

U 96

U-BOAT

Pack 3
Kits 9-12



BUILD THE ICONIC WORLD WAR II U-BOAT

U 96

U-BOAT

Pack 3

Assembly

Instructions

Kit 9: The first two torpedo tubes

Kit 10: Two torpedoes

Kit 11: Two more torpedo tubes

Kit 12: Two more torpedoes

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PARTWORKS LTD

Hachette Partworks Ltd
4th Floor, Jordan House,
47 Brunswick Place, London, N1 6EB
www.U96-collection.com

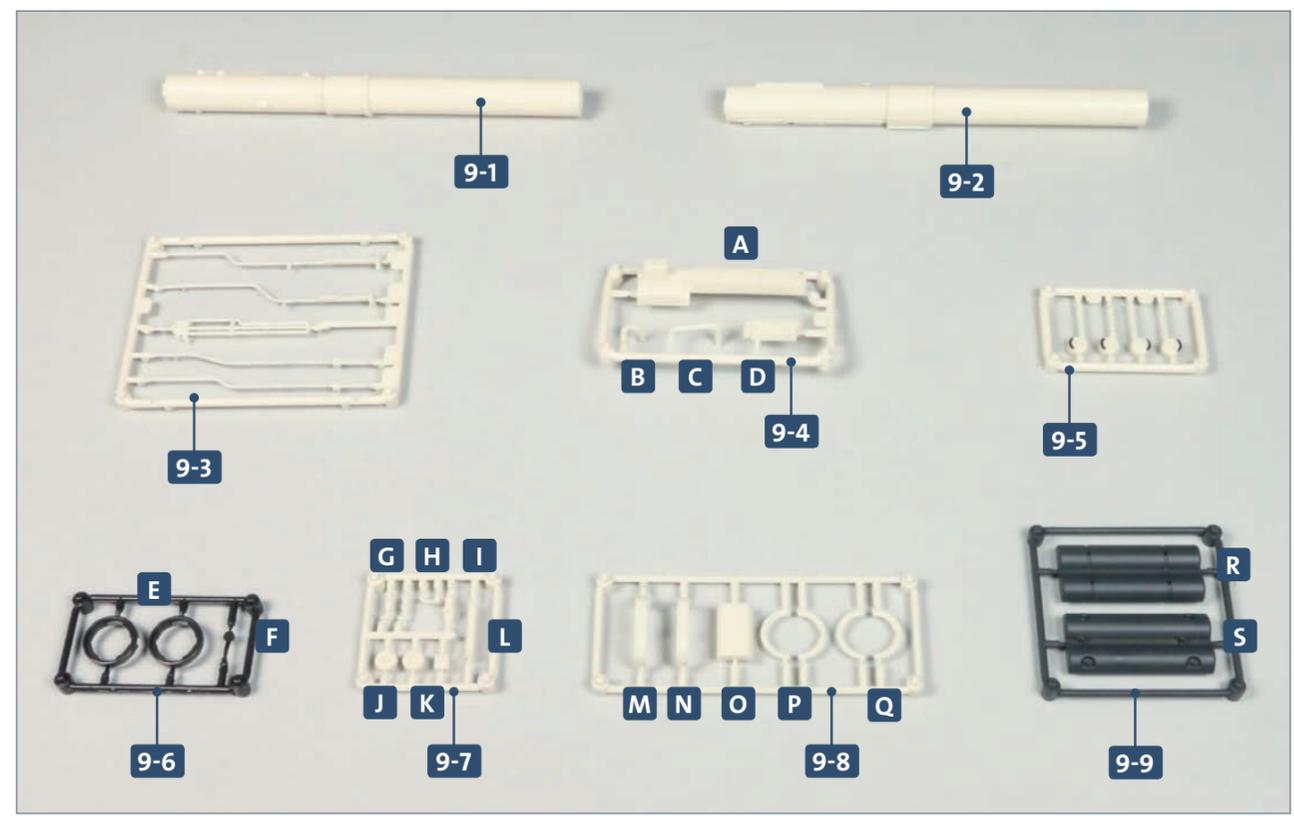
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Not suitable for children under 14.

WARNING: All parts belong to a kit.
Collectors' item for adults. Not suitable for
children under 14. Some parts may have
sharp edges, please handle them with care.



Kit 9: The first two torpedo tubes

Various small parts are attached to torpedo tubes 1 and 3, then the two tubes are connected to one another using the ejector cartridges. Lastly, five pipes are mounted on the torpedo tubes.



Parts reference list	
Part no.	Name
9-1	Torpedo tube 1
9-2	Torpedo tube 3
9-3	Pipes R (1, 2, 3, 4, 5)
9-4	Torpedo parts R (A, B, C, D)
9-5	Diverter taps (2 x 'R', and 2 x 'L')
9-6	Torpedo parts (2 x E, F)
9-7	Torpedo parts (2 x G, H, I, 2 x J, K, L)
9-8	Torpedo parts (M, N, O, 2 x P, 2 x Q)
9-9	Ejection cartridges (R, S)

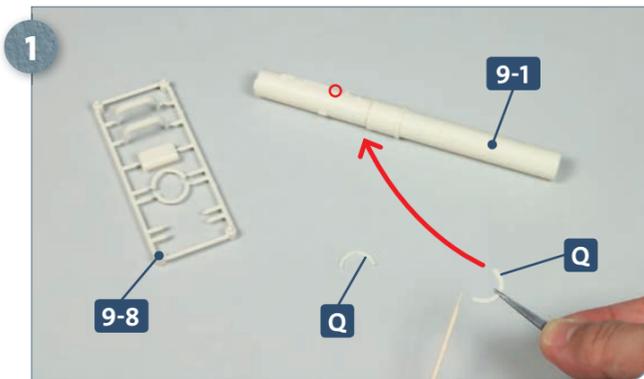
Note 1: Frames 9-3 and 9-4 are each marked with an 'R' because they are intended for use with the starboard (right-hand) torpedo tubes. In kit 11 you will receive corresponding frames labelled 'L', the mirror image of these ones, for use with the port (left-hand) tubes, 2 and 4.

Note 2: The two parts labelled 'L' in frame 9-5 are for use later on in the build, with kit 11.

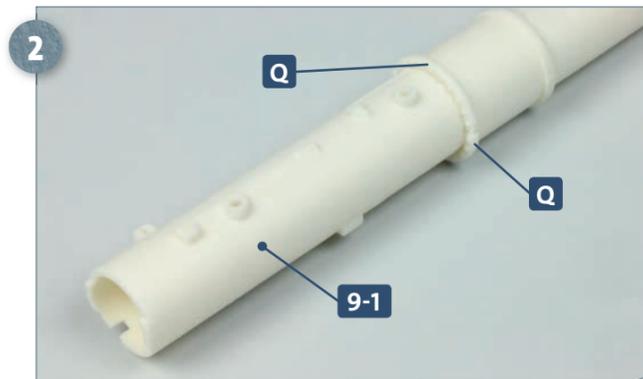
Note 3: The contents of frames 9-4, 9-6, 9-7, 9-8 and 9-9 are labelled A to S for clarity.

Kit 9: The first two torpedo tubes

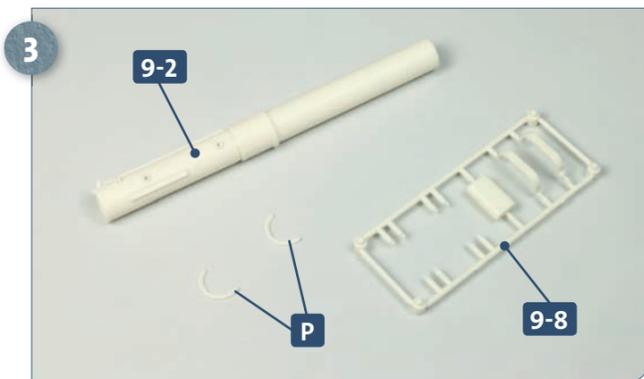
STAGE 1 → First details



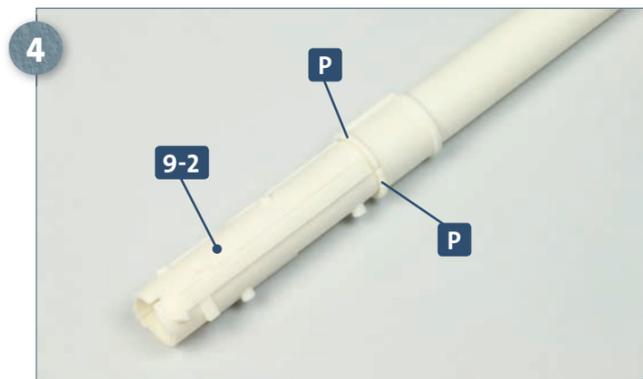
1 Take torpedo tube 9-1 (with the 1 circled). Separate the two Q parts from frame 9-8. Apply some glue to the inside of the first part Q and fit it onto the recess on the torpedo tube, as indicated above.



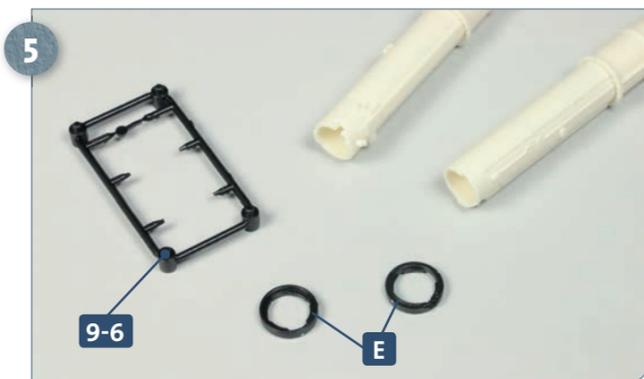
2 Repeat the process to glue the second part Q to the other half of the recess around the torpedo tube. The two pieces should join together seamlessly.



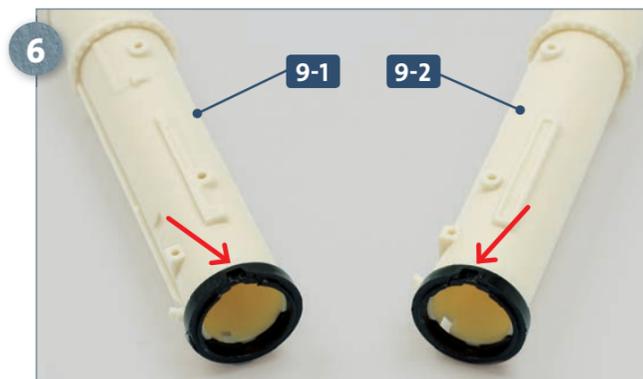
3 Take torpedo tube 9-2 (with a 3 marked on it). Separate the two P parts from frame 9-8.



4 Apply some glue to the inside of both parts P and fit them into the recess encircling torpedo tube 9-2, as shown above.



5 Separate both parts E from frame 9-6. Note: from stage 2 onwards some photos of the torpedo tubes show part E incorrectly positioned. See the following step (step 6) for the correct placement.

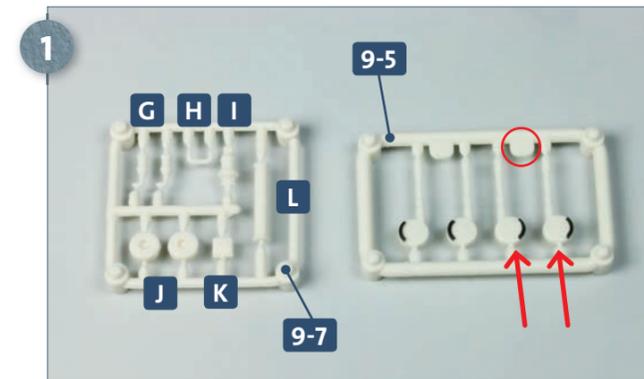


6 Study the photo carefully to check the correct orientation of the parts. Note that there are notches in part E that should be at the top (arrows). After test-fitting, apply a small amount of glue to the inside of each piece E and attach them to the ends of the two torpedo tubes 9-1 and 9-2.

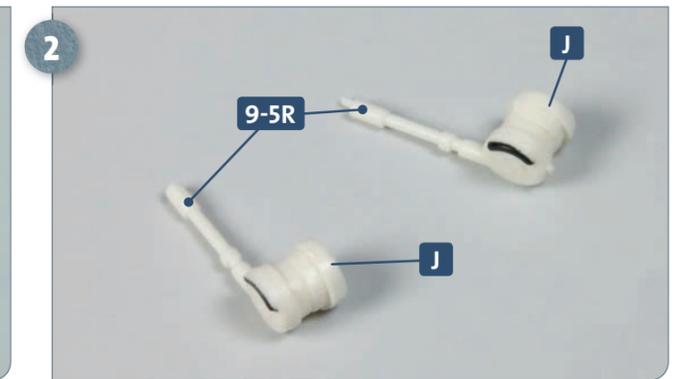
2

Kit 9: The first two torpedo tubes

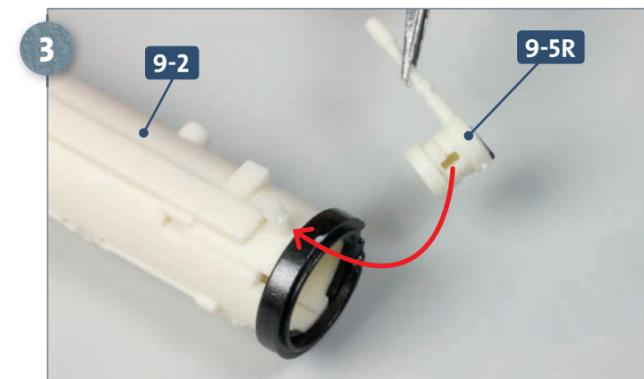
STAGE 2 → Fitting the diverter taps



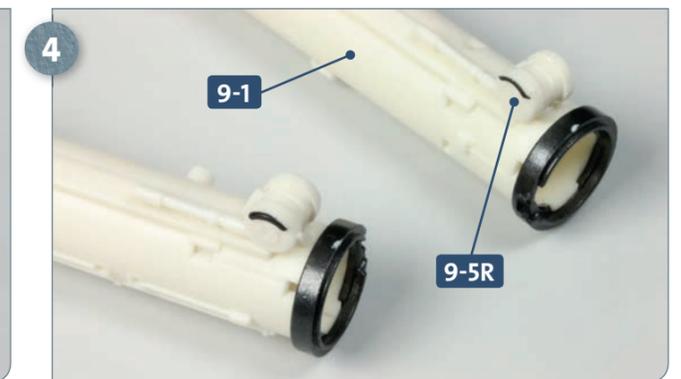
1 Separate the two parts marked 'R' (circled) from frame 9-5, indicated by the two arrows. Separate the two parts J from frame 9-7.



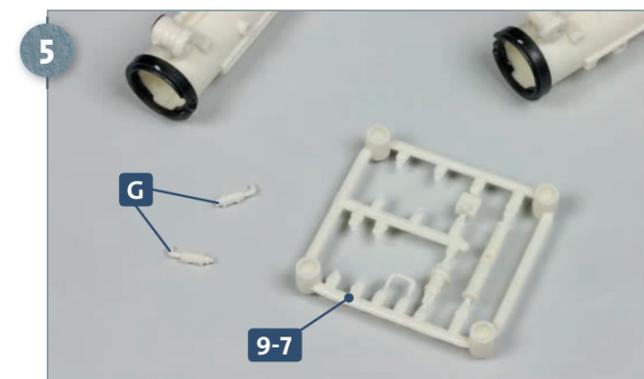
2 Combine one each of J and 9-5R to make two identical diverter taps, one for each tube. Apply some glue to the contact surfaces before fitting together.



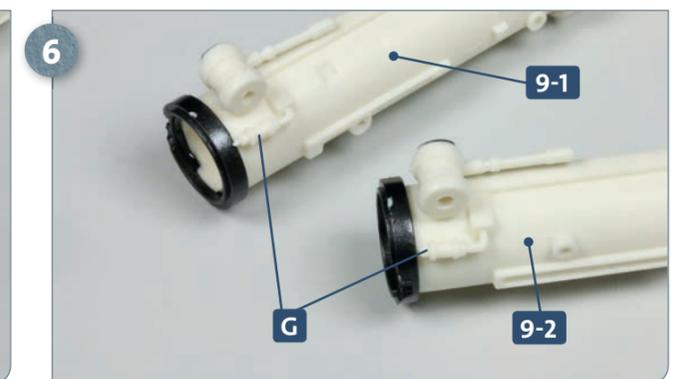
3 Glue the first diverter 9-5R to the peg at the end of torpedo tube 9-2, in the position indicated by the arrow.



4 In a similar way, attach the second diverter tap in the same position on torpedo tube 9-1, as shown above.



5 Remove the two parts marked G from frame 9-7.

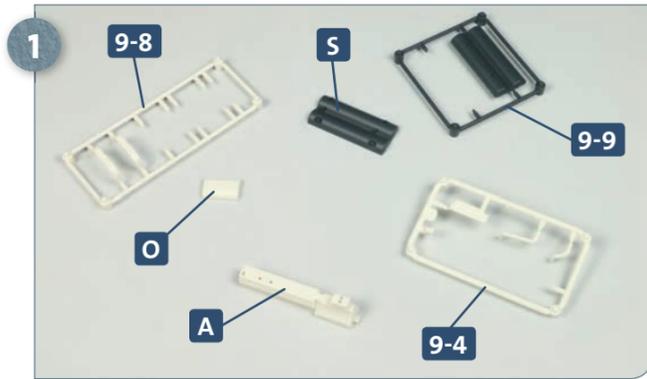


6 Glue one of each part G into the small hole at the rear of the two torpedo tubes 9-1 and 9-2.

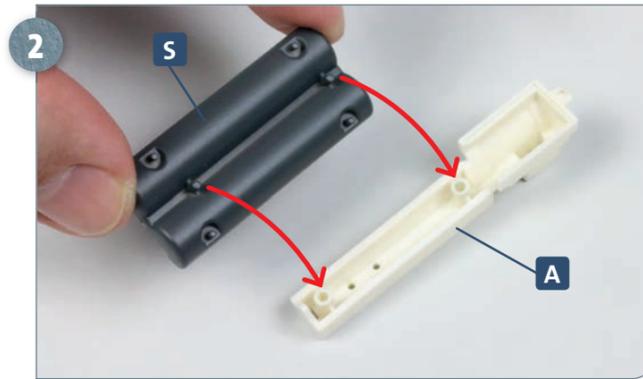
3

Kit 9: The first two torpedo tubes

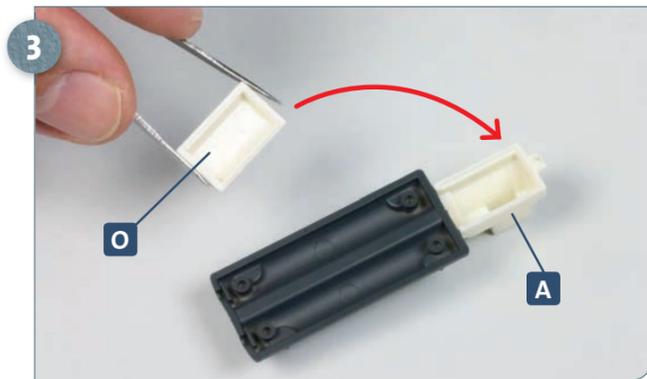
STAGE 3 → Assembling the ejector cartridges



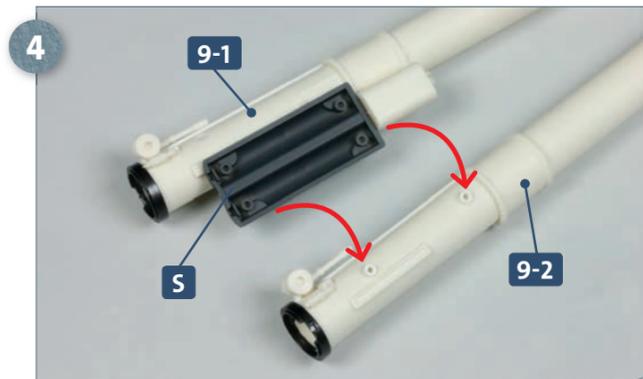
Remove part **A** from frame **9-4**, part **O** from **9-8** and part **S** (the bottom part of the ejector cartridges) from frame **9-9**.



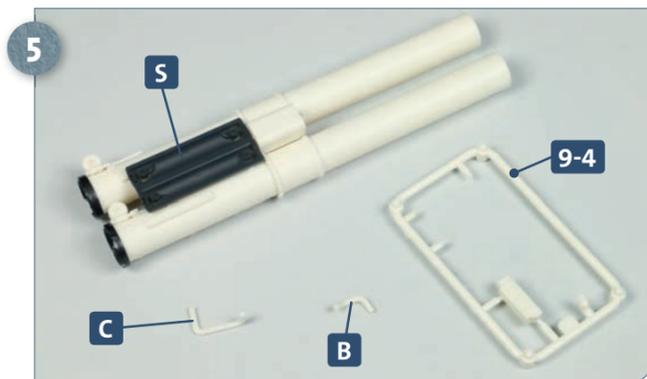
Apply some glue to the two central pegs on the underside of part **S** and insert them into the holes in **A**, as indicated by the arrows shown above.



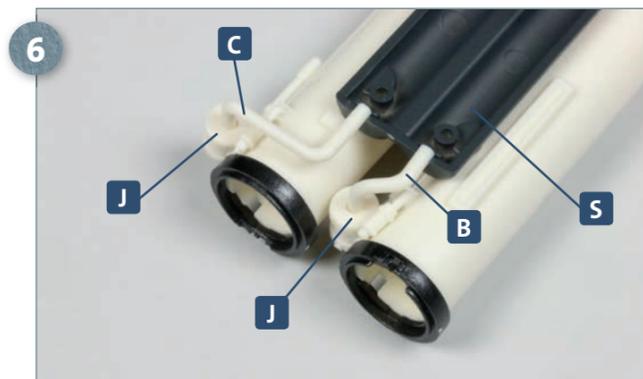
Take **O** and apply some glue to the edges, then place it onto part **A**, in the position indicated above.



Apply some glue to the four outer pegs on the underside of part **S**. Glue one side to torpedo tube **9-1**, and the other side onto the two mounts on torpedo tube **9-2**, as indicated.



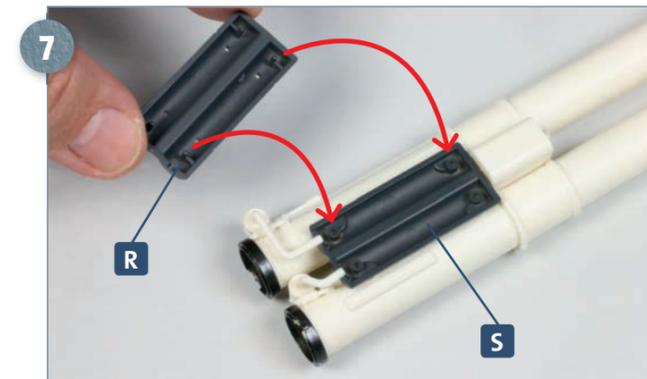
With **S** now attached to both torpedo tubes, take frame **9-4** and detach tubes **B** and **C**, as shown.



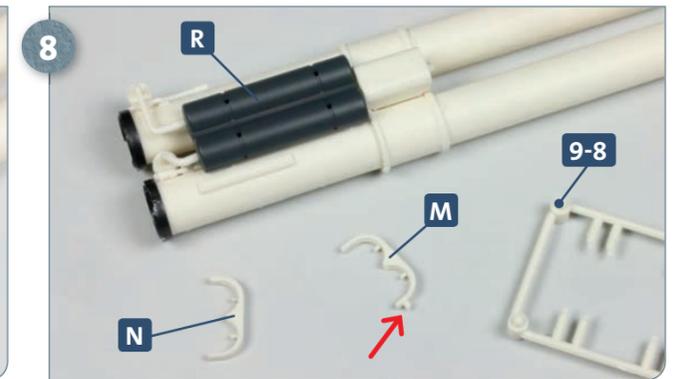
Glue tubes **B** and **C** into the semicircular indentations in **S** and the holes of the two parts **J** of the diverters attached in the previous stage, as shown above.

4

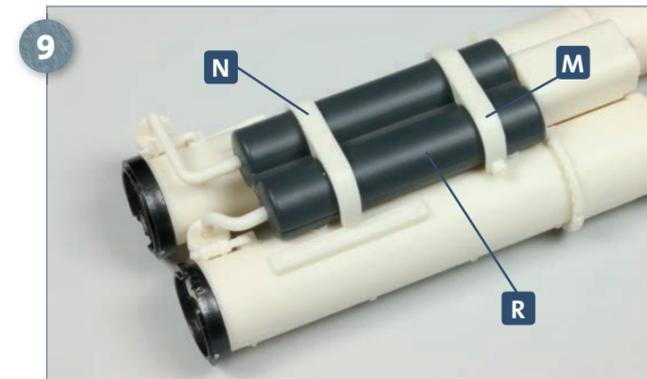
Kit 9: The first two torpedo tubes



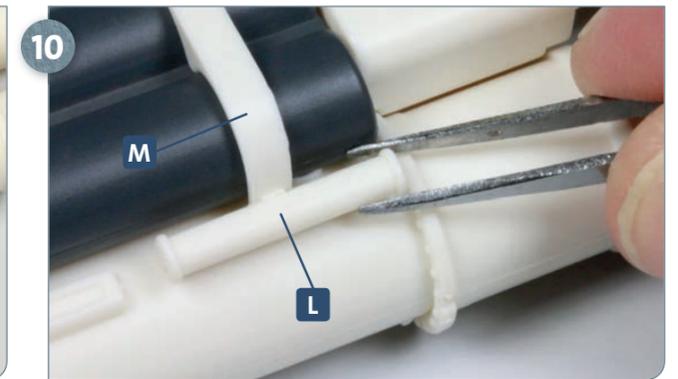
Remove part **R** from frame **9-9** and apply some glue to each of its four pegs. After noting the end with the notches, fit onto part **S**, as shown above.



With part **R** attached, the ejection cartridges are complete. Separate parts **M** (with a peg on one side, indicated by the arrow) and **N** from frame **9-8**.

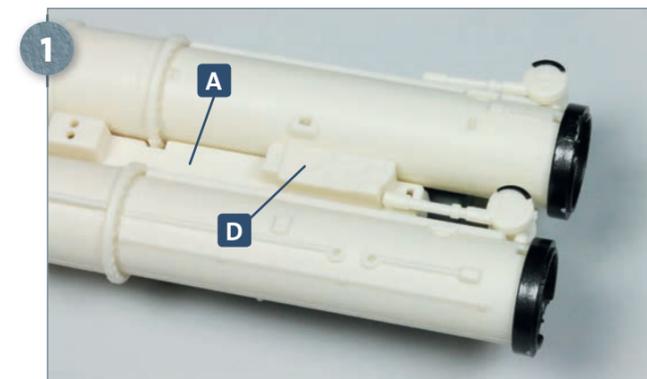


Add a small amount of glue to the small pegs on the underside of parts **M** and **N** and fit them onto part **R** of the ejector cartridges, as shown.

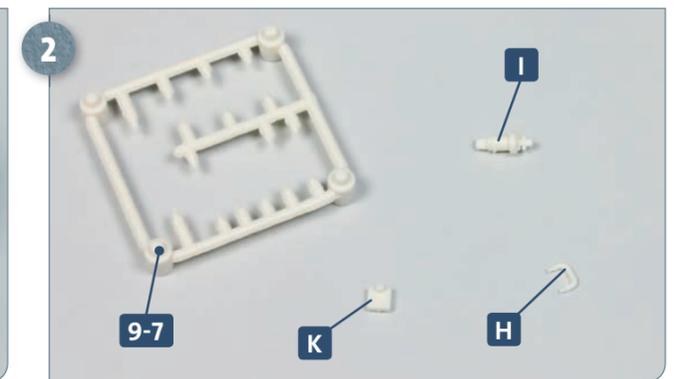


Remove part **L** from frame **9-7** and glue it onto the peg on the side of **M**, as shown.

STAGE 4 → Additional details



Separate part **D** from frame **9-4** and attach it to part **A**, fitting its two pegs into the corresponding holes.



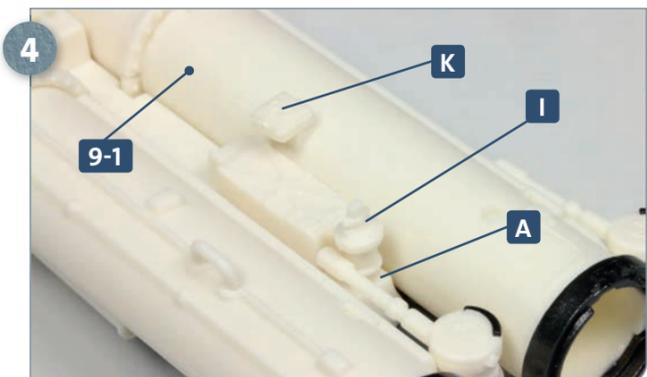
From frame **9-7**, remove parts **H**, **I** and **K**, as pictured.

5

Kit 9: The first two torpedo tubes

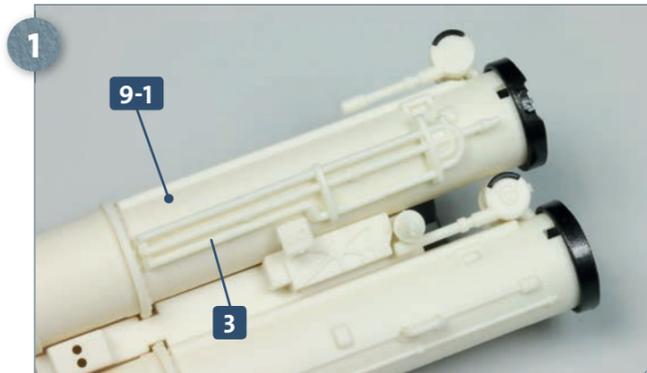


3 Glue part H into the two small holes of torpedo tube 9-2, as shown in the photo.

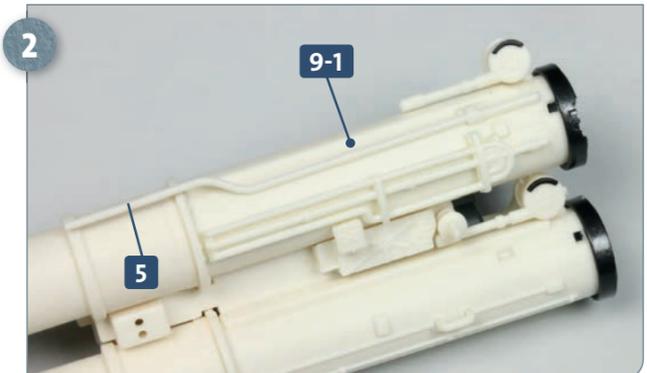


4 Glue part K to torpedo tube 9-1, and part I into the small rectangular hole on part A.

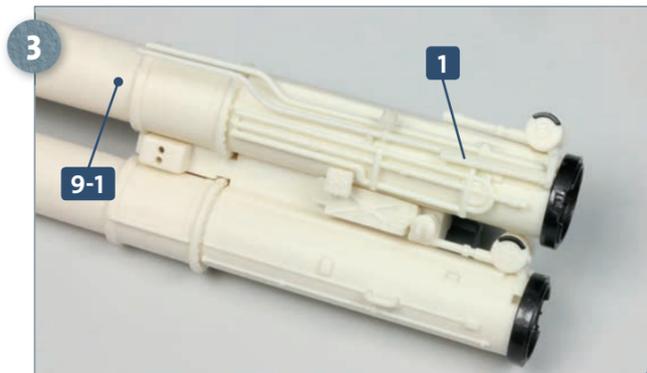
STAGE 5 → Attaching the pipes



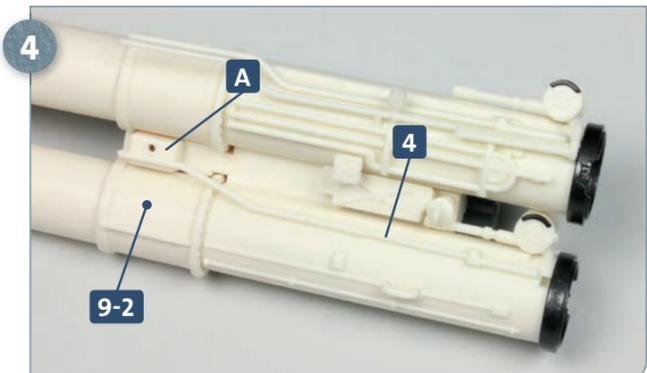
1 Only remove the pipes from frame 9-3 just before they are needed. First, glue pipe 3 to torpedo tube 9-1.



2 Next, glue pipe 5 to torpedo tube 9-1: insert the peg of the pipe into the recess in the torpedo tube, as shown.



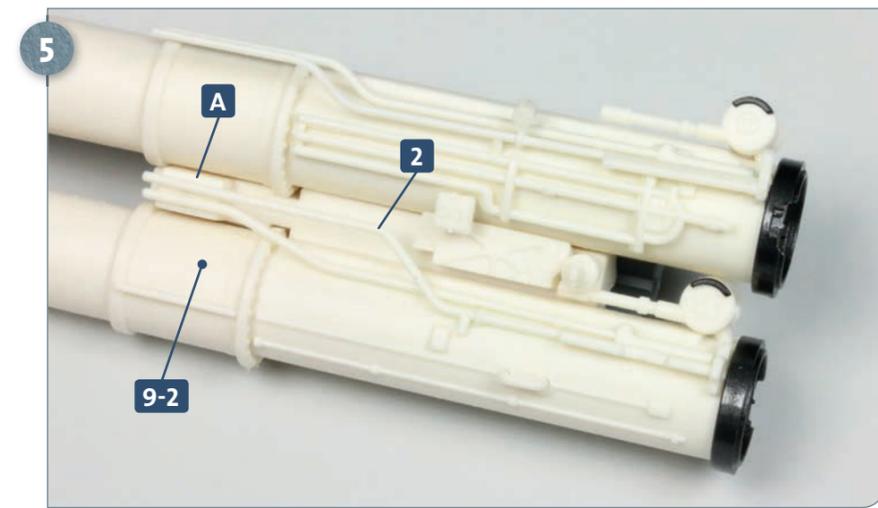
3 Add some glue to the peg at the end of pipe 1 and attach it in the recess of torpedo tube 9-1.



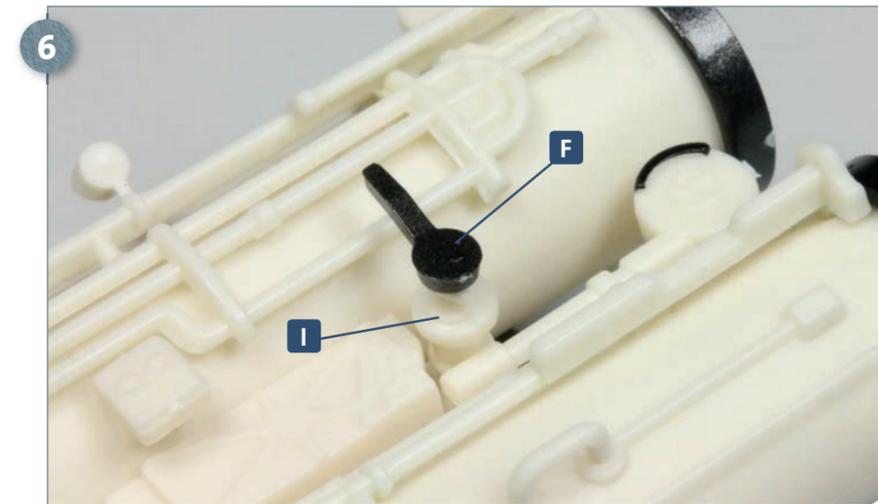
4 Apply glue to the two pegs of pipe 4. Insert one into the recess in torpedo tube 9-2, and the other into the lower hole in part A, as shown above.

6

Kit 9: The first two torpedo tubes

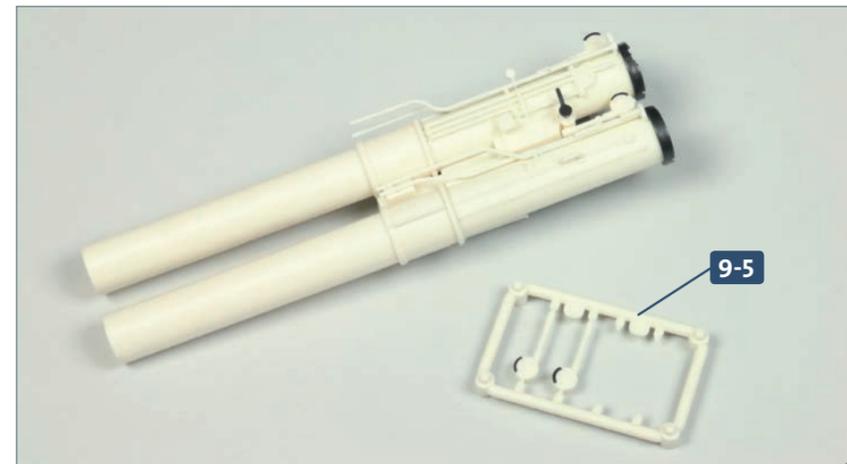


Pipe 2 is glued into the recess of torpedo tube 9-2 (on the far right in the image) and the upper hole of part A.



Finally, separate part F from frame 9-6 and glue it onto the peg of part I, as shown in the photo.

COMPLETED WORK

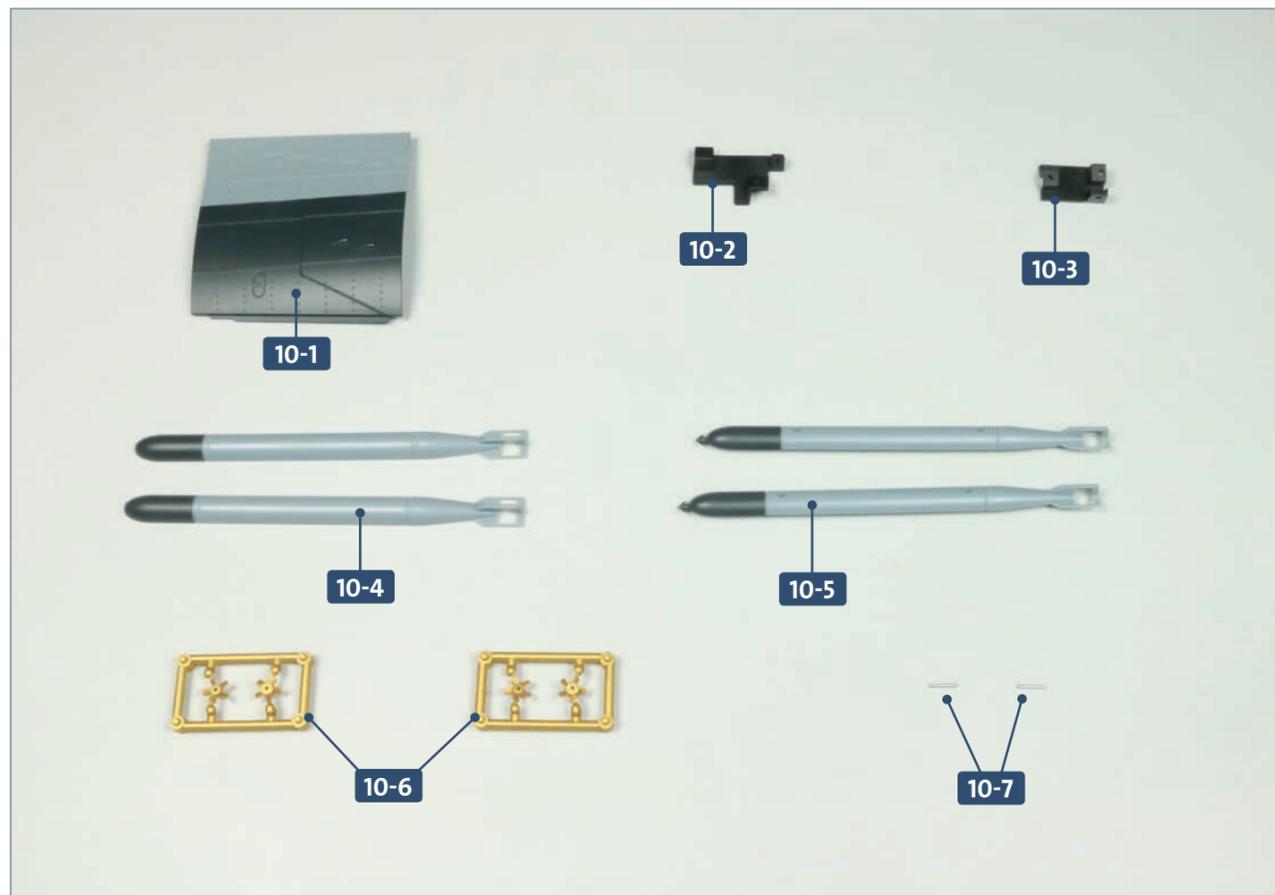


The first two torpedo tubes (1 and 3) have been connected, and a number of small details added to the assembly. Save frame 9-5 with its two remaining pieces marked 'L' for a future kit.

7

Kit 10: Two torpedoes

Half of each torpedo is equipped with a propeller, then joined to the remaining half.
Two connectors are added to a new hull plate, before it is attached to the main hull assembly.

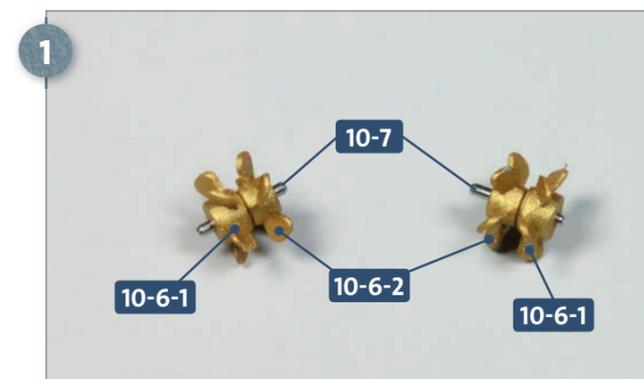


Parts reference list	
Part no.	Name
10-1	Upper port (L) hull section
10-2	Connector
10-3	Connector
10-4	Torpedo upper half (2)
10-5	Torpedo lower half (2)
10-6	Propellers
10-7	Propeller shafts

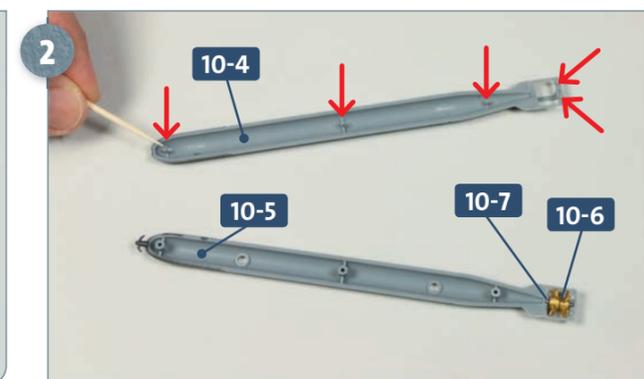


Screws		
Ref	No.	Dimensions
AM	4+1	2 x 4 mm
CP	2+1	2 x 4 mm

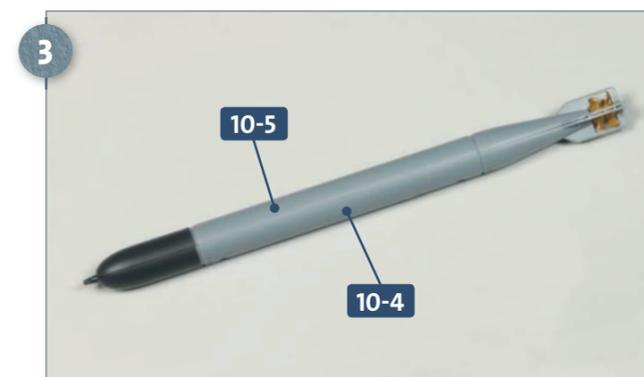
STAGE 1 → Assembling the torpedoes



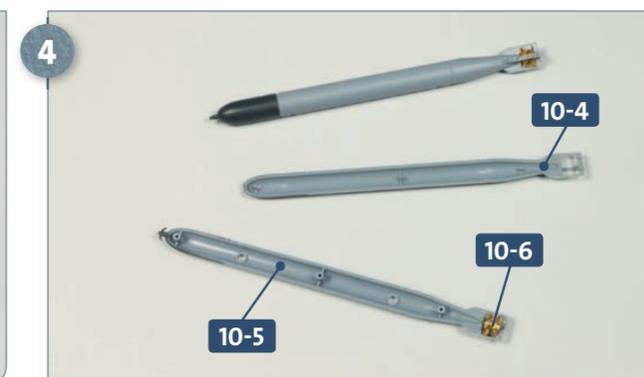
Detach the two opposing propellers 10-6-1 and 10-6-2 from one of the frames 10-6. Connect these to form a propeller, using a shaft 10-7. Make a second, identical propeller in the same way.



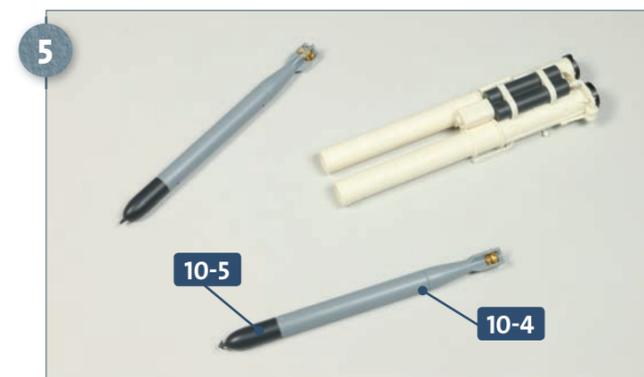
Take one torpedo upper half 10-4 and one lower half 10-5. Insert a propeller 10-6 into the lower section 10-5, so that the shaft 10-7 sits in the recess of the torpedo. Add a little glue to the three pegs along the length of the upper section 10-4 as well as to the two pegs near where the propeller sits (see arrows).



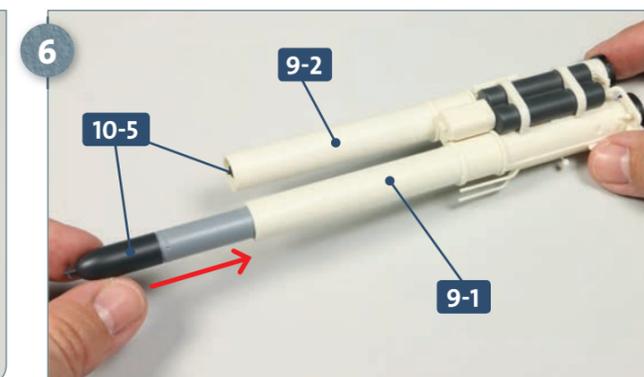
Place the upper half of the torpedo 10-4 onto the lower section 10-5 and gently press both parts together and hold in place until the glue has dried.



Repeat the process for the second torpedo: fit the propeller 10-6 into the lower section 10-5 and, as before, add glue to the pegs on the upper half 10-4.



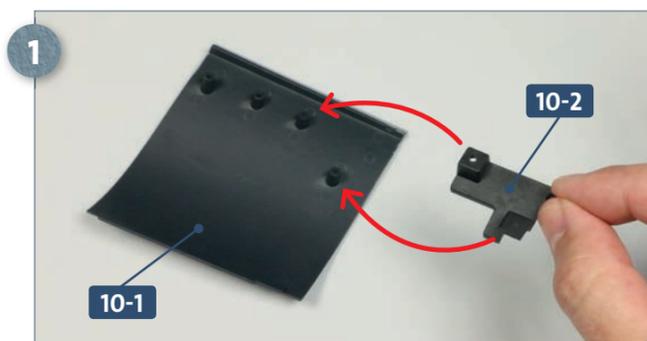
Place the upper half of the torpedo 10-4 onto the lower half 10-5 and gently press together. Have ready the torpedo tube assembly from kit 9.



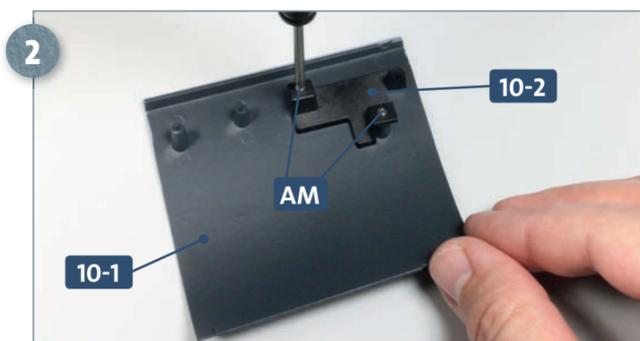
Insert a torpedo into each tube 9-1 and 9-2 as shown above. If necessary, use fine sandpaper, or similar, to slightly reduce the size of the fins on the torpedo.

Kit 10: Two torpedoes

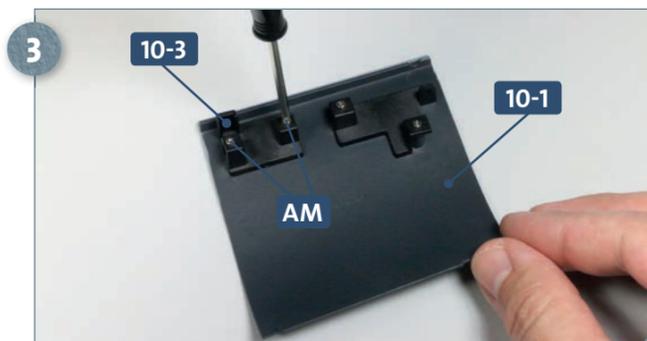
STAGE 2 → Adding the hull section



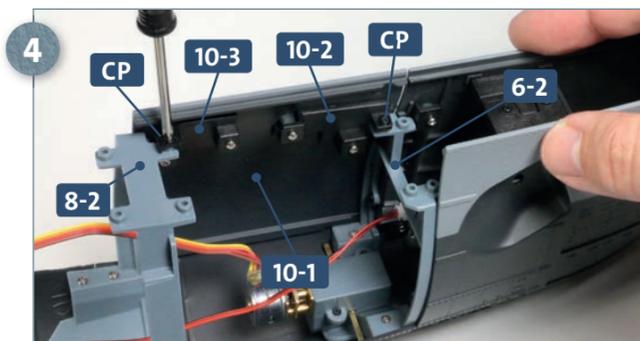
Place the upper port (L) hull section **10-1** on your work surface. Take connector **10-2** and fit it onto the two right-hand raised screw sockets on the interior of the hull, as shown.



Fix connector **10-2** in place using two **AM** screws.

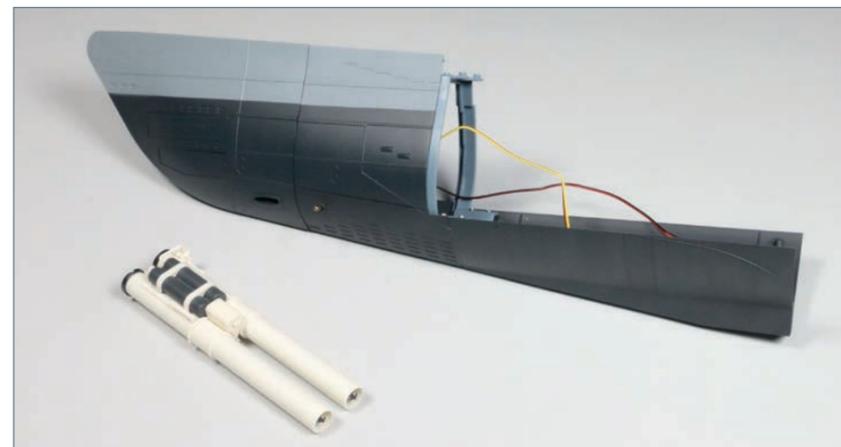


Place connector **10-3** on the hull section **10-1**, aligning the holes of the two parts. Fix together using two **AM** screws.



Take the main hull assembly and fit the new section **10-1** onto the port (L) side of the structure. Attach connectors **10-2** and **10-3** to connectors **6-2** and **8-2** using a **CP** screw in each.

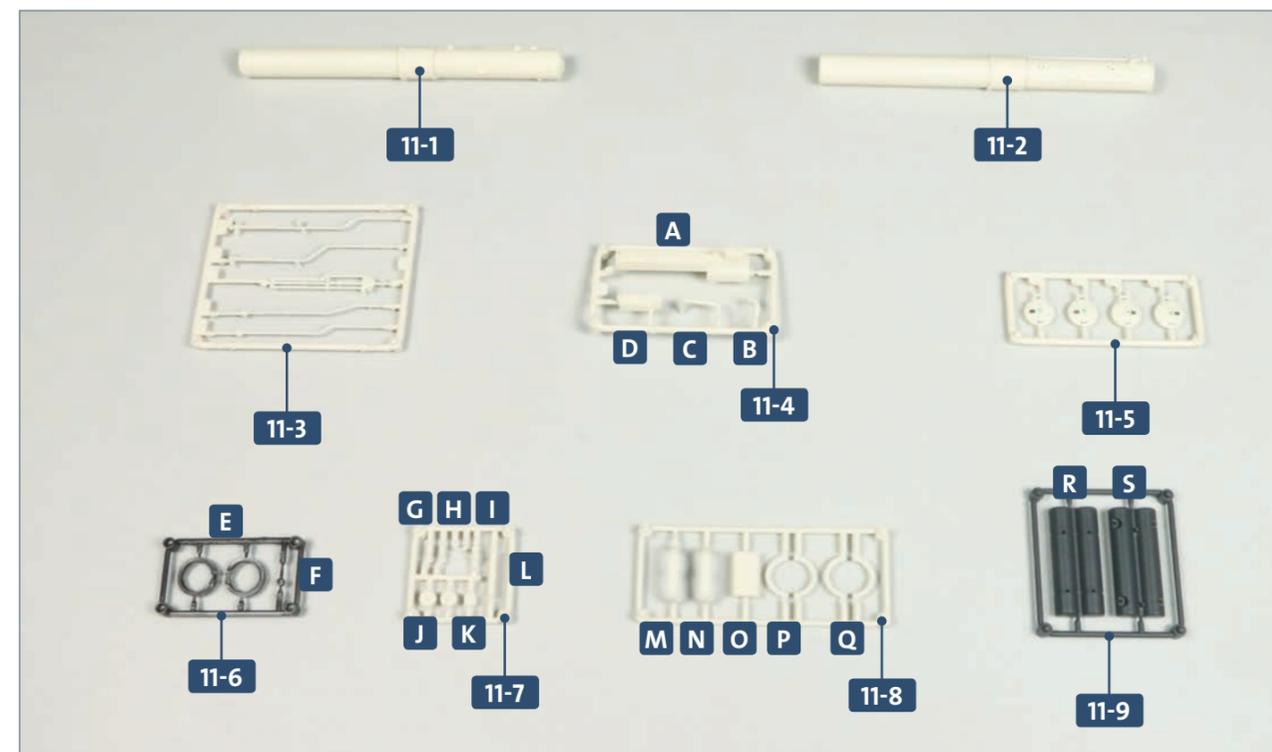
COMPLETED WORK



Another section has been added to the hull. The first two torpedoes have been assembled and inserted into torpedo tubes 1 and 3.

Kit 11: Two more torpedo tubes

After various details are attached to torpedo tubes 2 and 4, the two are joined together and five pipes attached. Lower hatches are attached to all four bow tubes.

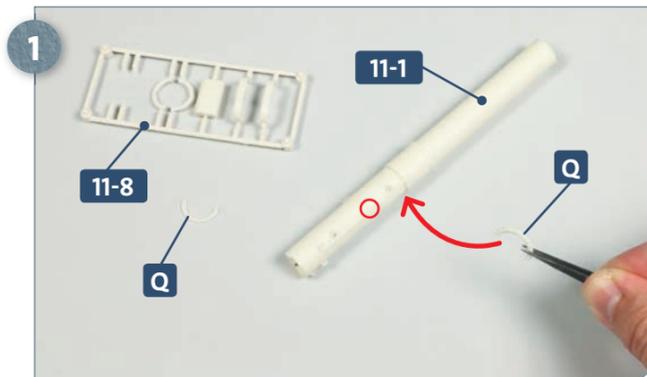


Parts reference list	
Part no.	Name
11-1	Torpedo tube 2
11-2	Torpedo tube 4
11-3	Pipes L (1, 2, 3, 4, 5)
11-4	Torpedo tube parts L (A, B, C, D)
11-5	Hatches (1, 2, 3, 4)
11-6	Torpedo tube parts (2 x E, F)
11-7	Torpedo tube parts (2 x G, H, I, 2 x J, K, L)
11-8	Torpedo tube parts (M, N, O, 2 x P, 2 x Q)
11-9	Ejection cartridges (R, S)

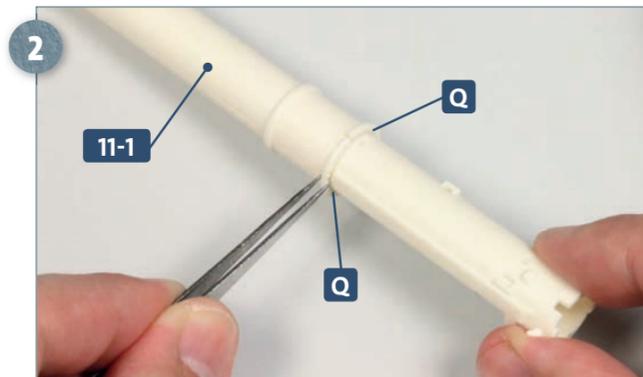
Note: Most of the steps in this kit are similar to those in kit 9, so there is less detail in the instructions here; only the last three steps are 'new'. Refer back to kit 9's instructions if you need any additional detail.

Kit II: Two more torpedo tubes

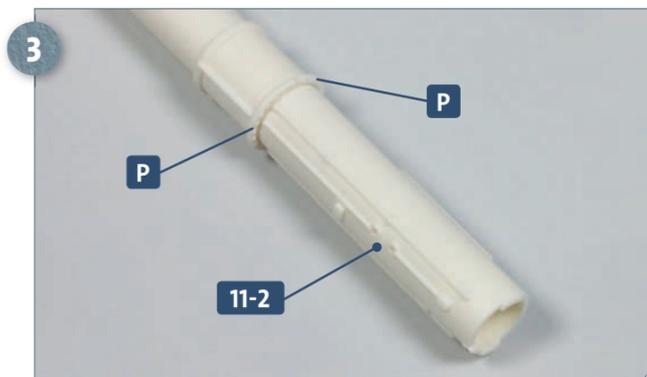
STAGE 1 → First details and diverter tap



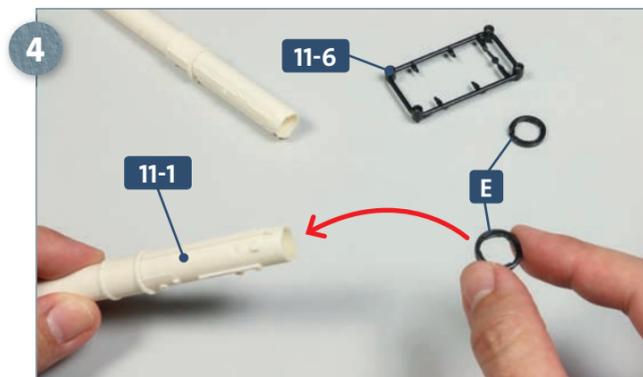
Take torpedo tube 2 11-1 (with the 2 circled). Separate two parts Q from frame 11-8. Apply glue to the inside of the first part Q and fit it onto the recess on the torpedo tube, as shown above.



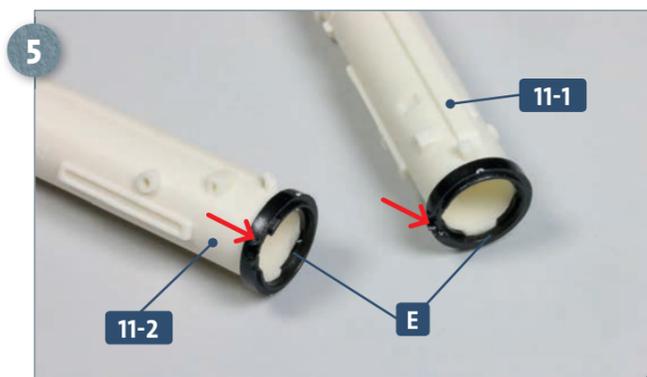
Glue the second part Q into the other half of the recess encircling 11-1. The two parts should connect seamlessly.



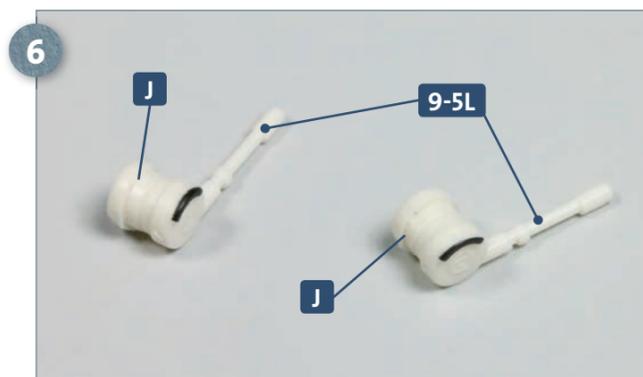
Separate both parts P from frame 11-8. Apply some glue to the inside of each and attach to the recess encircling torpedo tube 11-2.



Detach both parts E from frame 11-6. Apply glue to the inside of the first part E and attach to the end of torpedo tube 11-1, as shown. Note the orientation of the notch in part E, which is shown by an arrow in the next step.



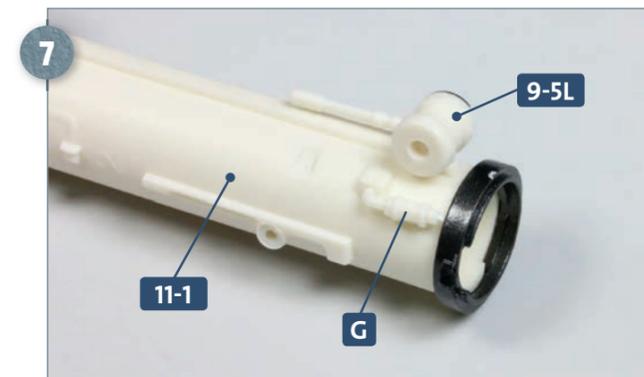
The second part E is likewise attached to the end of torpedo tube 11-2. Again, note the position of the notch in part E (see arrows in the photo above).



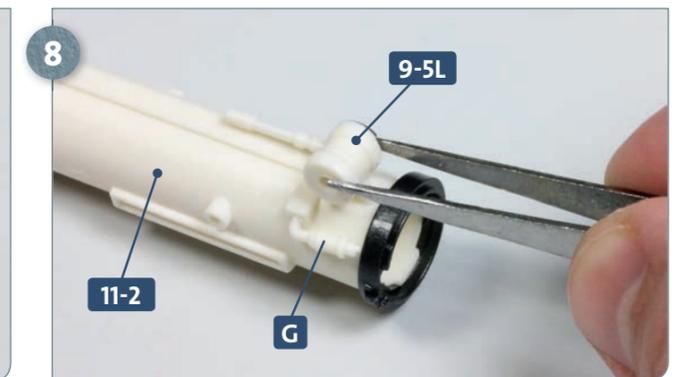
Using the two parts J from frame 11-7 and both parts 9-5L (left over from kit 9) make two identical diverter taps for the torpedo tubes by gluing parts 9-5 and J together.

2

Kit II: Two more torpedo tubes

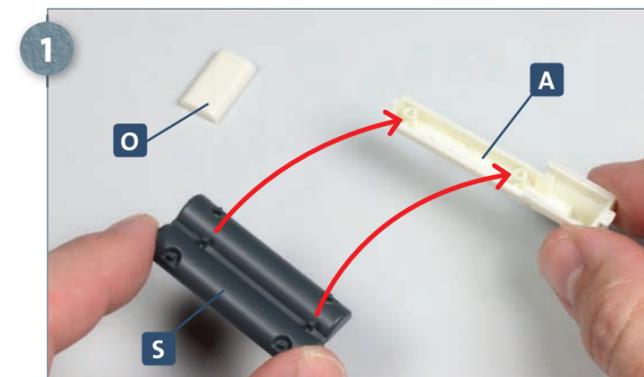


Fix one of the diverter taps 9-5L to torpedo tube 11-1 along with one of the two parts G from frame 11-7.

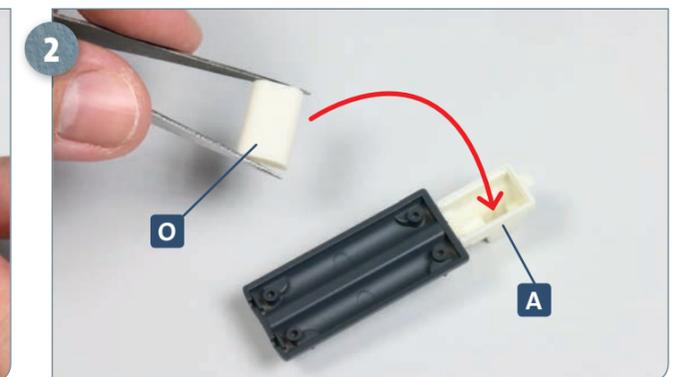


The second diverter tap 9-5L and second part G are likewise attached to torpedo tube 11-2.

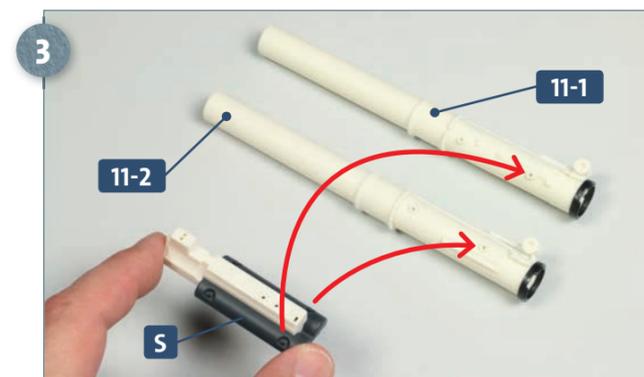
STAGE 2 → Assembling the ejector cartridges



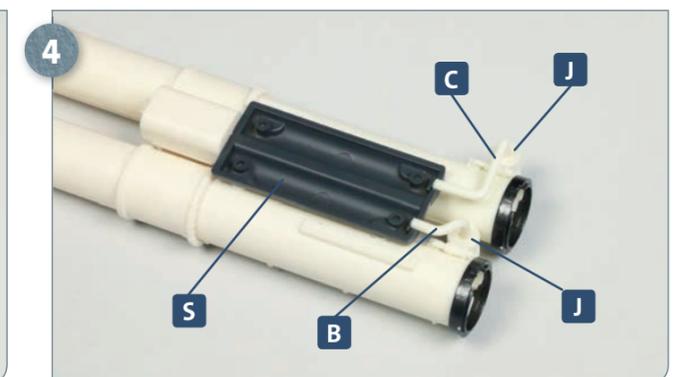
Apply glue to the two central pegs on the underside of part S (from frame 11-9) and glue these into the holes in part A (from frame 11-4), as shown. Remove part O from frame 11-8.



Apply some glue around the edge of O and fit it onto part A, as indicated by the arrow above.



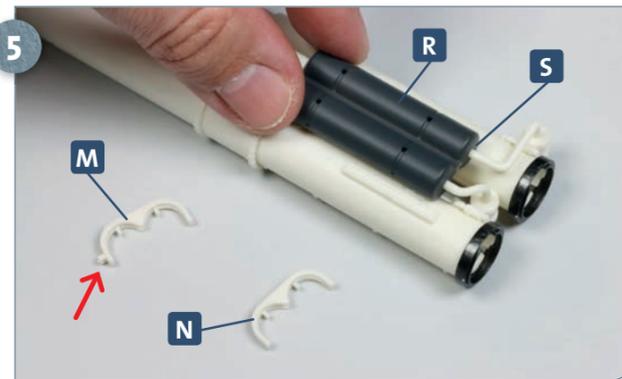
Apply glue to all four outer pegs on the underside of S and fit them onto the raised sockets on torpedo tubes 11-1 and 11-2, as shown above.



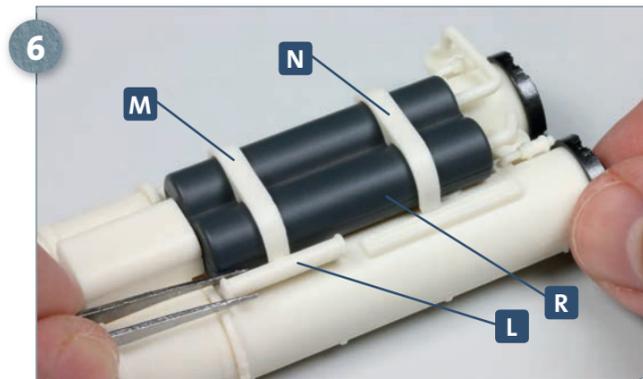
Glue tubes B and C (from frame 11-4) into the semicircular recesses on part S and the holes of the previously fitted parts J of the diverter tap, as shown above.

3

Kit II: Two more torpedo tubes

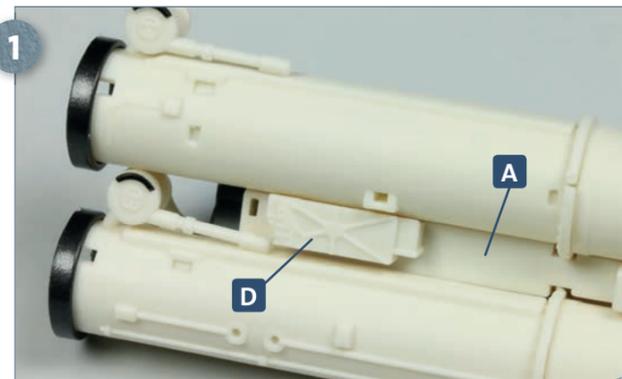


Remove part R from frame 11-9 and glue its four pegs onto part S. Note that one end has semicircular recesses, which fit over the pipes. Separate part M (with the peg on the side, indicated by the arrow) and part N from frame 11-8.

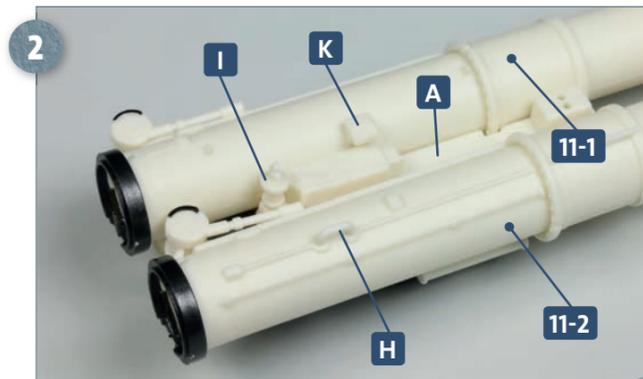


Apply some glue to the two small pegs on the bottom of parts M and N and attach to part R. Remove part L from frame 11-7 and glue it to the small peg on the side of M, as shown.

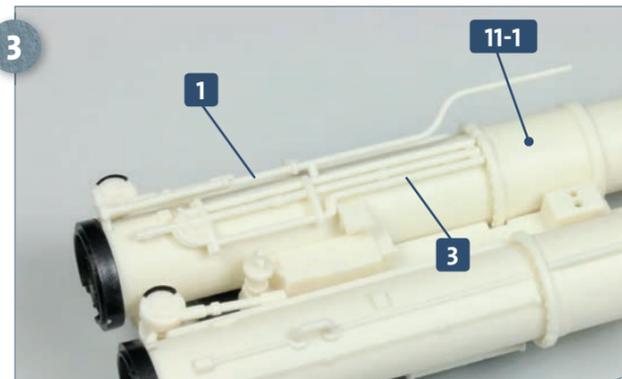
STAGE 3 → Further details, pipes and hatches



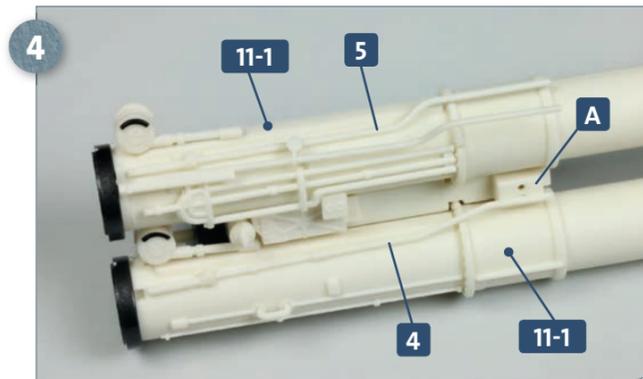
Remove part D from frame 11-4 and attach to part A, fitting its two pegs into the corresponding holes.



Detach parts H, I and K from frame 11-7. Glue part H into the two small holes in torpedo tube 11-2. Part K is glued to torpedo tube 11-1, and part I into the small rectangular hole of part A.

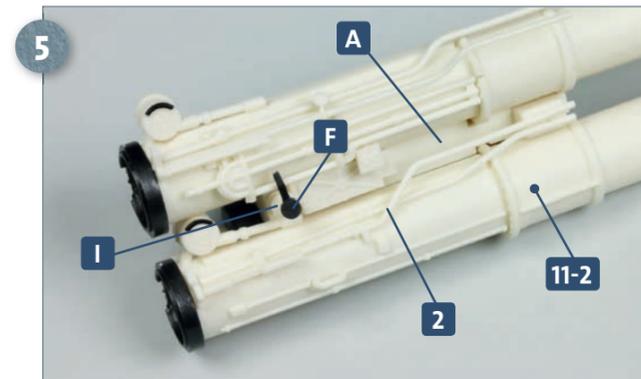


Detach pipes 3 and 1 from frame 11-3 and glue them to the torpedo tube 11-1, as shown in the photo. Remember, to save any confusion, only detach the pipes from the frame just before they are needed.

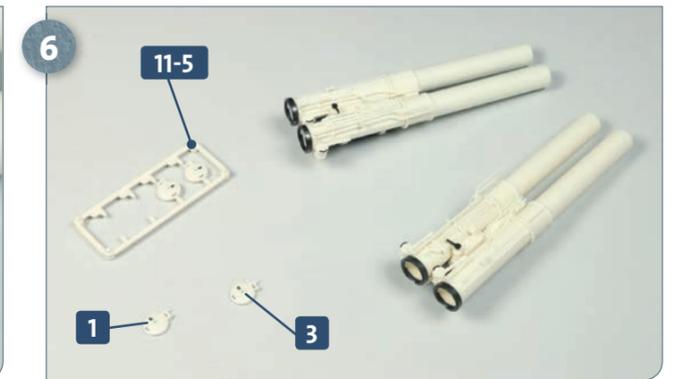


Pipe 5 is also glued to torpedo tube 11-1. Glue one peg of pipe 4 into the recess on torpedo tube 11-2 and the other into the lower hole of part A.

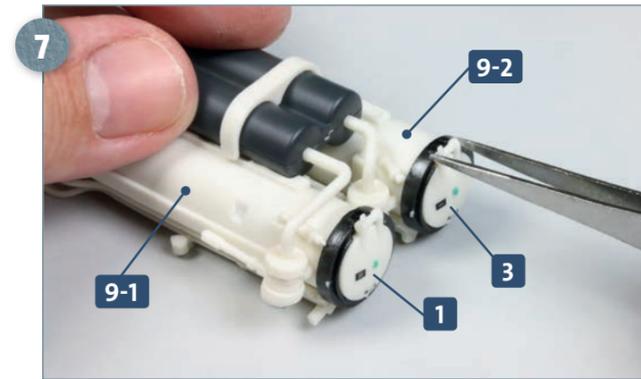
Kit II: Two more torpedo tubes



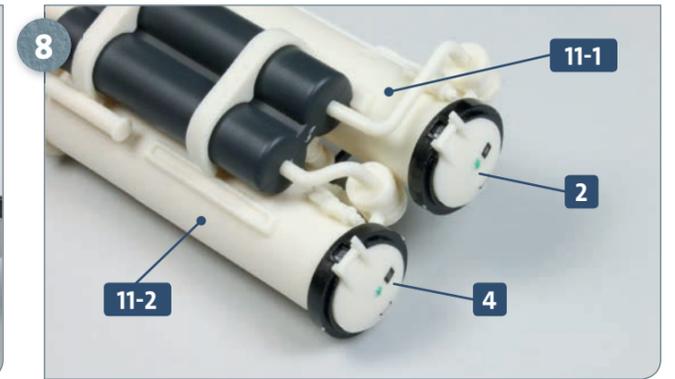
Apply some glue to the two pegs of pipe 2. Insert one into the recess in torpedo tube 11-2, and the second into the top hole of part A, as pictured. Part F from frame 11-6 is glued to the peg of part I.



Take frame 11-5 and detach hatches 1 and 3. Locate the torpedo tube assembly you built in kit 9 and lay it next to the one built in stages 1-3 of this kit, as shown. Note that the numbering on the frame, from left to right, is 1, 3, 2, 4.



Before attaching the hatches, make sure that the torpedoes are free to move inside the tubes otherwise they may get stuck and may be very difficult to remove. Glue hatch 1 to torpedo tube 9-1. Hatch 3 is attached to tube 9-2. Pay close attention to the orientation of the hatches.



Taking the second torpedo tube assembly, glue hatch 2 to torpedo tube 11-1 and hatch 4 (both from frame 11-5) to tube 11-2.

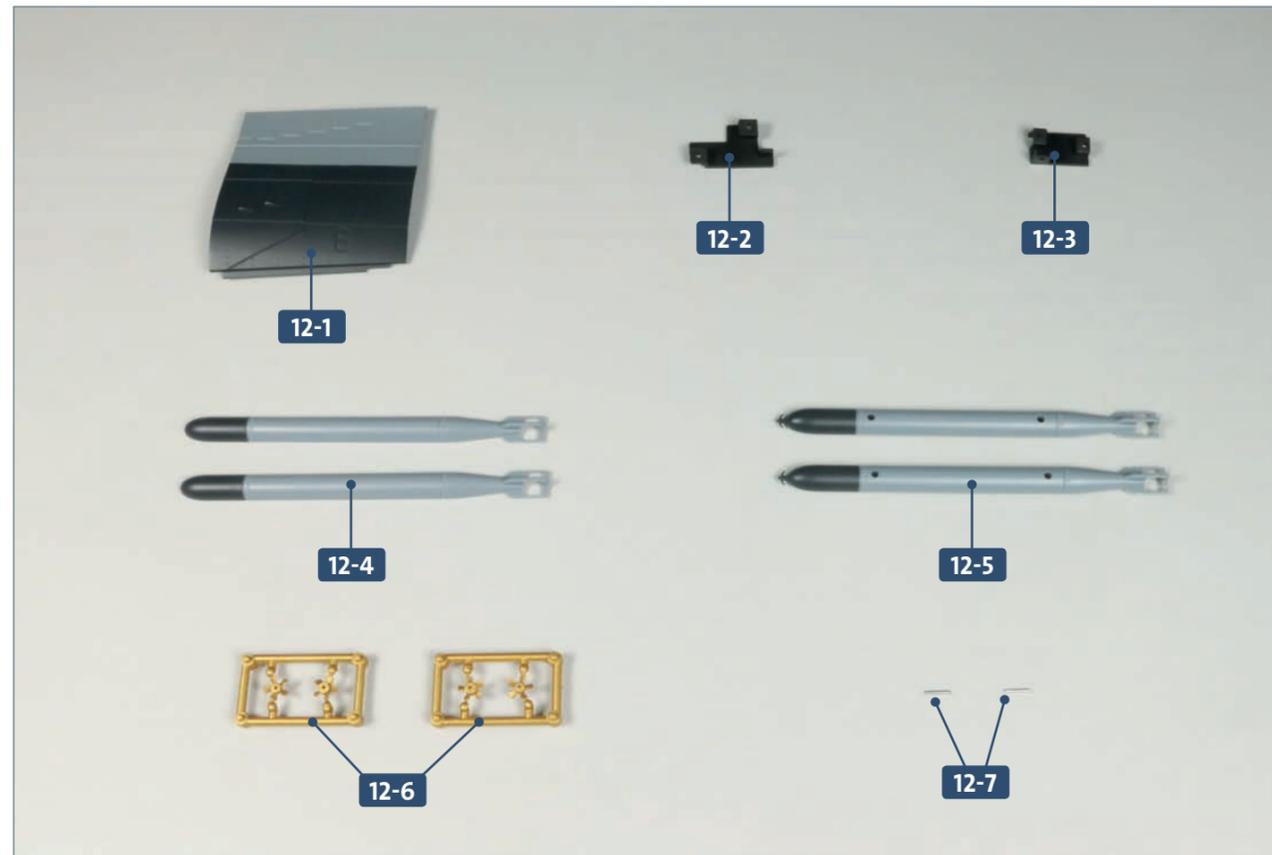
COMPLETED WORK



The second torpedo tube assembly with torpedo tubes 2 and 4 is complete, and hatches have been added to all four tubes.

Kit 12: Two more torpedos

Two connectors are attached to the upper starboard (R) hull section, which is then added to the assembly. The parts for two more torpedoes are also provided.

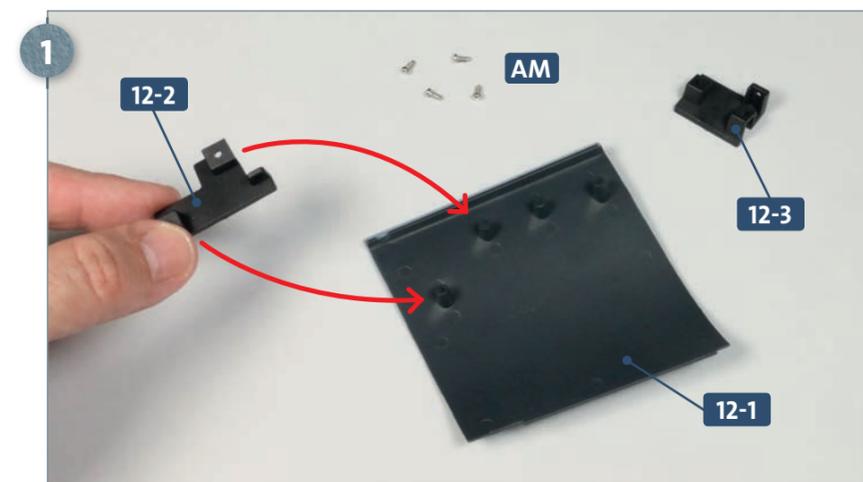


Parts reference list	
Part no.	Name
12-1	Upper starboard (R) hull section
12-2	Connector
12-3	Connector
12-4	Torpedo upper half (2)
12-5	Torpedo lower half (2)
12-6	Propellers
12-7	Propeller shafts

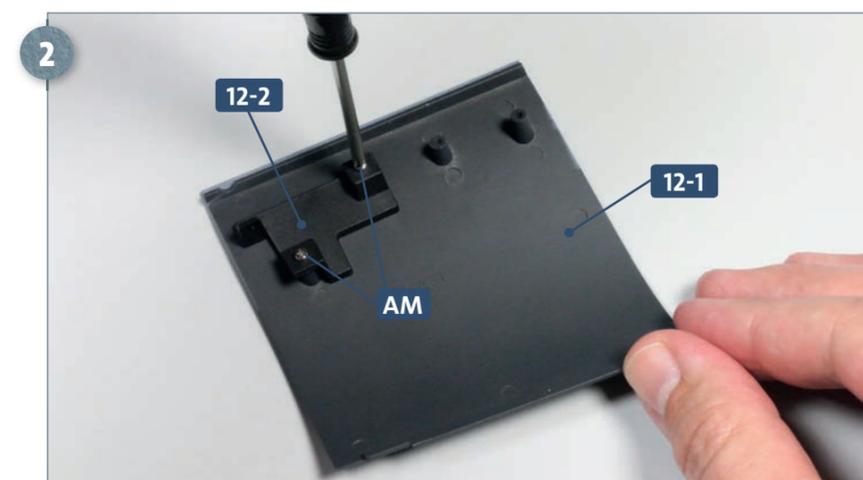


Screws		
Ref	No.	Dimensions
AM	4+1	2 x 4 mm
CP	2+1	2 x 4 mm

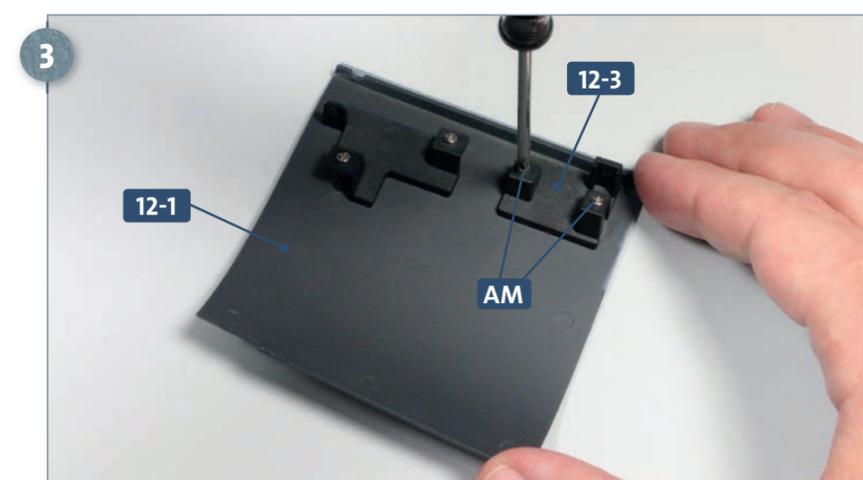
STAGE 1 → Adding the hull section



Place the upper starboard (R) hull section 12-1, the two connectors 12-2 and 12-3 and four AM screws on your work surface. Take connector 12-2 and fit it onto the two left raised screw sockets on the inner surface of the hull section, as shown.



Fix in place using two AM screws.



Fit connector 12-3 onto the two right raised screw sockets of the hull piece 12-1 and fix in place using the two remaining AM screws.

