



Build the

# C57

Steam  
Locomotive

Pack 10



## Contents

Step by step	Page
Stage 74: The tender 3	170
Stage 75: The tender 4	172
Stage 76: The tender truck 1	173
Stage 77: The tender truck 2	175
Stage 78: The tender truck 3	177
Stage 79: The tender truck 4	179
Stage 80: Detailing the tender 1	181
Stage 81: Detailing the tender 2	184
Stage 82: Detailing the tender 3	186

Editorial and design by Continuo Creative, 39-41 North Road, London N7 9DP.

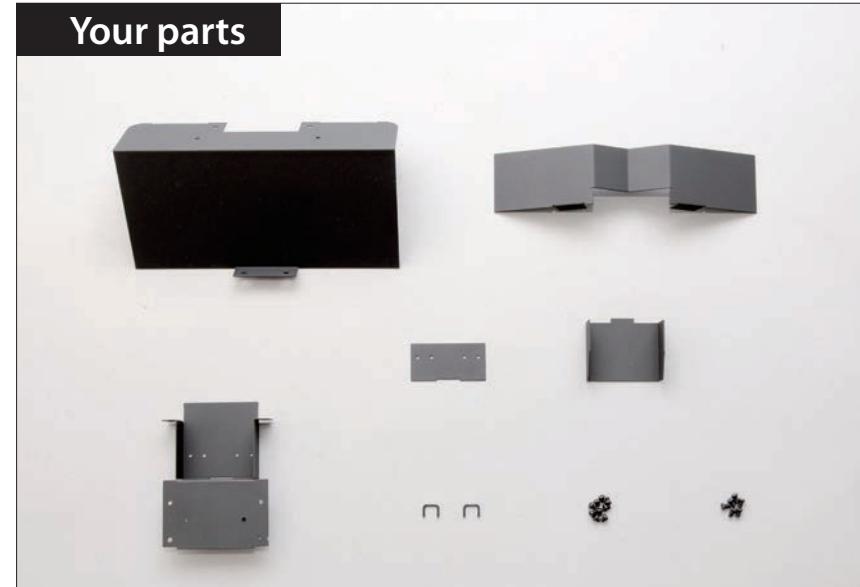
Published in the UK by De Agostini UK Ltd, Battersea Studios 2, 82 Silverthorne Road, London SW8 3HE.

Published in the USA by De Agostini Publishing USA, Inc., 121 E. Calhoun Street, Woodstock, IL 60098.

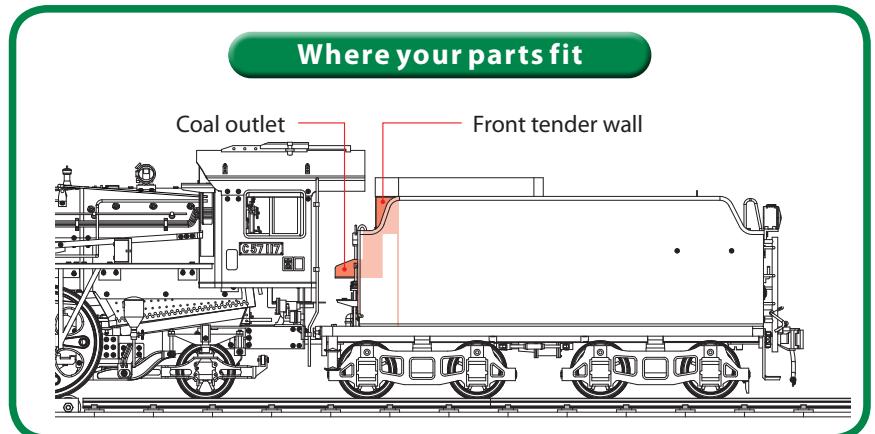
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Warning: Not suitable for children under the age of 14. This product is not a toy and is not designed or intended for use in play. Items may vary from those shown.

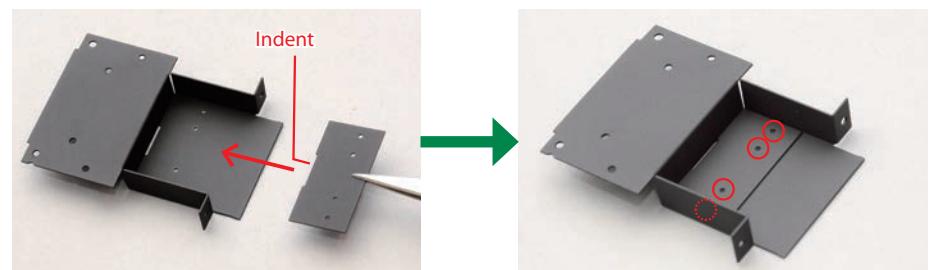
# The tender 3



Front tender wall A	<b>Tools</b>
Front tender wall B	Phillips screwdriver
Coal outlet A	Synthetic rubber adhesive (SRA)
Coal outlet door	Instant adhesive
Coal outlet B	
Handles x 2	
Screws (2 x 2mm) x 9	
Screws (2 x 3mm) x 6	

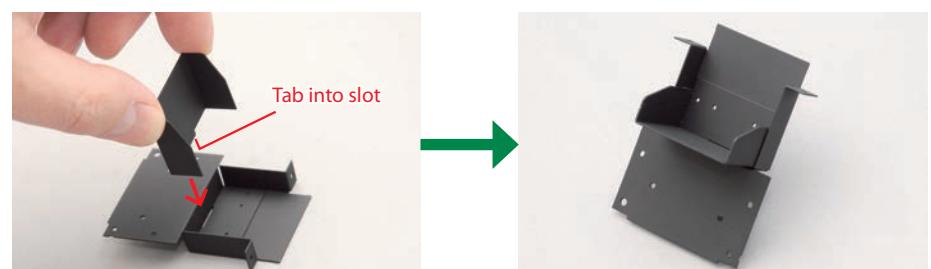


1



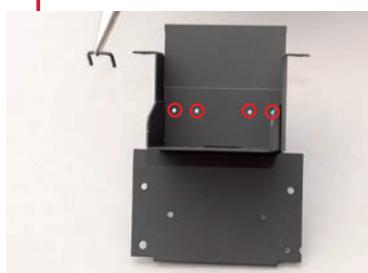
Use SRA to fit the coal outlet door to the coal outlet A, noting the position of the indent.

Ensure these four holes align.



Now add the coal outlet B, securing with SRA. Its tab should fit into the rectangular slot.

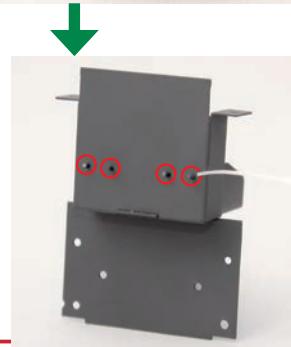
Your assembly should look like this.

**2**

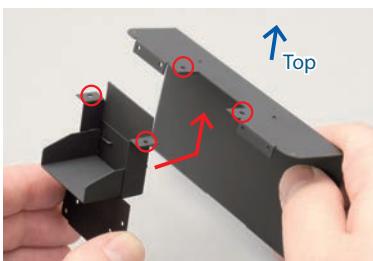
The two handles will fit side by side in the circled holes.



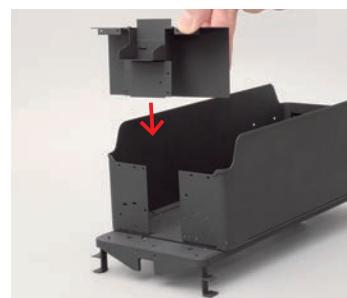
Your assembly should look like this.



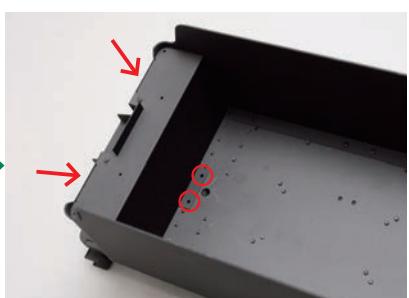
Insert both handles and apply a little instant adhesive, from the back.

**3**

Line up the coal outlet assembly to the front tender wall A, as shown.

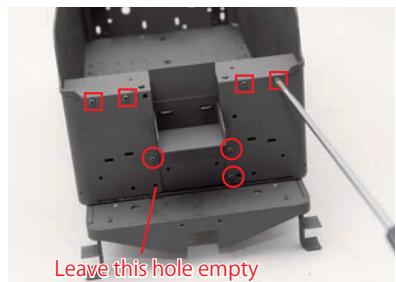


Slide the assembly down onto the gap at the front of the tender.



Secure with two 2 x 3mm screws.

Make sure the arrowed sides and circled holes align.

**4**

Use 2 x 3mm screws to secure the area marked by the circles, and 2 x 2mm screws for the squares.

Leave this hole empty



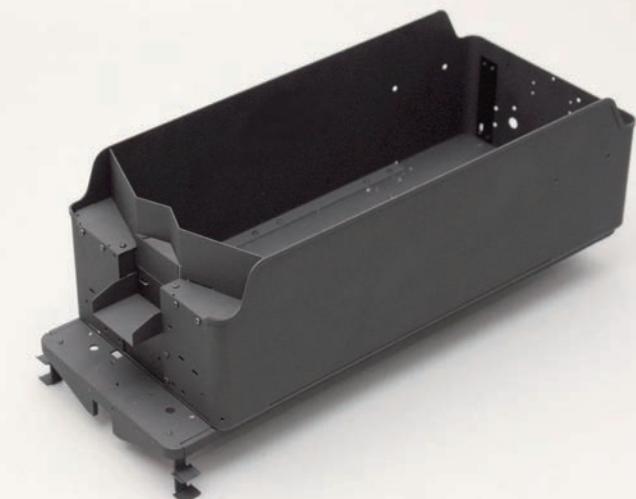
Use two more 2 x 3mm screws to secure these circled holes.

**5**

Now add the front tender wall B to the top of part A, aligning the circled holes.



Two 2 x 3mm screws will secure the parts.

**Complete**

# The tender 4

## Your parts



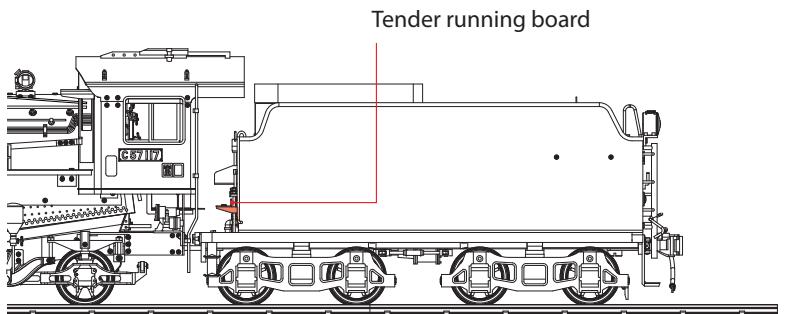
Tender running board  
Running board support A  
Running board support B  
Running board support C  
Screws (2 x 3mm) x 7

## Tools

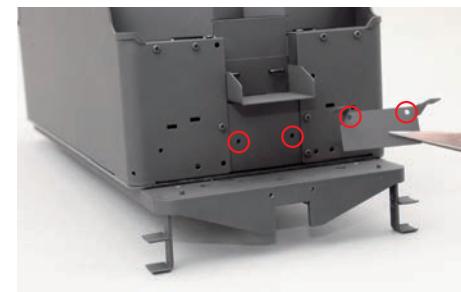
Phillips screwdriver

That is all the work for this stage, so keep the other parts safely until they are needed.

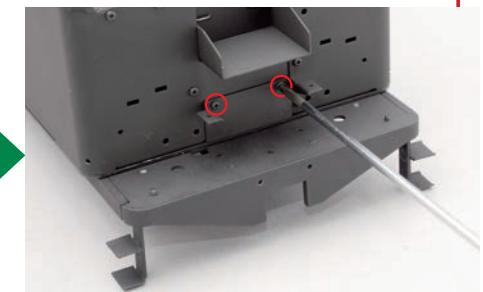
## Where your parts fit



1

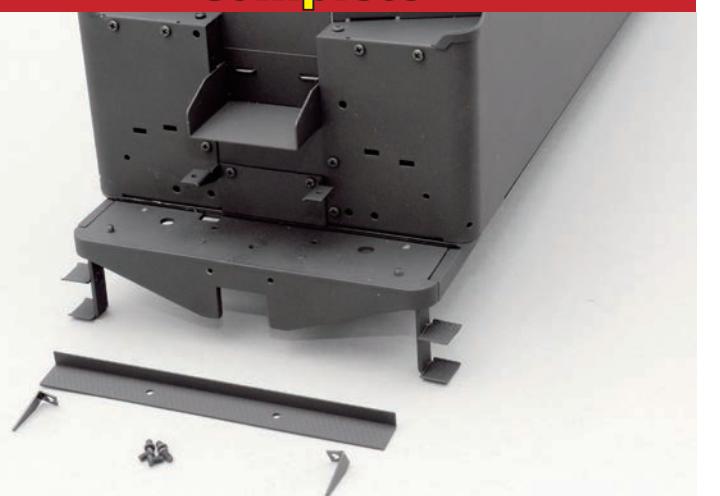


Line up the holes on the front tender assembly and running board support A.



Secure with two 2 x 3mm screws.

Complete



# The tender truck 1

## Your parts

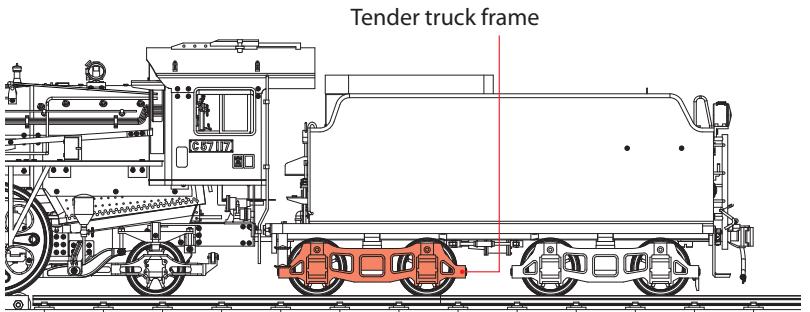


Tender truck frames x 2  
Brackets A x 2  
Brackets B x 2  
Tender truck mount  
Screws (M2 x 5mm) x 9

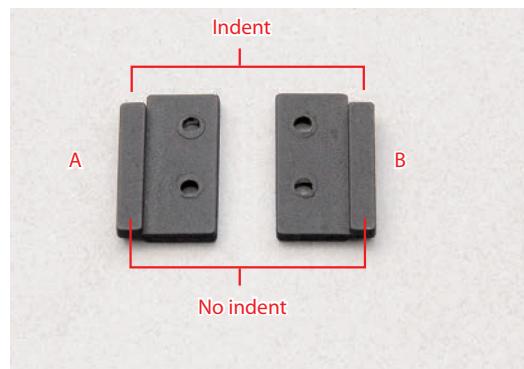
## Tools

Synthetic rubber adhesive (SRA)  
Instant adhesive

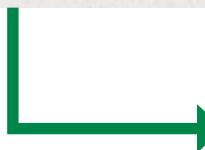
## Where your parts fit



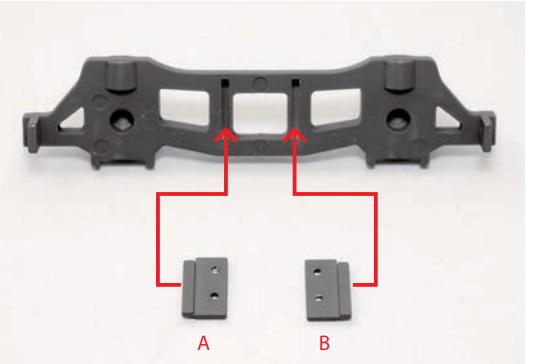
1

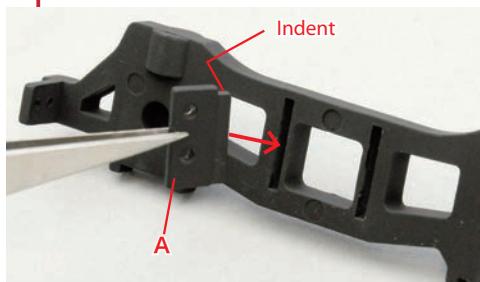


Familiarise yourself with the brackets A and B: they are a mirror image of one another.

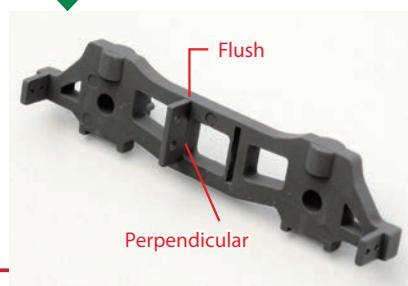


One bracket A and one bracket B will fit into the flatter side of the tender truck frames, as shown.

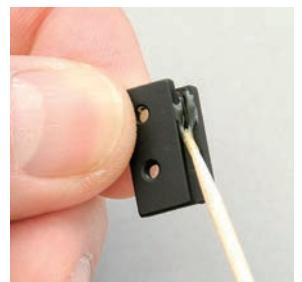


**2**

Test-fit the first bracket A to its slot on one of the tender truck frames (it doesn't matter which), making sure the indent is at the top of the part.



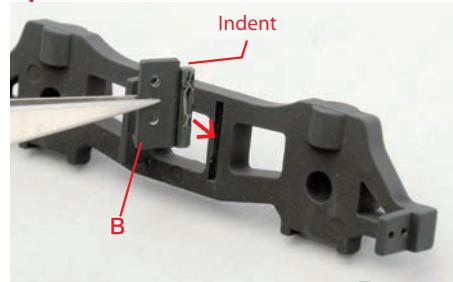
The join should look like this.



Remove the bracket and dab SRA onto the tab on the part's left/inside edge.



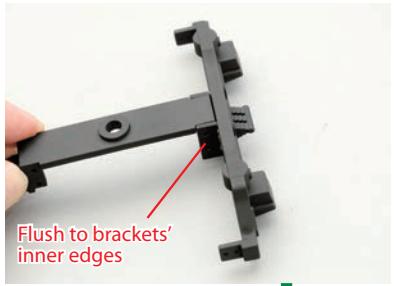
Refit the part, and dab away any excess adhesive.

**3**

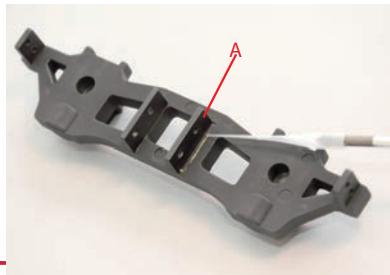
Repeat the work of the previous step to fit the bracket B.



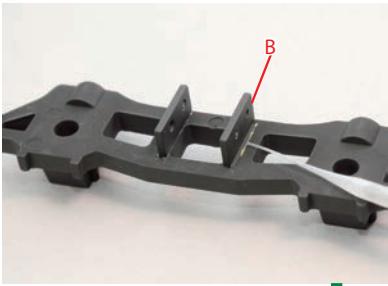
Your assembly should look like this.

**4**

Test-fit the tender truck mount into the slot created by the two brackets.



Once you are happy that the parts are set correctly, remove the mount and reinforce the join of the bracket A with a little instant adhesive.



Now reinforce the join of bracket B.



Repeat the work of Steps 2-4 to assemble the other tender truck frame and mount assembly.

**Complete**

# The tender truck 2

## Your parts

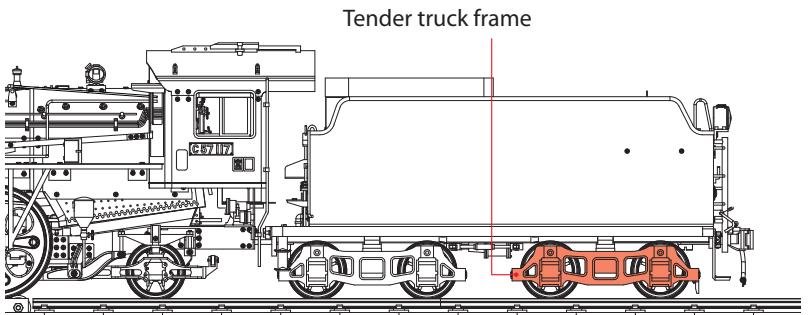


Tender truck frames x 2  
Brackets A x 2  
Brackets B x 2  
Tender truck mount  
Screws (2 x 5mm) x 9

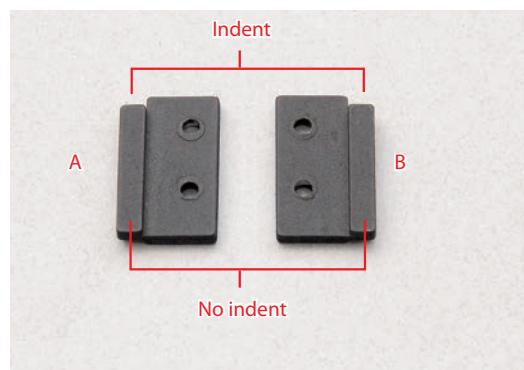
## Tools

Synthetic rubber adhesive (SRA)  
Instant adhesive

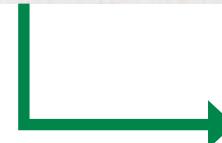
## Where your parts fit



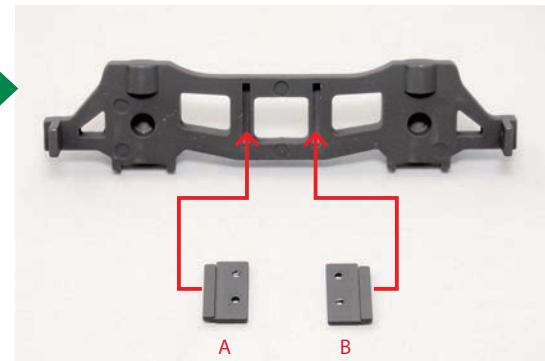
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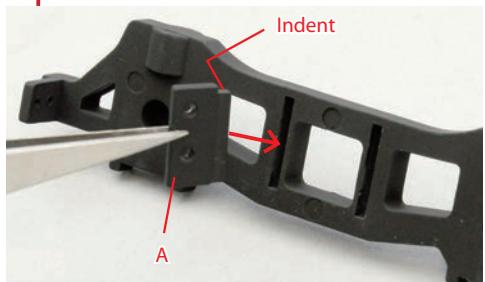


Familiarise yourself with the brackets A and B: they are a mirror image of one another.

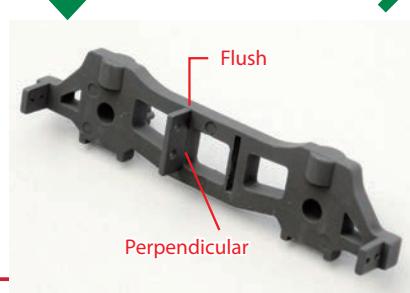


One bracket A and one bracket B will fit into the flatter side of the tender truck frames, as shown.



**2**

Test-fit the first bracket A to its slot on one of the tender truck frames (it doesn't matter which), making sure the indent is at the top of the part.



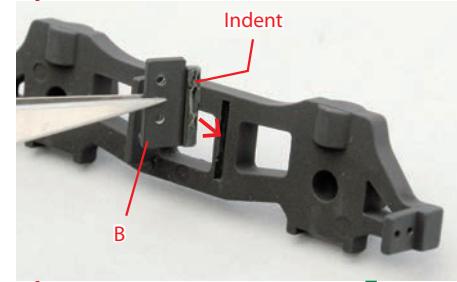
The join should look like this.



Remove the bracket and dab SRA onto the tab on the part's left/inside edge.



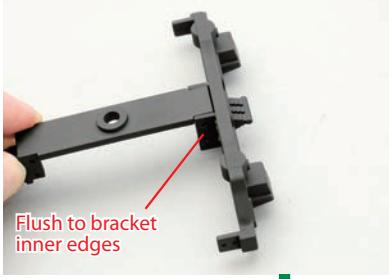
Refit the part, and dab away any excess adhesive.

**3**

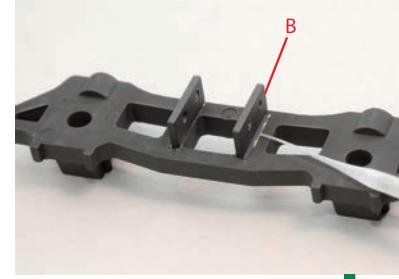
Repeat the work of the previous step to fit the bracket B.



Your assembly should look like this.

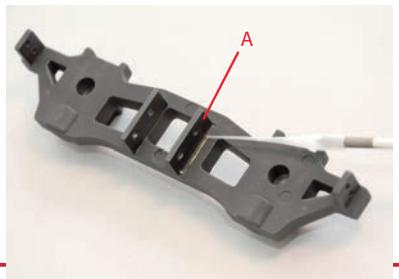
**4**

Test-fit the tender truck mount into the slot created by the two brackets.



Now reinforce the join of bracket B.

Once you are happy that the parts are set correctly, remove the mount and reinforce the join of the bracket A with a little instant adhesive.



Repeat the work of Steps 2-4 to assemble the other tender truck frame and mount assembly.

**Complete**

# The tender truck 3

## Your parts

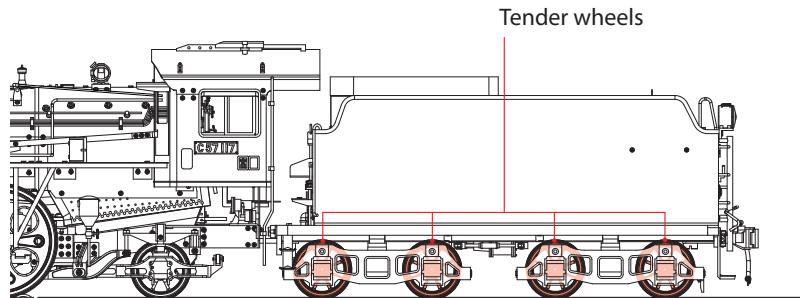


Wheels x 4  
Bushes x 8

## Tools

Phillips screwdriver  
Synthetic rubber adhesive (SRA)  
Toothpick  
Tweezers

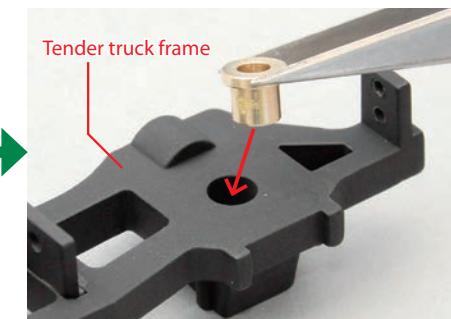
## Where your parts fit



1



Use a toothpick to apply SRA around the longer sides of one of the bushes.



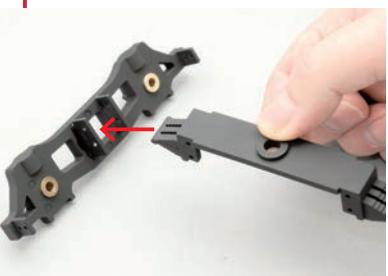
Now use tweezers to fit it into the hole of one of the tender truck frame assemblies built over the past two stages (it does not matter which), from the side shown.



Press in until the bush's wider rim sits flush with the hole's edge. Wipe away any excess adhesive.

**2**

Repeat for all eight bushes, fitting these into the holes in all four tender truck frames, making sure you set these from the correct side on each.

**3**

Now fit one of the truck mounts received in the previous two stages to one frame, as you did for the test fit previously.



Use two more 2 x 5mm screws to secure from the opposite side.



Use two 2 x 5mm screws also received in Stages 76 and 77 to lightly secure the mount, as shown.



Once all the parts are aligned correctly, fully tighten the screws.

**4**

Lay out two sets of wheels between the tender frame/mount assembly and a free frame.



Set the tips on one side of both wheel sets into the mount/frame assembly, then into the corresponding holes on the free frame. Then repeat Step 3 to secure that frame to the mount.

**5**

Repeat the work of Steps 3-4 to assemble the other wheel sets and mount/frame assemblies.

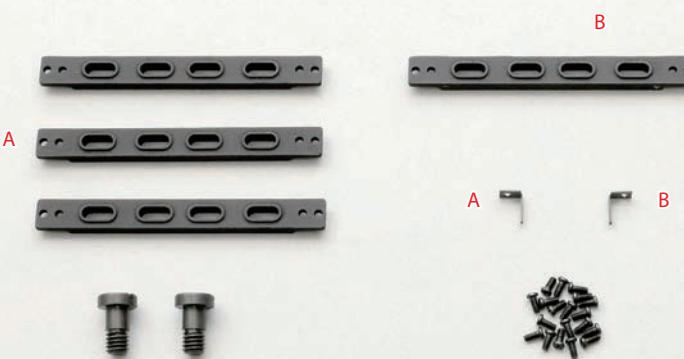


Once complete, turn the wheels a little to ensure they rotate freely.

**Complete**

# The tender truck 4

## Your parts

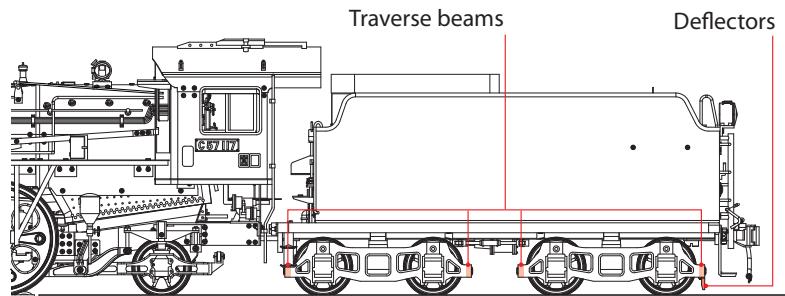


Traverse beams A x 3  
 Traverse beam B  
 Deflector A  
 Deflector B  
 Pivot screws x 2  
 Screws (2 x 4mm) x 19

## Tools

Phillips screwdriver  
 Flathead screwdriver

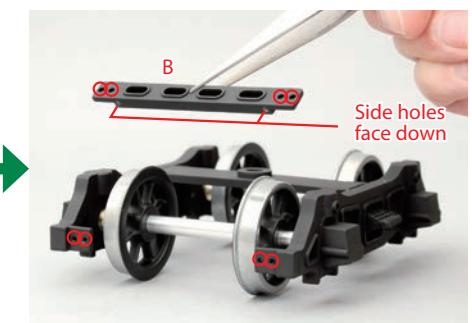
## Where your parts fit



1



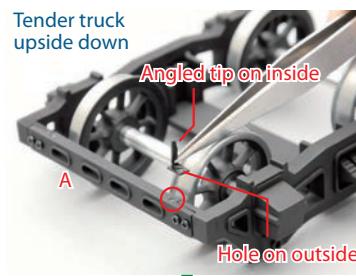
Differentiate between the traverse beams A and B by locating the holes on the side of the single beam B.



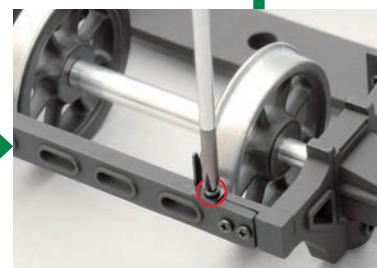
Position the beam B as shown above the rear of one of the previously assembled tender trucks.



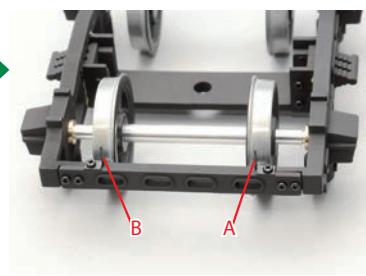
Secure with 2 x 4mm screws.

**2**

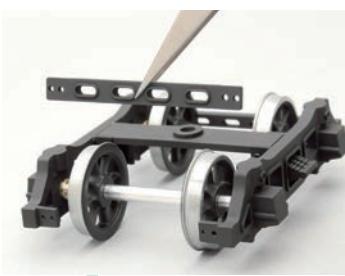
Turn the tender truck upside down, then place deflector A onto the indicated hole, orienting the part exactly as shown here.



Secure with a 2 x 4mm screw.



Repeat for deflector B – so that the parts are the mirror image of one another when fitted.

**3**

Turn the truck back over and line up a traverse beam A to its other end. It does not matter which way up it goes.



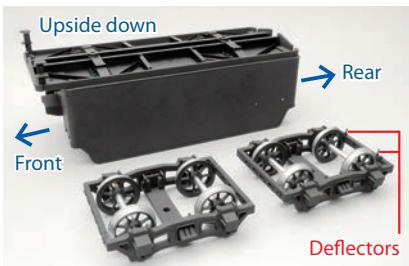
Secure with 2 x 4mm screws.

**4**

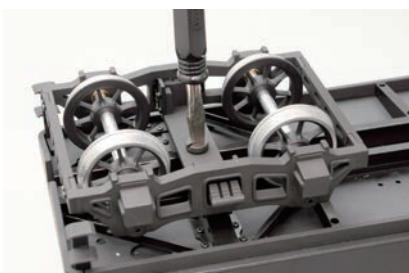
Repeat the work of Step 3 to fit the remaining two traverse beams A to the other tender truck.



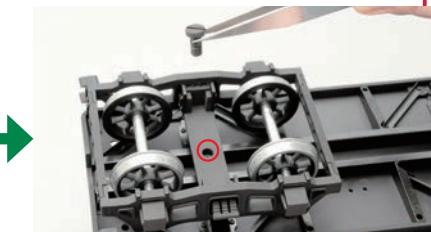
Your assembly should look like this.

**5**

Lay the tender and both trucks upside down on your work surface. The truck with deflectors will be at the rear of the assembly.



Use a flathead screwdriver to do this.



Line up the forward truck to the upturned base of the tender, line up the circled screw hole to the one on the tender, then use a pivot screw to secure the parts.

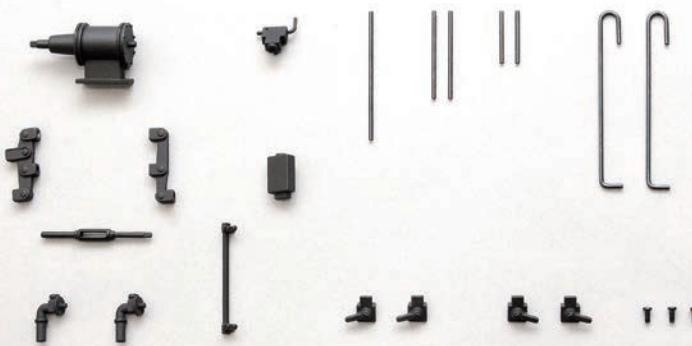


Now repeat for the rear truck – making sure the end with the deflectors is facing the rear.

**Complete**

# Detailing the tender 1

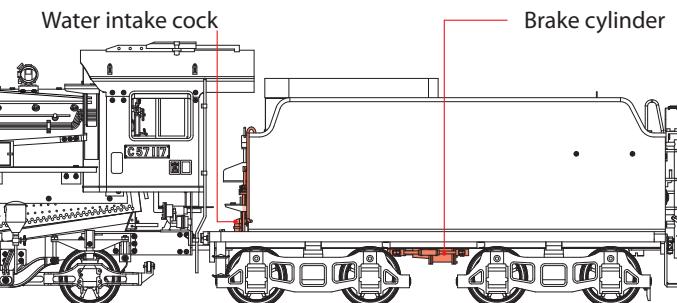
## Your parts



Brake cylinder  
 Brake cylinder bracket A  
 Brake cylinder bracket B  
 Brake cylinder turnbuckle  
 Brake handle  
 Brake gearbox  
 Handbrake shaft  
 Water intake pipes (long) x 2  
 Water intake pipes (short) x 2  
 Handrails x 2  
 Water intake cocks x 2  
 Water level gauge  
 Water intake cock handles A x 2  
 Water intake cock handles B x 2  
 Screws (2 x 4mm) x 3

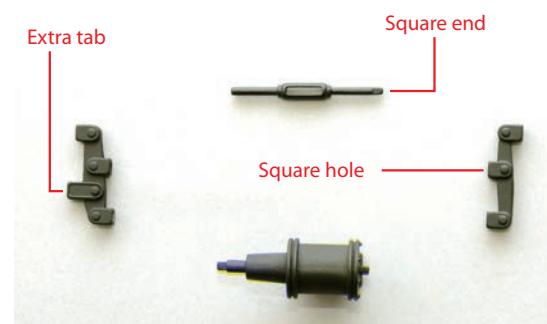
## Tools

Phillips screwdriver  
 Synthetic rubber adhesive (SRA)

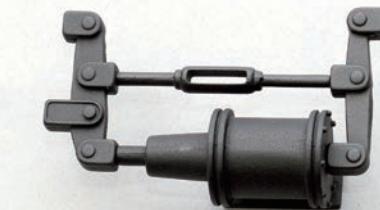


## Where your parts fit

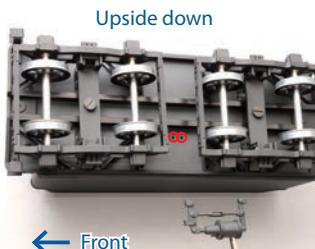
1



The four parts that make up the brake cylinder (the brake cylinder itself, its brackets A and B and turnbuckle) will fit together as shown.



Once you have done a dry assembly and are happy with the fit, use SRA to affix the parts permanently.

**2**

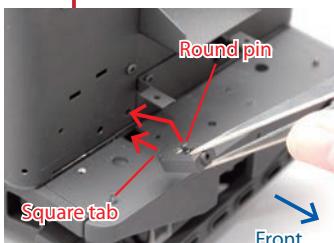
Locate the circled holes on the underside of the tender, then line up the brake cylinder's bottom plate to these.



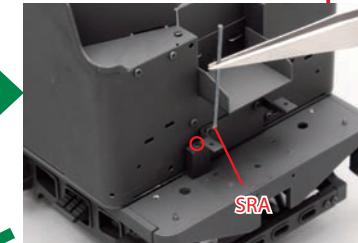
Use 2 x 4mm screws to secure the part, from the inside of the tender.



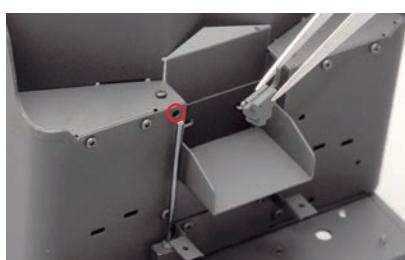
Your assembly should look like this.

**3**

Use the photo as a guide to affix the brake gearbox, using SRA once you are comfortable with how it fits.



Now use SRA to fit the handbrake shaft to the circled hole in the top of the gearbox.



The assembly should look like this.

**4**

Use SRA to fit the water level gauge to the circled holes. It does not matter which way round the part goes.



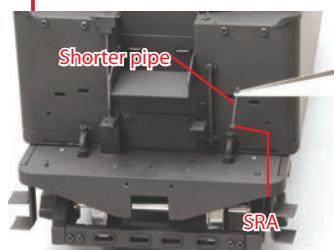
The part should look like this.

**5**

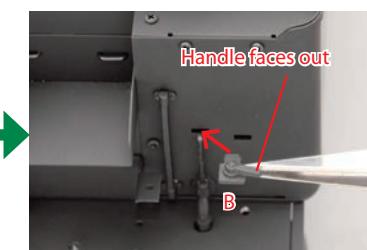
The first water intake cock will fit just next to the gauge. Use SRA only on the pin at the top of the part to adhere this.



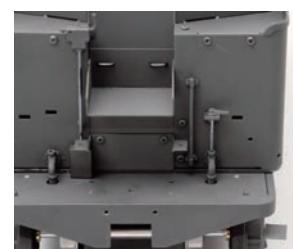
Fit the other water intake cock in the same way on the opposite side.

**6**

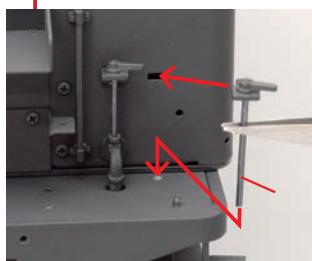
Dab the bottom tip of a short water intake pipe and fit it into the top of the left-side intake cock.



Use the water intake cock handle B to join the top of the intake pipe to the tender wall, by fitting the shaft's tip into it, then using SRA to adhere it to the arrowed slot.



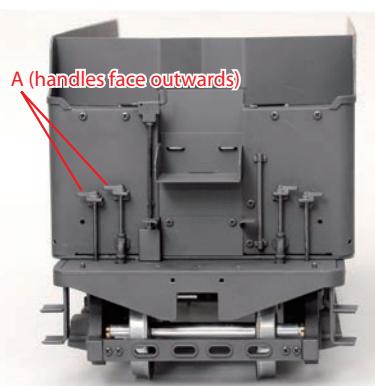
Your assembly should look like this.

**7**

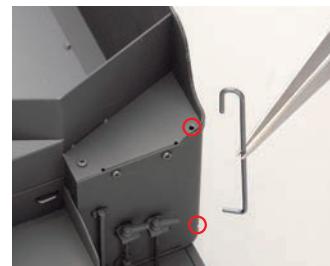
Do the same for one of the longer water intake pipes and the other intake handle B, this time gluing the handle onto the pipe, and then fitting into the hole and slot.



The pipes and handles should look like this.

**8**

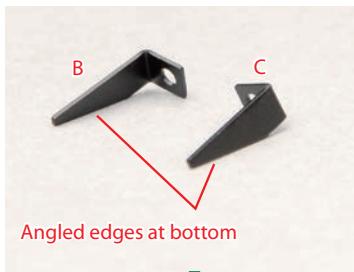
Use the same method to attach the two intake handles A and the remaining intake pipes. Note the orientation of the handles.

**9**

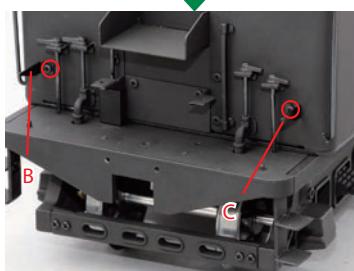
Use SRA to fix a handrail to the front-left corner of the tender wall via the two circled holes.



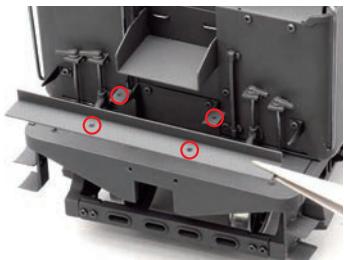
And repeat for the front-right corner.

**10**

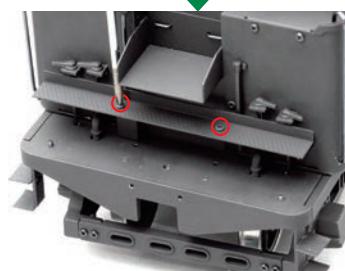
Fetch the running board supports B and C saved from Stage 75, and identify them using the photo.



Use the 2 x 3mm screws from Stage 75 to secure the supports to the front tender wall.



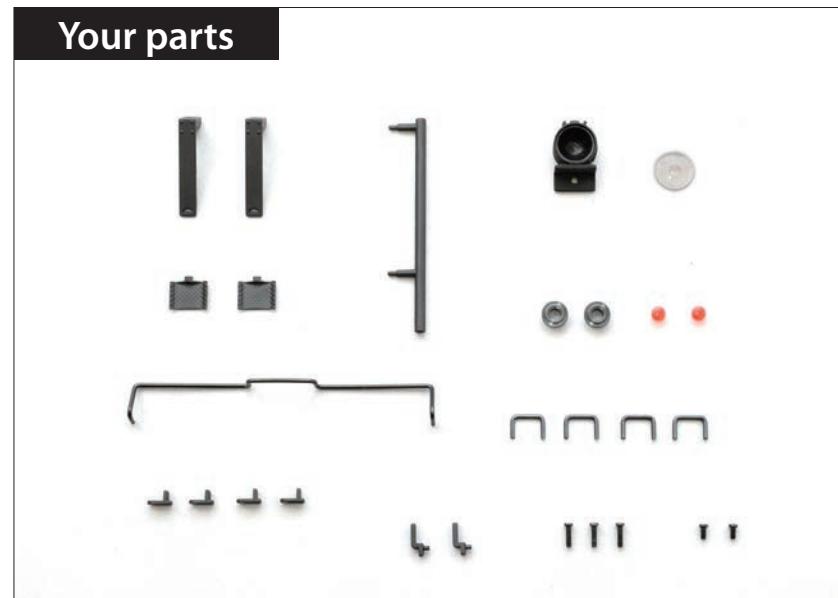
Line up Stage 75's tender running board with the holes.



Use two more 2 x 3mm screws from Stage 75 to secure the running board.

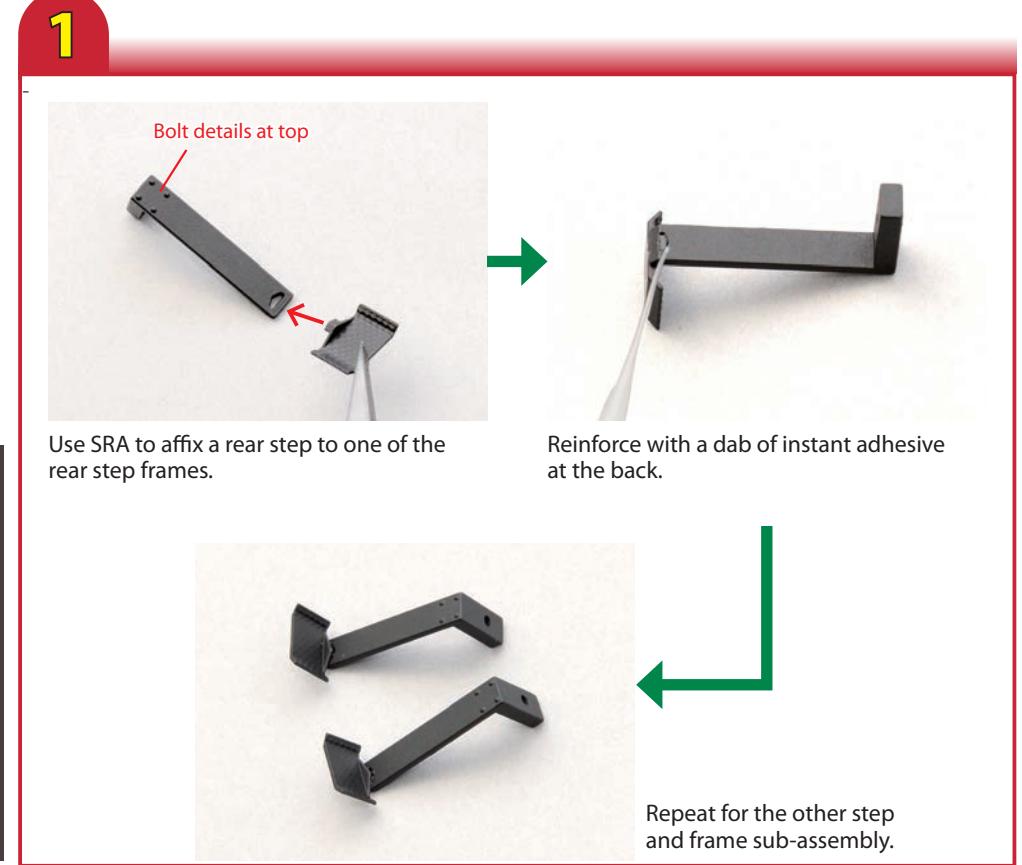
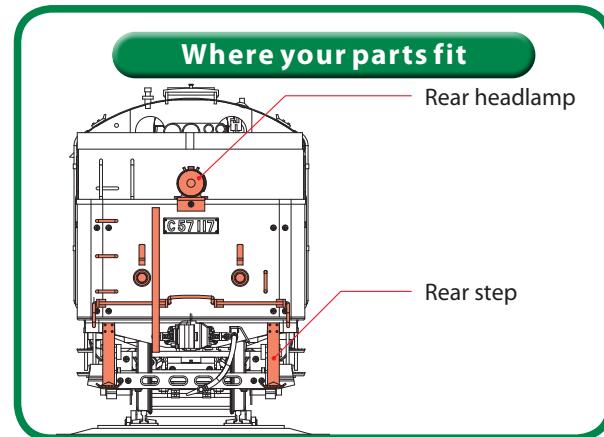
**Complete**

# Detailing the tender 2



Rear step frames x 2  
 Rear steps x 2  
 Overflow pipe  
 Release lever bar  
 Release lever brackets x 4  
 Rear headlamp housing  
 Rear headlamp lens  
 Rear marker lamp housings x 2  
 Rear marker lamp lenses x 2  
 Handles x 4  
 Lamp hooks x 2  
 Screws (2 x 7mm) x 3  
 Screws (2 x 4mm) x 2

Tools
Phillips screwdriver
Synthetic rubber adhesive (SRA)
Instant adhesive
PVA glue



## 2

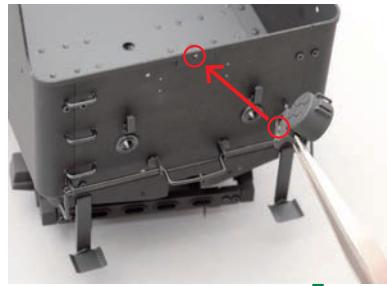


Turn the tender upside down and fit one of the rear step sub-assemblies to its bottom corner using a 2 x 7mm screw, as shown.

Repeat to fit the other rear step.



## 4

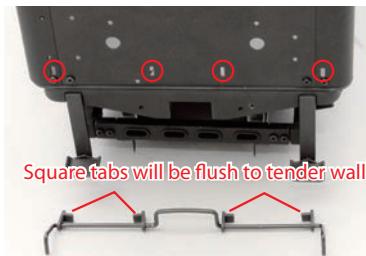


The rear headlamp housing will be secured with SRA and a screw, as shown left.

Dab SRA to the rectangular face of the rear housing's tab, then fit and use a 2 x 4mm screw to secure it.



## 3

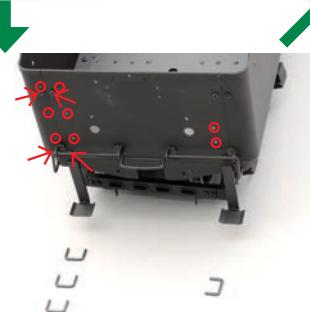


Square tabs will be flush to tender wall

Thread the four release lever brackets along the bar to the points and orientation shown, then fit to the circled holes on the rear tender wall. Use SRA to secure the brackets to the tender.



Now use SRA to fit the four handles to the pairs of circled holes. If those on the left are tight, you can loosen the arrowed screws. The handles should sit at a distance of 2mm from the rear tender wall.



The parts should look like this when fitted. Once you are done, you can go back and reinforce all the rear wall parts with a dab of instant adhesive.



## 5



The rear headlamp's lens will fit to its housing with the inlaid pattern running vertically. Use PVA glue (which dries clear) to fit this.

Use PVA glue again to fix the marker lamp lenses to their housings.

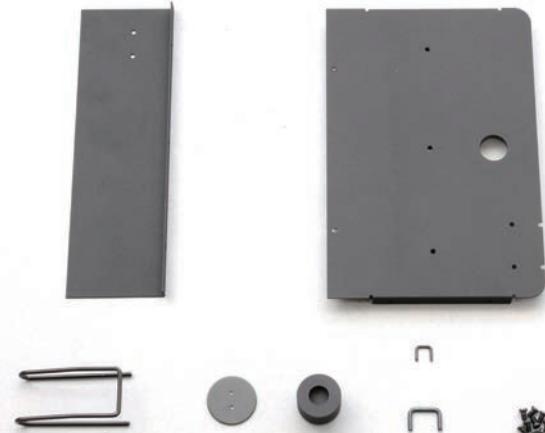


**Complete**



# Detailing the tender 3

## Your parts

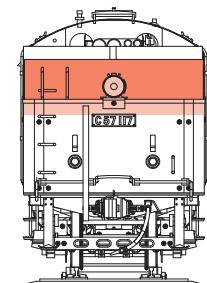
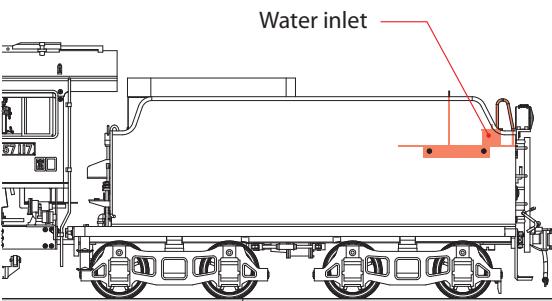


Partition wall  
 Rear upper tender plate  
 Grabrail  
 Water inlet A  
 Water inlet B  
 Handle (small)  
 Handle (large)  
 Screws (2 x 3mm) x 8

## Tools

Phillips screwdriver  
 Synthetic rubber adhesive (SRA)

## Where your parts fit



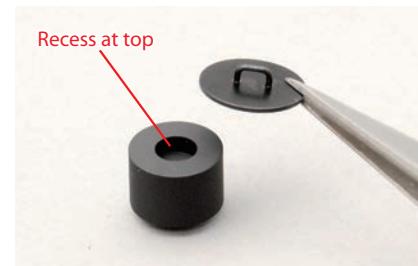
1



Use SRA to affix the smaller handle to the water inlet A.



The handle should be set at a distance of 2mm from the top face of the inlet.



Now use SRA to affix the water inlet A to inlet B, as shown.

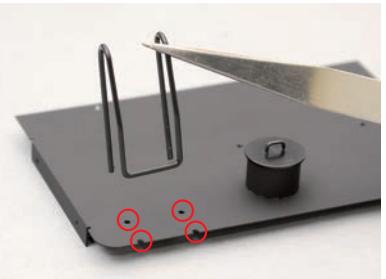


Your assembly should look like this.

**2**

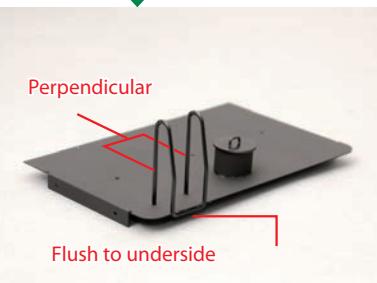
Position the rear upper tender plate on your work surface as shown, then use SRA to affix the water inlet to the circled hole.

Orient the part as shown here.

**3**

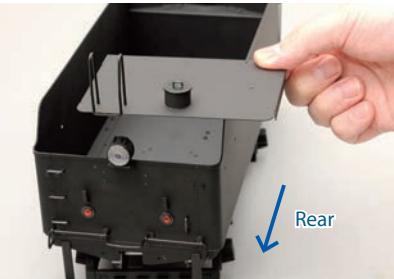
The grabrail will be attached to the plate at the points indicated.

Position the part as shown and use SRA to secure it.



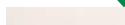
Perpendicular

Flush to underside

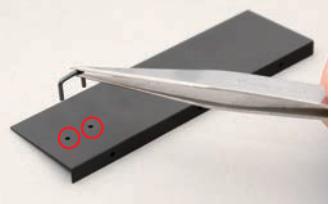
**4**

Lower the rear upper tender plate into the rear of the tender as shown.

Rear



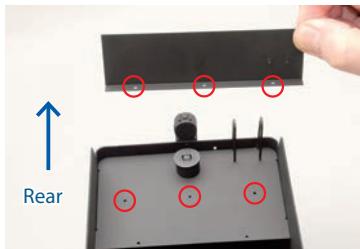
When it reaches this point, use two 2 x 3mm screws on either side to secure the parts.

**5**

Use SRA to fix the larger handle onto the circled holes on the partition wall.

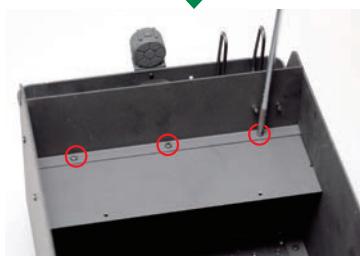


Again, the gap between the handle and wall should be 2mm.



Rear

Lower the partition wall, facing the rear, onto the rear upper plate so the circled holes align.



Use three 2 x 3mm screws to secure the part.

**Complete**