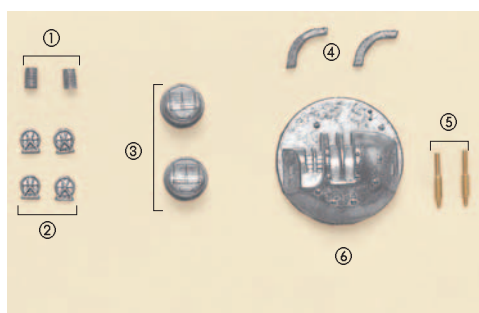




# Anti-aircraft guns with shielding, machine-gun firing control mechanisms and winches



- ① Winch pin x 2
- ② Sides of winch x 4
- ③ Machine-gun firing control mechanism x 2
- ④ Platform of anti-aircraft guns x 2
- ⑤ Barrels of anti-aircraft guns x 2
- ⑥ Base of anti-aircraft guns

## Recommended tools and materials

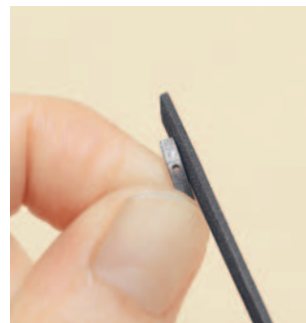
- Fast-drying glue
- Metal file
- Sandpaper (grain no. 800)
- Putty
- Craft knife
- Wooden spatula
- Double-sided adhesive tape
- Paintbrush
- Metal primer
- Paint primer
- Spray paint (battleship grey)
- Watercolour (battleship grey, matt black, matt white, light brown)

## ANTI-AIRCRAFT GUNS WITH SHIELDING

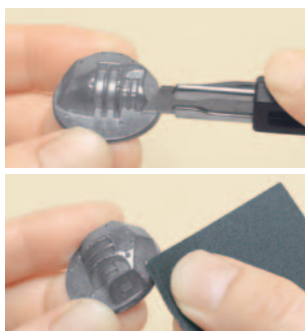
**1** Remove any irregularities and projections from pieces **4**, **5** and **6** with the metal file.



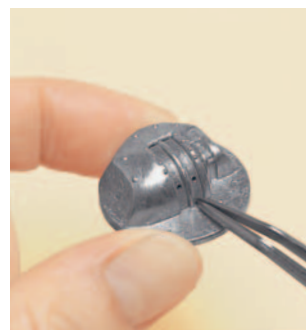
**4** Checking against Step 6, fit pieces **4** in piece **6**. If they go in with difficulty, adjust the outline with the metal file.



**2** Where the file will not reach, use the tip of the craft knife, taking care not to damage the surrounding parts. Smooth the surfaces of pieces **4**, **5** and **6** with sandpaper grain no. 800, without changing the original shape.



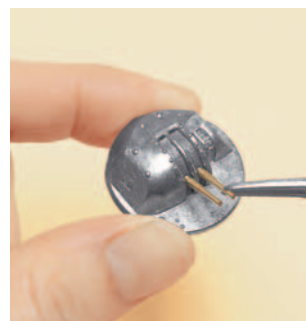
**5** Hold piece **6**, as shown in the photo, and, with fast-drying glue, fix a piece **4** in each cavity. Place the pieces **4** with the hole at the bottom.



**3** Correct any depressions in the pieces by pushing putty into the cavities with a small wooden spatula. When dry, remove the excess putty with sandpaper grain no. 800.



**6** Insert pieces **4** in each hole of piece **6**, in the position shown in the photo, and fix with fast-drying glue. You have now made the anti-aircraft guns with shielding.

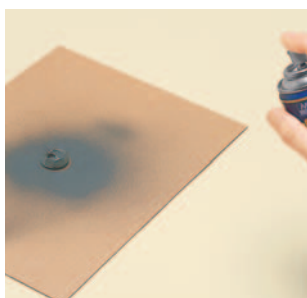


**7** From a distance of 30cm, spray metal primer evenly on the anti-aircraft guns with shielding. It is easier if you secure the pieces on cardboard with double-sided adhesive tape.



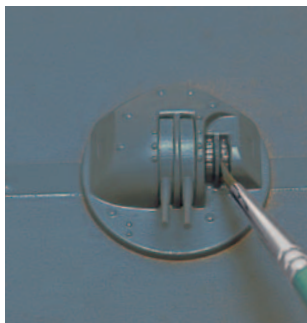
💡 When using metal primer, ventilate the room well and follow the instructions on the packaging.

**8** When the primer is dry, spray a light coat of battleship grey on the anti-aircraft guns with shielding, from a distance of 30cm. Repeat several times from different angles, always allowing the paint to dry between coats.



💡 When using spray paint, ventilate the room well and follow the instructions on the packaging.

**9** When the paint is dry, paint the small cavities with a mixture of matt black and battleship grey watercolours in a ratio of 1 to 2.



**10** Take the command bridge and all the anti-aircraft guns with shielding built so far. As shown in the photo, fix with fast-drying glue one of the guns on the forward port side of the command bridge. Make the edge of the guns fit the contours of the circle drawn on the bridge. The barrels should point to the side.



**11** As in the previous step, fix two more anti-aircraft guns with shielding, both in the centre and on the port side aft of the bridge.

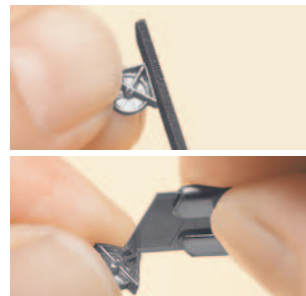


**12** Following Steps 11 and 12, fix the other three anti-aircraft guns with shielding on the starboard side of the command bridge.



## MACHINE-GUN FIRING CONTROL MECHANISM AND WINCHES

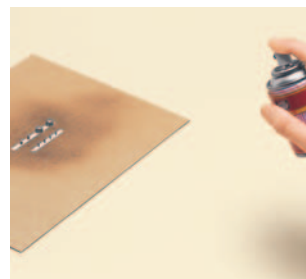
**13** Remove any irregularities and projections from pieces 1, 2 and 3 with the metal file. Where the file cannot reach, use the tip of the craft knife, being careful not to damage the surrounding parts.



**14** Smooth pieces 1, 2 and 3 with sandpaper grain no. 800, without changing their original shape. Fill any holes or depressions on the surface with putty, wait until dry and remove any excess with sandpaper grain no. 800.

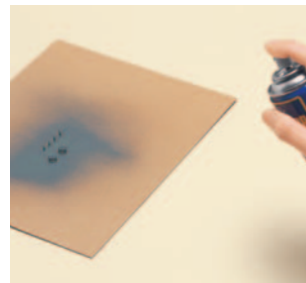


**15** From a distance of 30cm, spray metal primer evenly on pieces 1, 2 and 3. It is easier if you secure the pieces on cardboard with double-sided adhesive tape.



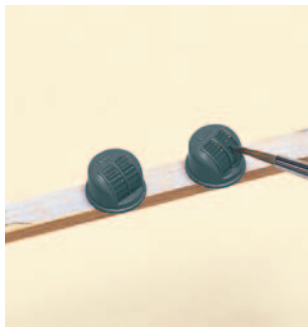
💡 When using metal primer, ventilate the room well and follow the instructions on the packaging.

**16** When the primer is dry, spray a light coat of battleship grey on pieces 1, 2 and 3 from a distance of 30cm. Repeat several times and from different angles, always allowing the paint to dry.

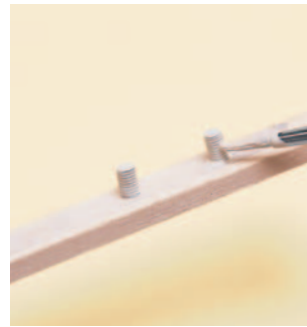


💡 When using spray paint, ventilate the room well and follow the instructions on the packaging.

**17** Secure pieces **3** on a wooden strip and paint the cavities with a mixture of matt black and battleship grey watercolours in a proportion of 1 to 2. You have now made the machine-gun firing control mechanisms.



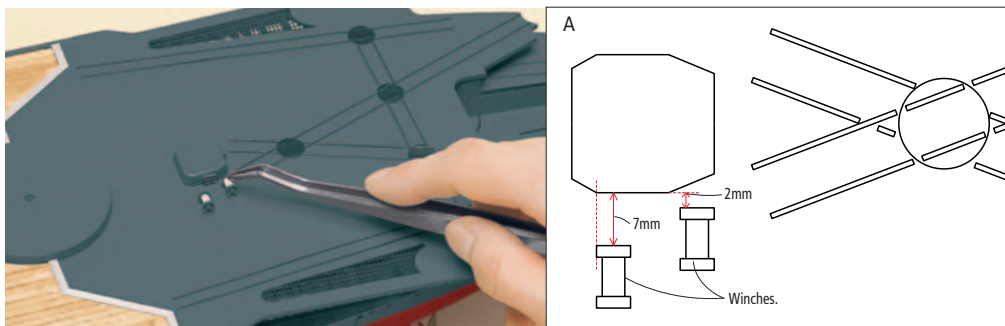
**18** Fix pieces **1** on a wooden rod and paint the cavities with a mixture of matt white and light brown watercolours in the proportion of 10 to 1.



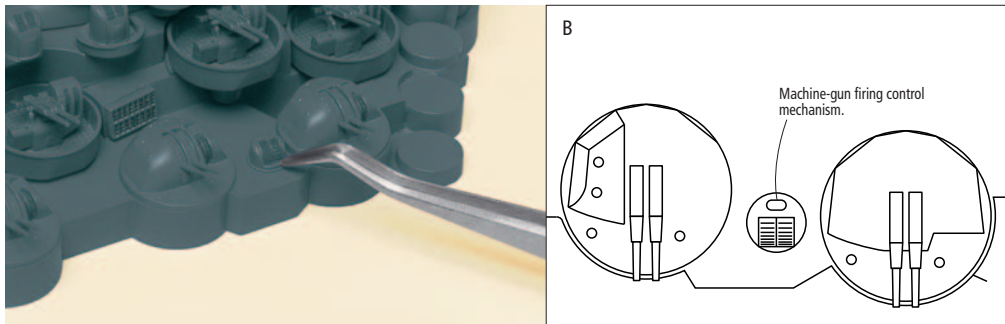
**19** Place a piece **2** with the flat side facing you. In the centre of the circle, fix a piece **1** with fast-drying glue, as shown in the photo (right). Then fix on the opposite side of piece **1** another piece **2**. Work on a flat surface, as shown in the photo (far right), so that the bases of the pieces **2** are aligned.



**20** In Step 19 you made a winch. Make another and fix both with fast-drying glue on the rear deck of the ship, checking against Figure A.



**21** Place the bridge as shown in the photo and, with fast-drying glue, fix one of the machine-gun firing control mechanisms on the port side (Figure B).



**22** As in Step 21, fix the other machine-gun firing control mechanisms on the starboard side.



## COMPLETED PIECES

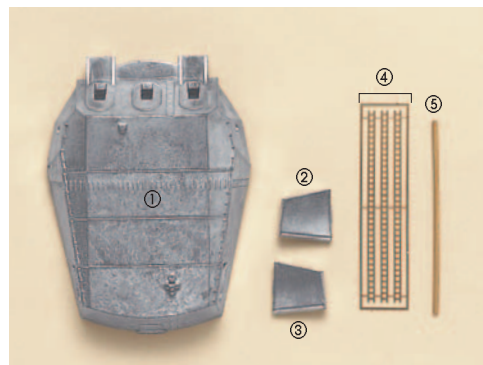
### WINCHES







# Main guns turret



- ① Main guns turret
- ② Rangefinder (right)
- ③ Rangefinder (left)
- ④ Rung ladder
- ⑤ Rod

## Recommended tools and materials

- Fast-drying glue
- Metal file
- Round metal file
- Sandpaper grain no. 800
- Putty
- Wooden spatula
- Craft knife
- Ruler
- Silver foil
- Double-sided adhesive tape
- Long-nosed pliers
- Awl
- Hand drill (bits 0.5mm and 1.2mm)
- Metal primer
- Spray paint (battleship grey)

## MAIN GUNS TURRET

**23** Remove any irregularities and projections from pieces **1**, **2** and **3** with the metal file.



**24** Where the file cannot reach, use the tip of the craft knife, taking care not to damage the surrounding parts.



**25** Smooth the surfaces of pieces **1**, **2** and **3** with sandpaper grain no. 800, without changing the original shape.



**26** Fill any hollows on pieces **1**, **2** and **3** by pushing putty deep into the cavities with a wooden spatula. When dry, remove the excess putty with sandpaper grain no. 800.

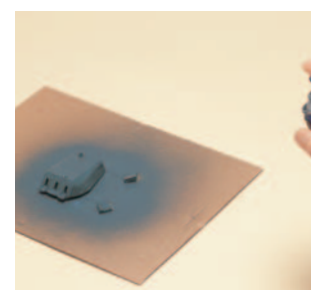


**27** From a distance of 30cm, spray metal primer evenly on pieces **1**, **2** and **3**. It is easier if you secure the pieces on cardboard with double-sided adhesive tape.



⚠ When using metal primer, ventilate the room well and follow the instructions on the packaging.

**28** When the primer is dry, spray a light coat of battleship grey on the pieces from a distance of 30cm. Repeat the operation several times from different angles, always allowing the paint to dry between coats.

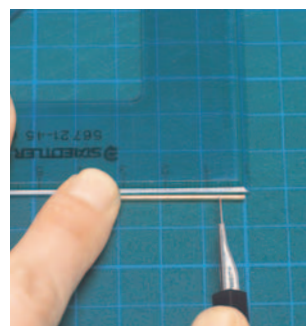


⚠ When using spray paint, ventilate the room well and follow the instructions on the packaging.

**29** To make the windows of the rangefinders, cut two squares with sides of about 3mm from a sheet of silver foil. Then, as shown in the photo, fix them in the recesses of pieces 2 and 3 with fast-drying glue.



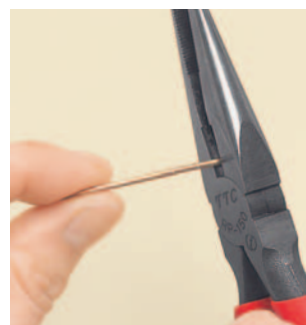
**34** Cut piece 5 to get three segments 6mm long. Then, as shown in the photo, fit piece 5 against the ruler and, starting from the extreme right, make reference marks at intervals of 6mm.



**30** Holding piece 1 as shown in the photo, fix piece 2 with fast-drying glue in the recess on the left side.



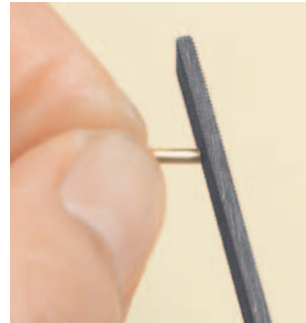
**35** With the long-nosed pliers, cut piece 5 at the marks made in Step 34.



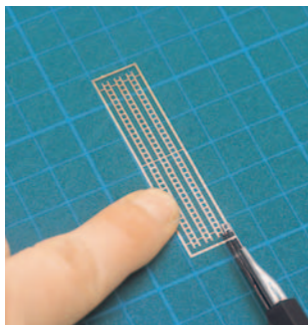
**31** As in Step 30, fix piece 3 in the recess on the right side of piece 1. You have built the main guns turret.



**36** Use the metal file to smooth the ends of each 5 segment, taking care not to reduce the length.



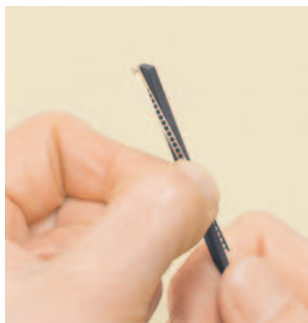
**32** Detach pieces 4 by cutting along the joins with the craft knife.



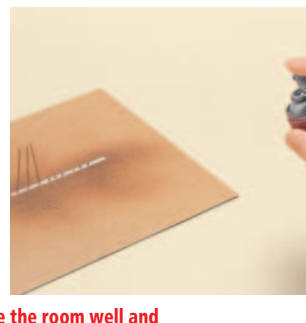
**37** Divide each segment 5 in half (as shown in the photo, you should hold the tip of the segment in order not to lose the piece once cut). This results in six segments, each approximately 3mm in length.



**33** Smooth the cuts of pieces 4 with the metal file.

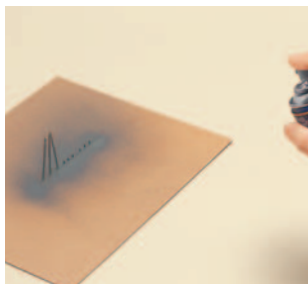


**38** From a distance of 30cm, spray metal primer evenly on pieces 4 and the segments of 5. It is easier if you secure them to cardboard with double-sided adhesive tape.



⚠ When using metal primer, ventilate the room well and follow the instructions on the packaging.

**39** When the primer is dry, from a distance of 30cm spray the pieces created in Step 38 with a light coat of battleship grey. Repeat the operation several times from different angles, always allowing the paint to dry between coats.



When using spray paint, ventilate the room well and follow the instructions on the packaging.

**40** Checking against the photo, drill a hole with the 1.2mm-diameter bit in the main guns turret completed in Step 31. Drill another hole on the opposite side. Some part may be supplied pre-drilled, in which case Steps 40 to 45 will be not be required.



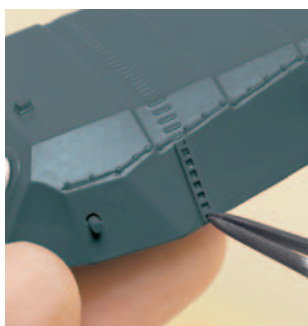
**41** Checking against Step 42, fit a segment 5 in the holes. If the segment only goes in with difficulty, widen the hole with the round file, as shown in the photo.



**45** As in Steps 40 to 42, fit the segments 5 on the main guns built earlier. If the holes are too small, after making a mark with an awl, proceed with the hand drill, first using the 0.5mm-diameter bit and then the 1.2mm.



**46** As in Steps 43 and 44, fit pieces 4.



**42** In each hole drilled in Step 40 insert a segment 5, fixing it with fast-drying glue so that it comes about 1.2mm out of the main guns turret.



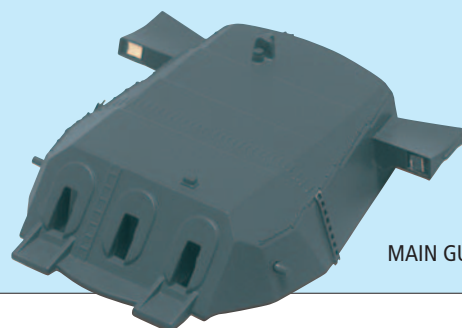
**43** On the sides of the main turret, at the points with the stamped shape of the rung ladder, fix a segment of piece 4 with fast-drying glue, after having cut it to size. Remember to do this on both sides.



**44** As in Step 43, fix a piece 4 on the back of the main guns turret at the point with the stamped form of the ladder. Do not fit the ladder on the upper surface nor, for the moment, on the front.



## COMPLETED PIECES

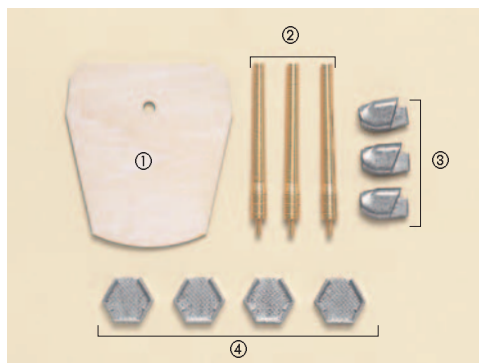
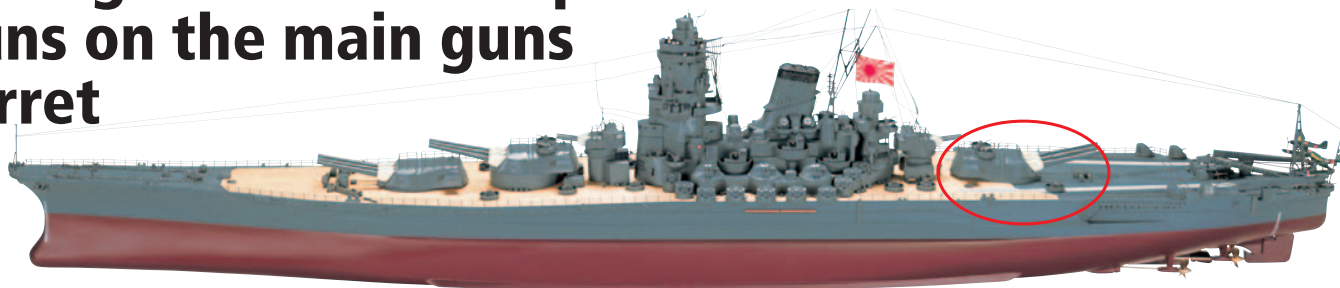


MAIN GUNS TURRET





# Main gun barrels and platforms for the machine-guns on the main guns turret



- ① Wooden board
- ② Main gun barrels x 3
- ③ Base of main guns x 3
- ④ Machine-gun platform x 4

## Recommended tools and materials

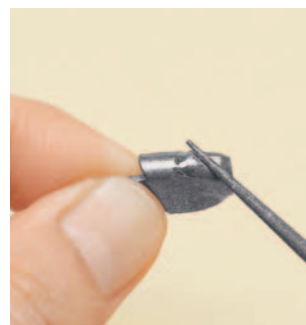
- Fast-drying glue
- Metal file
- Sandpaper (grain nos. 400 and 800)
- Putty
- Wooden spatula
- Craft knife
- Double-sided adhesive tape
- Cutters
- Metal primer
- Paint primer
- Spray paint (battleship grey)
- Watercolour (matt white, tamiya red)

## MAIN GUN BARRELS

**47** Remove any irregularities and projections from pieces **2** and **3** with the metal file.



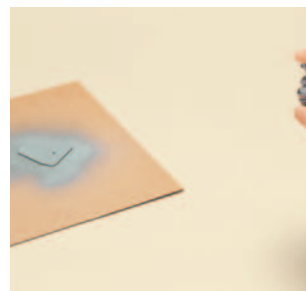
**50** Pieces **3** represent the fabric parts at the base of the gun barrels. To make them more realistic, emphasize the folds with the metal file or sandpaper.



**48** Smooth the surfaces of pieces **2** and **3** with sandpaper grain no. 800, taking care not to alter the original shape.



**51** From a distance of 30cm, spray paint primer evenly on piece **1**. It is easier if you secure it to cardboard with double-sided adhesive tape. When dry, smooth the piece with sandpaper grain no. 400.



⚠ When using paint primer, ventilate the room well and follow the instructions on the packaging.

**49** With a small wooden spatula, fill any hollows in pieces **2** and **3** with putty, pushing it deeply into the cavities. When dry, remove the excess putty with sandpaper grain no. 800.

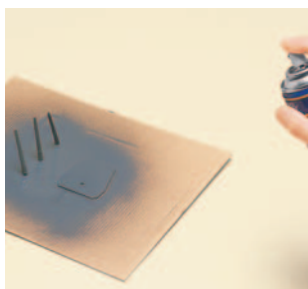


**52** From a distance of 30cm, spray metal primer evenly on pieces **2** and **3**. It is easier if you secure them to cardboard with double-sided adhesive tape.



⚠ When using metal primer, ventilate the room well and follow the instructions on the packaging.

**53** When the primer is dry, spray pieces **1** and **2** with a light and even coat of battleship grey, keeping the canister about 30cm away.



⚠ When using spray paint, ventilate the room well and follow the instructions on the packaging.

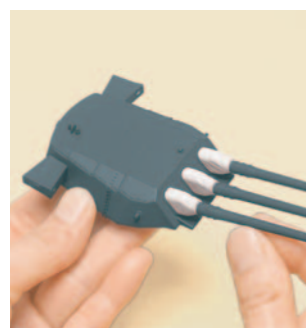
**54** Repeat the operation several times from different angles, always allowing the paint to dry between coats.



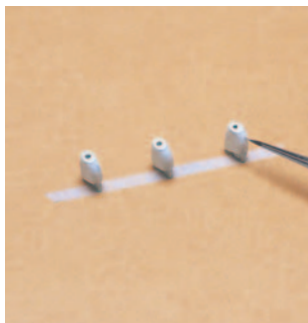
**58** Apply fast-drying glue on the projection of a piece **2** and insert it into the hole in piece **3**. You have now made a main gun barrel. Make two more.



**59** Take the unit assembled in Steps 57 and 58, as shown in the photo. Insert the projections of pieces **3** in the relevant holes of the main guns turret and fix them with fast-drying glue.

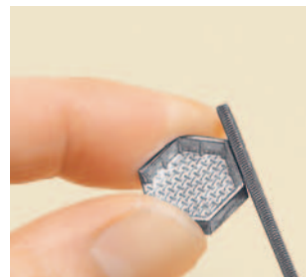


**55** As shown in the photo, secure pieces **3** with double-sided adhesive tape and paint them with a mixture of matt white and tamiya red watercolours in the proportion of 2 to 1.



## MACHINE-GUN PLATFORMS

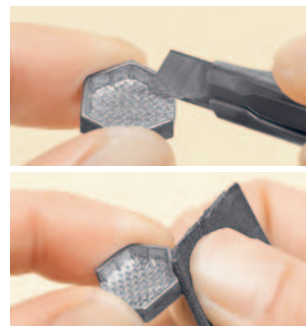
**60** With the metal file, remove from pieces **4** any irregularities and projections.



**56** Take the main guns turret made in the previous steps. Checking against Step 57, insert piece **1** in the back of the turret. If it is too large, adjust the size by smoothing the edges with sandpaper.



**61** Where the file cannot reach, use the tip of the craft knife, being careful not to damage the surrounding parts. Smooth the surfaces of pieces **4** with sandpaper grain no. 800, without changing the original shape.



**57** Insert piece **1** in the back of the main guns turret, fixing it with fast-drying glue.

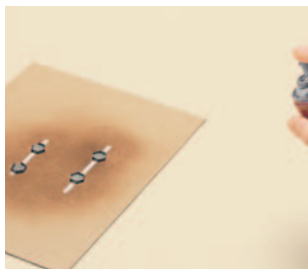


**62** Fill any hollows in pieces **4** with putty, using a wooden spatula and pushing it deeply into the cavities. When dry, remove the excess with sandpaper grain no. 800.





**63** From a distance of 30cm, spray metal primer evenly on pieces 4. It is easier if you secure them to cardboard with double-sided adhesive tape.

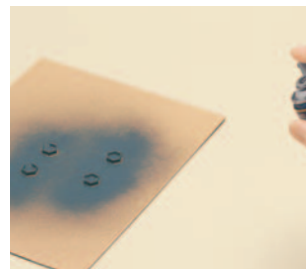


⚠ When using metal primer, ventilated the room well and follow the instructions on the packaging.

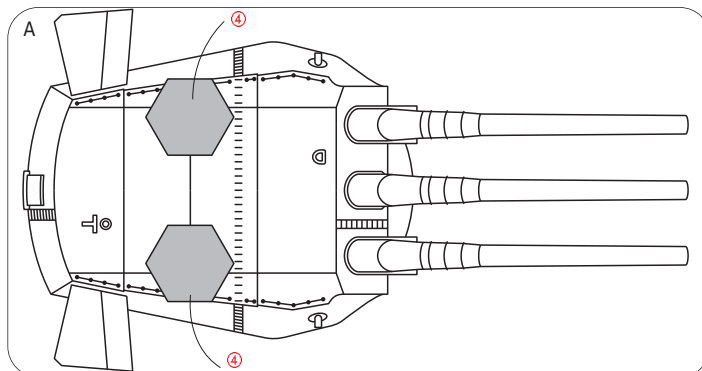
**65** Place two pieces 4 on two of the three main guns turrets, as shown in the photo, and fix with fast-drying glue (see Figure A). The open sides must be oriented inwards, as shown in the photo.



**64** When the primer is dry, from a distance of 30cm spray a light coat of battleship grey on pieces 4. Repeat the operation several times from different angles, always waiting for the paint to dry between coats.



⚠ When using spray paint, ventilate the room well and follow the instructions on the packaging.



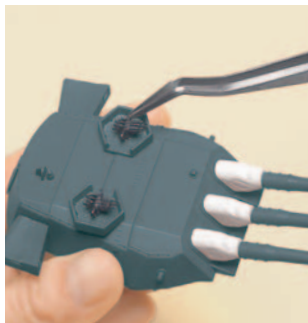
**66** Take the four sets of machine-guns built so far and flatten the bottoms, removing projections with the cutters.



**69** As described in Step 68, fix with fast-drying glue another set of guns on the platform one step below.



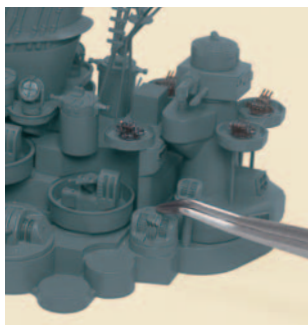
**67** With fast-drying glue, fix a set of machine-guns at the centre of each piece 4. The machine-gun barrels should point in the same direction as the barrels of the main guns.



**70** With fast-drying glue, fix another set of guns on the platform, one step below that in Step 69. Similarly, fix the other three sets of guns on the platforms on the starboard side.



**68** Take the bridge and six sets of machine-guns with shielding assembled earlier. As shown in the photo, using fast-drying glue, fix a set on the round platform on the port side aft of the bridge. The barrels must be turned toward the side.



## COMPLETED PIECES

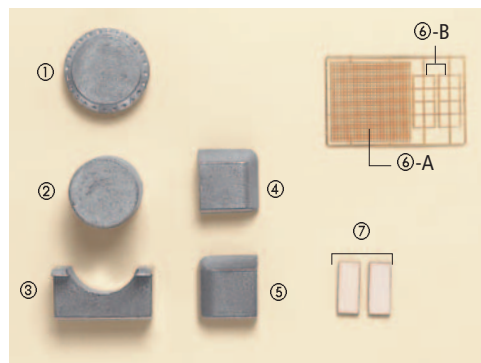
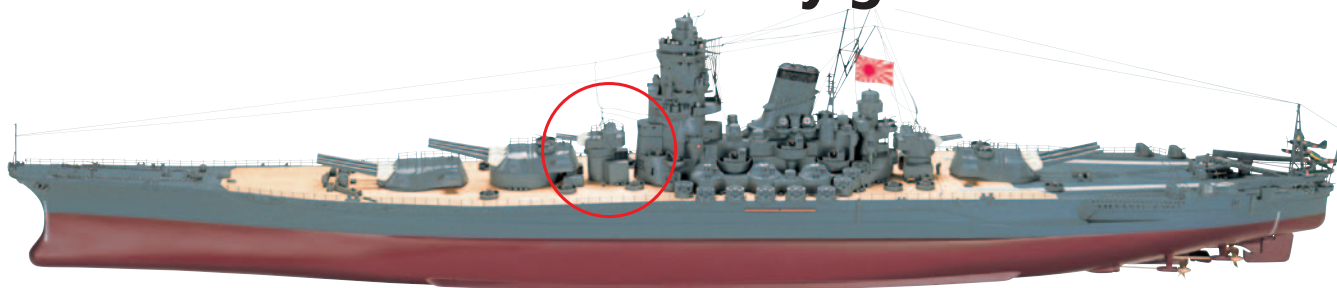
MAIN GUNS BARRELS  
AND PLATFORMS FOR  
MACHINE GUNS

MACHINE-GUNS WITH  
SHIELDING ON THE  
BRIDGE





## Base of the forward secondary gun



- ① Base of the forward secondary gun
- ② Base of the forward secondary gun
- ③ Base of the forward secondary gun
- ④ Base of the forward secondary gun (port side)
- ⑤ Base of the forward secondary gun (starboard side)
- ⑥ Finishing board
- ⑦ Slat x 2

### Recommended tools and materials

- Fast-drying glue
- Metal file
- Sandpaper (grain nos. 400 and 800 )
- Putty
- Wooden spatula
- Ruler
- Pencil
- Craft knife
- Double-sided adhesive tape
- Paintbrush
- Paint primer
- Metal primer
- Spray paint (battleship grey)
- Watercolour (battleship grey, matt black)

### BASE OF THE FORWARD SECONDARY GUN

**71** Remove any irregularities and projections from pieces 1 to 5 with the metal file.



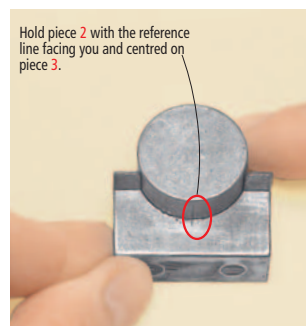
**74** Make a vertical reference mark along the height of piece 2 with a pencil.



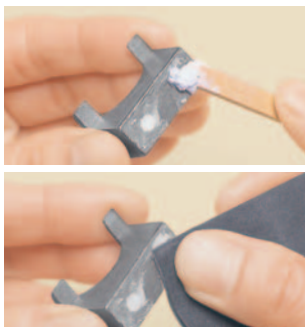
**72** Smooth the surfaces of pieces 1 to 5 with sandpaper grain no. 800, without changing the original shape.



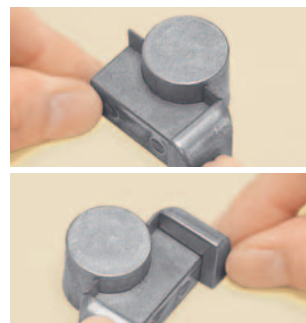
**75** Insert piece 2 in the semi-circular recess of piece 3 and fix with fast-drying glue. Holding piece 3, as shown in the photo, fix piece 2 with the reference line facing you and centred on piece 3.



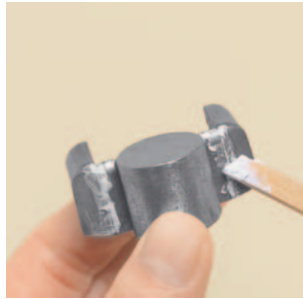
**73** Fill any hollows in pieces from 1 to 5 with putty, using a wooden spatula and, when dry, remove the excess with sandpaper grain no. 800.



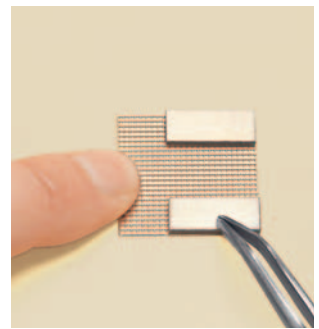
**76** Place the assembly made in Step 75, as shown in the photo (right, above), and fix piece 5 on the right side of piece 3 with fast-drying glue. In the same way, fix piece 4 on the left side, as shown in the photo (right, below).



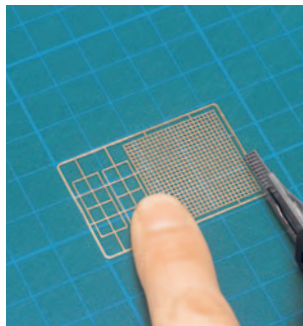
**77** Apply putty to the gaps in all the joins of the pieces **2** to **5** and, when dry, remove the excess with sandpaper grain no. 800.



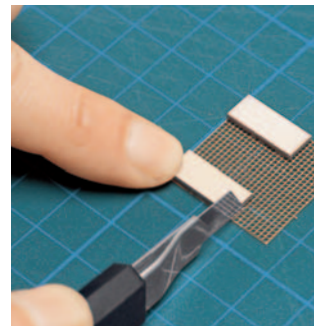
**82** With fast-drying glue, fix the two pieces **7** on the corners of the upper surface of piece **6A**. We recommend taking a small amount of glue with the tip of the craft knife and applying it only along the edge.



**78** With the craft knife, cut the joins of the board **6**, detaching piece **6A** and piece **6B**.



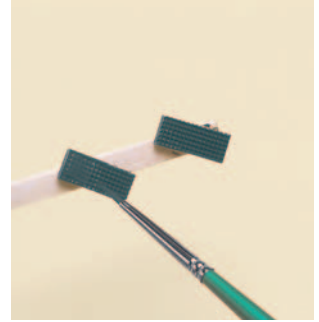
**83** With the craft knife, cut the piece **6A**, trimming the edges of pieces **7**.



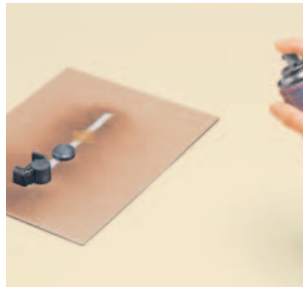
**79** Handling the pieces carefully, smooth the cuts of items **6A** and **6B** with the metal file.



**84** Secure the grilles of the air ducts to a rod with double-sided adhesive tape and paint the surface and the mesh with a mixture of matt black and battleship grey watercolours in the proportion of 1 to 2.

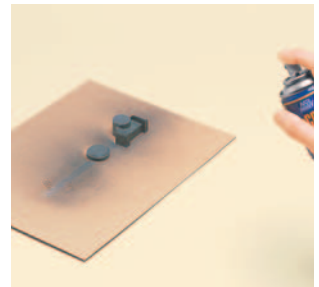


**80** From a distance of 30cm, spray metal primer evenly on the assembly created in Step 77 and on pieces **1**, **6A** and **6B**. It is easier if you secure the pieces on cardboard with double-sided adhesive tape.



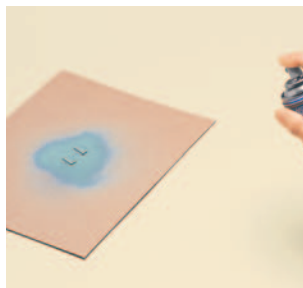
⚠ When using metal primer, ventilate the room well and follow the instructions on the packaging.

**85** From a distance of 30cm, spray a light coat of battleship grey on the piece dealt with in Step 77 and pieces **1** and **6B**. Repeat several times from different angles, always waiting for the paint to dry between coats.



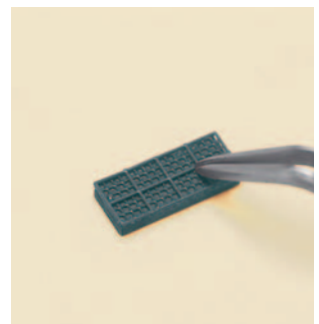
⚠ When using spray paint, ventilate the room well and follow the instructions on the packaging.

**81** From a distance of 30cm, spray paint primer evenly on pieces **7**. To facilitate the operation, secure them on cardboard with double-sided adhesive tape and, when the paint is dry, remove irregularities with sandpaper grain no. 400.



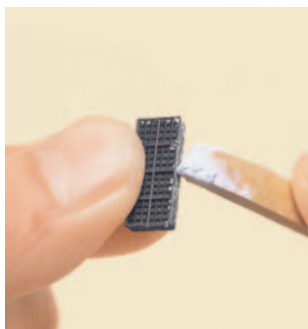
⚠ When using paint primer, ventilate the room well and follow the instructions on the packaging.

**86** Fix piece **6B** with fast-drying glue on each grille of the air ducts. You have now made the air ducts.

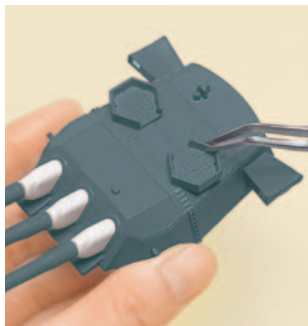




**87** When the glue is dry, apply putty to the edges of each air duct. When dry, remove the excess putty with sandpaper grain no. 800.



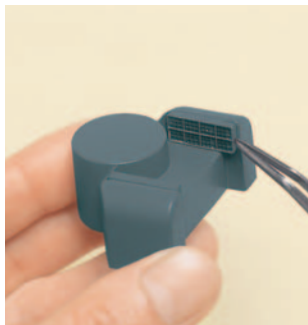
**88** Paint the edges of each air duct with battleship grey watercolour.



**89** Holding piece 1, as shown in the photo, paint the circular recesses with matt black watercolour.



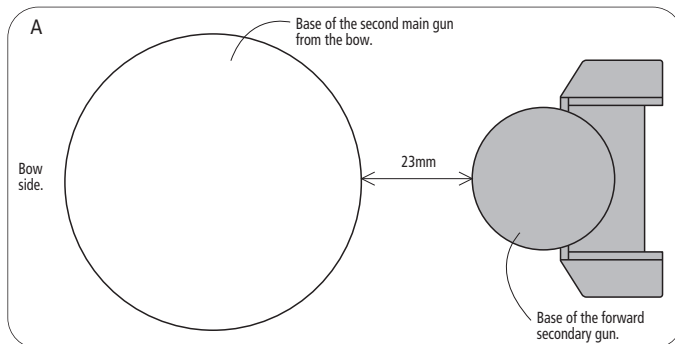
**90** Holding piece 9, as shown in the photo, fix the air ducts on the internal surfaces of pieces 4 and 5 with fast-drying glue, one on each side.



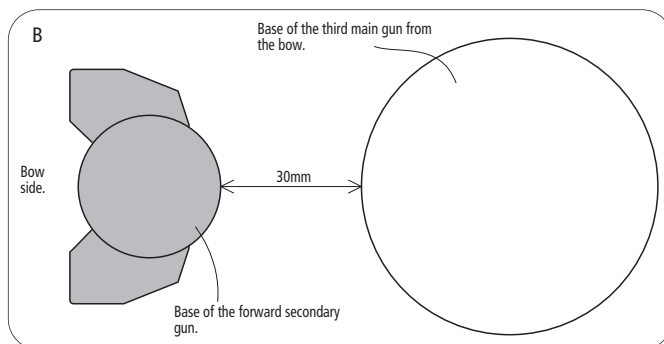
**91** Take the result of Step 90, and, as shown in the photo, fix piece 1 in the centre of the upper surface of piece 2 with fast-drying glue. You have made the base of the forward secondary gun.



**92** Take the hull and, aft of the second main gun from the bow, fix with fast-drying glue the base of the forward secondary gun, following the measurements in Figure A. If the slope of the base does not coincide exactly with the slope of the deck, adjust it with the metal file.



**93** Forward of the base of the third main gun from the bow, fix the base of the rear secondary gun built earlier with fast-drying glue, following the measurements in Figure B.



## COMPLETED PIECES



BASE  
OF THE  
FORWARD  
SECONDARY  
GUN