

Build the  
**C57** Steam  
Locomotive

**Pack 02**

DEAGOSTINI  
**MODEL SPACE**™



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### Step by step

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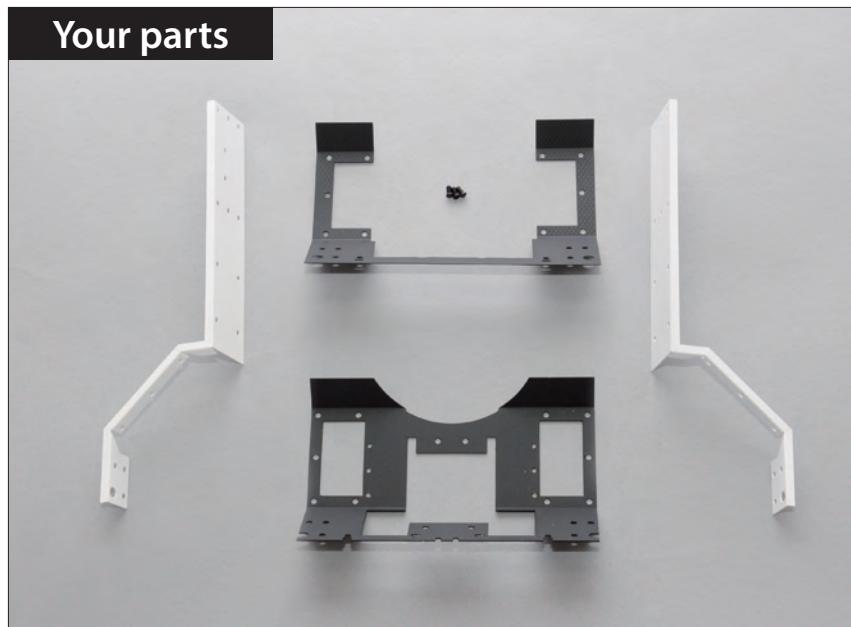
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Warning: Not suitable for children under the age of 14. This product is not a toy and is not designed or intended for use in play. Items may vary from those shown.

# The front deck

## Your parts

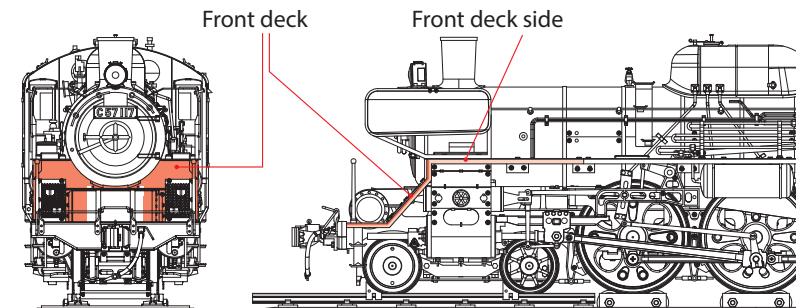


Front deck base  
Front deck upper plate  
Front left deck side  
Front right deck side  
3 screws 2 x 4mm

### Tools

Phillips screwdriver  
Multi-purpose adhesive  
Instant adhesive

### Where your parts fit



1



The front deck base fits onto the projecting tab at the bottom of the smokebox.



Test-fit the front deck base onto the tab, aligning the circled holes of both.

**2**

Remove the deck base and apply some multi-purpose adhesive to the tab.

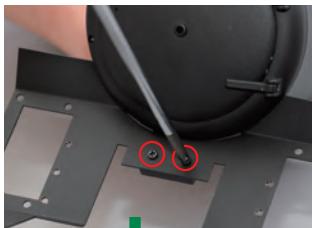


Align the holes of the deck with those in the tab. Half-tighten a 2 x 4mm screw into each hole.

**3**

Before the glue dries, move the deck to the left and right, trying to get it as close to the smokebox as possible.

Once the deck is in its best position, fully tighten the screws into place.



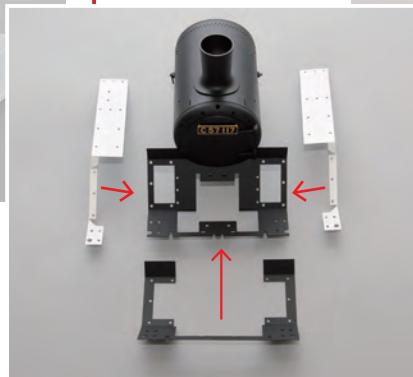
You can apply instant adhesive to the ends of the screws to ensure they stay in position.

**Tip**

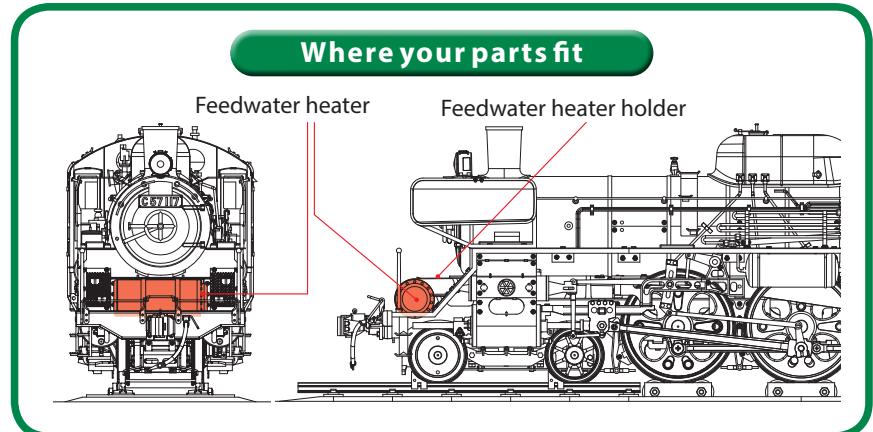
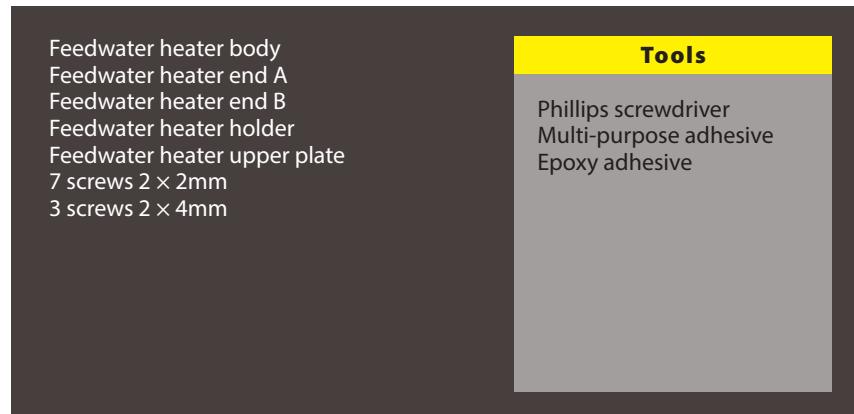
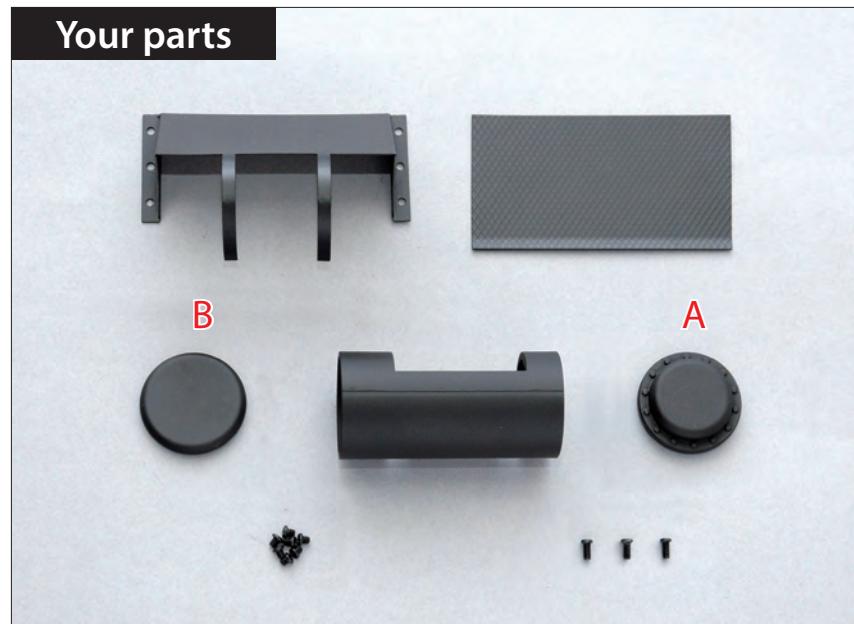
The sides of the front deck and running board are painted white on the real C57. White pieces are supplied to recreate this paintwork on the model.

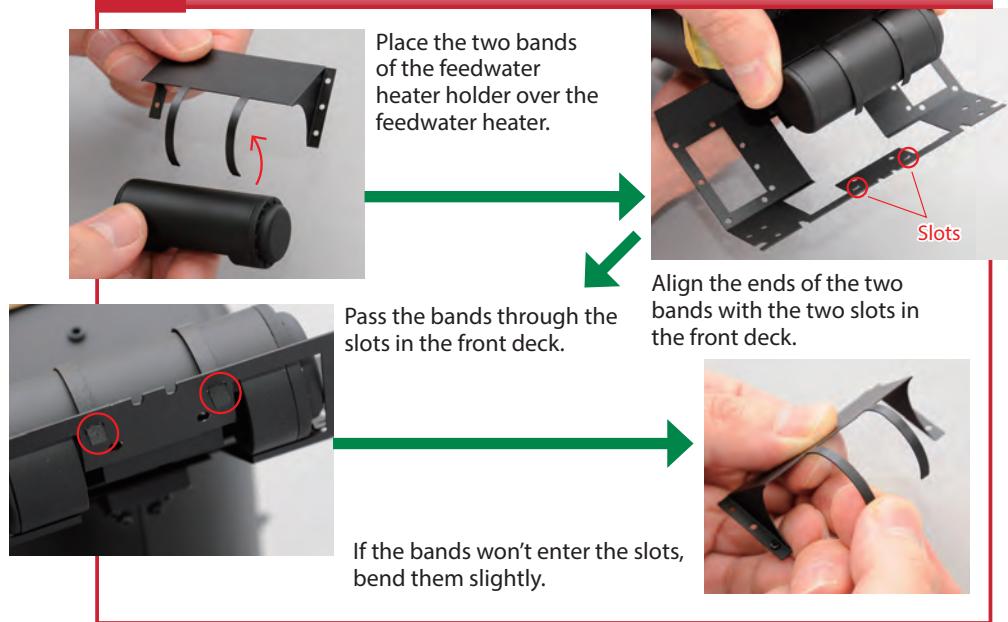
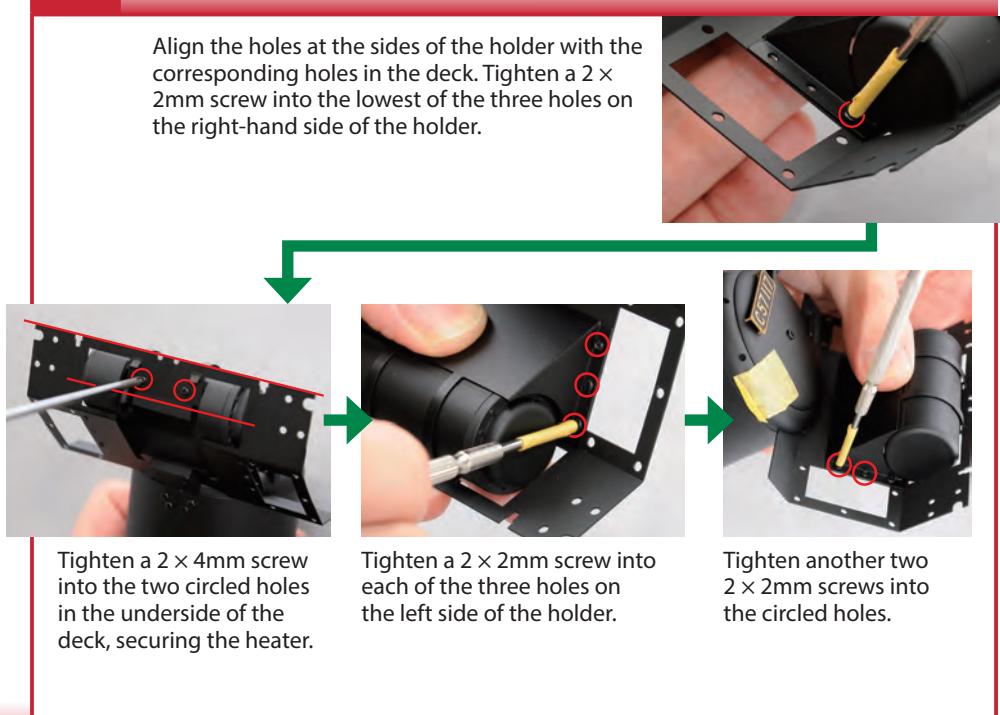
**4**

This stage is now complete. It is best to store the assembly on a raised surface, such as the top of a box, as shown above and on the far right. The photo on the right shows how the remaining parts will fit together.

**Complete**

# The feedwater system

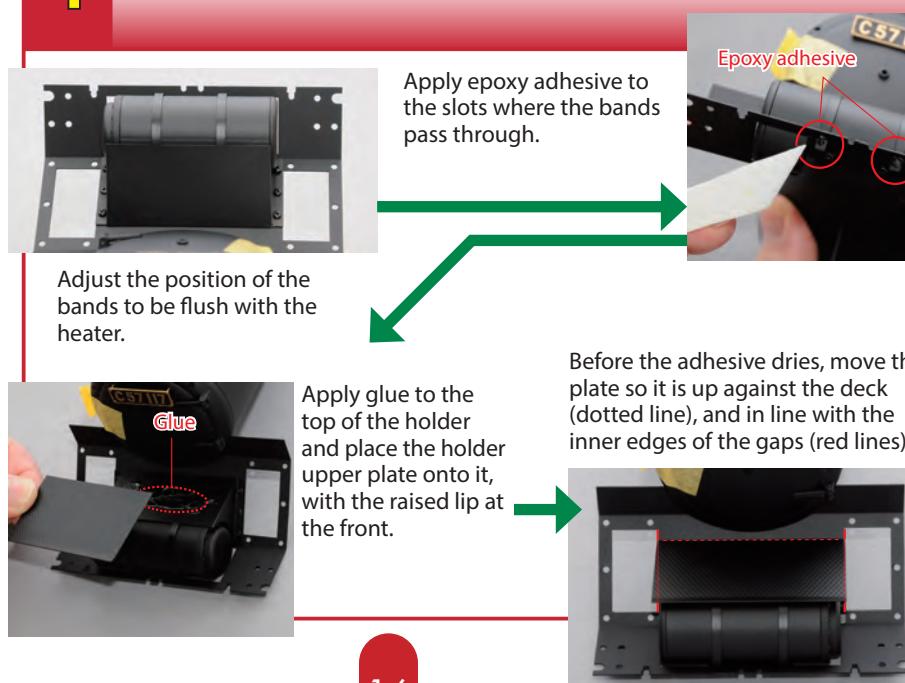


**2****3****Tips**

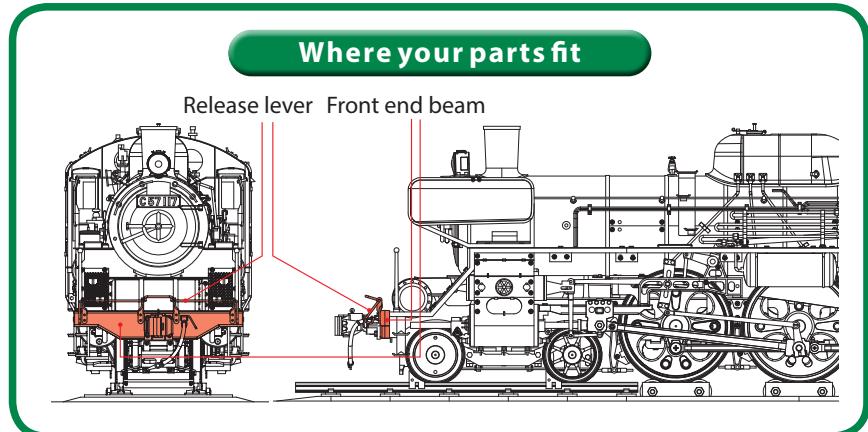
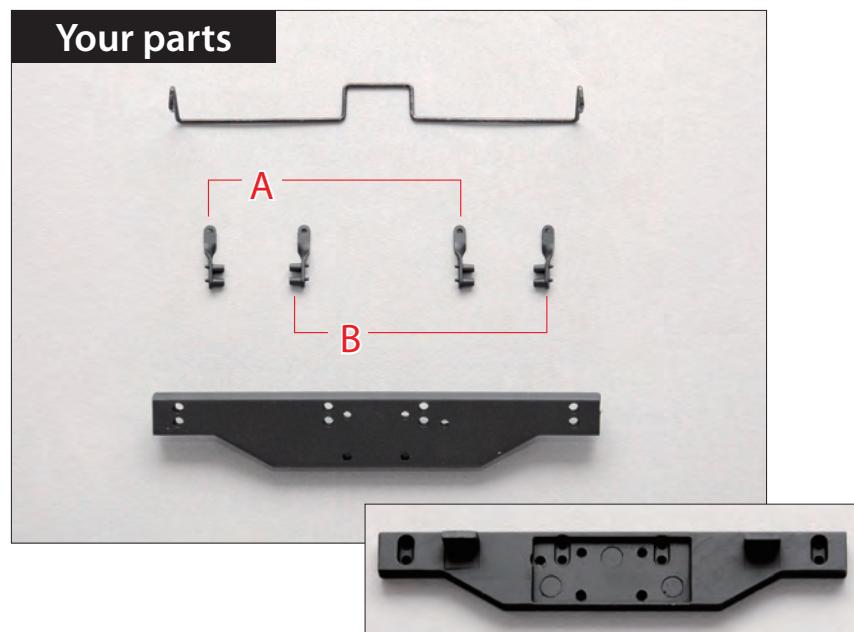
If it is hard to tighten screws into any of the six screw holes in the front deck (circled), you can use the screwdriver to remove some of the paint from the surface.



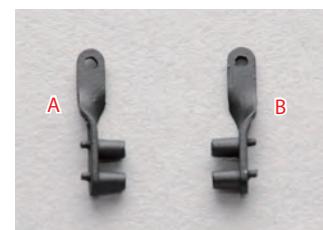
To avoid the screwdriver damaging any of the adjacent surfaces, you can cover the shank with masking tape, as shown.

**4****Complete**

# The release lever



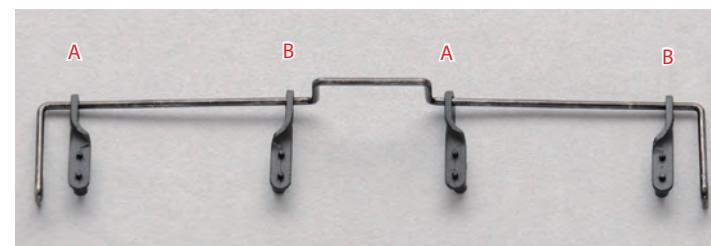
1



This picture shows the difference between a release lever A, on the left, and a release lever B, on the right.



Place the four release levers onto the release lever bar, alternating their order, as shown below.



This is how the release lever bar should look, with the levers positioned A, B, A, B, from the left to right.

**2**

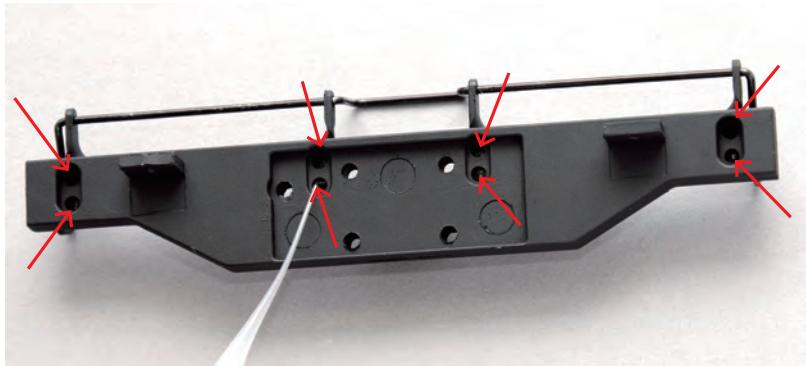
Apply some multi-purpose adhesive to the two pins on one of the levers.



Insert the pins of the lever into the corresponding holes in the front end beam. Then repeat for the other three levers.



If any excess adhesive is visible on the front end beam around the levers, use something pointed – such as a toothpick – to remove it before it dries.

**3**

Apply some instant adhesive to the rear of the holes housing the pins of the levers, to make sure they are secured.

## Tips

The three glues used in this series are all different, as detailed below:

### Multi-purpose adhesive

This glue takes time to dry, and so remains malleable for a while after application. This also allows excess to be removed easily.

### Instant adhesive/superglue

This liquid glue dries almost instantly, allowing you to place the parts in position and then apply it to the join between them.

### Epoxy adhesive

This slow-drying glue is incredibly strong. As a result, you must remove any excess before it dries.

## Tips

When using instant adhesive/superglue, the excess can sometimes dry a whitish colour, and because it dries so quickly it can be hard to remove excess from the surface. You can use hand cream to remove the excess whitened superglue.



Sometimes instant adhesive/superglue will cause whitening when it dries, as shown above.



Apply a small amount of the hand cream to a cotton swab.

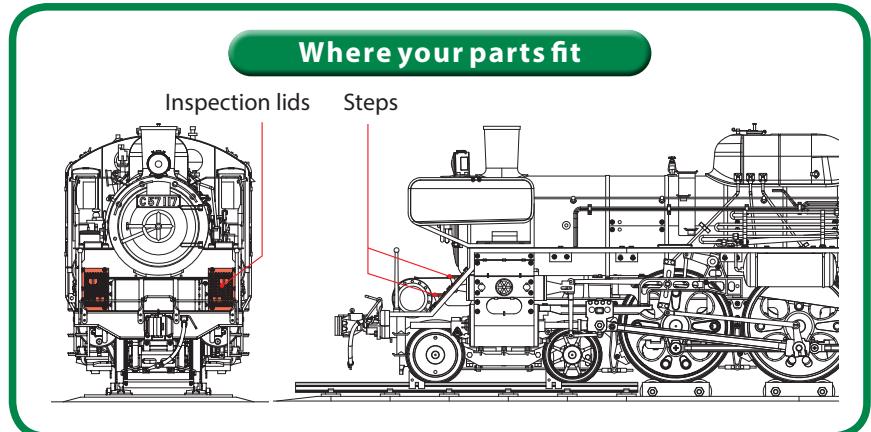
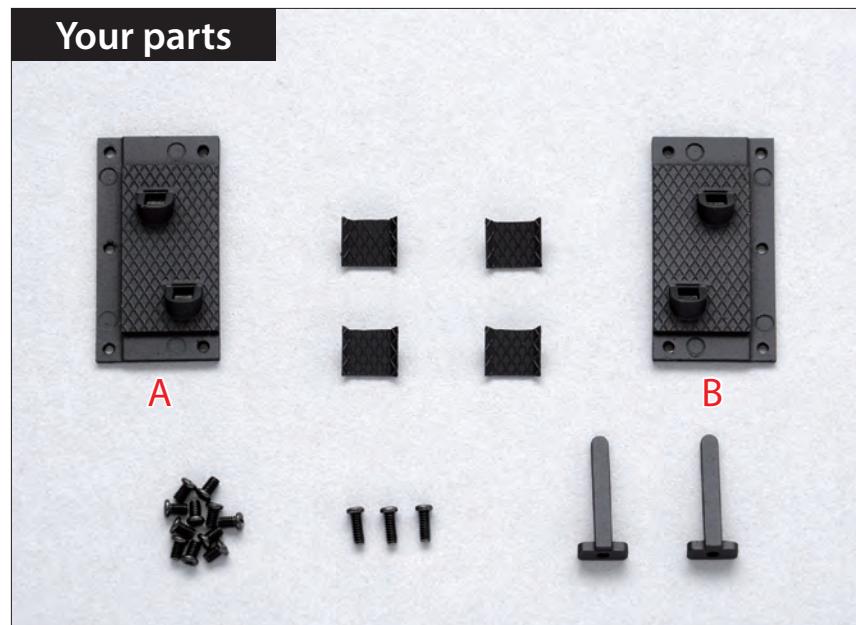


Gently apply the hand cream to the whitened areas.

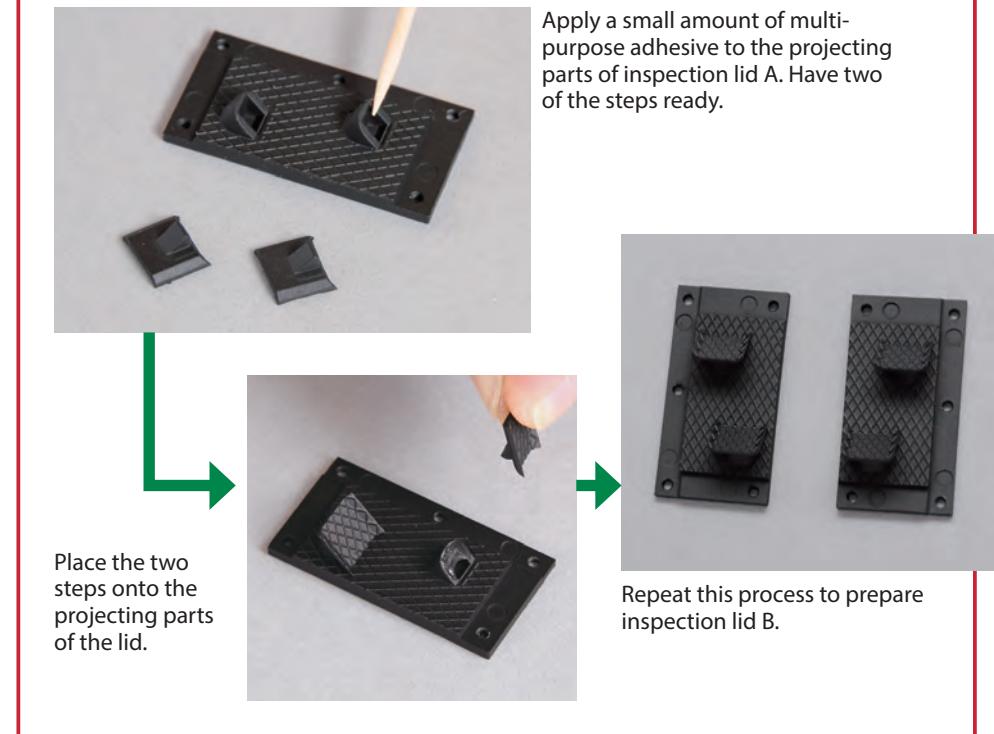
**Complete**



# The inspection lids



1



**2**

Place the front deck upper plate (Stage 5) onto the front deck.

Front deck upper plate

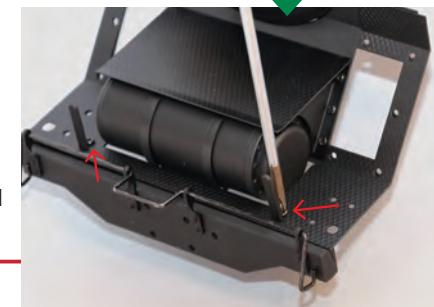
Position the upper plate so that the holes align with those in the front deck.

**3**

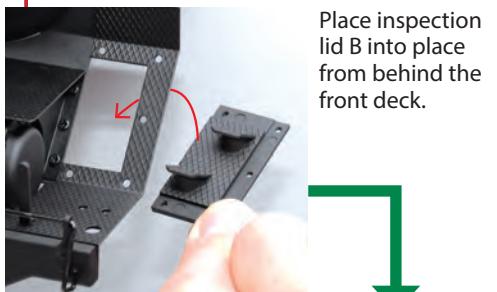
Align the holes at the rear of the front beam with those in the brackets.



Insert the two hanging brackets into the rectangular holes in the underside of the front deck.



Tighten a  $2 \times 5\text{mm}$  screw into the holes behind the bracket in the front deck (arrowed).

**4**

Place inspection lid B into place from behind the front deck.

Insert and partially tighten a  $2 \times 3\text{mm}$  screw into each of the two inner holes (arrowed) to hold the lid in place. Repeat for inspection lid A.

**5**

Insert the front left deck side (Stage 5) between the front deck and the inspection lid.



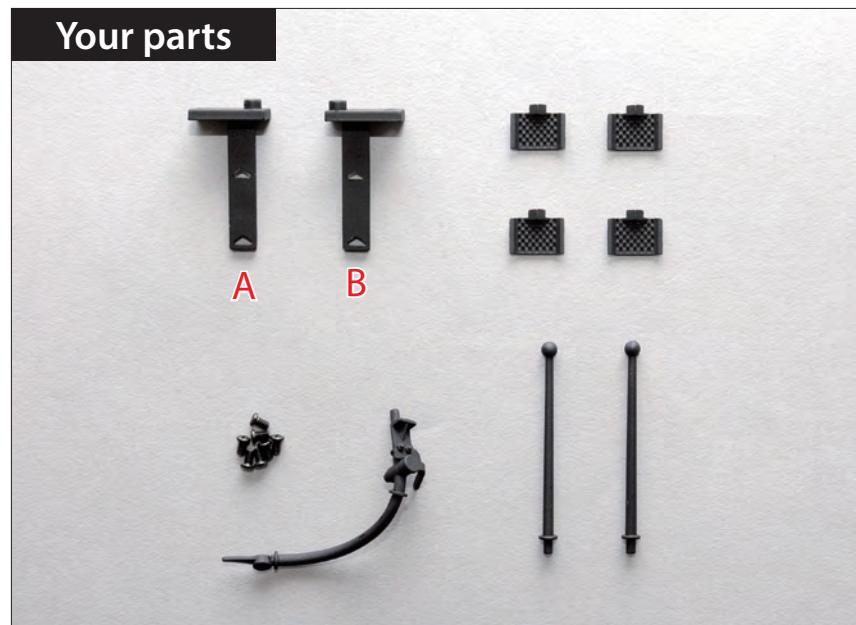
Align the three holes of the deck side with those in the front deck and inspection lid.



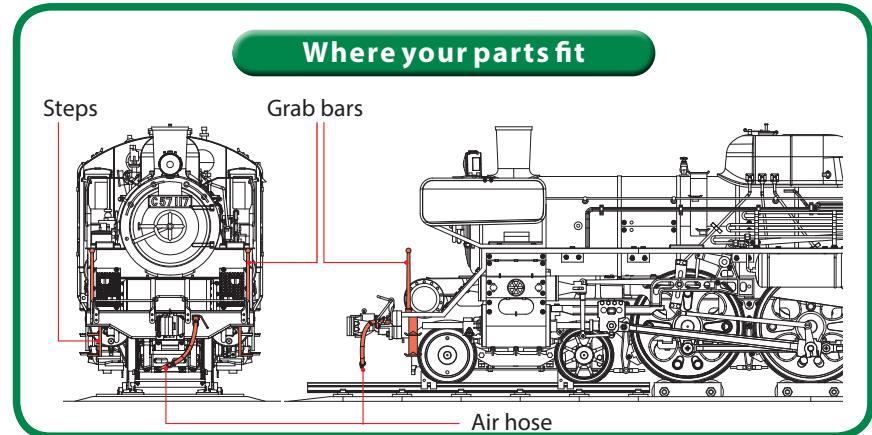
Tighten three  $2 \times 3\text{mm}$  screws into the holes at the side of the deck (circled) and then fully tighten the screws in the two inner holes (marked here with squares). Repeat this for the front right deck side.

**Complete**

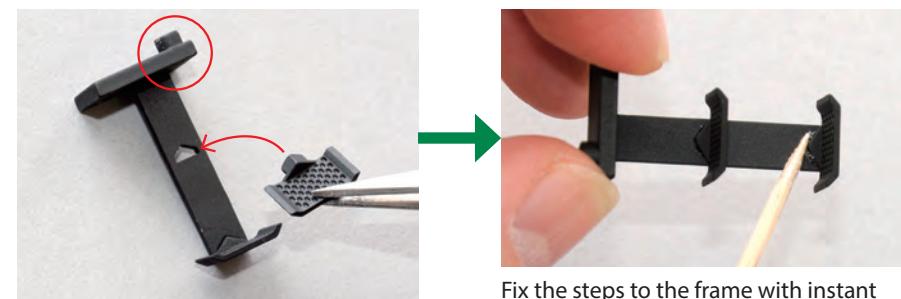
# The front deck parts



Step frame A	Tools
Step frame B	
Steps x 4	
7 screws 2 x 3mm	
Air hose	
Grab bars x 2	



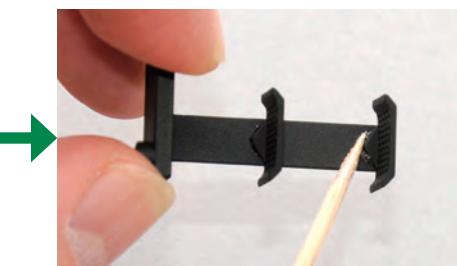
1



Insert the triangular projections of the steps into the holes in step frame A, identifiable by the position of the top projection (circled).



Apply a small amount of instant adhesive to the rear of the steps, as shown.



Fix the steps to the frame with instant adhesive, and remove any excess glue.



Repeat the process for step frame B. The step frames are distinguishable by the projections on top (arrowed).

**2**

Align the projection on the top of steps B with the circled hole in the underside of the deck.

Tighten three 2 x 3mm screws into the circled holes. Repeat for steps A.



Push the projection in and then align the holes.

**3**

Glue the second grab bar into the hole on the right-hand side of the front deck.



Glue one of the grab bars into the circled hole on the left-hand side of the front deck with multi-purpose adhesive.



Apply instant adhesive to the undersides of the grab bars.

**Tip**

During assembly, you may have scraped away some of the black paint on the parts. If that is the case, you can repair it by painting with a matching paint (matt black).

**4**

Test-fit the air hose into the circled hole in the front beam.



Apply multi-purpose adhesive to the points indicated in the photo.



Place the air hose into position and remove any excess adhesive.



Apply a small amount of instant adhesive to the air hose from the back of the front beam.

**Complete**

# The main underframe

## Your parts



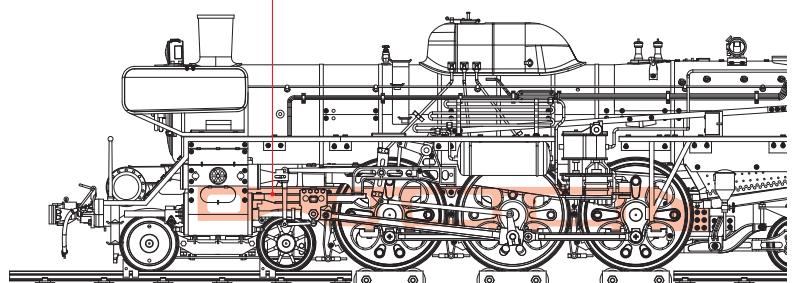
Main underframe (left)  
Main underframe (right)  
Brake support (left)  
Brake support (right)  
Main underframe brace  
3 screws 2 x 3mm  
5 screws 2 x 5mm

## Tools

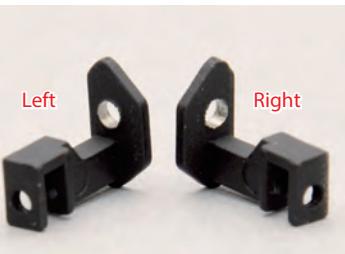
Phillips screwdriver

## Where your parts fit

The main underframe



1



Place the left and right brake supports together to identify them.



The right brake support fits to the right main underframe at the circled point, and the left brake support fits to the left main underframe at the circled point.

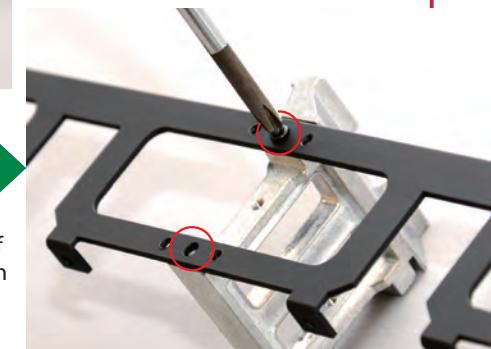
**2**

Fit the brake supports to the underframes with  $2 \times 3\text{mm}$  screws.

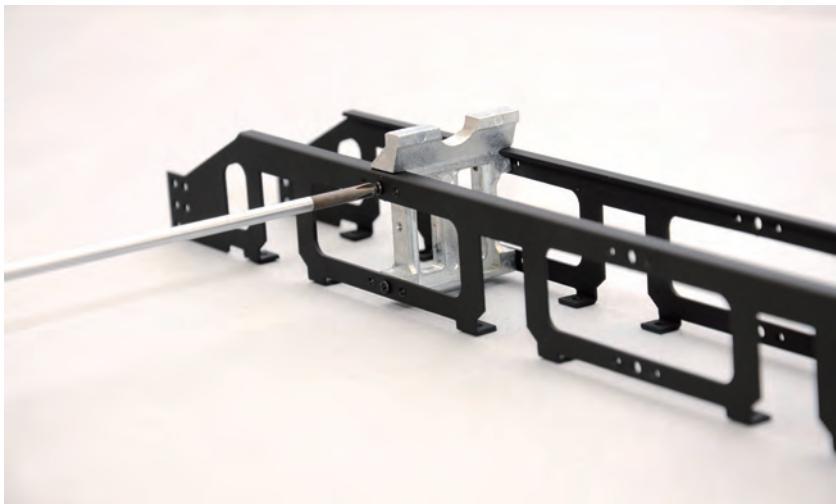
This is how the brake supports should appear when fitted to the underframes.

**3**

Position the main underframes and the brace as shown in the photo.



Tighten a  $2 \times 5\text{mm}$  screw into each of the two circled holes in the right main underframe to secure it to the brace.

**4**

Secure the left main underframe to the free side of the brace with another two  $2 \times 5\text{mm}$  screws.

**Complete**

# The main underframe front

## Your parts



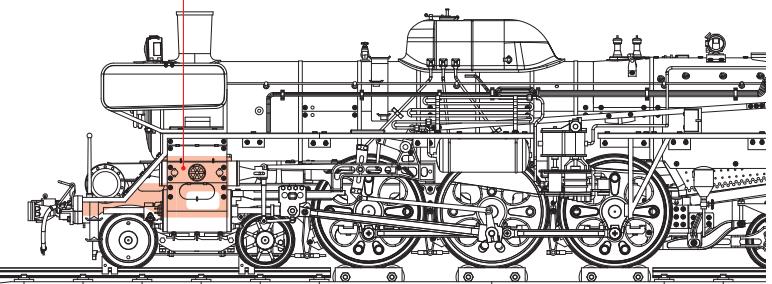
Main underframe front  
Smoke chamber support  
17 screws 2 x 4mm  
Truck support

## Tools

Phillips screwdriver

## Where your parts fit

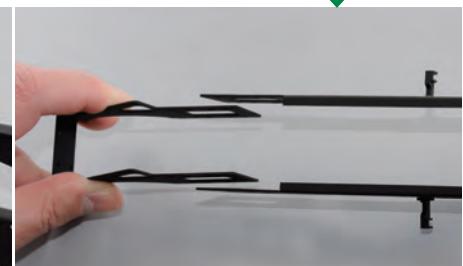
Main underframe front



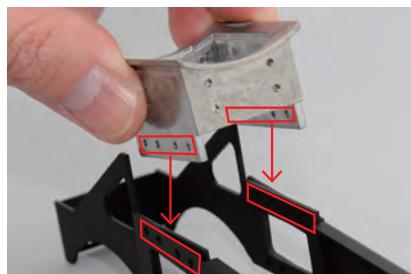
1



Position the main underframe (Stage 10) as shown, together with the main underframe front, smoke chamber support and truck support.

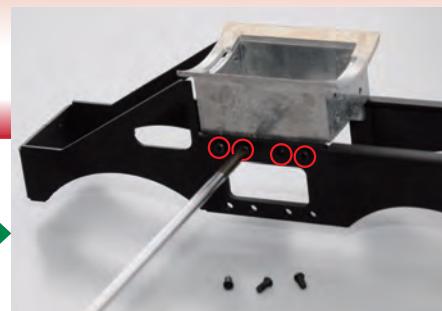


Lightly squeeze the rear ends of the main underframe front together and place them between the front ends of the main underframe assembly.

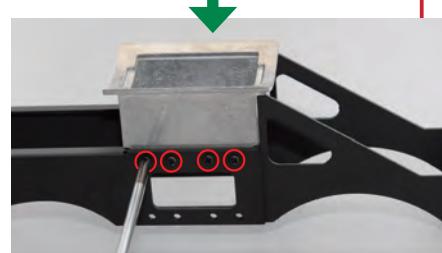
**2**

Position the smoke chamber support between the sections where the underframe components overlap, aligning the holes of all three parts.

Tighten four more  $2 \times 4$ mm screws into the holes in the right underframe, securing the parts together.



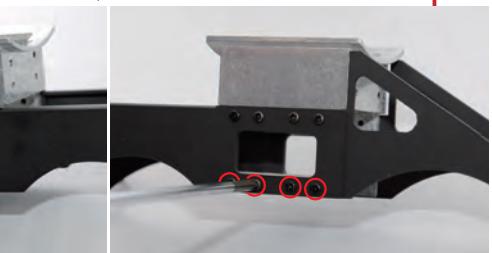
Tighten a  $2 \times 4$ mm screw into each of the four aligned holes in the left underframe.

**3**

Turn the underframe assembly over and place the truck support between the sides, below the smoke chamber support.



Tighten a  $2 \times 4$ mm screw into each of the four aligned holes on each side of the underframe assembly.



## FOCUS The underframe

The underframe structure of your C57 model authentically recreates the underframe of the real steam locomotive. The only differences are the size and the materials used.

**4**

Place the underframe on a flat surface, as shown, and lightly press down on the top. Check that the bottom is resting flat in the area between the arrowheads.

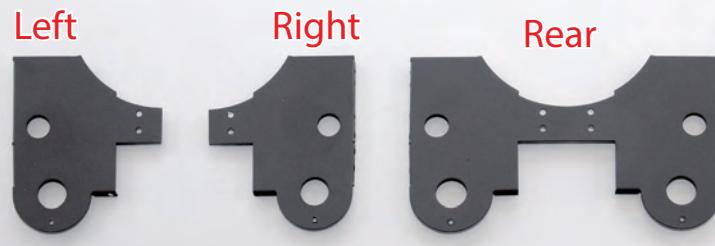


Check all the screws and tighten any that are loose.

**Complete**

# The cylinder plates

## Your parts

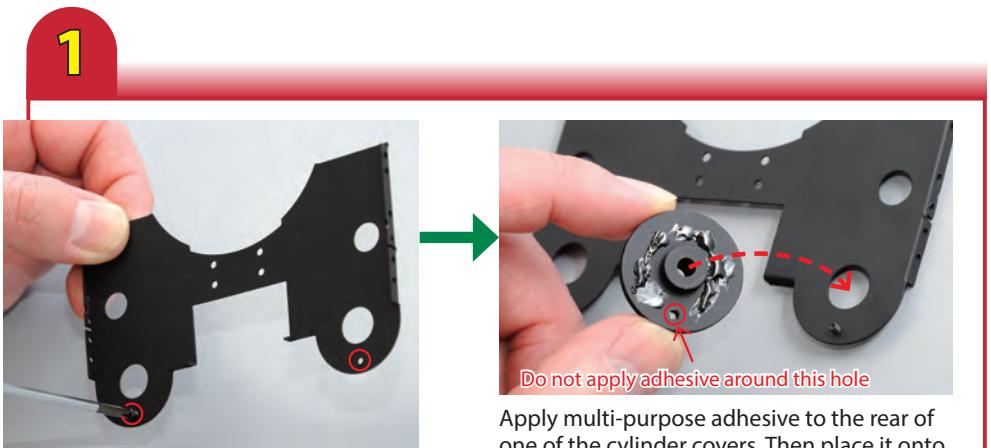
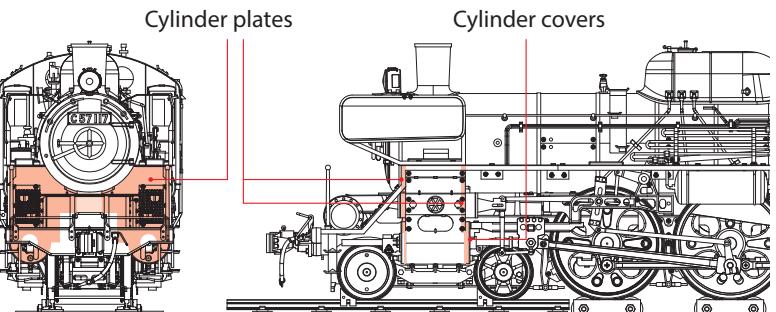


Cylinder front plate (left)  
 Cylinder front plate (right)  
 Cylinder rear plate  
 9 screws 2 x 3mm  
 Cylinder covers x 2

### Tools

Phillips screwdriver  
 Multi-purpose adhesive

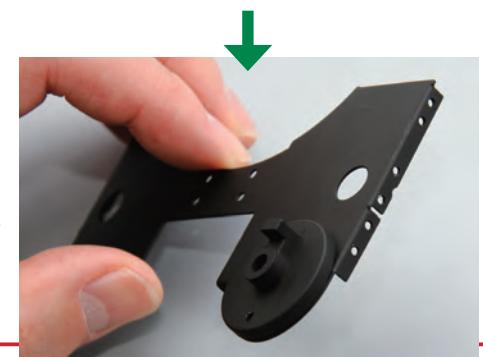
### Where your parts fit



Tighten a 2 x 3mm screw into each of the two circled holes in the cylinder rear plate.

This is how the cylinder cover should look in place on the cylinder rear plate.

Apply multi-purpose adhesive to the rear of one of the cylinder covers. Then place it onto one arm of the cylinder rear plate, as shown, using the screw as a locating pin.

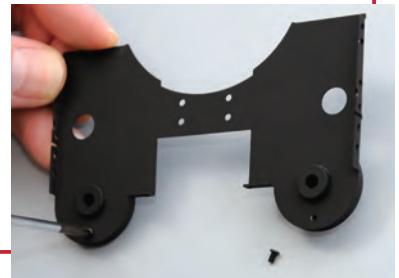


**2**

Fit the second cylinder cover to the cylinder rear plate in the same way as the first. Remove any excess glue from around the covers before they dry.

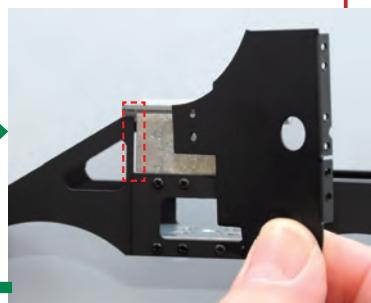


Remove the two screws from the cylinder rear plate.

**3**

The cylinder front plate is divided into two parts. The front faces of the plates are flat.

Insert the left cylinder front plate into the gap between the underframe and the smokebox support.

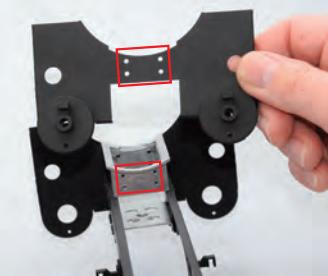


Align the holes of the left cylinder front plate with those in the smokebox support.

Fit the right cylinder front plate in the same way, and then secure both plates with 2 x 3mm screws.

**Tip**

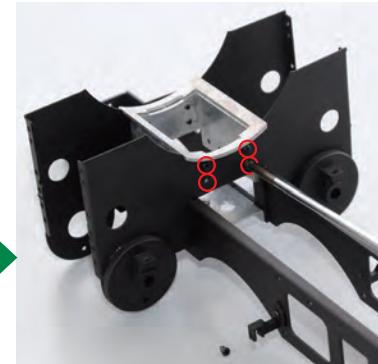
If either the cylinder front plates or rear plate doesn't fit into position, loosen the screws holding the smokebox support in place. Fit the plates and then retighten the screws.

**4**

Align the four holes on the cylinder rear plate with those in the rear of the smokebox support.



Tighten a 2 x 3mm screw into each of the aligned holes.

**Complete**