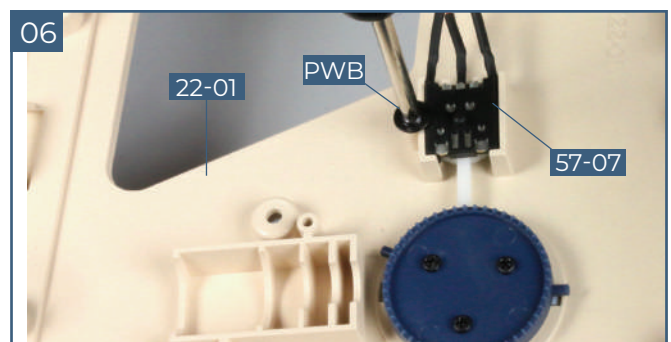
Take the upper deck structure **19-01/22-01/48-01**. Fit the 15cm gun turret base **57-01/57-02** on the port barrette **22-02** as shown.



Carefully holding the 15cm gun turret in place, turn the deck over. Fit the cog **57-04** onto the gun turret base **57-03** as shown (arrow), so that the screw holes are aligned and the peg on the cog fits into the recess in the base (circled in blue).

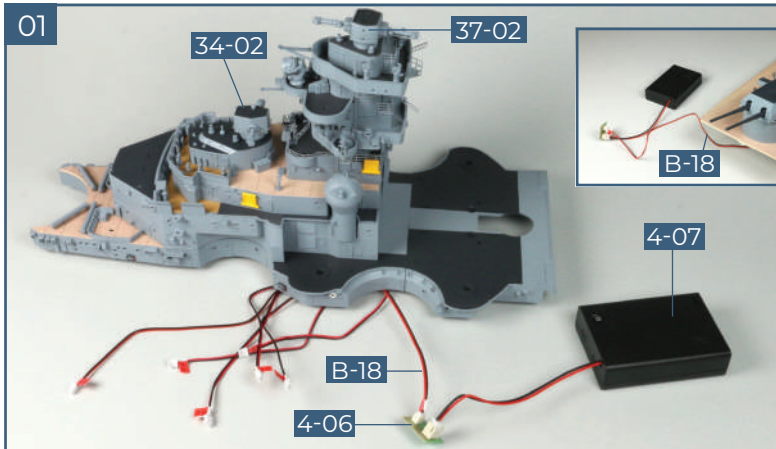


Fix the cog **57-04** to the base **57-03** with three 1.7 x 6mm **PB** screws. Wrap the cable label **57-08** round the end of the cable **57-07** close to the connector as shown (inset).

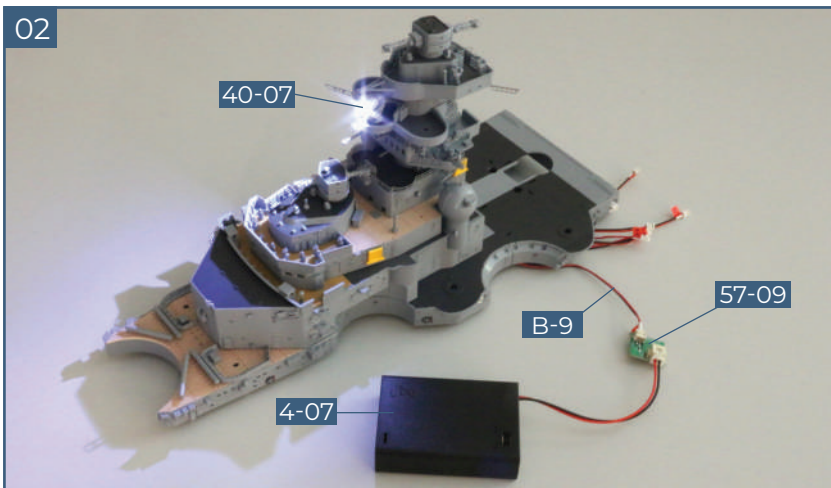


Fit the switch into the recess on the underside of the upper deck **22-01**. Fix in place with a single **PWB** screw, as shown.

04. TESTING THE MOTORS AND LIGHTS

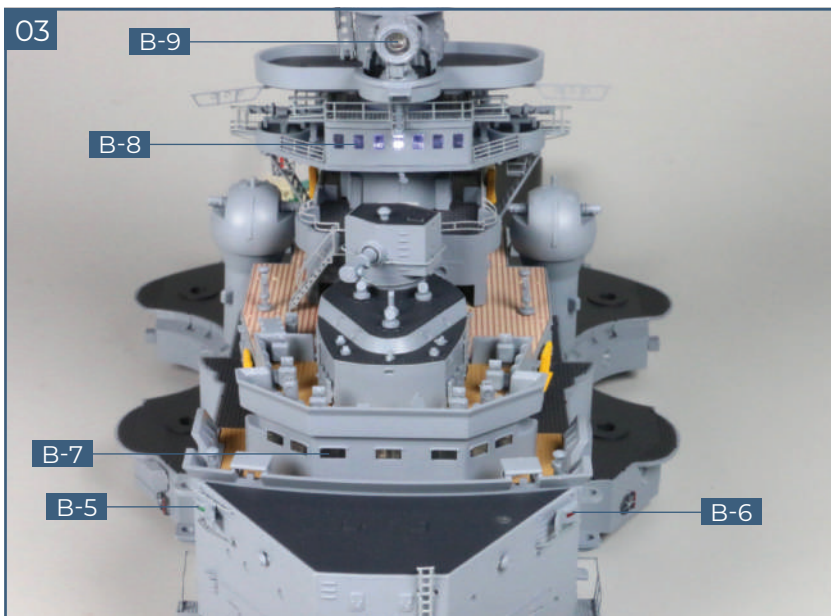


First, we test the two radar units, **34-02** and **37-02**. In order to do this, connect the battery box **4-07** to the circuit board **4-06**. Plug the cable marked **B-18** into the free socket on the circuit board **4-06**. Now switch the battery box to "On". The radar unit **37-02** will turn. Switch off the battery box before proceeding. Connecting cable **B-19** to the circuit board **4-06** turns the radar unit **34-02**. You can also test the firing of the second 38cm gun turret by plugging the cable marked **B-21** into the circuit board (inset).



NOTE: Extreme care is needed when testing the LED lights. Only connect them to the new circuit board **57-09**, otherwise permanent damage could occur.

Next, we test the lights of the forward superstructure. With the battery box switched off, remove the circuit board **4-06** and plug in the circuit board **57-09**. Plug the cable marked **B-9** into the free socket on the circuit board. Now switch on the battery box: the searchlight **40-07** comes on. Switch off the battery box before continuing.



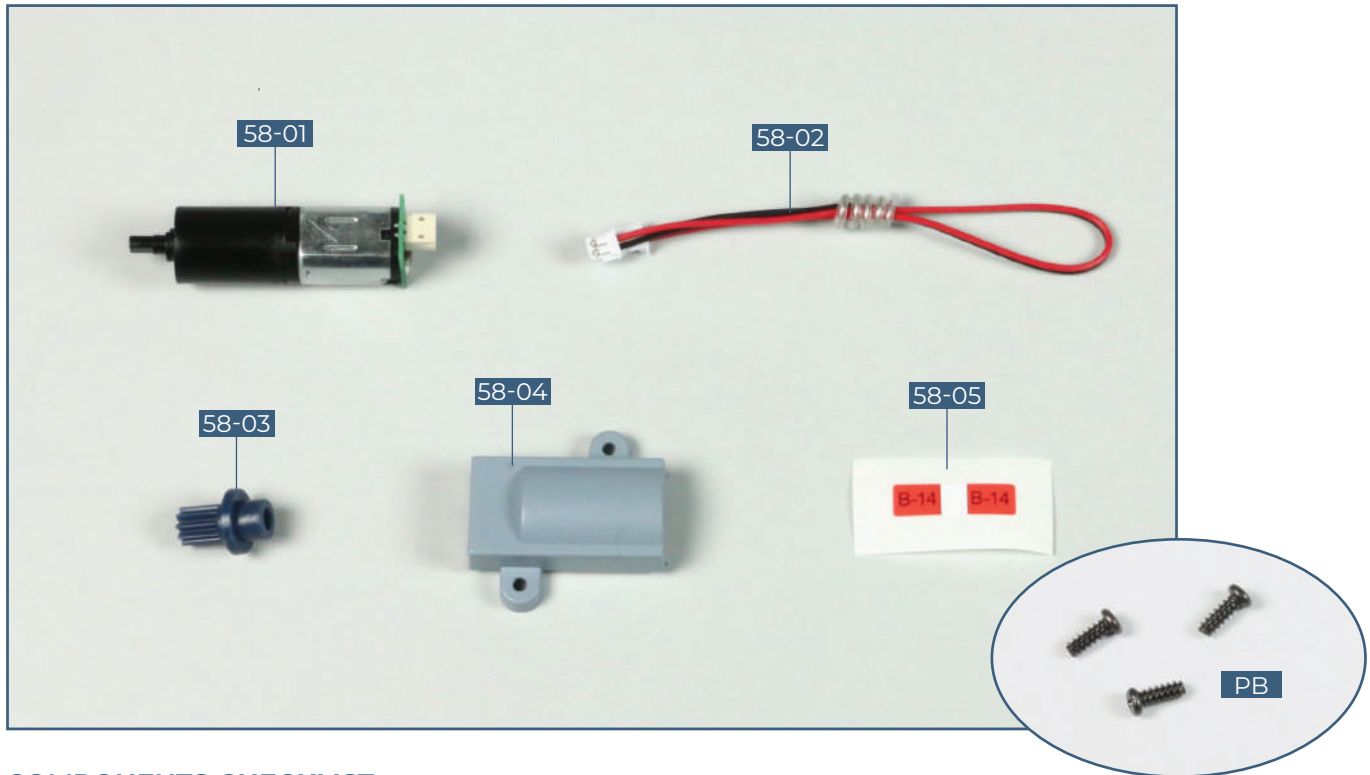
Next we test the lights of the forward superstructure. It is essential that this is only done with the new circuit board **57-09**. By plugging different cables into the circuit board **57-09**, different lights can be switched on, as follows:

- B-5:** Green navigation light
- B-6:** Red navigation light
- B-7:** Bridge light
- B-8:** Lights on the admiral's bridge
- B-9:** Searchlight

NOTE: Always switch off the power supply when connecting or disconnecting cables.

STAGE 58

MOTOR FOR THE FIRST 15CM TURRET



COMPONENTS CHECKLIST

58-01: Motor (controls the rotation of the gun)

58-02: Cable for the motor

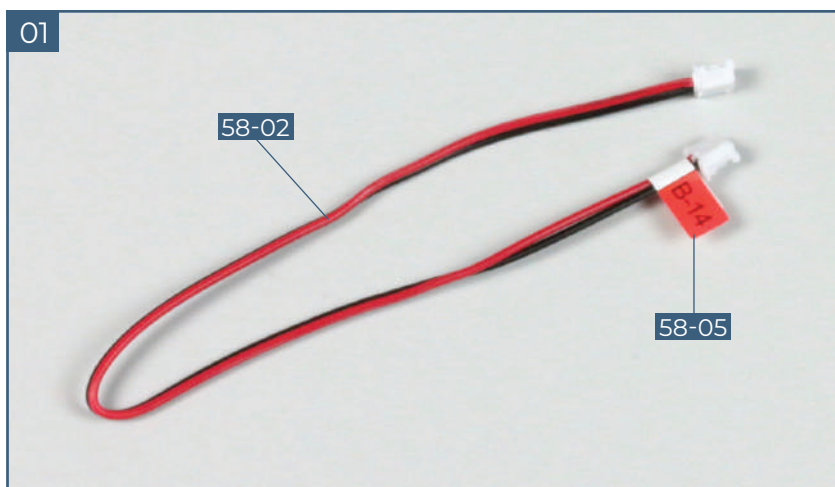
58-03: Cog

58-04: Motor housing

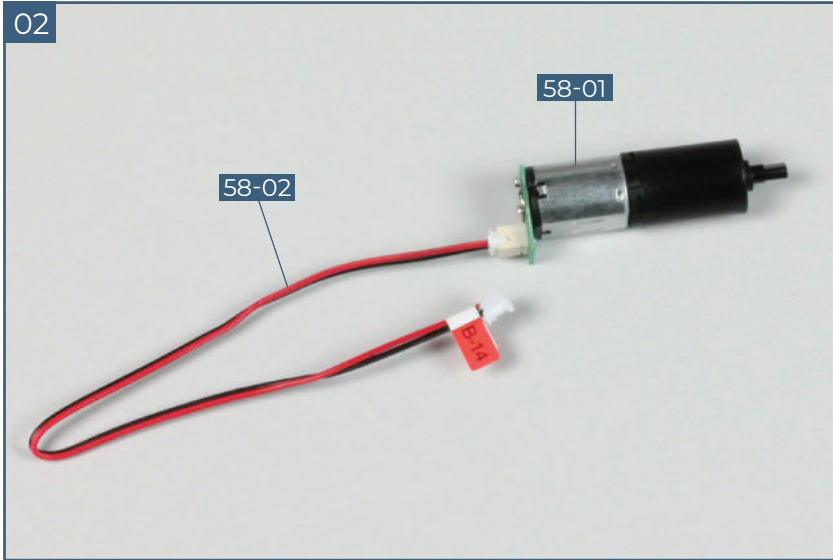
58-05: Cable label

PB: Three 2 x 5mm PB screws

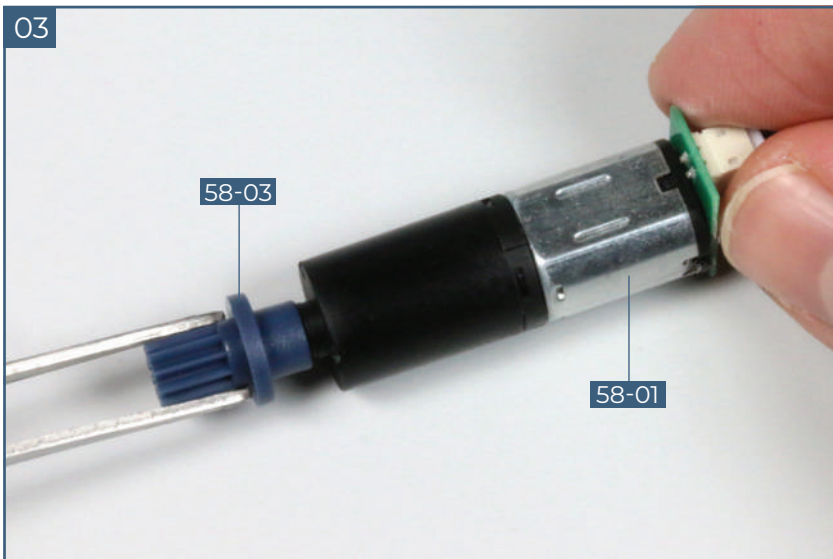
01. FIXING THE MOTOR TO THE UPPER DECK



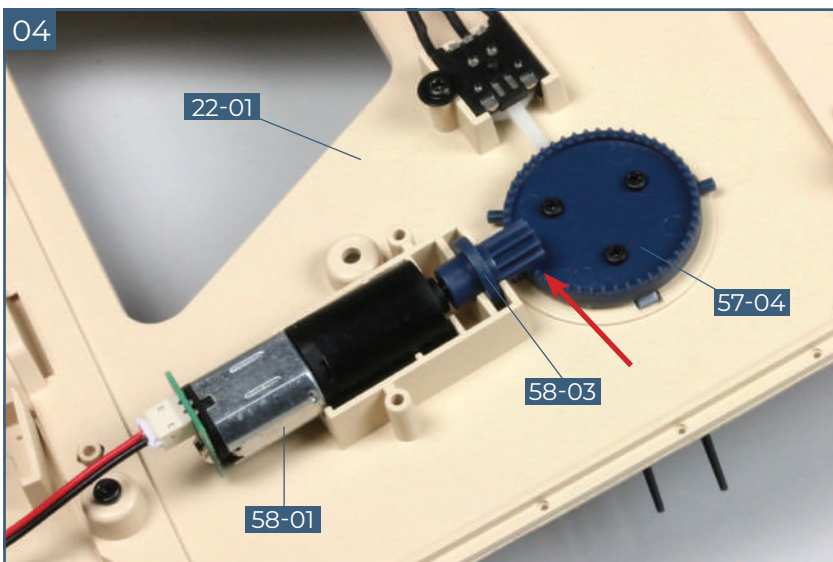
Take the cable **58-02** and the cable label **58-05**. The plug at one end will connect to the motor and the other should be labelled with part 58-05. The plugs at each end of the cable are identical.



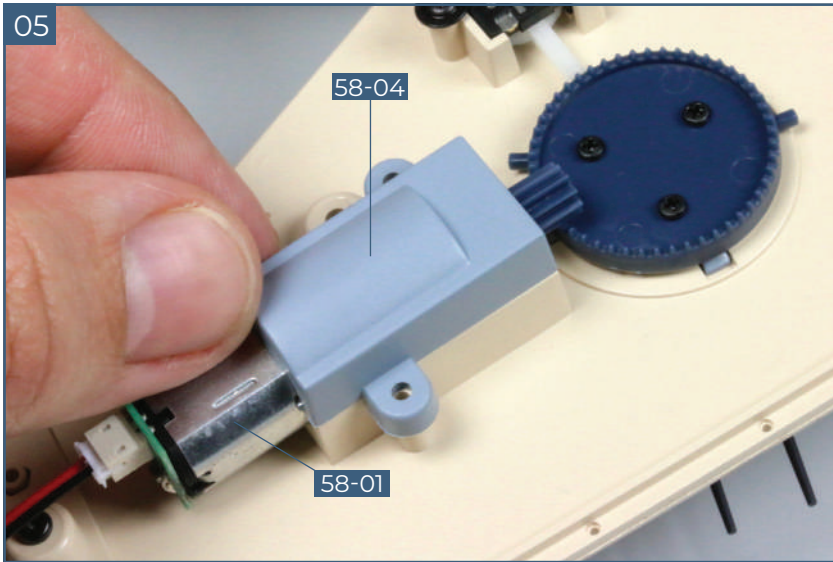
Fit the unmarked end of the connector on cable **58-02** into the socket of the motor **58-01** as shown.



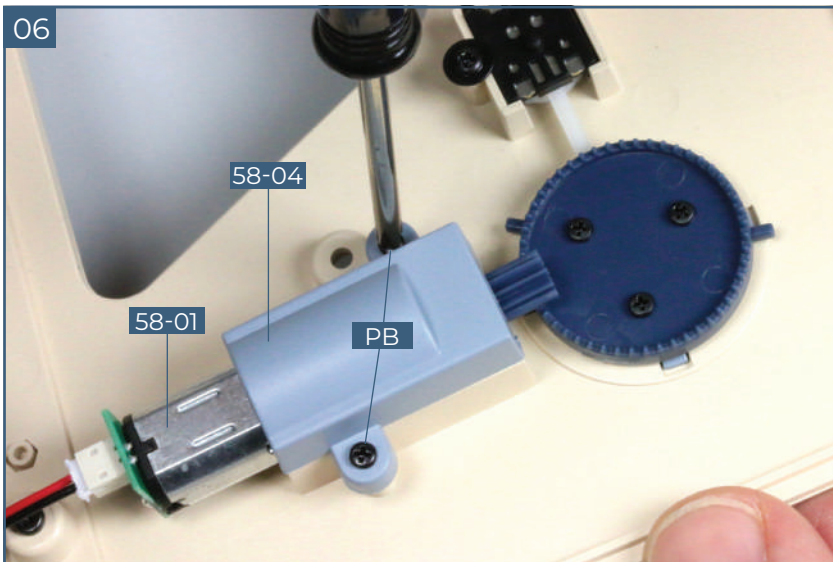
Fit the drive cog **58-03** onto the shaft of the motor **58-01** with the ribs of the cog away from the motor, as shown. The cog is quite a loose fit on the shaft of the motor.



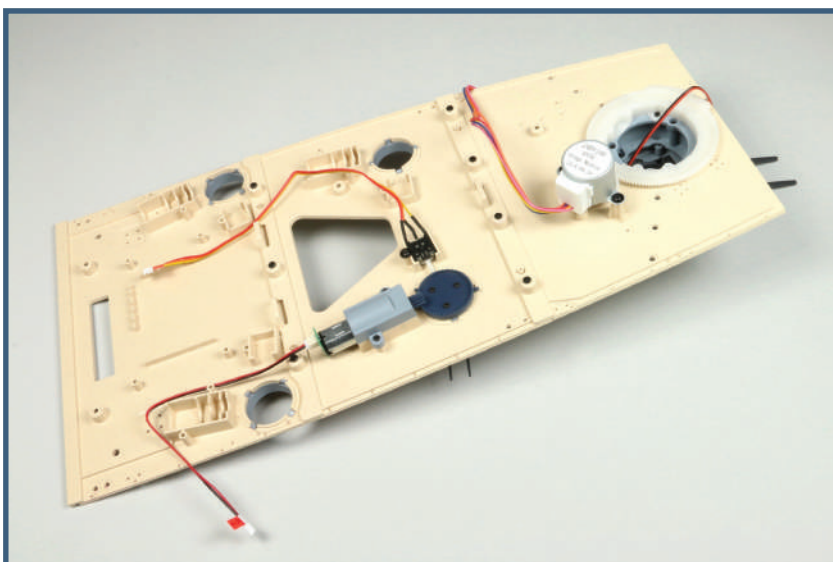
Take the upper deck assembly **19-01/22-01/48-01** from the previous stage and carefully turn it upside down. Fit the motor **58-01** into the recess on the underside of the deck section **22-01**. Ensure that the two cogs are properly engaged (arrow).



Fit the housing **58-04** over the motor **58-01** so that the screw holes in the housing are aligned with the sockets in the upper deck, as shown.



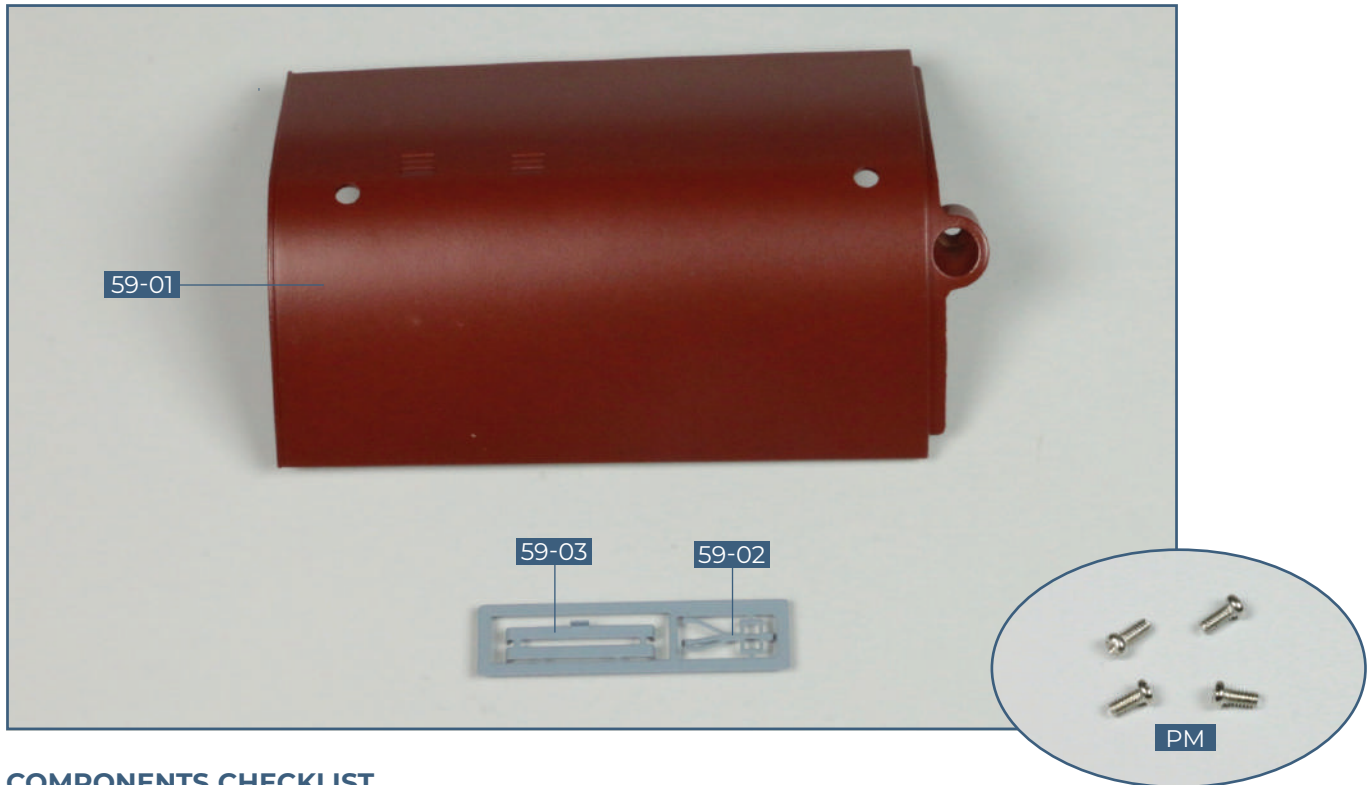
Fix the housing in place with two **PB** screws.



Completed work

The motor that controls rotation of the first 15cm gun turret has been fitted to the underside of the upper deck.

STAGE 59 THE NEXT HULL SECTION



COMPONENTS CHECKLIST

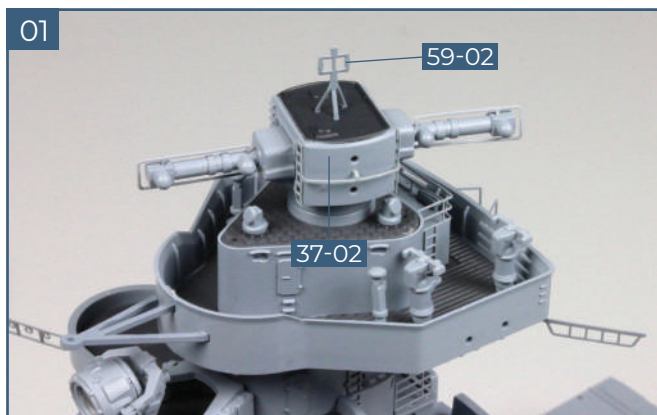
59-01: Lower port hull section

59-02: Mooring manoeuvre light

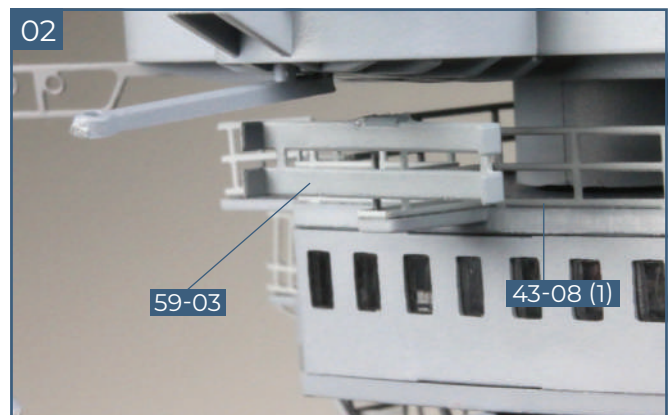
59-03: Framework

PM: Four 2 x 4 PM screws

01. ADDING DETAILS TO THE FORWARD SUPERSTRUCTURE

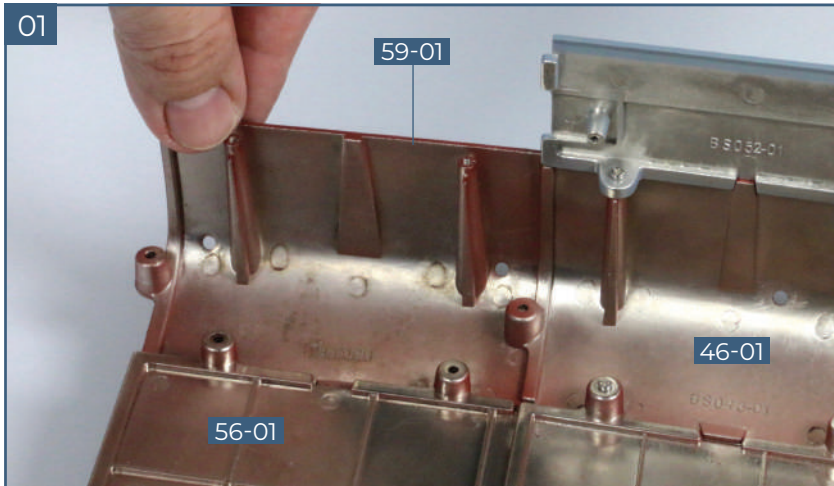


Remove part **59-02** from the frame. Check the fit on top of the radar unit **37-02** on the foretop gallery. Apply a tiny bit of superglue to the feet of the mooring manoeuvre light **59-02** and fix in place.

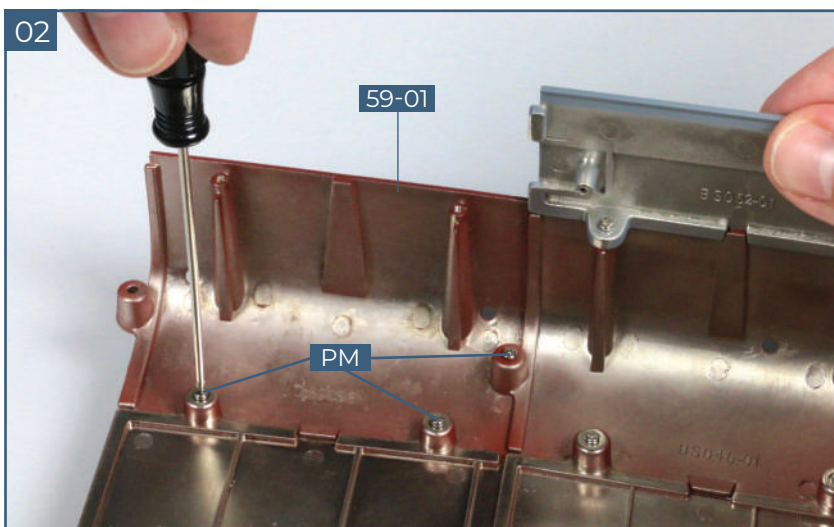


Take part **59-03** and position it across the central railings **43-08 (1)** which protrude from the front of the lower searchlight deck, above the bridge. The centre tab on part **59-03** is fitted to the top of the railings. When you are happy with the fit, glue it in place.

02. FITTING THE NEXT HULL SECTION



Place the hull assembly on your work surface. Take the lower port hull section **59-01** and fit it in place so that the raised screw sockets fit into the sockets on parts **46-01** and **56-01** as shown.



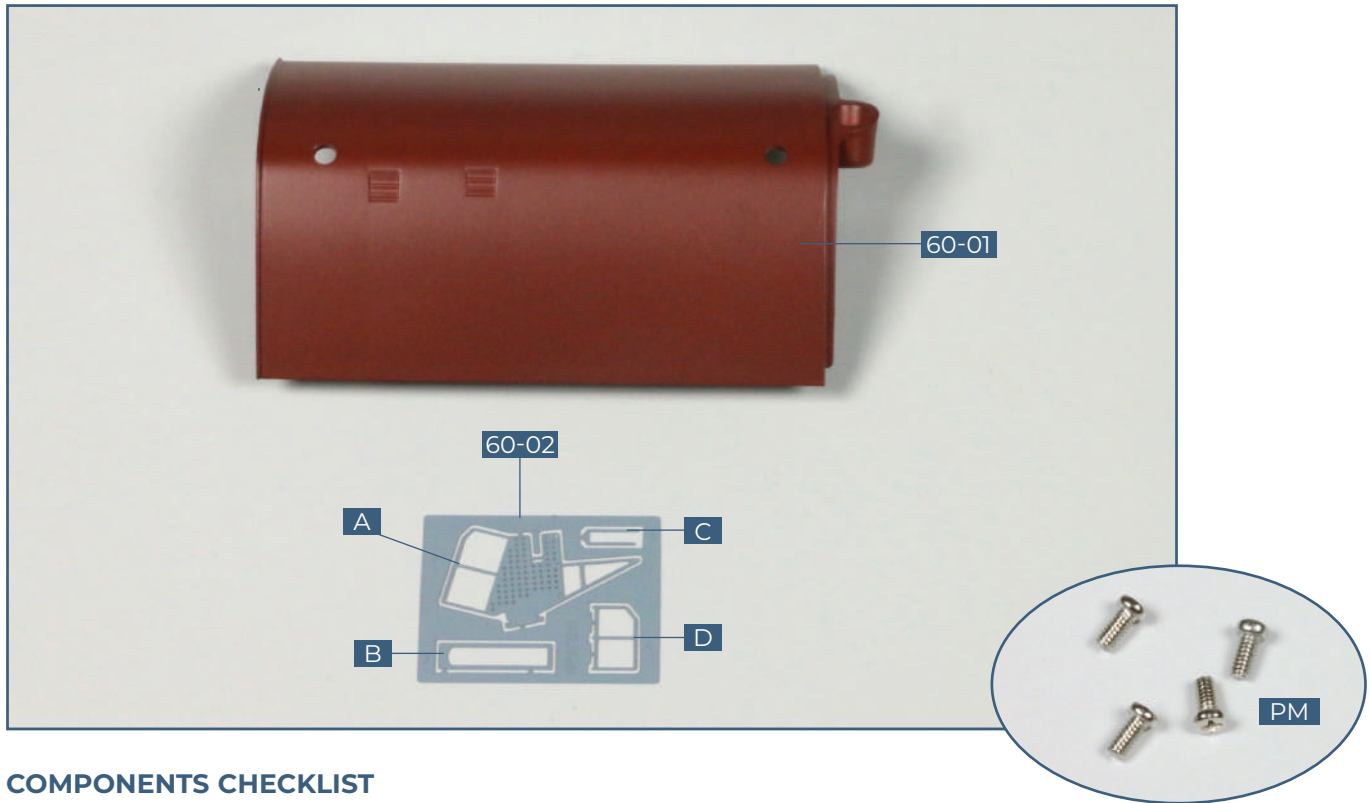
Fix the hull section **59-01** in place with three **PM** screws.



Completed work

The next hull section has been added, and details have been added to the forward superstructure.

STAGE 60 THE NEXT HULL SECTION



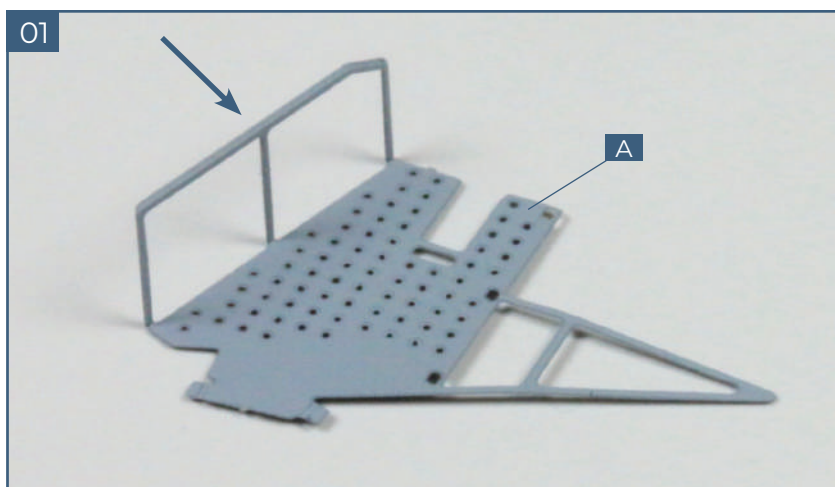
COMPONENTS CHECKLIST

60-01: Starboard lower hull section

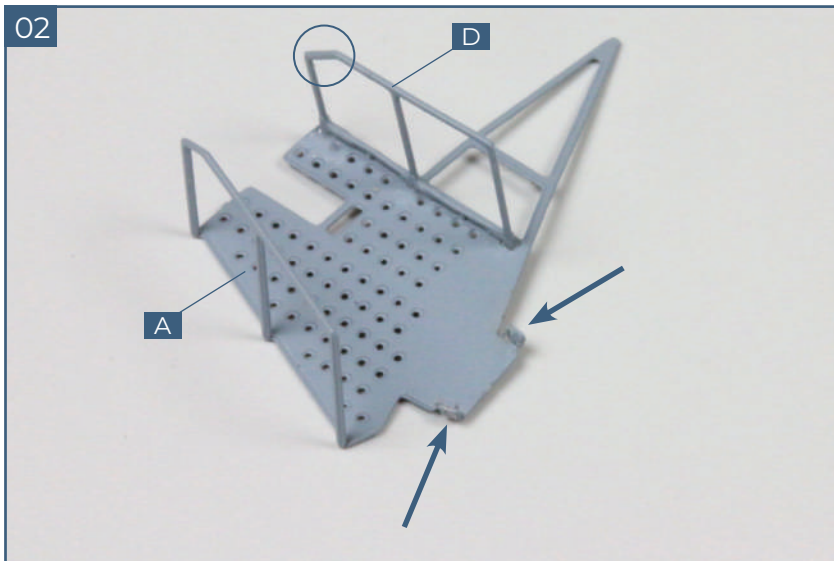
PM: Four 2 x 4mm PM screws

60-02: Platform (parts A, B, C and D)

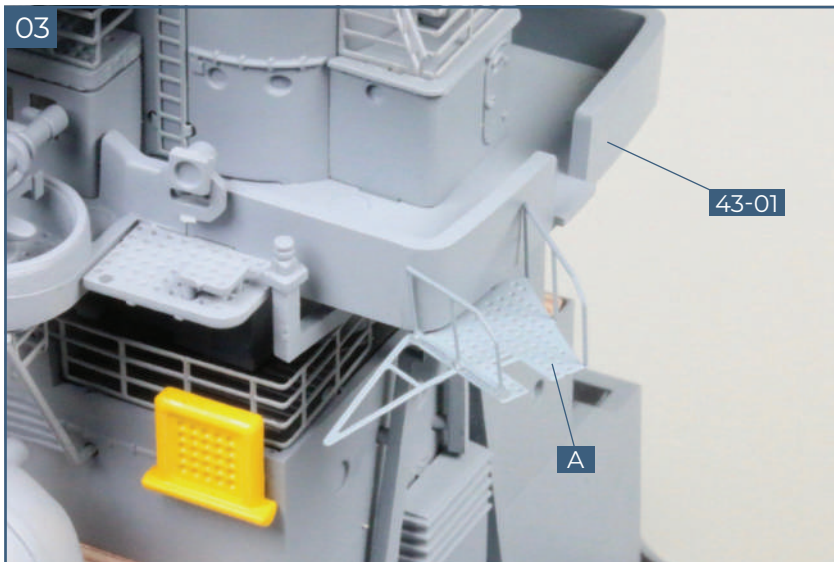
01. SHAPING AND ASSEMBLING THE PLATFORM



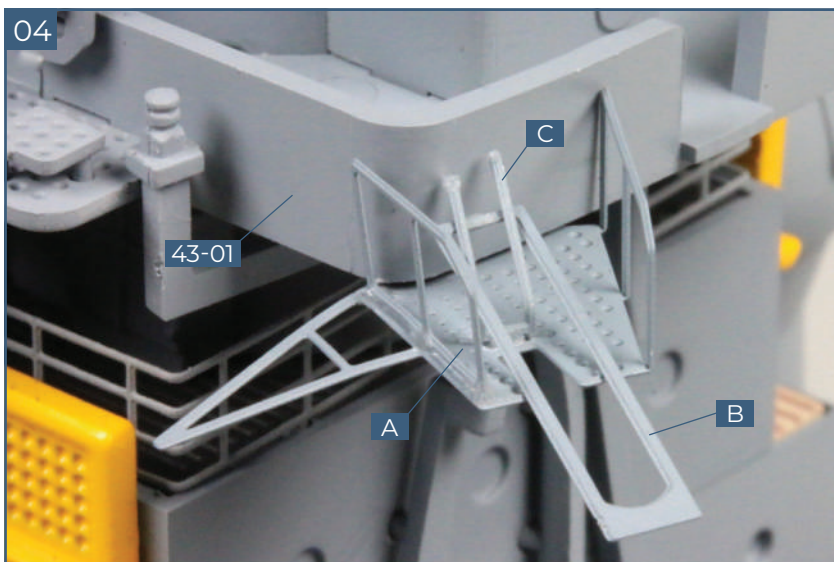
Cut the platform part **A** from the frame **60-02**. Study the shape of it to ensure you have the correct orientation, as shown here. Bend the platform railing up at right angles (arrow).



Cut the railing part **D** from frame **60-02**. Note the position of the sloping corner of the railing (circled). Apply a little superglue to the three pegs at the bottom of the railing and fit them into the holes in the platform part **A**. Bend the two short edges of the platform up at right angles (arrows).

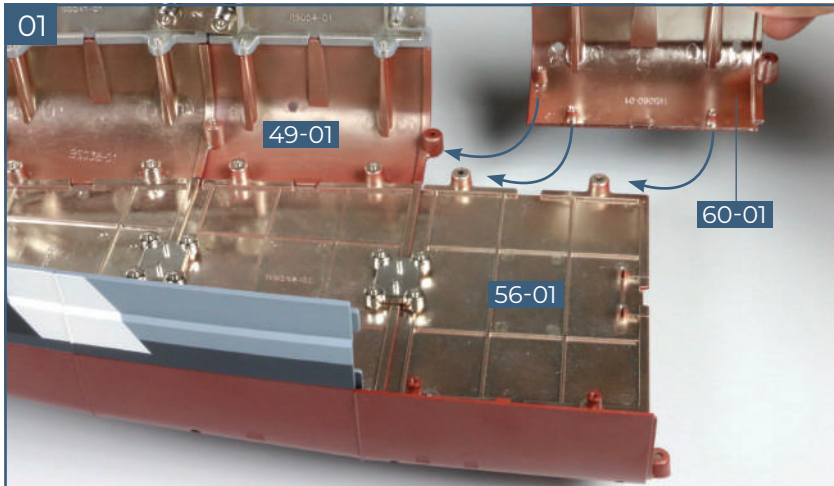


Take the superstructure assembly and identify the rear of the admiral's bridge, part **43-01**. Apply a little superglue to the two short edges of the platform (bent upwards in step 2) and fit them into the recesses on the underside of the admiral's bridge.

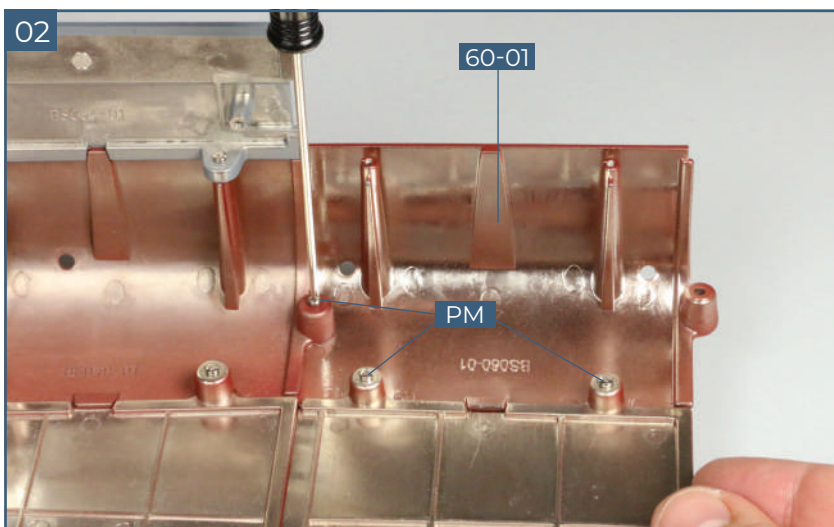


Cut parts **B** and **C** from frame **60-02**. Position part **B** on the platform as shown, and hold it in place. Check the fit of part **C**, positioning it as shown so that it will hold part **B** in place. Apply a little superglue to the ends of part **C** and glue it in place, with the top struts against the admiral's bridge and the bottom peg fitting into the slot in platform part **A**.

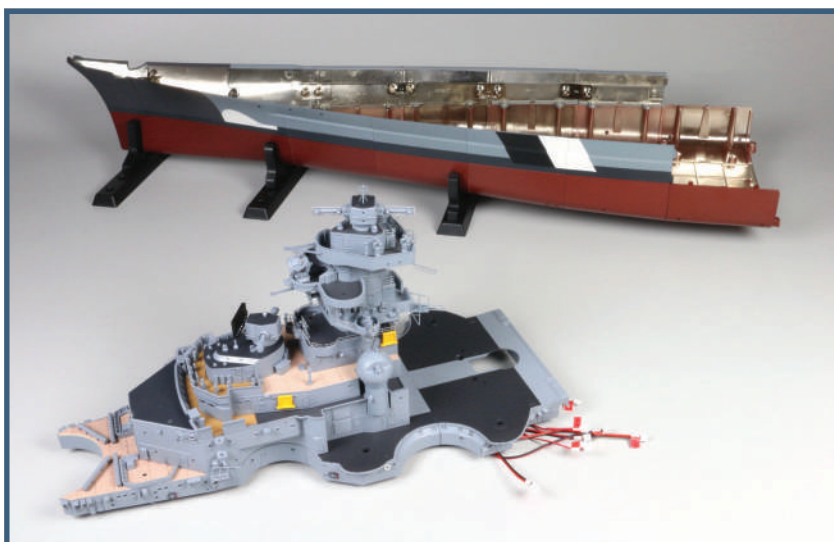
02. FITTING THE HULL SECTION



Take the hull assembly and identify the position for hull section **60-01**. Two raised screw sockets fit under the sockets on part **56-01** and one fits under the socket on part **49-01**.



When you are happy with the fit, fix in place with three **PM** screws.

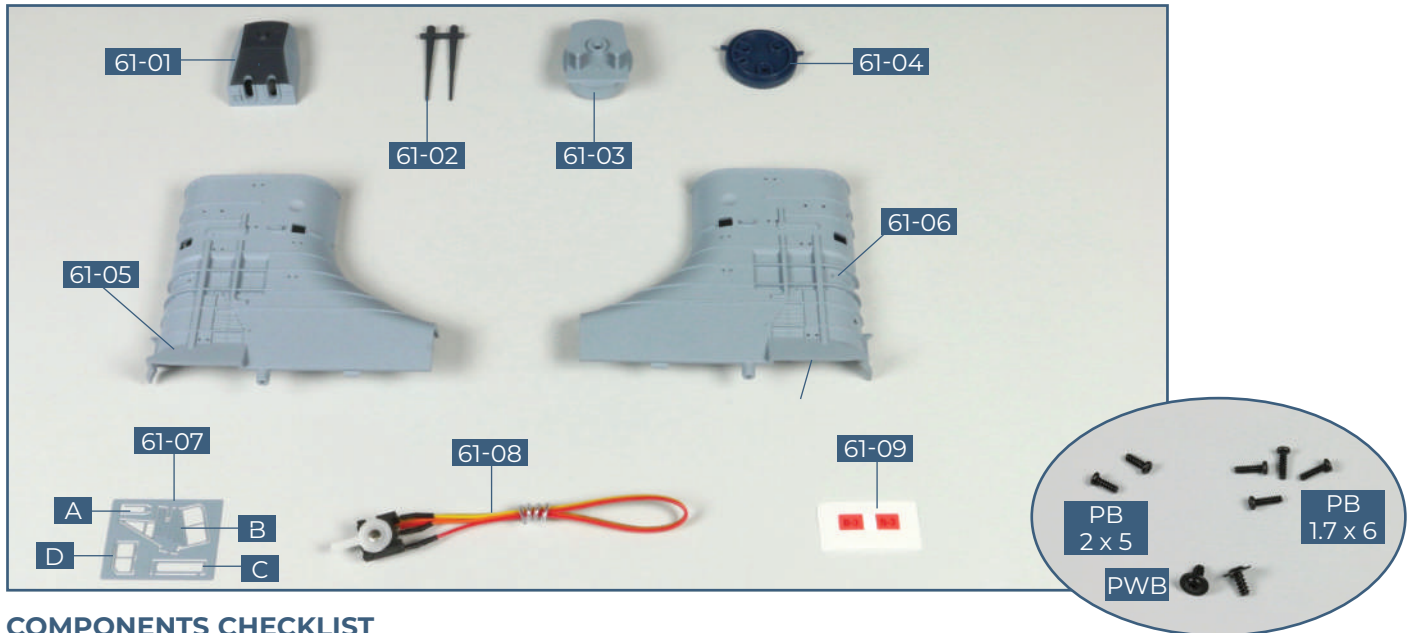


Completed work

Another section has been added to the hull, and a platform has been fitted to the forward superstructure.

STAGE 61

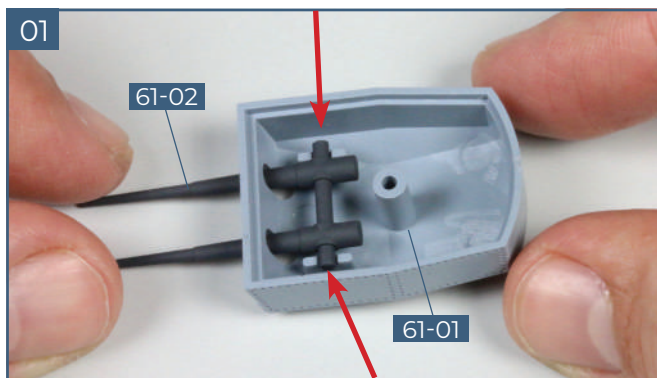
SECOND 15CM GUN TURRET AND THE FUNNEL



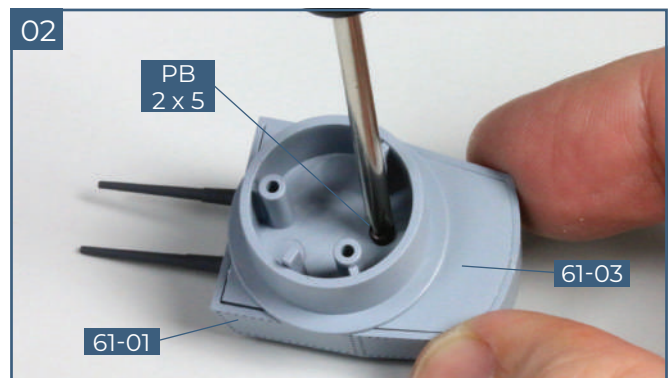
COMPONENTS CHECKLIST

- | | | |
|--|--|---------------------------------|
| 61-01: Gun turret housing (starboard I) | 61-04: Cog | 61-08: Cable and switch |
| 61-02: 15cm gun barrels with cradle | 61-05: Right half of the funnel | 61-09: Cable label |
| 61-03: Gun turret base plate | 61-06: Left half of the funnel | PB Two 2 x 5mm screws |
| | 61-07: Platform (parts A, B, C and D) | PB Four 1.7 x 6mm screws |
| | | PWB Two 2.3 x 4mm screws |

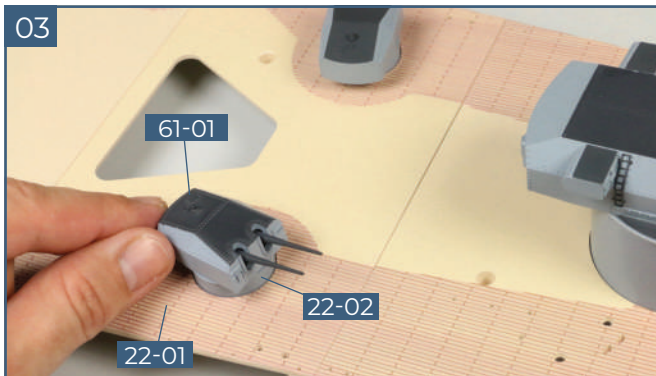
01. ASSEMBLING AND FITTING THE 15cm GUN TURRET



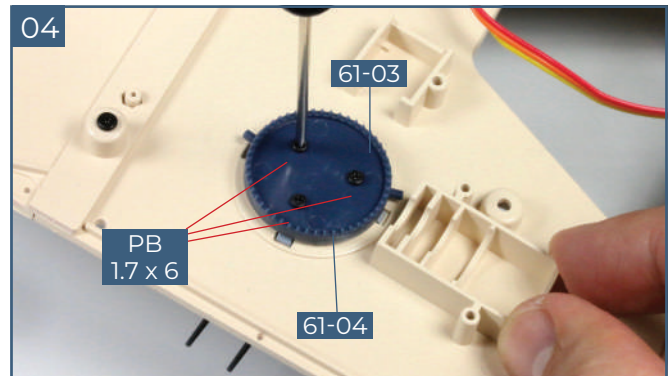
Turn the gun turret housing **60-01** upside down and fit the gun barrels **60-02** into the housing so that the pegs on each side rest in the recesses in part **60-01** (indicated by red arrows).



Fit the base plate of the turret **61-03** into the gun turret housing **61-01** as shown. Fix in place with a **PB** 2 x 5mm screw.

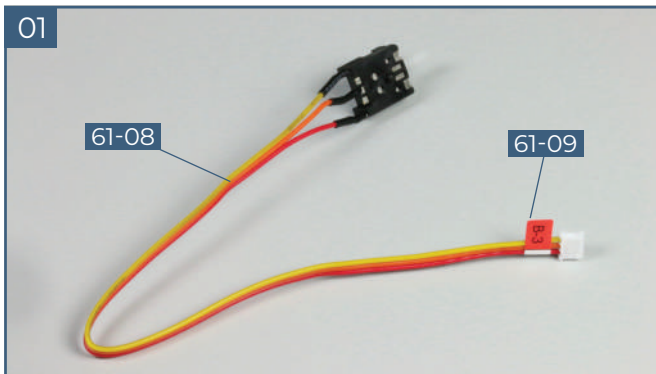


Take the large upper deck assembly **19-01/22-01/48-01**. Identify and position of the gun turret assembly on the barrette **22-02**, as shown.

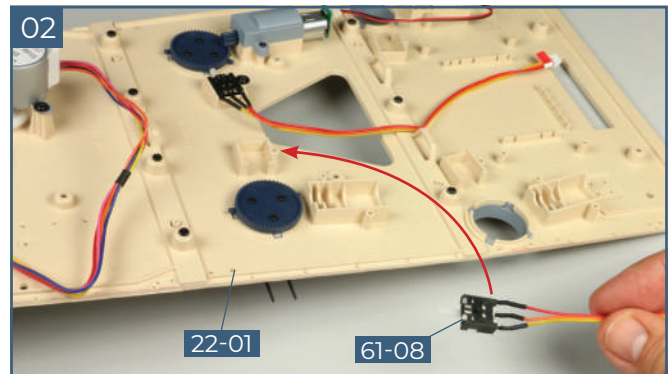


Holding the gun turret in place, carefully turn the deck assembly over. Fit the cog **61-04** on the base plate **61-03** with the tab on part **61-03** fitting in the notch in part **61-04**. Fix in place with three **PB 1.7 x 6**mm screws.

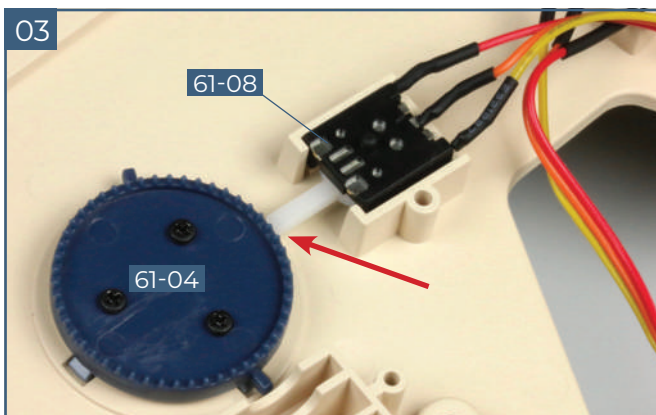
02. FITTING THE SWITCH



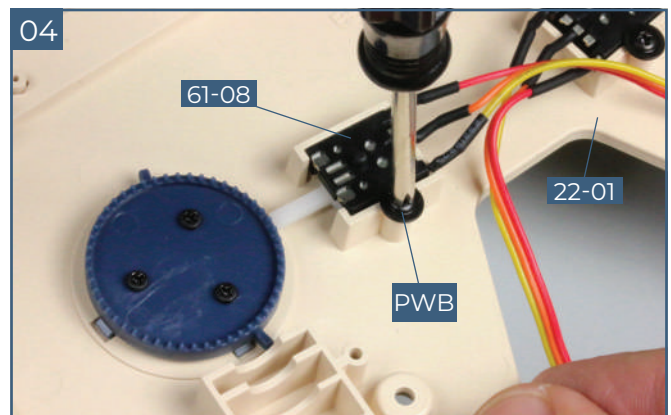
Take the cable **61-08** and wrap the cable label **61-09** around the end of the cable near the connector, as shown.



On the underside of the deck assembly, identify the recess for the switch **61-08** in the recess in deck section **22-01** (arrow).

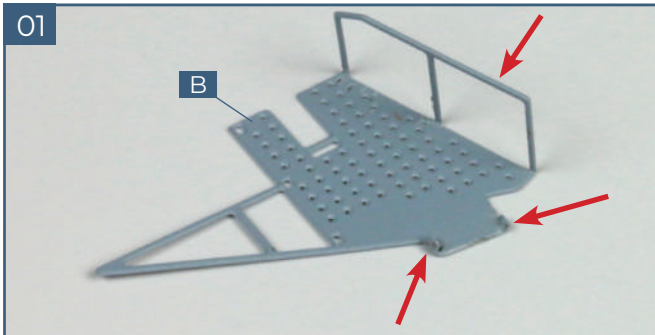


Fit the switch **61-08** into the recess in the upper deck, so that the long white arm is near the cog **61-04** (arrow).

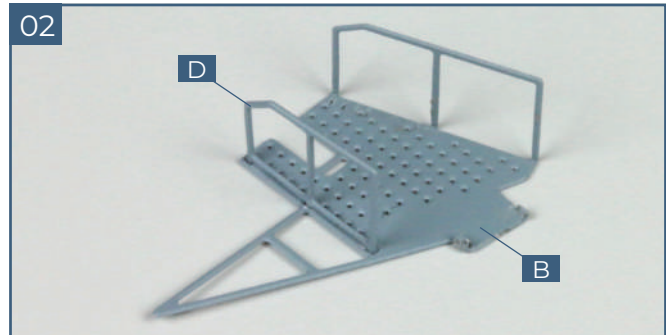


Fix the switch **61-08** to the underside of the upper deck **22-01** using a **PWB 2.3 x 4**mm screws

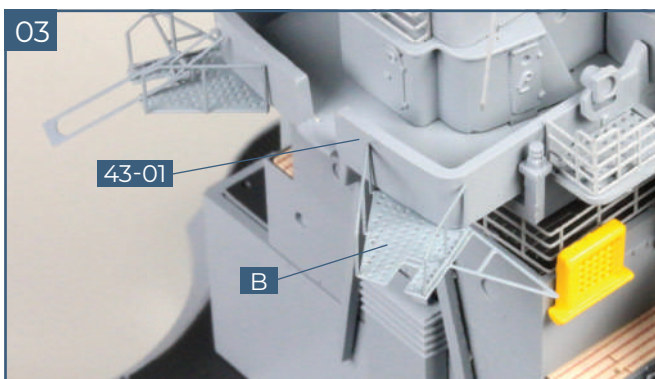
03. ASSEMBLING A PLATFORM AND THE FUNNEL



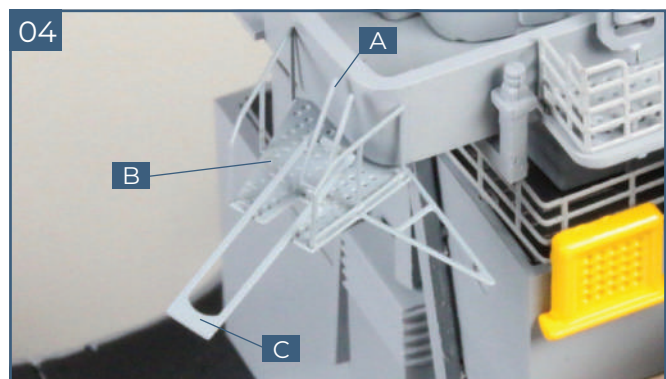
01 Cut the platform section **B** from the frame **61-07**. Bend the railing up at right angles. Bend the two short edges up at right angles, as indicated by the arrows.



02 Cut the platform railing **D** from the frame **60-07**. Apply a little superglue to the three pegs along the bottom of the railing and fix them into the three holes on the platform **B**.



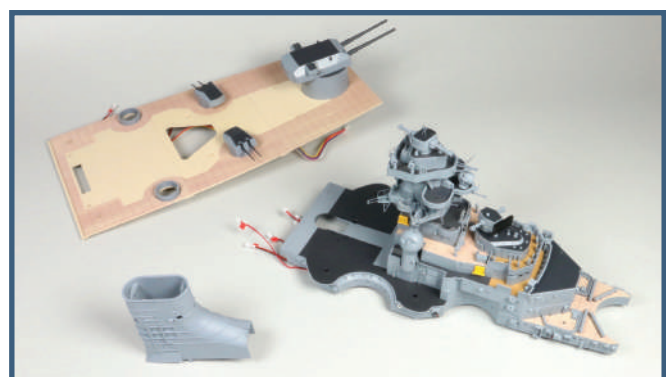
03 Check the fit of the platform on the admiral's bridge **43-01**. Apply a little superglue to the two short turned-up edges (bent upwards in step 1) of platform section **B** and fix them into the recesses in the underside of the admiral's bridge.



04 As described in issue 60, and noting the orientation, fit part **C** (from frame **61-07**) at an angle on the edge of the platform. Apply a little superglue to the ends of part **B** and fix the top struts against the side of the admiral's bridge and the bottom pins into the sockets in the platform.



05 Take the two halves of the funnel **61-05** and **61-06** and check the fit. Apply a little superglue to the pegs and fix together as shown.

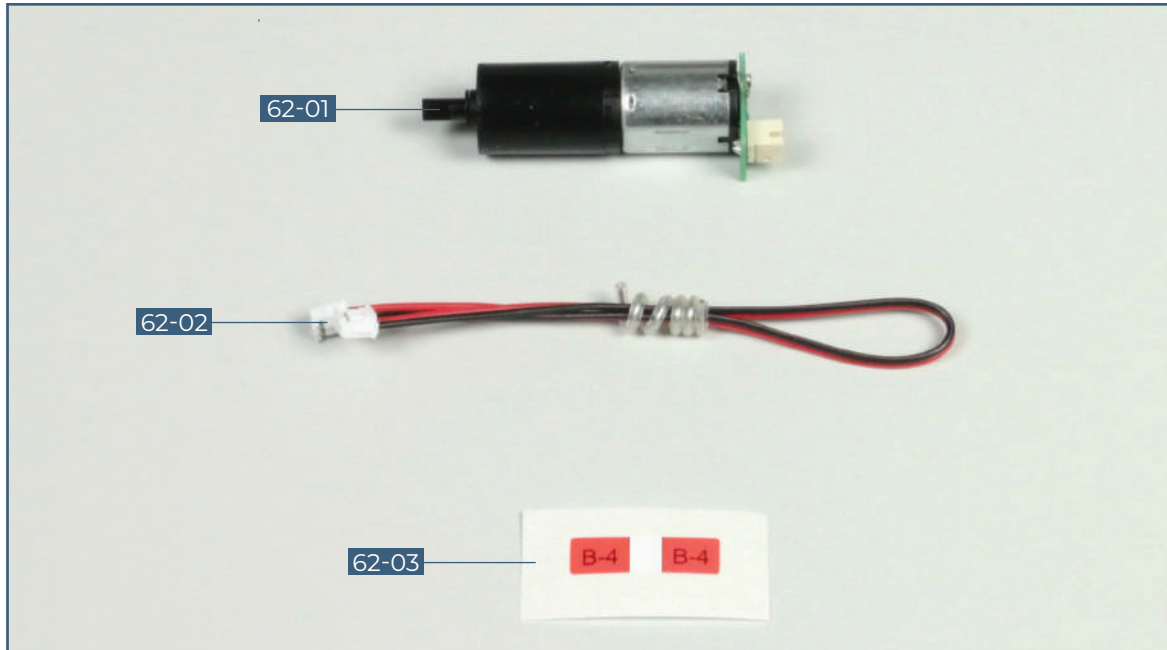


Completed work

Another 15cm gun turret has been fitted to the deck, a second platform has been added to the superstructure and the funnel has been assembled.

STAGE 62

THE MOTOR FOR THE SECOND 15CM GUN TURRET



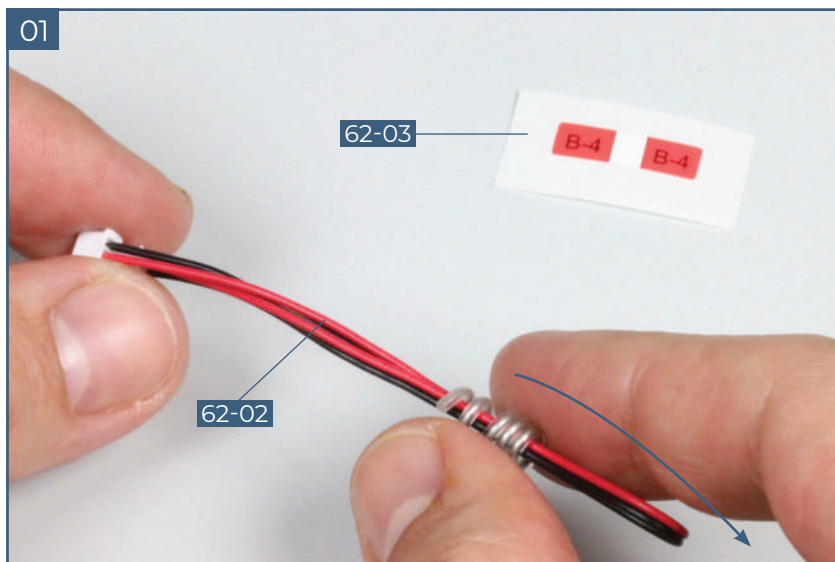
COMPONENTS CHECKLIST

62-01: Motor (controls the rotation of the gun)

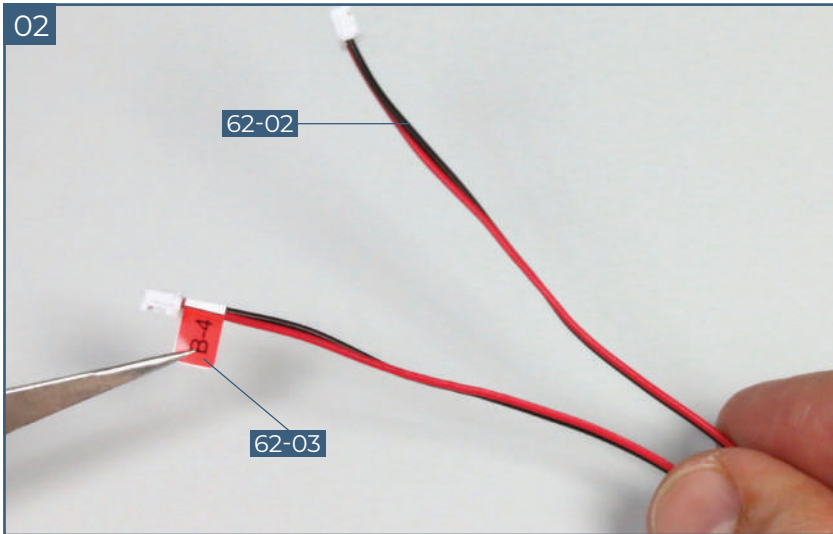
62-02: Cable for the motor

62-03: Cable label

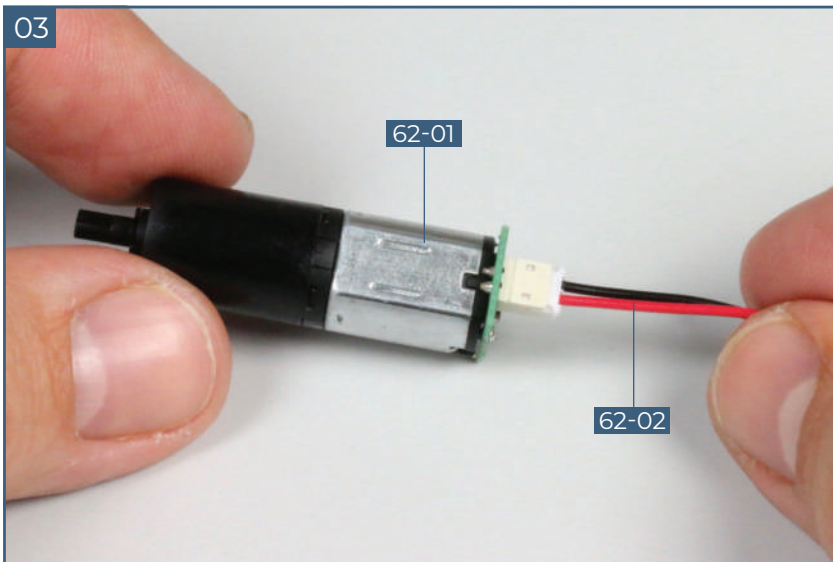
01. ATTACHING THE CABLE TO THE MOTOR



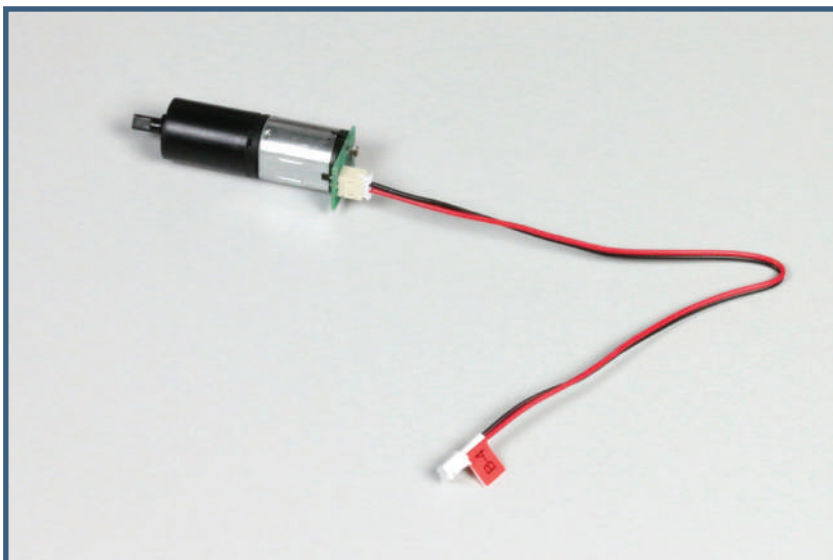
Take the cable **62-02** and remove the wire wrapped around it as shown. Straighten out the cable.



Take the cable label **62-03** and remove the backing. Wrap the label around the cable, close to one of the connectors. (The connectors are identical.)



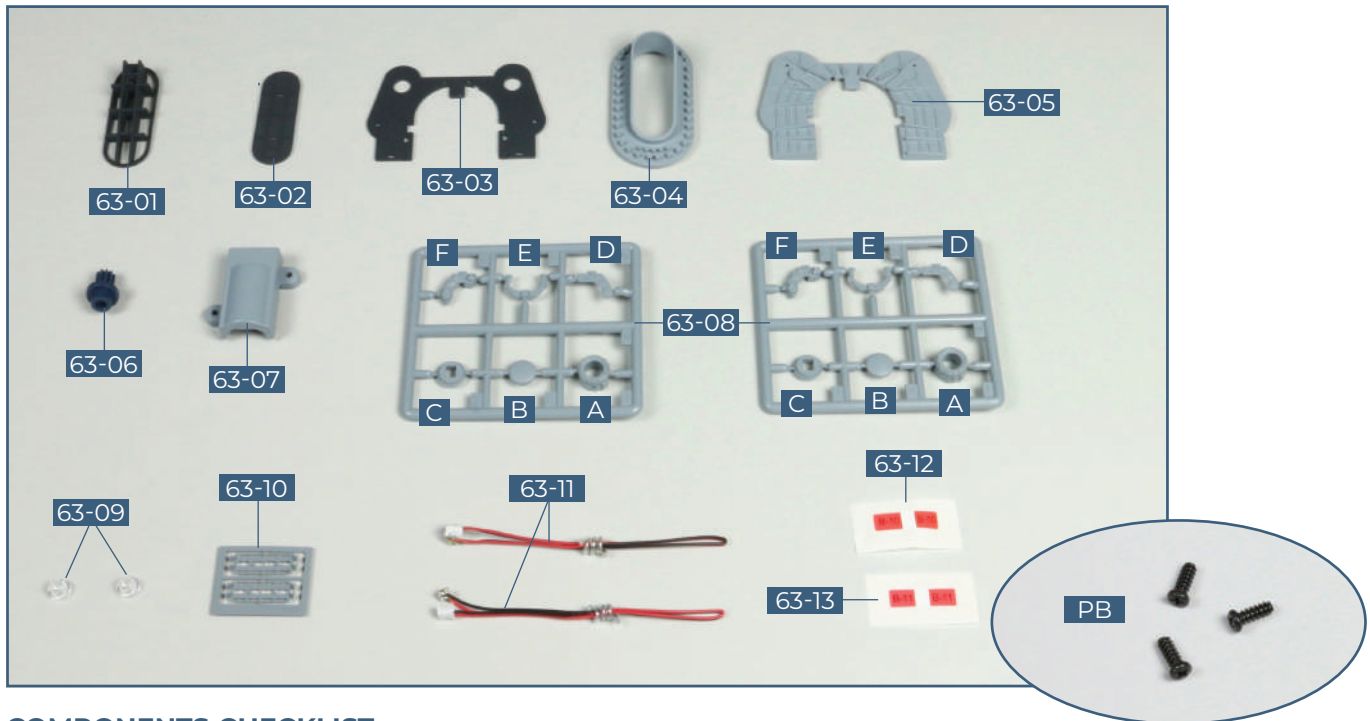
Fit the connector on the other end of cable **62-02** into the socket in the motor **62-01**.



A label has been fitted to the cable and it has been connected to the motor for the second 15cm gun.

STAGE 63

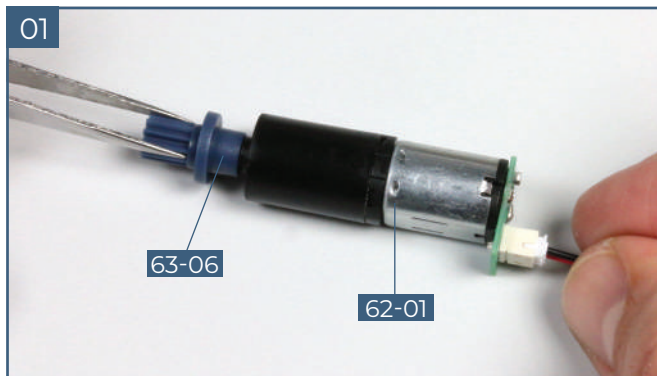
TWO SEARCHLIGHTS FOR THE FUNNEL



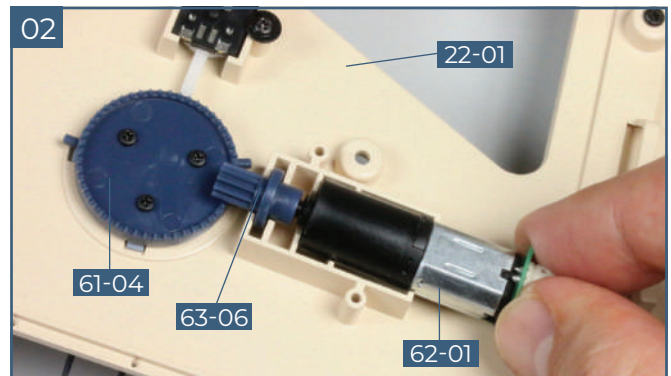
COMPONENTS CHECKLIST

- | | | |
|------------------------------------|--|------------------------------------|
| 63-01: Grille | 63-06: Cog | 63-11: Two LED cables |
| 63-02: Base plate | 63-07: Cover | 63-12: Cable label |
| 63-03: Deck covering | 63-08: Searchlight parts (2x A-F) | 63-13: Cable label |
| 63-04: Funnel cap | 63-09: Two searchlight lenses | |
| 63-05: Searchlight platform | 63-10: Two frames | PB: Three 2 x 5mm PB screws |

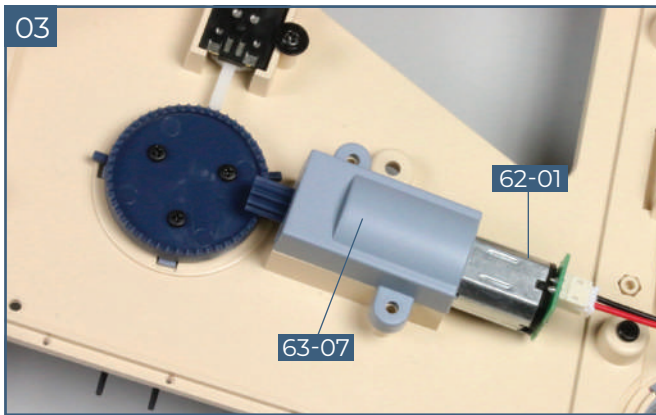
01. FITTING THE ROTATIONAL MOTOR



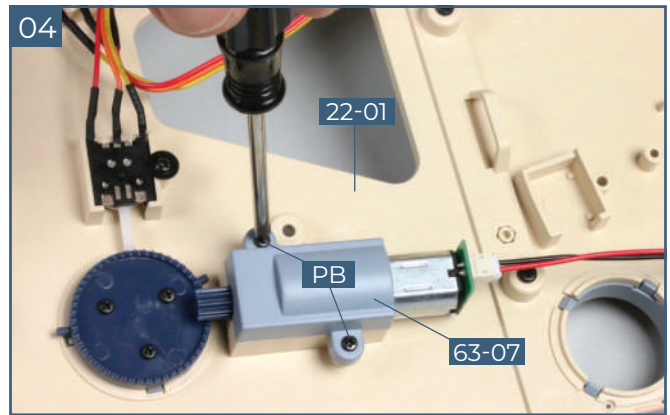
Take the cog **63-06** and fit it on to the shaft of the motor **62-01** as shown.



Turn the large upper deck structure upside down. Place the motor **62-01** in the recess on the underside of deck section **22-01**, as shown. The teeth on part **63-06** mesh with cog **61-04**.

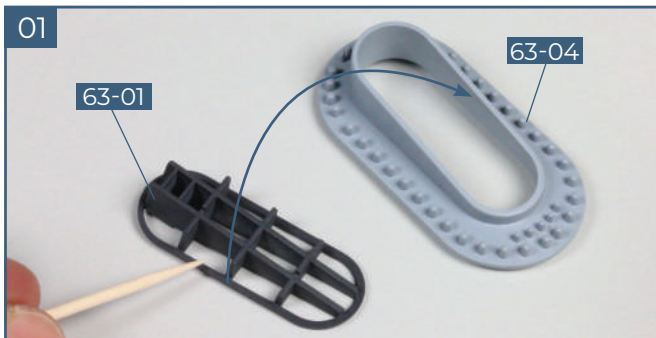


Fit the cover **63-07** over the motor **62-01**, ensuring that the screw holes on the cover align with those on the upper deck section **22-01**.



Fix the cover **63-07** in place using two **PB** screws. Support the deck from below while tightening the screws.

02. THE TOP OF THE FUNNEL



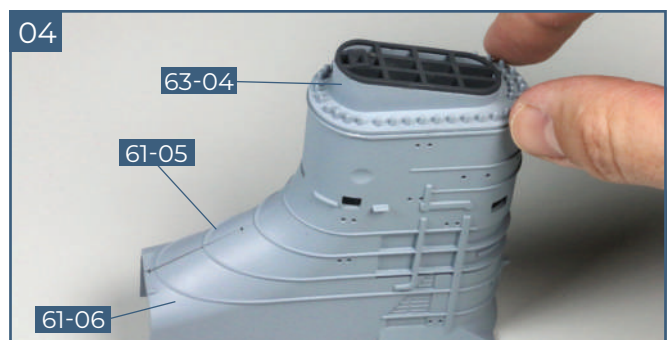
Take the funnel cap **63-04** and the grille **63-01**. Apply a little superglue to the edge of the grille **63-01** and fix it in place on the funnel cap as indicated. Note that the flatter side of the grille is uppermost (see step 3).



Place the funnel base plate **63-02** on the work surface with the raised sections facing upwards. Apply a little superglue to the pegs on the underside of the grille **63-01** and fit the funnel cap and grille over the base plate.

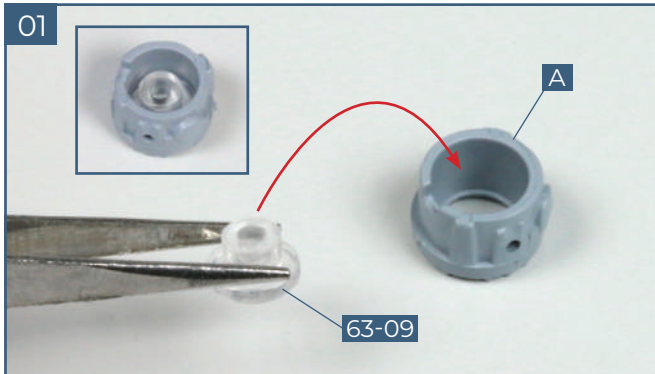


This shows the funnel cap assembled. Note that one end of the cap is higher than the other: the higher end goes at the forward end of the funnel in the following step.

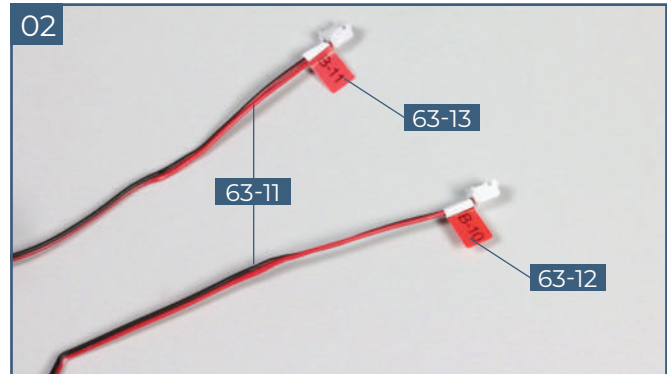


Take the funnel assembly from stage **61**. Note that the curved end of the funnel is the forward end. Apply a little superglue around the rim of parts **61-05/61-06** and fix the funnel cap assembly in place.

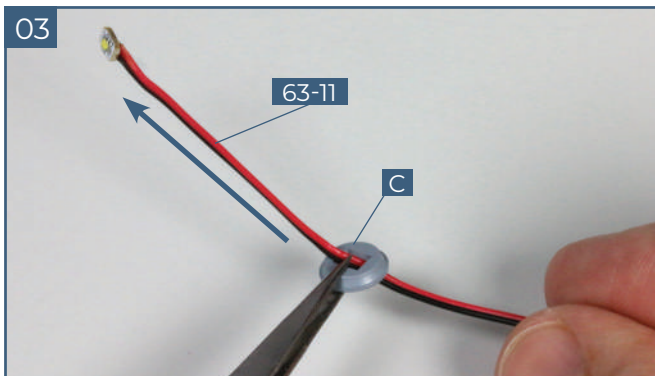
03. ASSEMBLING THE SEARCHLIGHTS



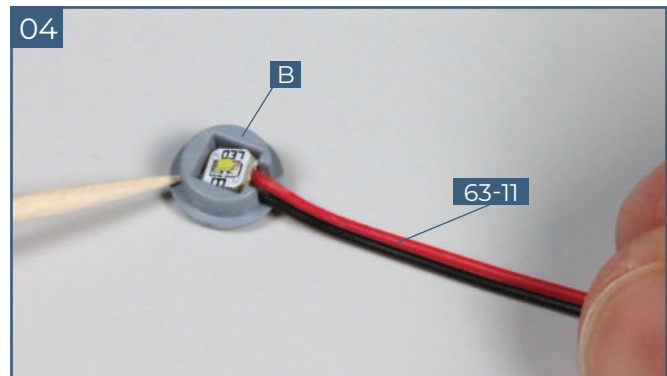
01 Cut the searchlight body **A** from one of the frames **63-08**. Fit one of the searchlight lenses **63-09** into part **A** as indicated by the red arrow (and inset).



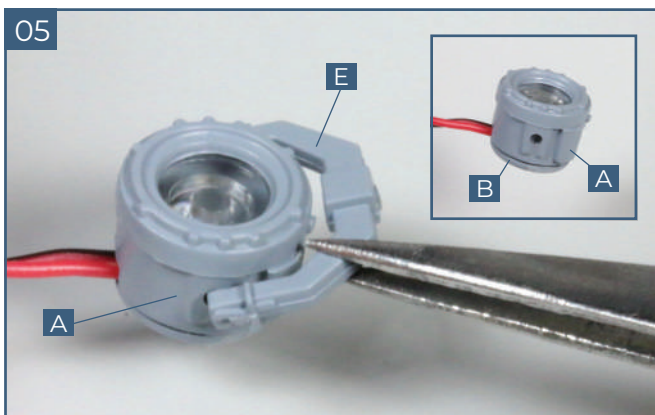
02 Take the two LED cables **63-11** and the cable labels **63-12** and **63-13**. Wrap a label around each of the cables at the connector end (away from the LED).



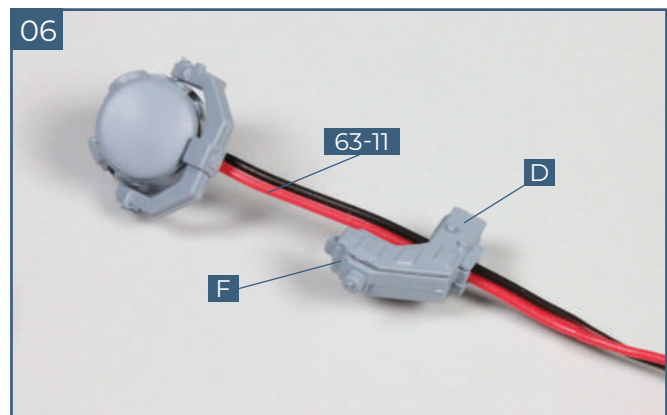
03 Cut the searchlight base **C** from the frame **63-08**. Check that you are holding part **C** the right way up, as shown. Thread the LED end of **63-11** through the hole in the base **C**.



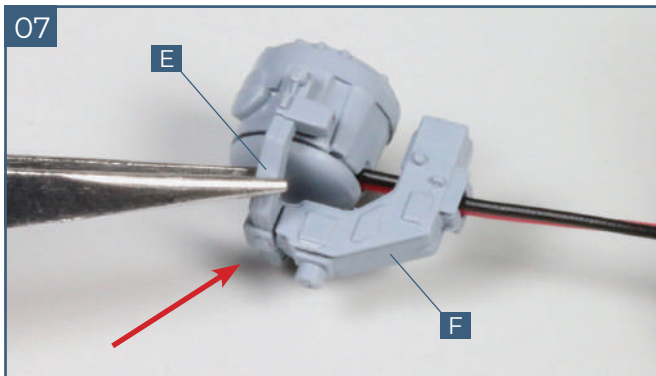
04 Fit the LED on cable **63-11** into the back of the searchlight, part **B** from frame **63-08**. Apply a little superglue around the edge of part **B**, as shown.



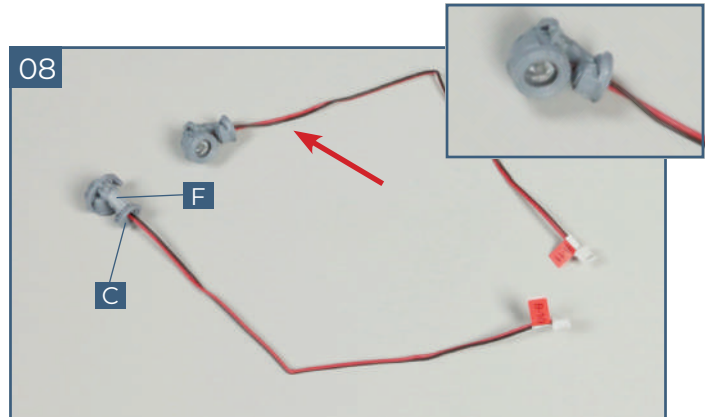
05 Glue the back of the searchlight **B** into the body of the searchlight **A** as shown in the inset. Take the support arm **E** from the frame **63-08** and fit the pins on the ends of the arms into the holes in part **A**.



06 Take the searchlight stand part **F** and the side of the stand part **D** from frame **63-08**. Fit the cable into the slot in the stand. Secure parts **D** and **F** together by glueing the pins on part **D** into the holes in part **F**. Make sure that no adhesive gets on the cable.

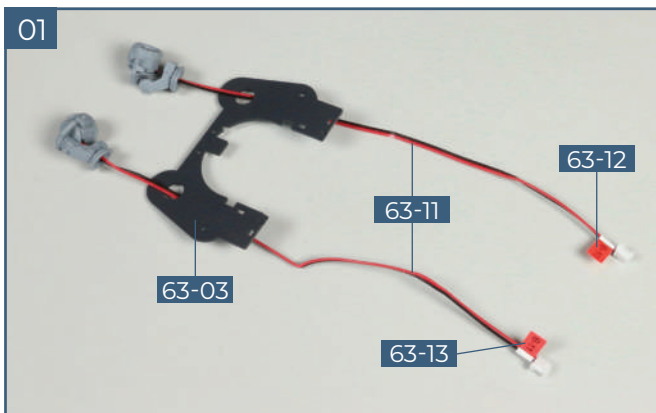


Apply a little superglue to the peg on the searchlight base **F** and fix it into the recess in the centre of the support arm **E** (see arrow).

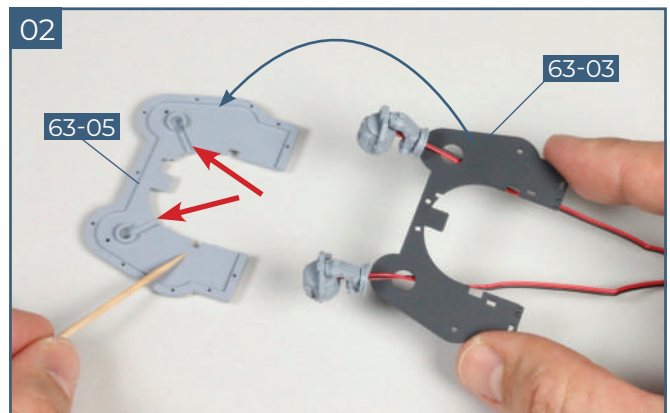


Glue the searchlight base **C** to the underside of the searchlight stand **F** (inset). Repeat this section of steps to assemble the second searchlight.

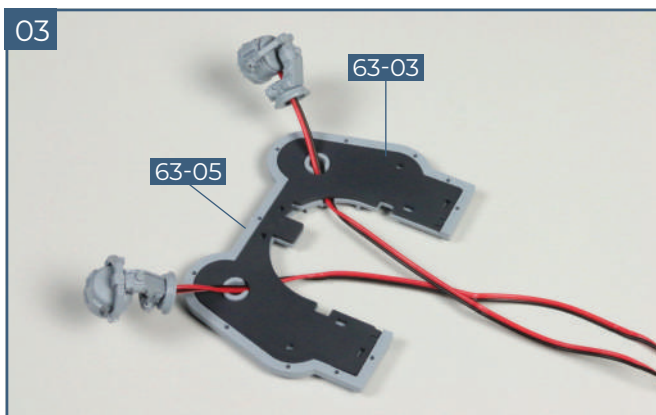
04. ASSEMBLING THE SEARCHLIGHT PLATFORM



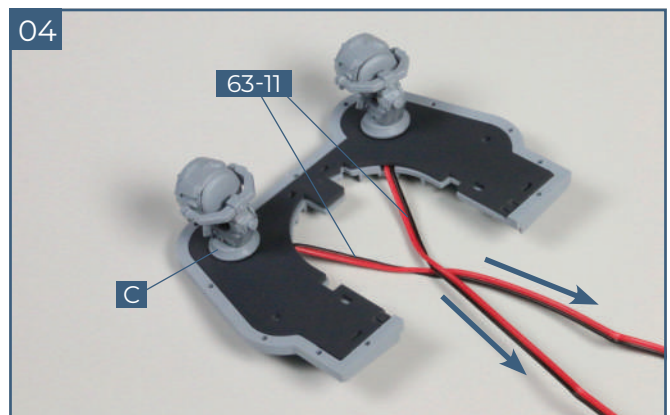
Take the deck covering **63-03**. Thread the connectors on the ends of the searchlight cables through the two holes in the deck covering.



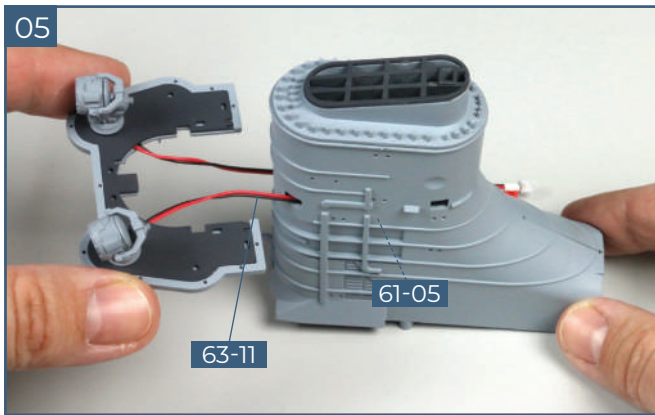
Position the deck covering on the searchlight platform **63-05** so that the cables run through the recesses in the platform (see arrows).



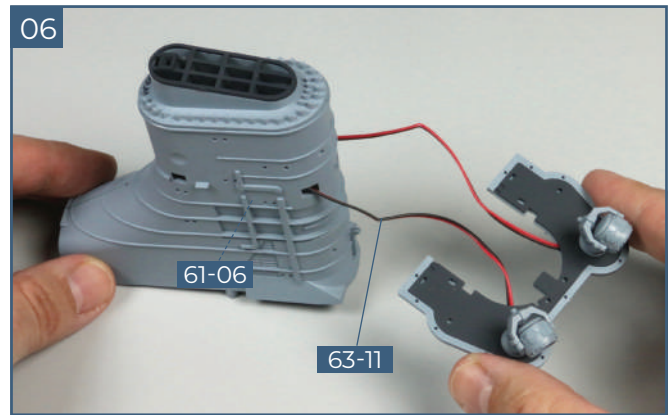
When you are happy with the fit, apply a little superglue to the underside of the decking and fix in place. Make sure there is no glue on the cables.



Gently pull the cables **63-11** so that the headlight stands **C** are drawn towards the decking. Apply a little superglue to the underside of the stands and fix them on the decking as shown.



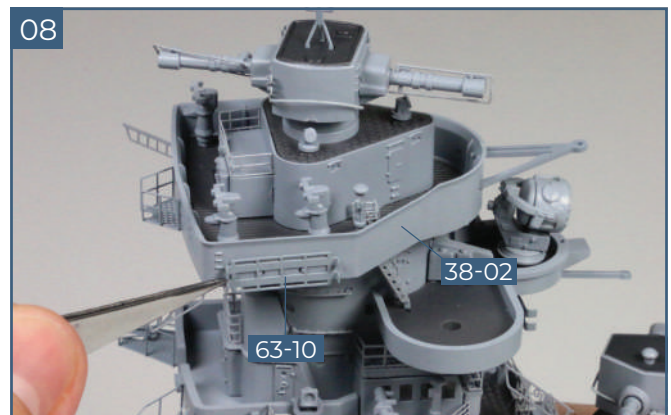
Pass the starboard searchlight cable **63-11** through the slot in the funnel section **61-05**.



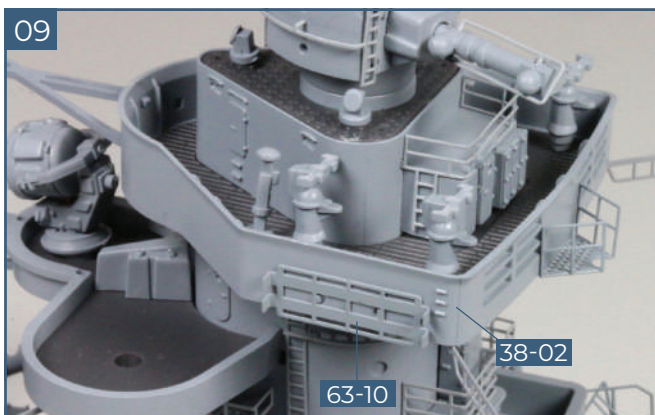
Pass the port searchlight cable **63-11** through the slot in the funnel section **61-06**.



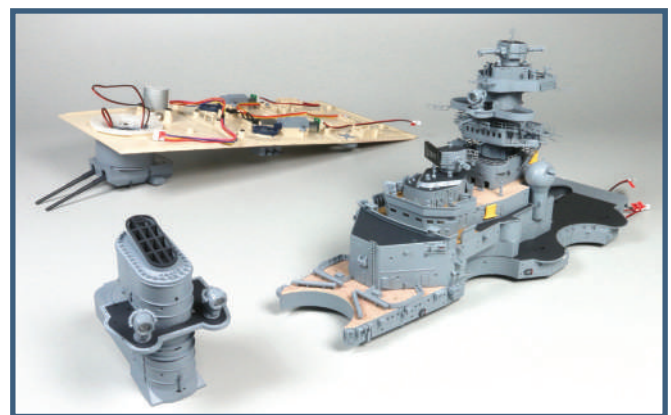
Gently pull the two cables through the slot, bringing the platform up to surround the aft end of the funnel. A peg on the platform should fit into a hole in the funnel. When you are happy with the fit, apply a little superglue to the peg and fix in place.



Cut the first frame from part **63-10**. Take the forward superstructure and identify the foretop command post, **38-02**. Apply a little superglue to the pegs on the frame **63-10** and fix in place on the starboard side of part **38-02**, as shown.



Cut the second frame from part **63-10** and fix it to the port side of the foretop command post **38-02**, as shown.

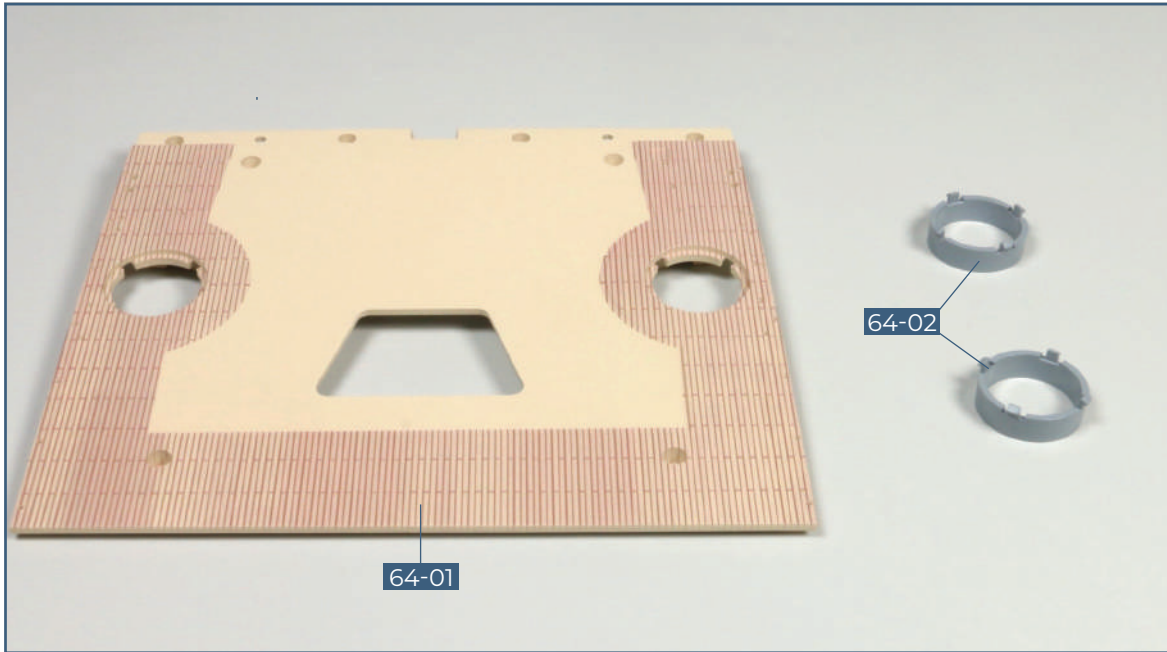


Completed work

The second 15cm gun motor has been fitted and a searchlight platform has been assembled around the funnel. Details have also been fitted to the foretop gallery.

STAGE 64

THE NEXT SECTION OF THE UPPER DECK

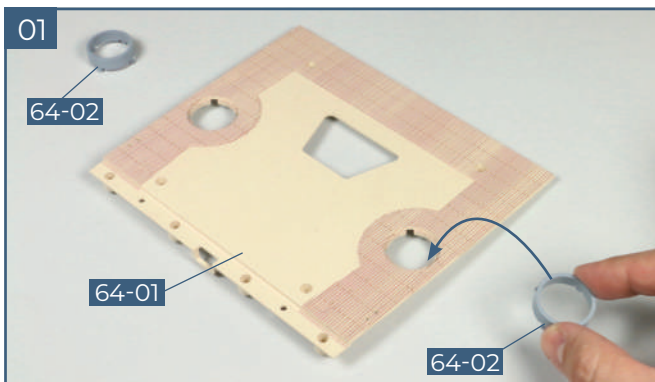


COMPONENTS CHECKLIST

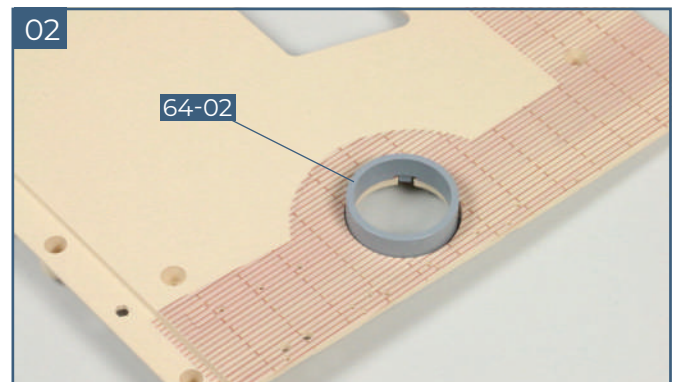
64-01: The sixth section of the upper deck

64-02: Two 15cm gun barbettes

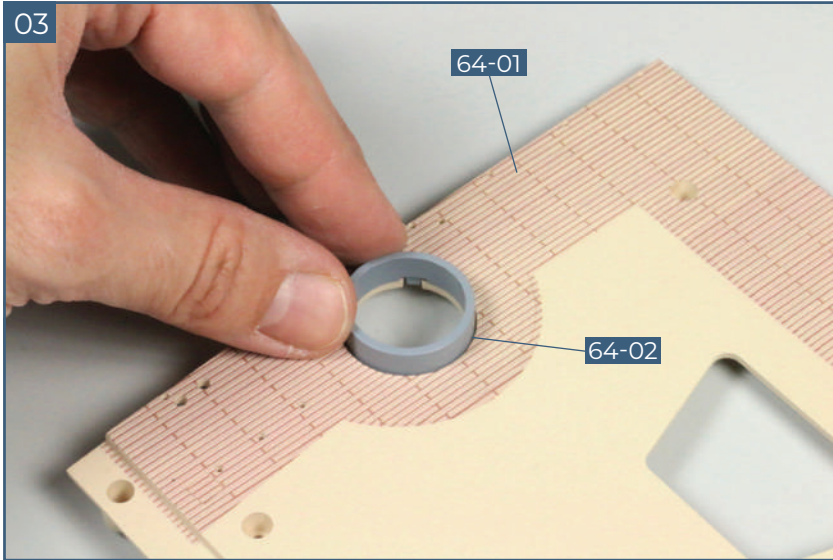
01. FITTING THE FIFTH AND SIXTH 15CM GUN BARBETTES



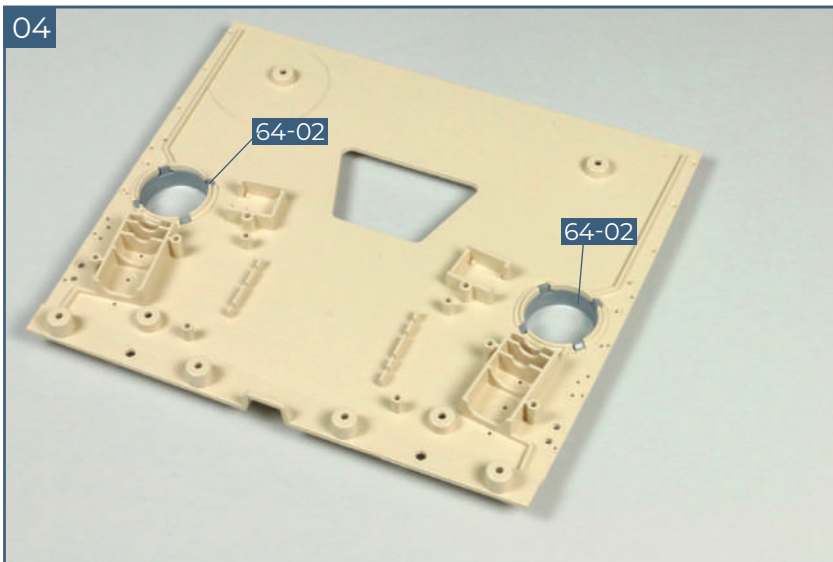
Place the upper deck section **64-01** and the two barbettes **64-02** on your worktop. Take the first barbette and fit it into the opening on the upper deck (arrow).



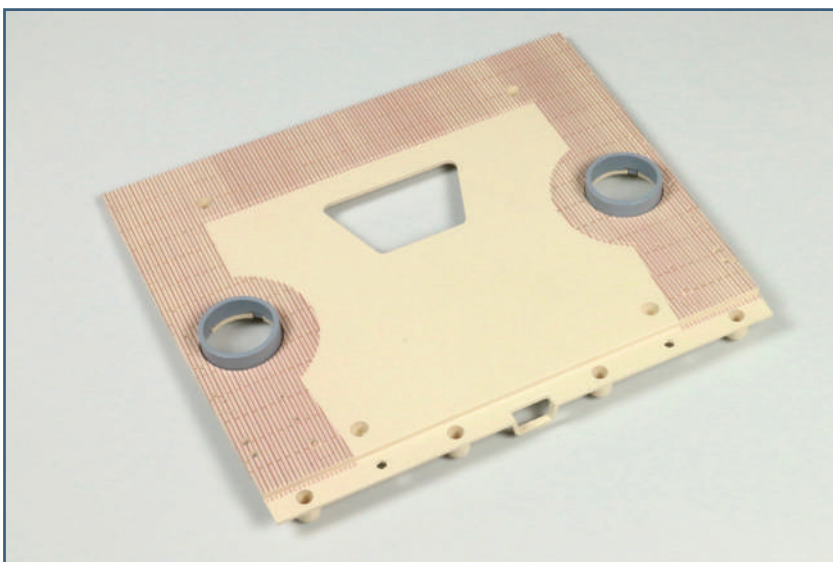
This photo shows the correct positioning of the first barbette **64-02**. Tabs on the underside of the barbette fit into recesses in the opening in the deck.



Fit the second barbette **64-02** on the other side of the deck **64-01**, as shown.



This shows the underside of the deck **64-01**. The tabs on the barbettes fit into the recesses around the openings in the deck. These are push-fit connections.

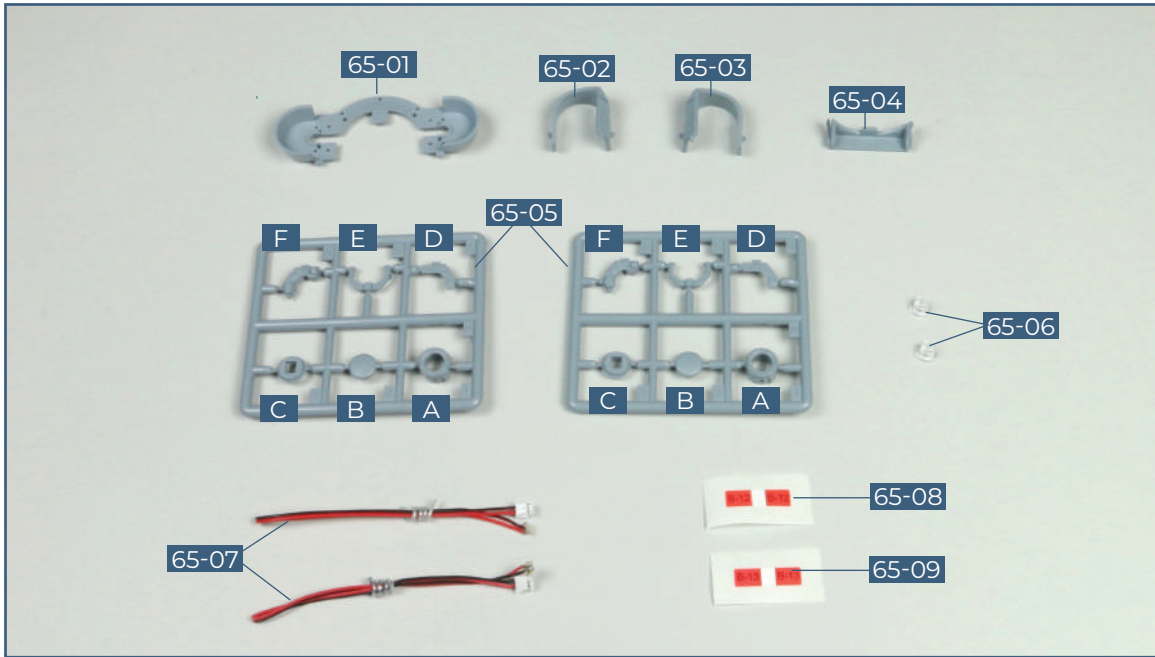


Completed work

Two 15cm gun barbettes have been fitted into the next section of the upper deck.

STAGE 65

TWO MORE SEARCHLIGHTS



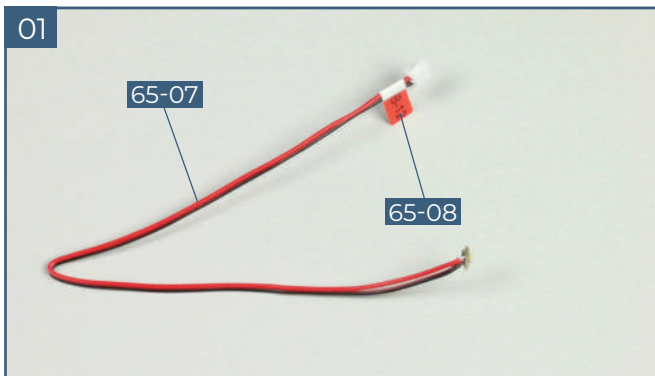
COMPONENTS CHECKLIST

- 65-01:** Forward searchlight platform
- 65-02:** Port protective hood
- 65-03:** Starboard protective hood

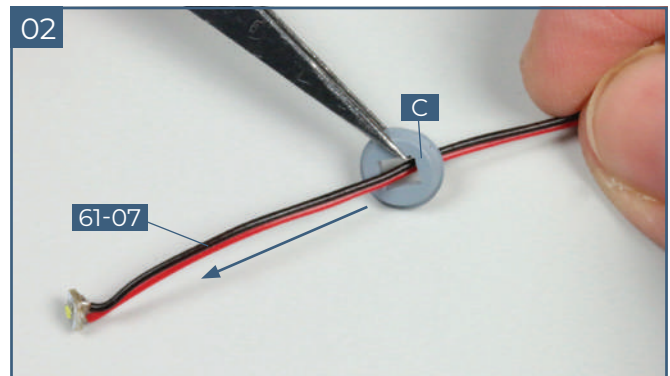
- 65-04:** Funnel extension
- 65-05:** Searchlight parts (2 x A – F)
- 65-06:** Two searchlight lenses
- 65-07:** Two LED cables

- 65-08:** Cable label (B-12)
- 65-09:** Cable label (B-13)

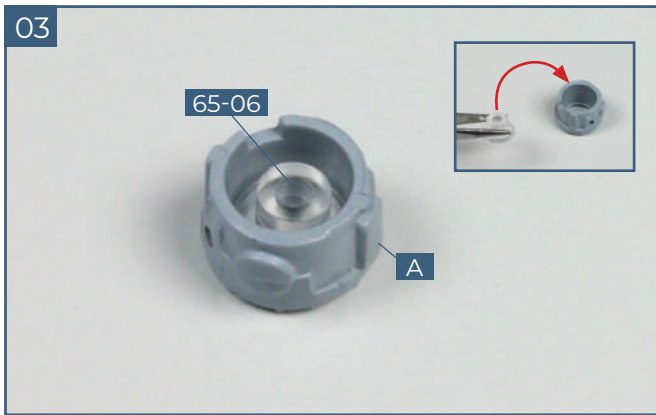
01. ASSEMBLING THE SEARCHLIGHTS



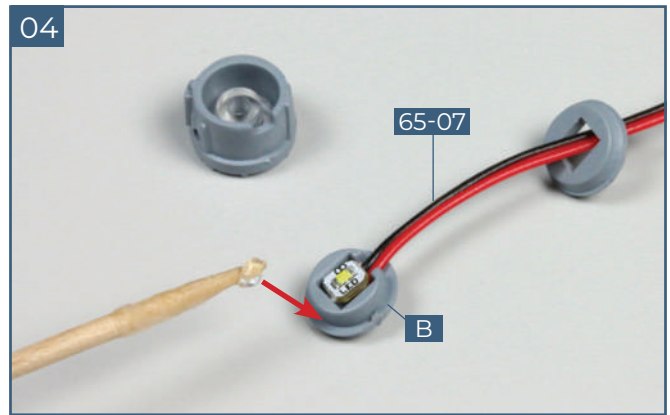
Take the first cable **65-07** and the cable label **65-08** (B-12). Wrap the label around the cable near the connector (away from the LED).



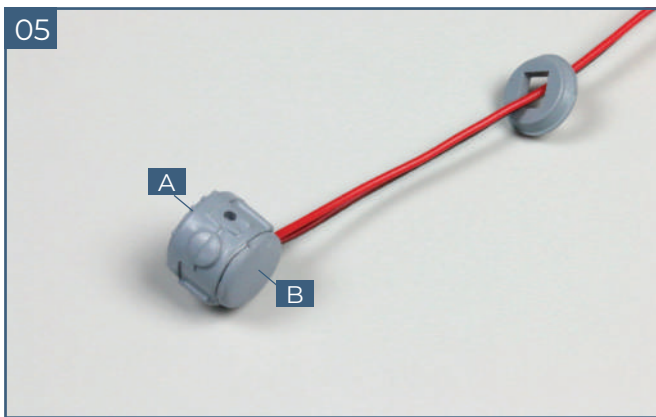
Cut the searchlight base **C** from one of the frames **65-05**. Check that you are holding part **C** the right way up, as shown. Thread the LED through the hole in part **C**.



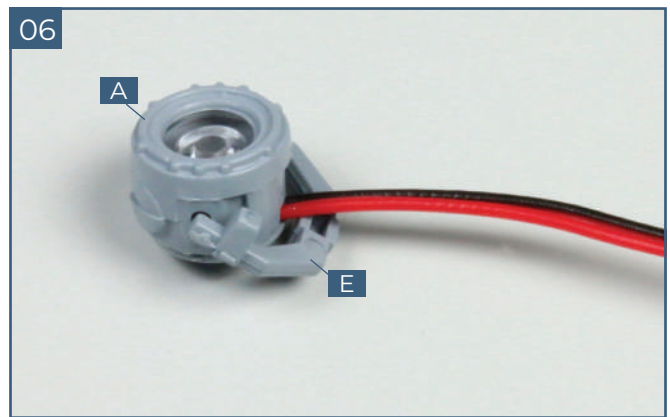
Cut the searchlight body **A** from one of the frames **65-05**. Fit one of the searchlight lenses **65-06** into part **A** as indicated by the red arrow (inset).



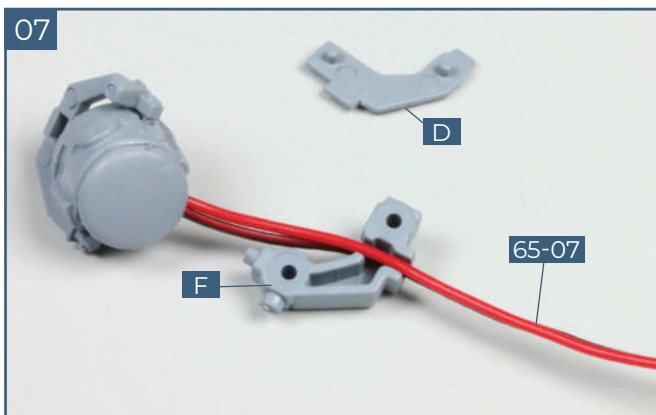
Fit the LED on cable **65-07** into the back of the searchlight, part **B** from frame **65-05**. Study the photograph carefully and check that the LED is fitted the correct way round. Apply a little superglue around the edge of part **B**, as indicated by the arrow.



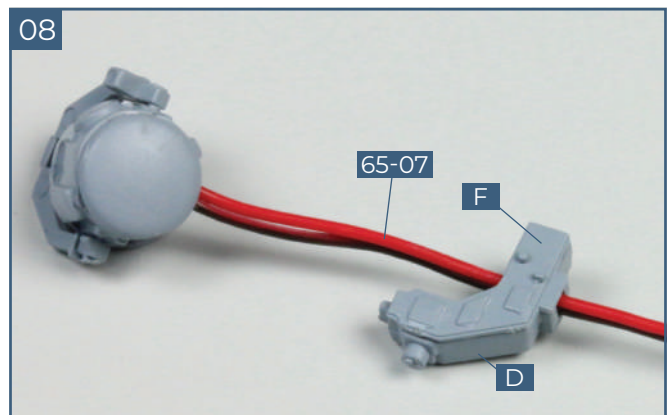
Glue the back of the searchlight **B** into the body of the searchlight **A**.



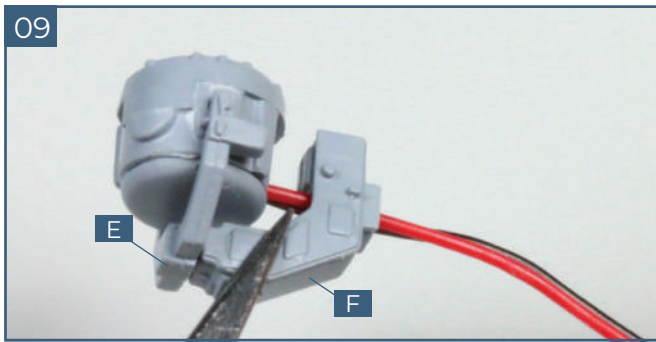
Take the support arm **E** from the frame **65-05** and fit the pins on the ends of the arms into the holes in part **A**.



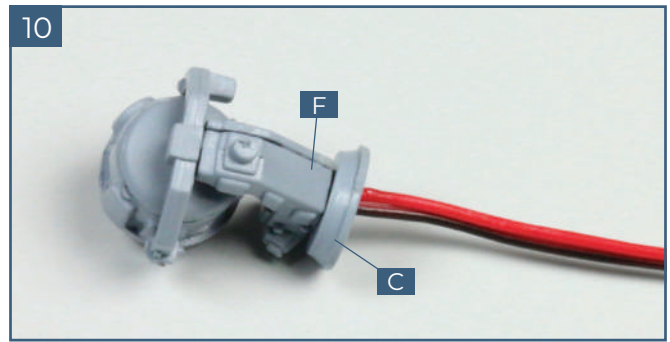
Take the searchlight stand part **F** and the side of the stand part **D** from frame **65-05**. Fit the cable into the slot in the stand as shown. Two pegs on part **D** fit into the recesses in part **F**. Check the fit.



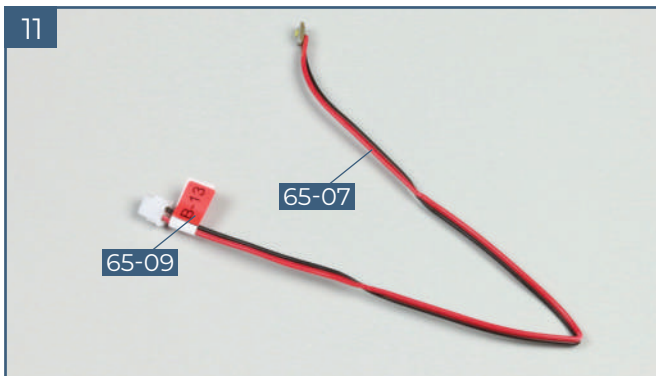
Secure parts **D** and **F** together by applying a little superglue to the pegs on part **D** and fitting it onto part **F**. **Note:** Make sure that no adhesive gets on the cable.



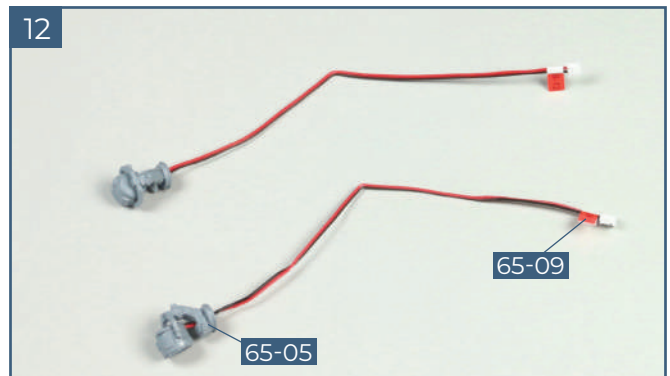
Apply a little superglue to the peg on the searchlight stand **F** and fix it into the recess in the centre of the support arm **E**.



Slide the searchlight base **C** up the cable to the underside of the searchlight stand **F**. Glue the base in place, as shown.

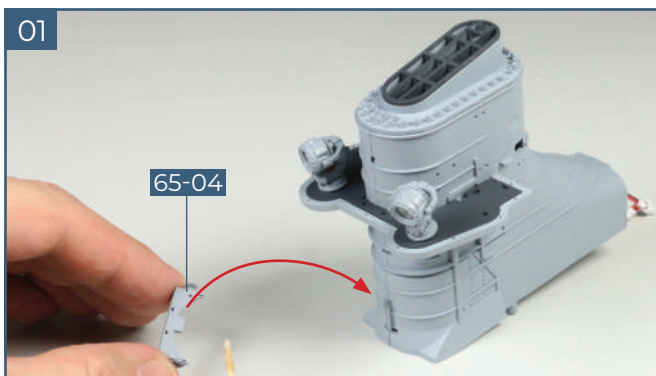


Take the second cable **65-07** and attach the label **65-09** (B-13) near the connector, as shown.



Repeat steps 2 to 10 to assemble the second searchlight.

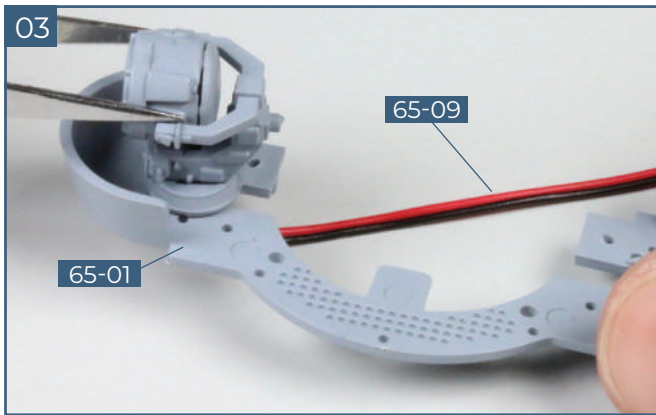
02. FITTINGS FOR THE FUNNEL



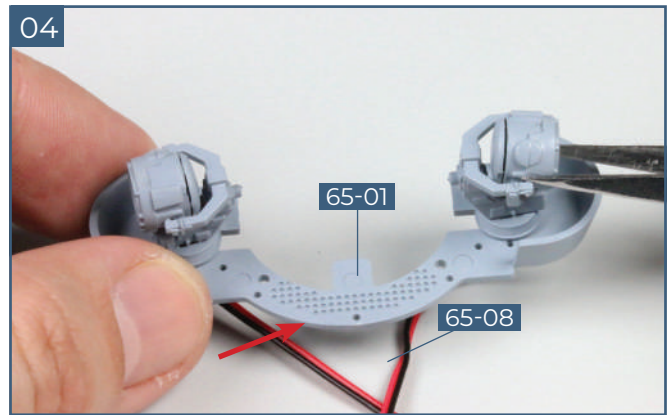
Place the funnel assembly from stage 63 on your work surface. Apply a little superglue to the central tab on the funnel extension **65-04**.



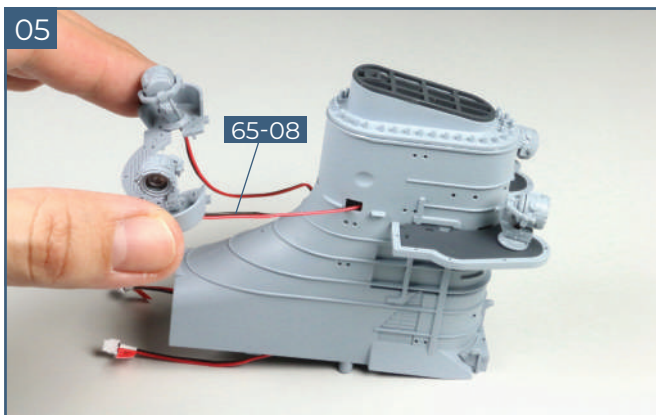
Fit the funnel extension in place at the base of the funnel assembly, at the rear, as shown.



Take the forward searchlight platform **65-01** and the cable with label marking **65-09** (B-13). Fit the searchlight on the platform over the slot on the starboard side, so that the cable goes through the slot and the searchlight faces outwards. Glue in place.



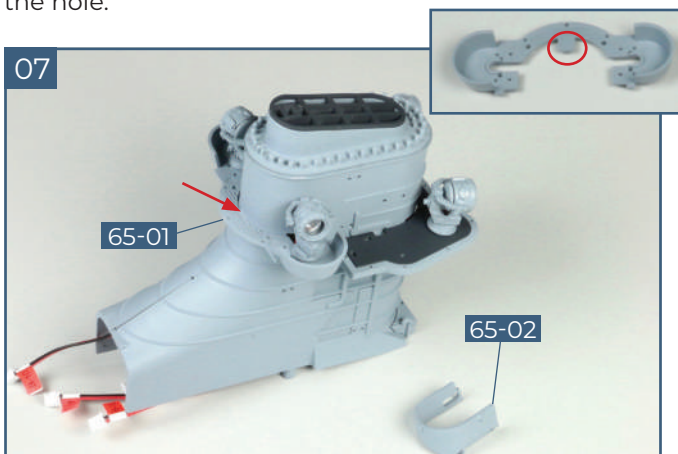
Fit the searchlight with cable marking **65-08** (B-12) on the other side of the searchlight platform **65-01** in the same way, as shown. Glue in place. This is the port side of the platform.



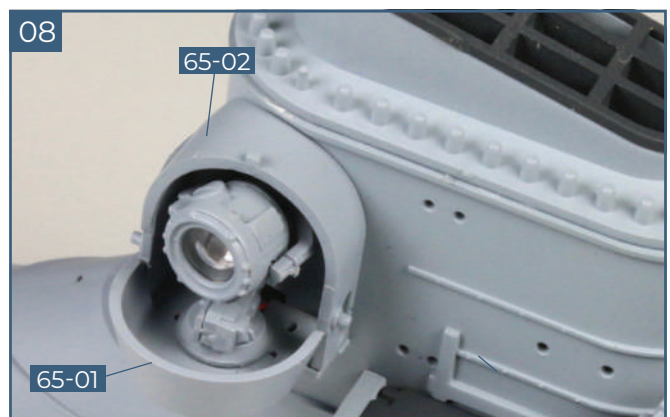
Identify the hole on the port side of the funnel and thread the cable connector with label **65-08** through the hole.



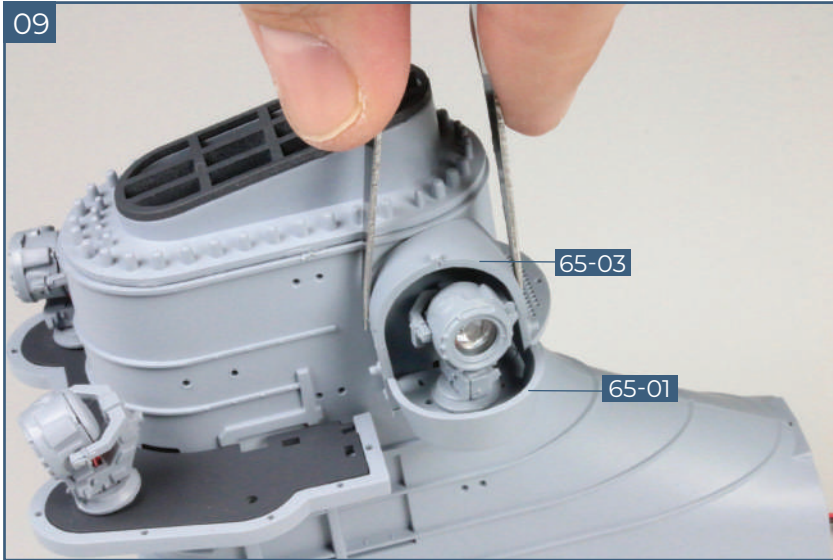
On the other side of the funnel, thread the cable connector with label **65-09** through the hole in the side of the funnel.



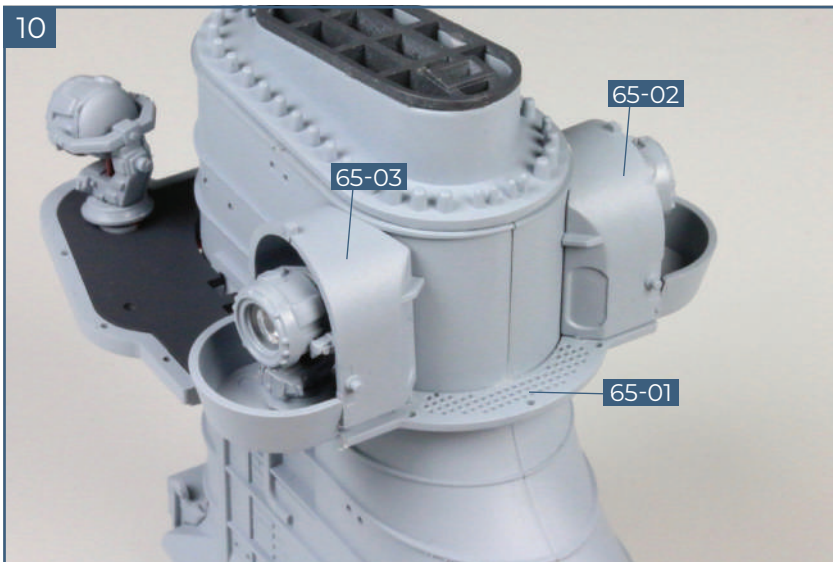
Identify the tab on the platform 65-01 (circled in inset) and the matching slot in the funnel (arrow). Apply a little superglue to the tab and glue it in place, as shown. The next step is to fit the hood **65-02**.



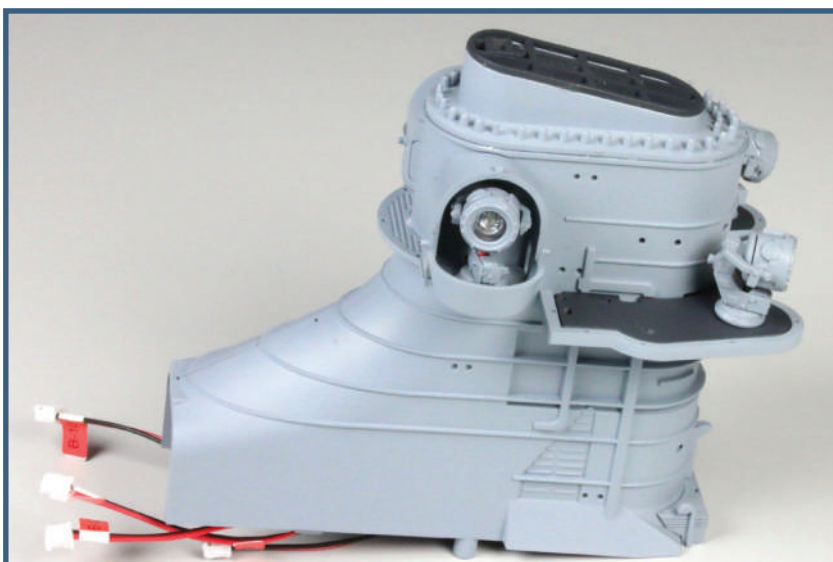
Fit the hood **65-02** over the port searchlight and check the fit and the contact points at the base of the hood. Apply a little superglue and fix the hood in place on the platform **65-01**.



Take the starboard protective hood **65-03** and, as before, check the fit over the starboard searchlight. Apply a little superglue to fix in place.



This shows the port and starboard protective hoods, **65-02** and **65-03**, viewed from the front of the funnel.



Completed work

Two more searchlights have been assembled and fitted to a platform. The platform has been fixed to the front of the funnel. There are now four searchlight cables running through the funnel.

STAGE 66

THE NEXT SECTION OF THE HULL



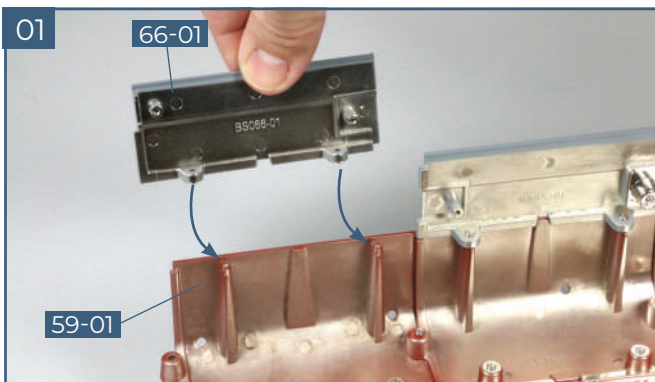
COMPONENTS CHECKLIST

66-01: Upper port hull section

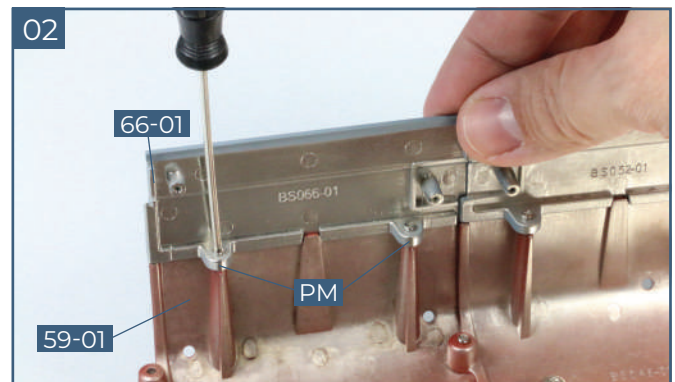
PM: Five 2 x 4mm PM screws

66-02: Connector

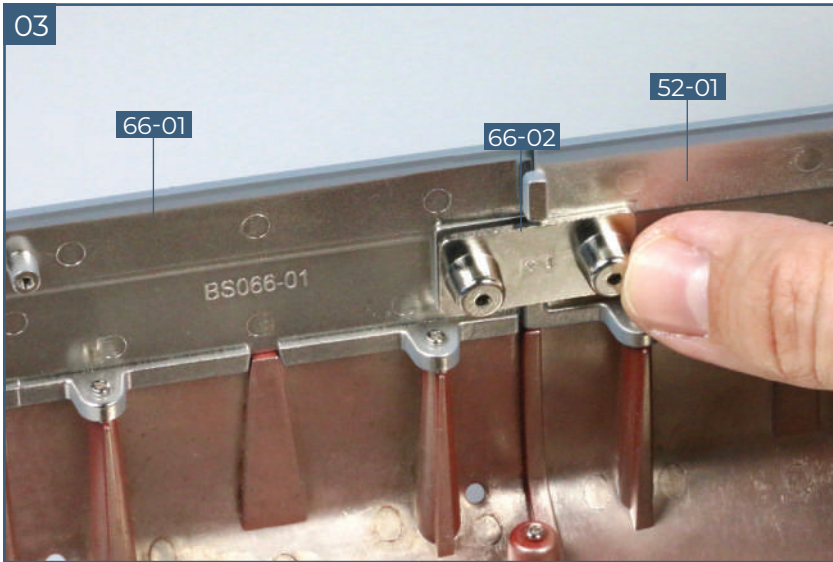
01. ASSEMBLING THE NEXT HULL SECTION



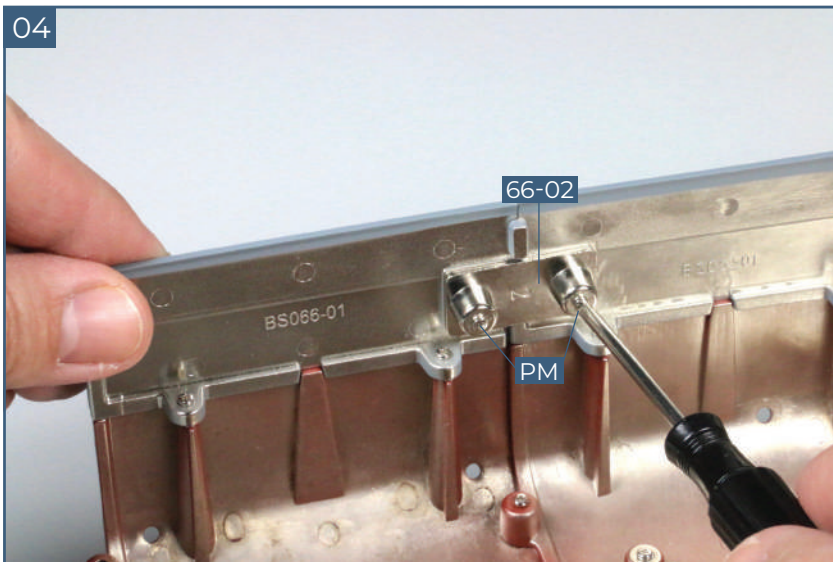
Place the hull assembly on your work surface. Position the upper port hull section **66-01** against the lower port hull section **59-01**, as indicated by the arrows.



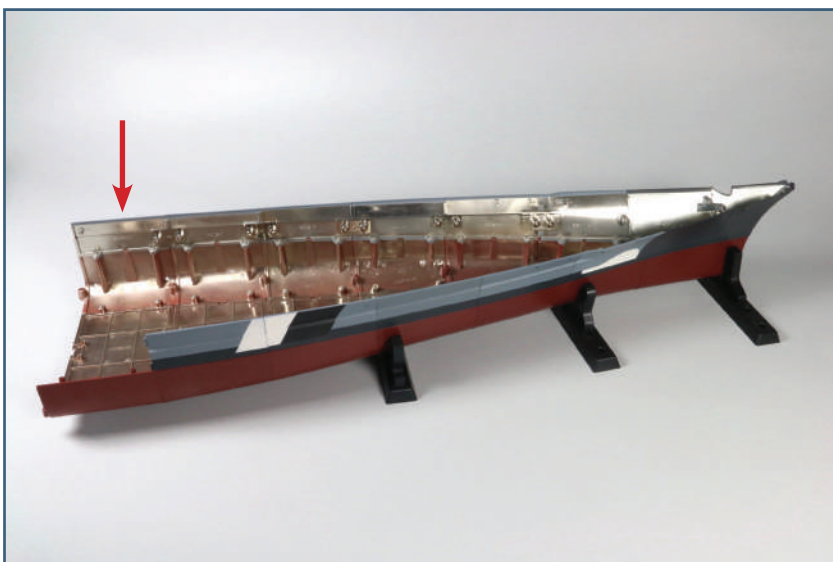
Fix the upper left hull section **66-01** to part **59-01** with two **PM** screws, as shown.



Fit the connector **66-02** across the joint between hull sections **66-01** and **52-01** so that the screw sockets on part **66-02** fit over the raised screw sockets on parts **66-01** and **52-01**.



Fix the connector **66-02** in place with two **PM** screws, as shown.

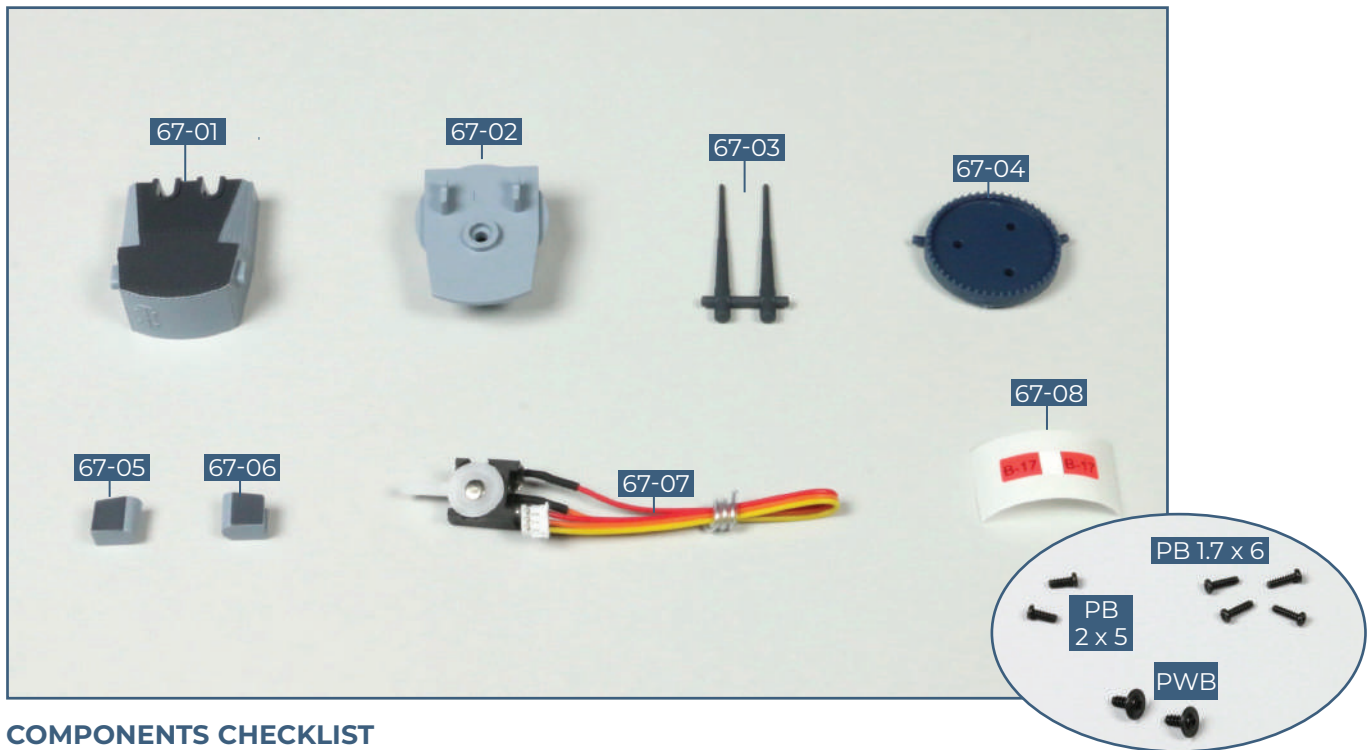


Completed work

Another section of the hull has been fixed in place.

STAGE 67

THE THIRD 15CM GUN TURRET



COMPONENTS CHECKLIST

67-01: 15cm gun housing
(BBII – second port turret)

67-02: Gun turret base plate

67-03: Gun barrels with cradle

67-04: Cog

67-05: Left rangefinder hood

67-06: Right rangefinder hood

67-07: Cable and switch

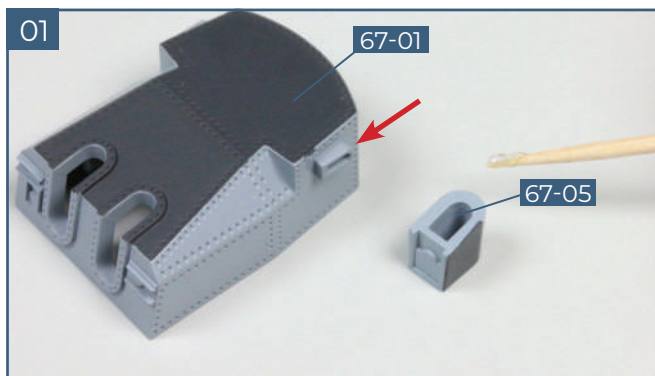
67-08: Cable label

PB: Two 2 x 5mm PB screws

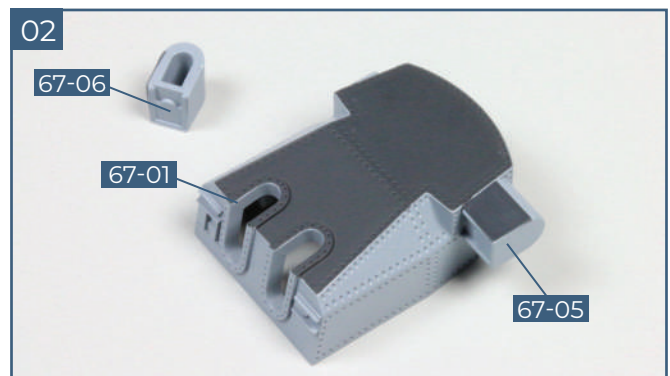
PB: Four 1.7 x 6mm PB screws

PWB: Two 2.3 x 4mm PWB screws

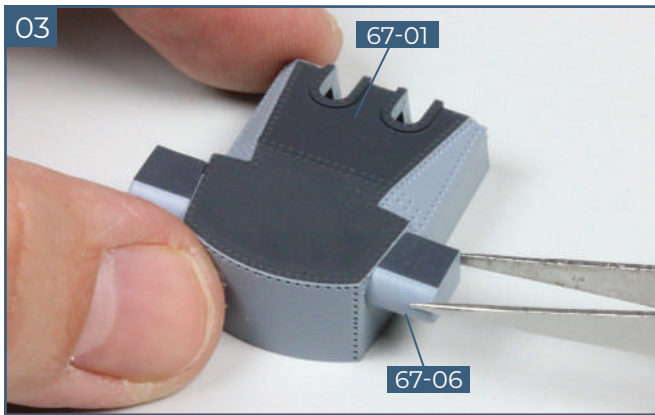
01. ASSEMBLING THE THIRD 15cm GUN TURRET



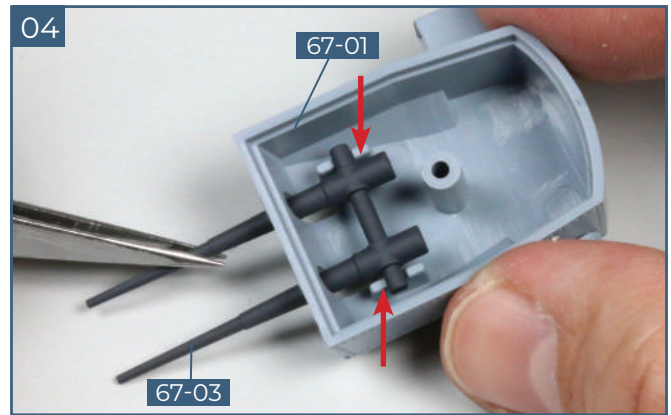
Take the gun turret housing **67-01** and the left rangefinder hood **67-05**. Check the fit of the hood on the left side of the housing (arrow). Apply a little superglue to the rim of part **67-05**.



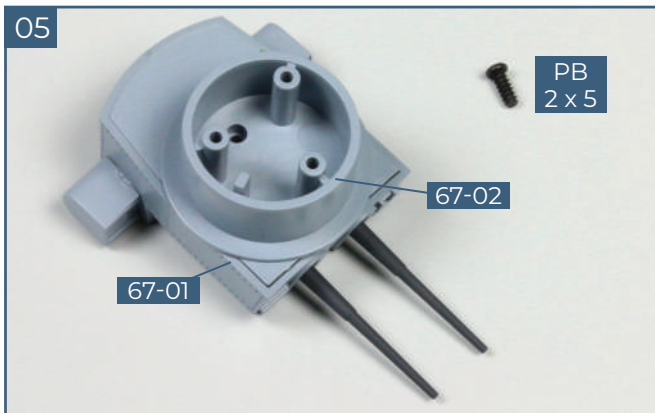
Fix the hood **67-05** to the side of part **67-01**. Check the fit of the right rangefinder hood **67-06**.



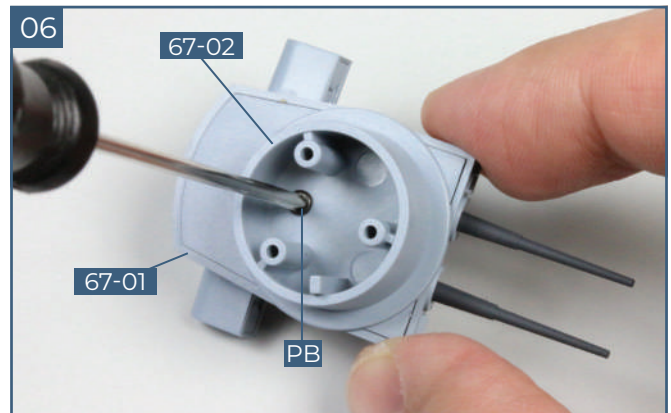
Glue the right rangefinder hood **67-06** to the gun housing **67-01** as shown.



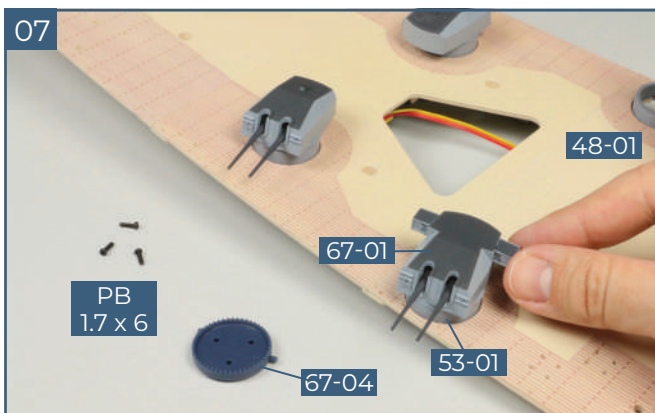
Turn the gun housing **67-01** over and insert the gun barrels **67-03** so that the pegs of the cradle rest in the recesses of the tabs in the housing (arrows).



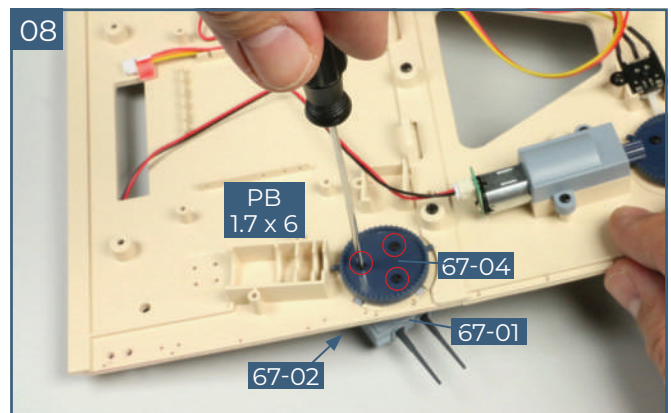
Fit the gun base plate **67-02** to the underside of the gun housing **67-01**. Have a **PB** 2 x 5mm screw ready.



Fix the base plate **67-02** in place using the **PB** 2 x 5mm screw.

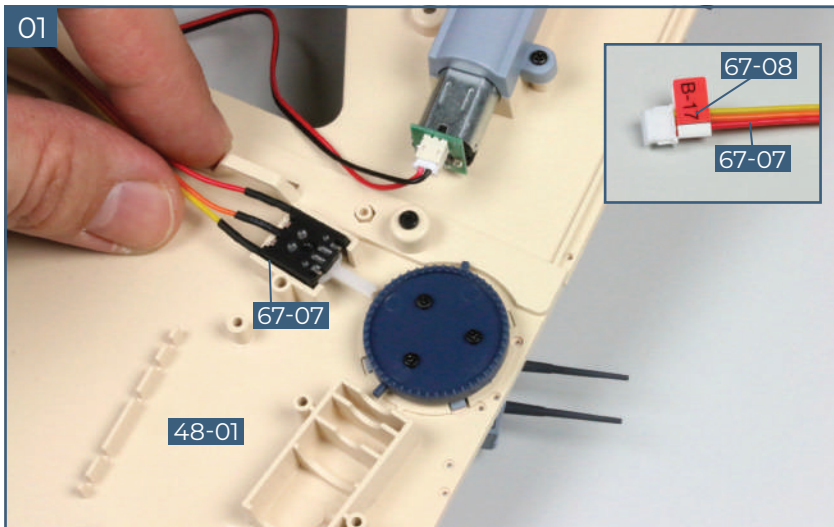


Take the upper deck assembly **19-01/22-01/48-01**, and the cog **67-04**. You will also need three **PB** 1.7 x 6mm screws. Fit the gun turret **67-01** on the port barbette **53-01** as shown.

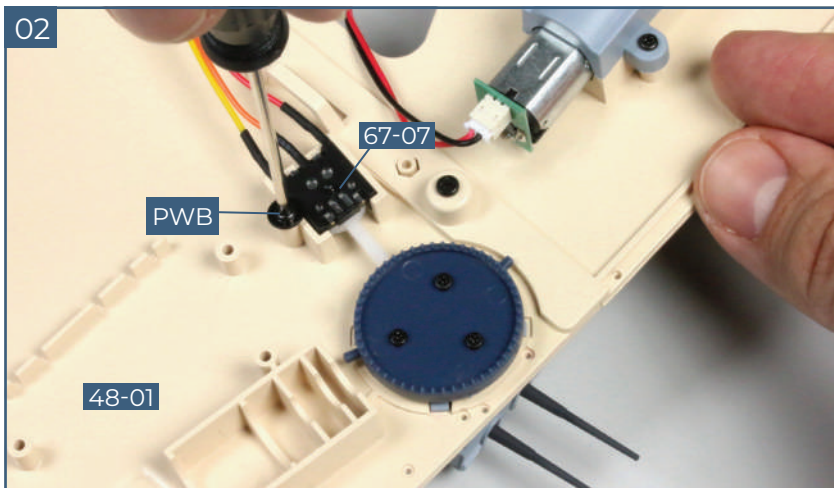


Hold the gun turret **67-01** in place and carefully turn the deck assembly over. Fit the cog **67-04** on the gun base plate **67-02** (not visible from this angle). A tab inside the base plate fits into a recess in the cog. Fix in place with three **PB** 1.7 x 6mm screws (circled).

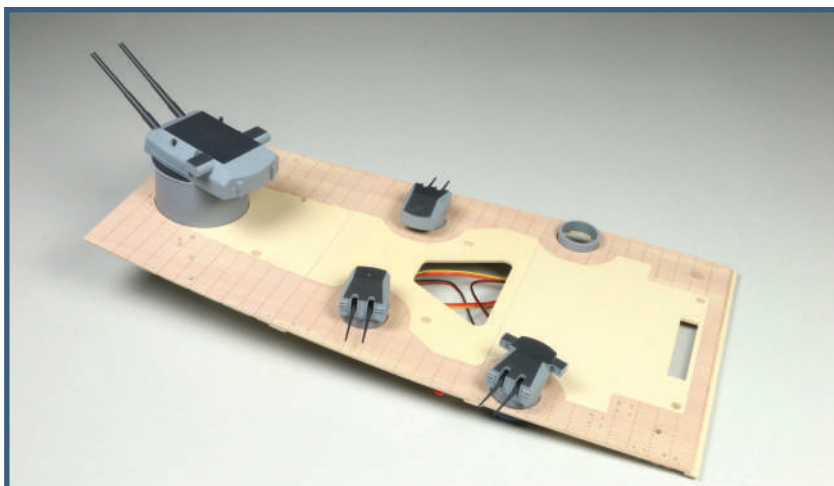
02. FITTING THE SWITCH



Wrap the cable label **67-08** around cable **67-07** near the connector (inset). Take the switch **67-07** and fit it in the recess on the underside of upper deck section **48-01**.



Fix the switch **67-07** in place with a **PWB** screw, as shown.

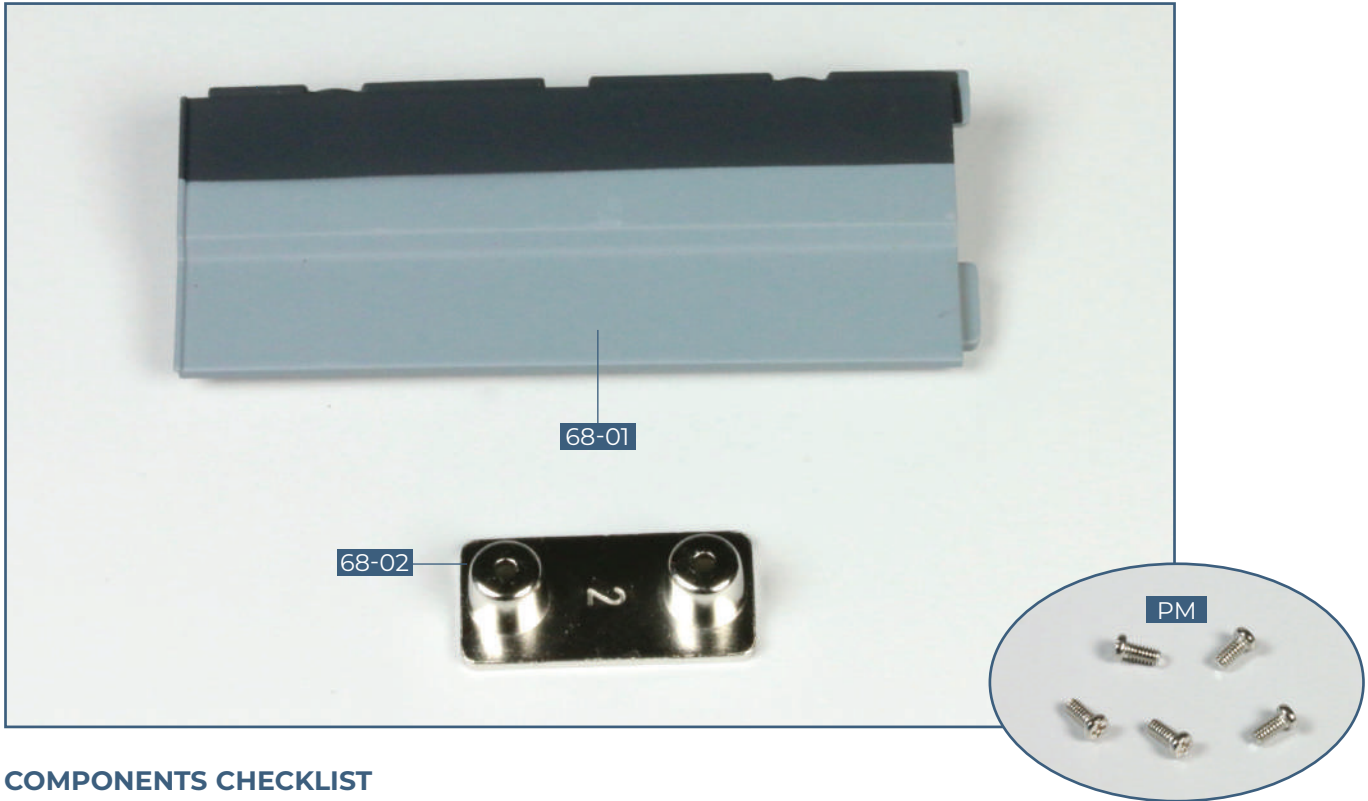


Completed work

The third 15cm gun turret (the second on the port side) has been assembled and fitted to the upper deck structure.

STAGE 68

THE NEXT SECTION OF THE HULL



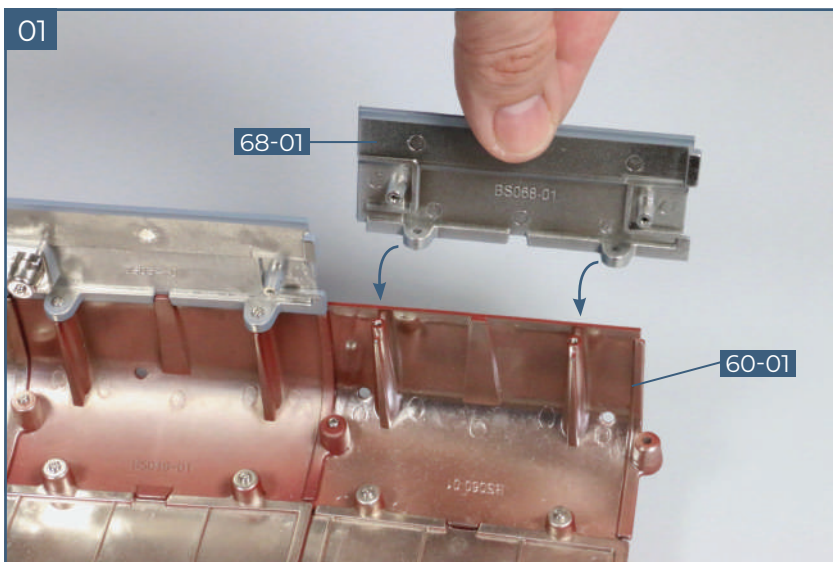
COMPONENTS CHECKLIST

68-01: Upper starboard hull section

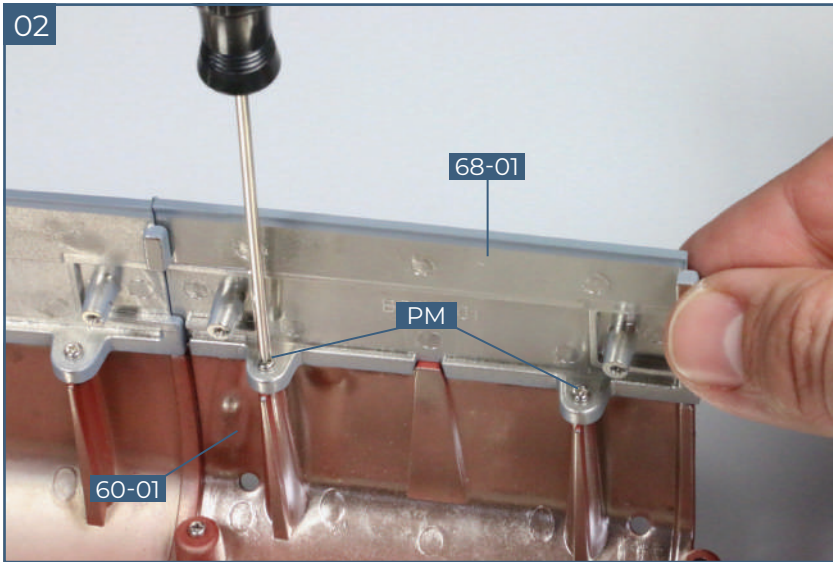
68-02: Connecting piece

PM: five 2 x 4mm PM screws

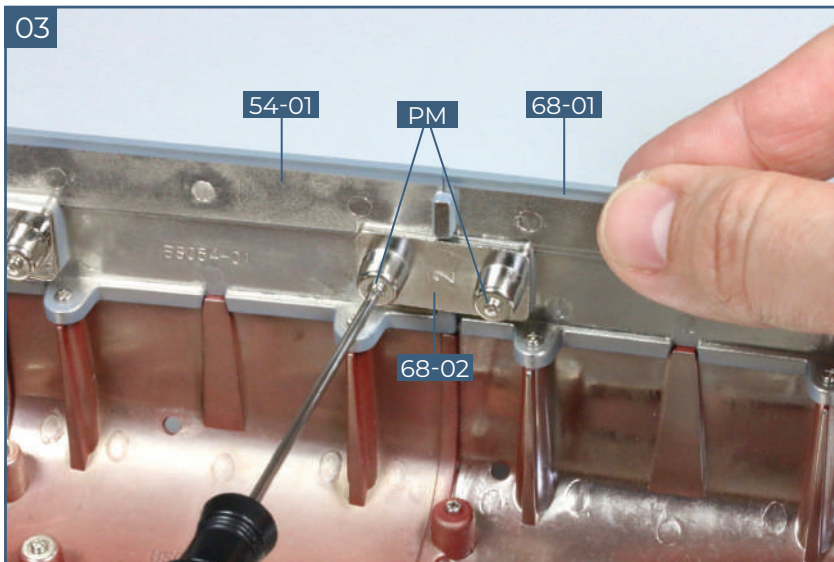
01. FITTING THE HULL SECTION



Check the fit of hull section **68-01**. The tabs with screw holes on the lower edge fit over the screw sockets in part **60-01**.



Fix the upper starboard hull section **68-01** in place with two **PM** screws, as shown.



Use the connector **68-02** to join hull section **68-01** to hull section **54-01**, so that the screw sockets in part **68-02** fit over the raised screw sockets in the hull sections. Fix in place with two **PM** screws.



Completed work
Another section has been added to the hull.