



Build the

C57

Steam
Locomotive

Pack 08



Contents

Step by step

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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 cab 3

Your parts

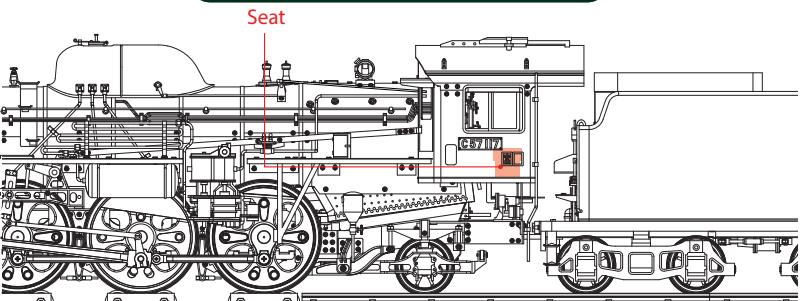


Seat pads x 2
Seat bases x 2
Brake valve
Water injector pipe
Screws (2 x 3mm) x 6

Tools

Phillips screwdriver
Synthetic rubber adhesive (SRA)

Where your parts fit



1



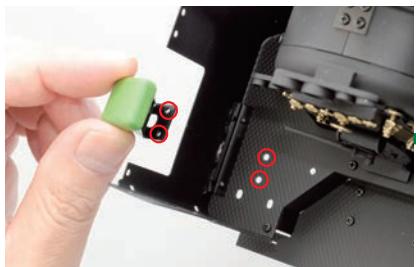
Use SRA to adhere the two seat pads to their bases.



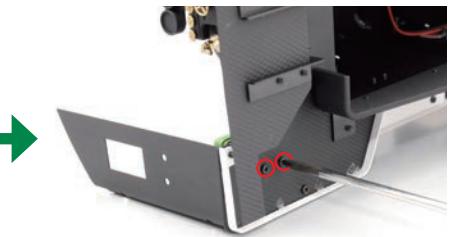
Your assemblies should look like this.



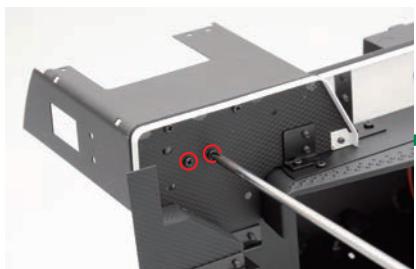
When pressing the pads to their bases, hold the base by the angled section, not the base panel, to reduce the risk of the part bending or snapping.

2

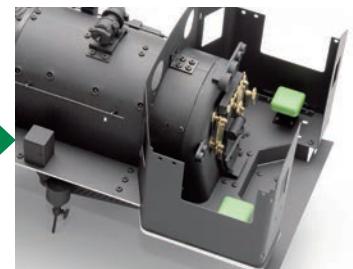
Locate the circled holes on the left side of the cab floor. Line these up to those on the seat base.



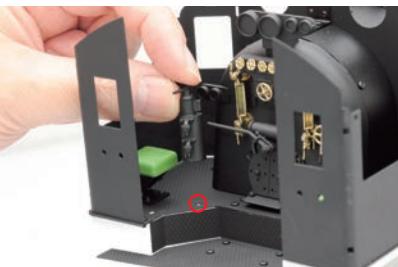
Use 2 x 3mm screws to secure the part from underneath the floor.



Repeat for the right side of the cab.



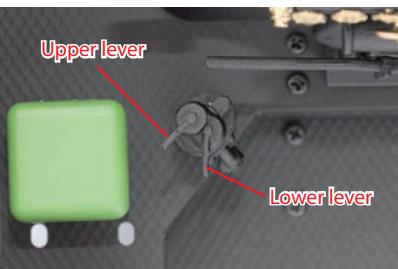
The seats should look like this.

3

Now take the brake valve and locate the circled hole on the cab floor.



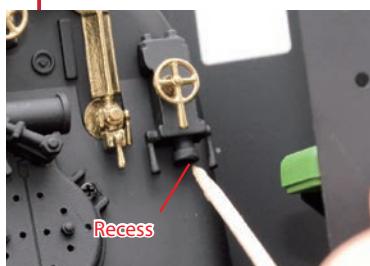
Place the valve over the hole and secure it with a 2 x 3mm screw from the underside.



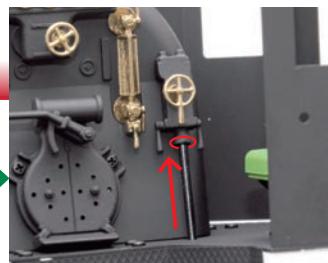
Adjust the valve so the two levers on its top are positioned like this.



Your assembly should look like this.

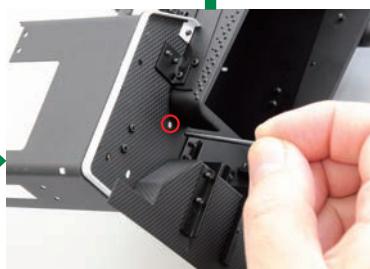
4

Apply a small amount of SRA to the recess in the underside of the water injector's base.



Fit the protruding tip of the pipe into the previously glued recess.

Now insert the water injector pipe through the indicated hole.

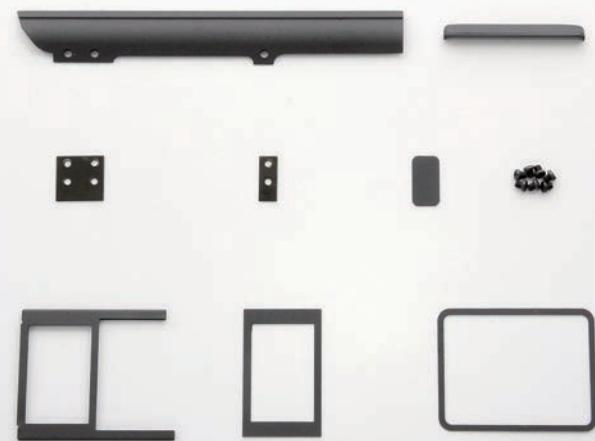


Dab the join between the pipe and the underside of the cab floor with SRA to secure the parts.

Complete

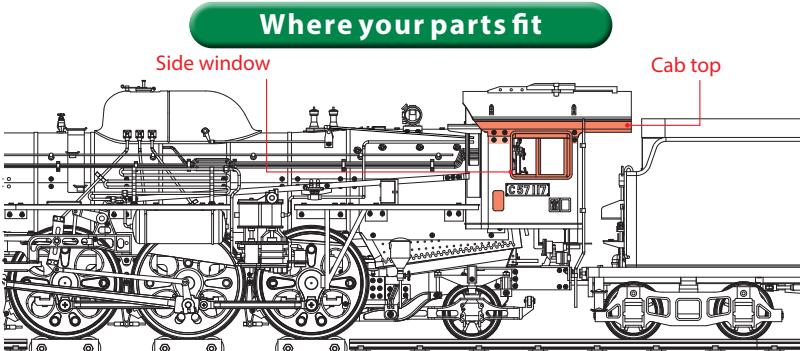
The cab 4

Your parts

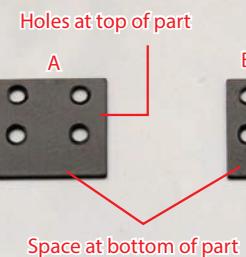


Cab top (left)
Joint A
Joint B
Side window eave
Vent
Side window A (left)
Side window B
Side window frame
Screws (2 x 2mm) x 7

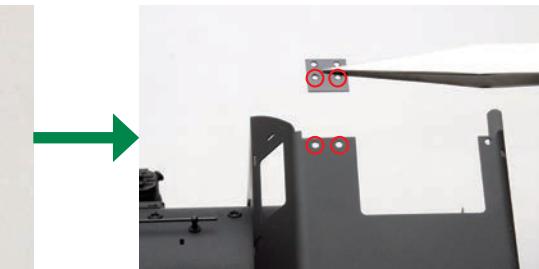
Tools
Phillips screwdriver
Synthetic rubber adhesive (SRA)



1



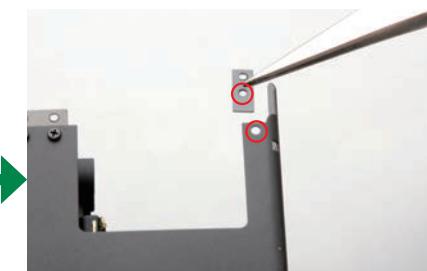
Take joints A and B and orient them as shown.



Take joint A and line its lower holes up to those on the cab's left side. The part will sit on the inside edge.



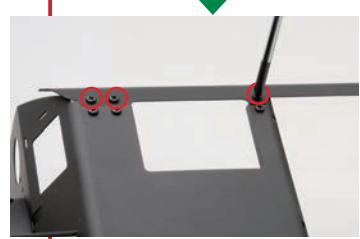
Secure it with two 2 x 2mm screws from the outside. Only lightly tighten the screws.



Repeat to attach joint B to the circled hole on the cab.

2

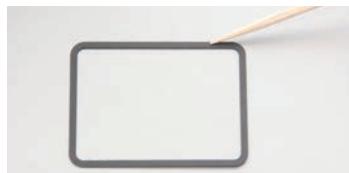
Line up the cab top so the circled holes all align.



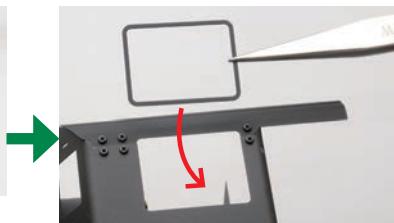
Secure with three more 2 x 2mm screws.



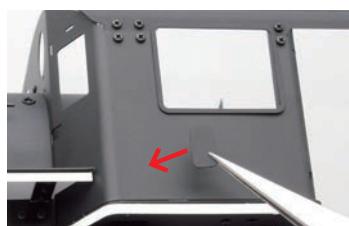
Once the top is aligned with the cab side, go back and fully fasten all the screws.

3

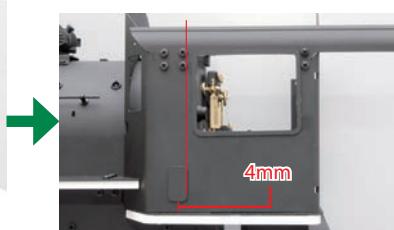
Carefully line the face of the side window frame with SRA.



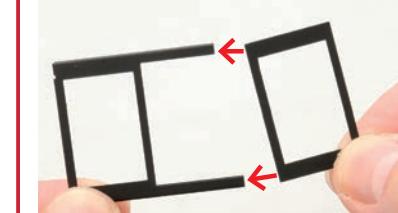
Fit the frame to the window from the outside.



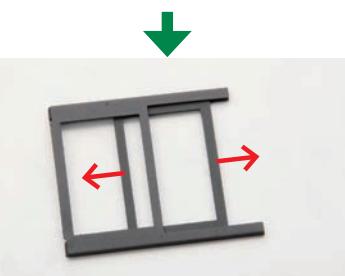
Now use SRA to fix the vent to the cab side, orienting the part using the photo, right.



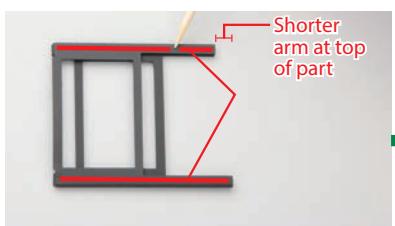
Use this photo to position the part correctly.

4**4**

Slide side window B into side window A (above left).



Slide window B back and forth a few times to ensure it is set correctly. (Note: be careful no adhesive gets in between these parts during the later stages of the assembly).

5

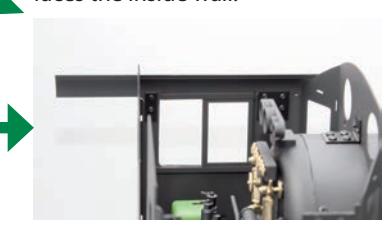
Place the window assembly face down and line the marked areas with SRA.



Lower the part into the inside of the cab, so the side with SRA on it faces the inside wall.



Place the part as shown, noting the spacing shown by the arrows.



Your assembly should look like this. Make sure no adhesive touches the moving window parts.

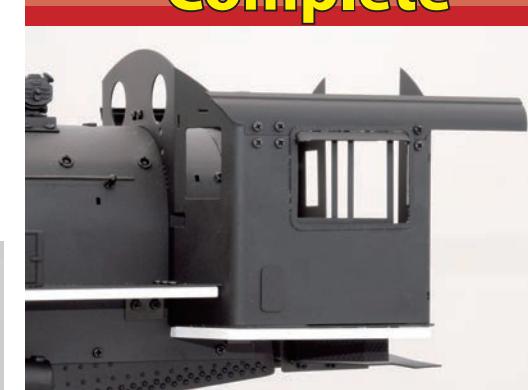
6

Recess on side facing window frame

Apply SRA along the inside of the top edge of the side window eave.



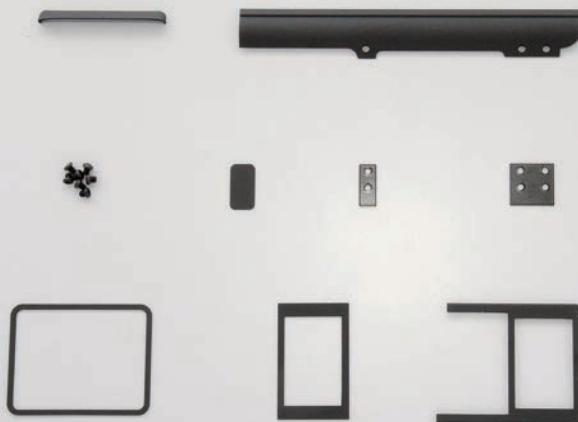
Place the eave into position on the window frame.



Complete

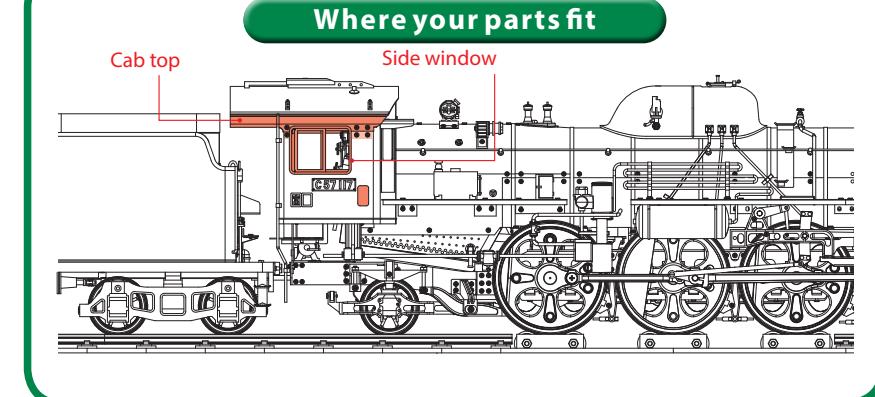
The cab 5

Your parts

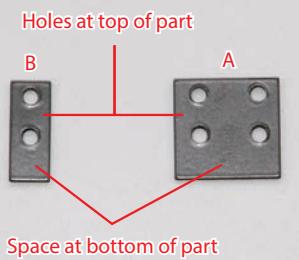


Cab top (right)
 Joint B
 Joint A
 Side window eave
 Vent
 Side window A (right)
 Side window B
 Side window frame
 Screws (2 x 2mm) x 7

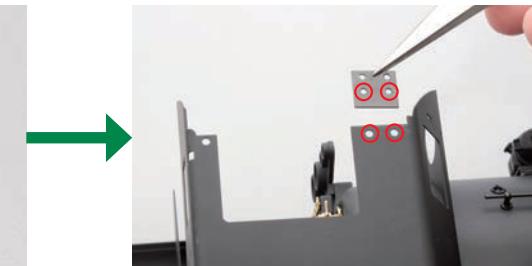
Tools
 Phillips screwdriver
 Synthetic rubber adhesive (SRA)

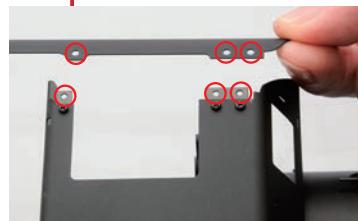


1



Take joints A and B and orient them as shown.



2

Line up the cab top so the circled holes all align.



Secure with three more 2 x 2mm screws.



Once the top is aligned with the cab side, go back and fully fasten all the screws.

3

Carefully line the face of the side window frame with SRA.



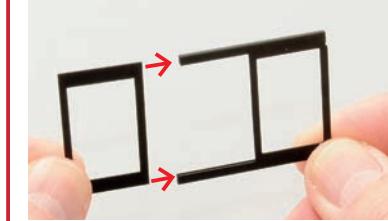
Fit the frame to the window from the outside.



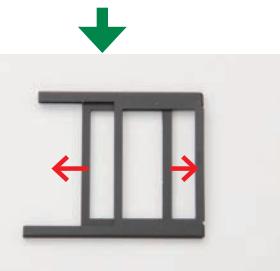
Now use SRA to fix the vent to the cab side, orienting the part using the photo, right.



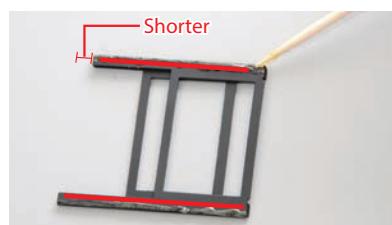
Use this photo to position the part correctly.

4**4**

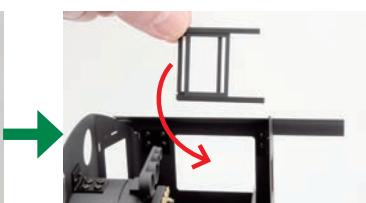
Slide side window B into side window A (right).



Slide window B back and forth a few times to ensure it is set correctly. (Note: be careful no adhesive gets in between these parts during the later stages of the assembly).

5

Place the window assembly face down and line the marked areas with SRA.



Lower the part into the inside of the cab, so the side with SRA on it faces the inside wall.



Place the part as shown, noting the spacing shown by the arrows.



Your assembly should look like this. Make sure no adhesive touches the moving window parts.

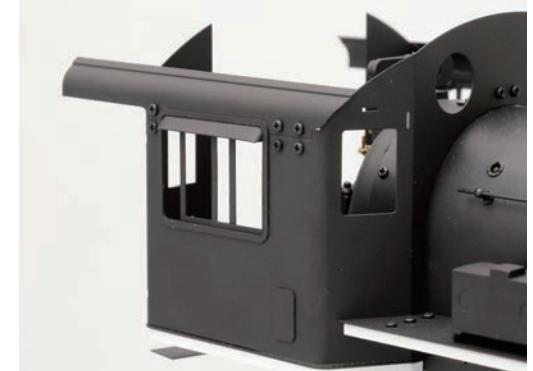
6

Apply SRA along the inside of the top edge of the side window eave.



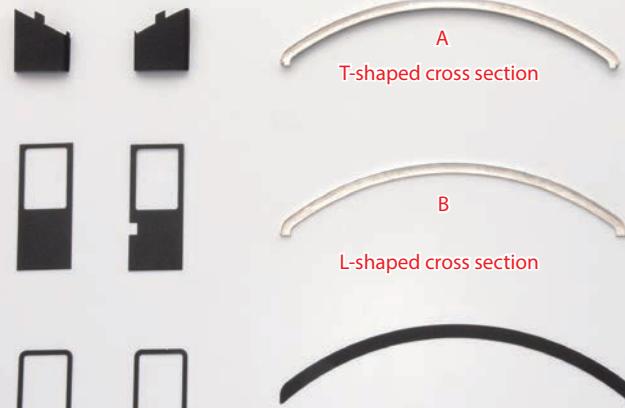
SRA on inside edge

Place the eave into position on the window frame.

Complete

The cab 6

Your parts

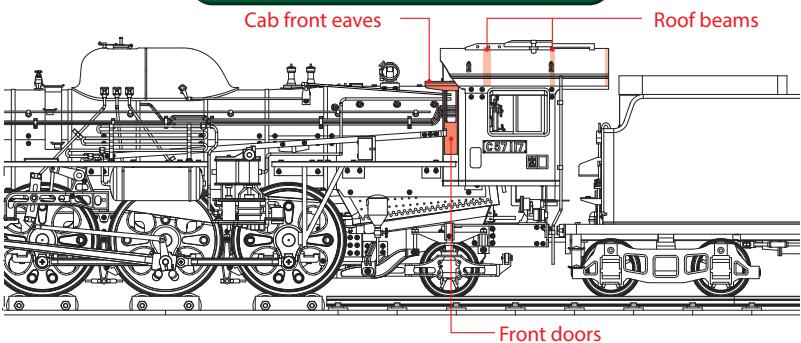


Front window eave A
 Front window eave B
 Cab front door A
 Cab front door B
 Rear window frames x 2
 Cab roof beam A
 Cab roof beam B
 Cab roof rear

Tools

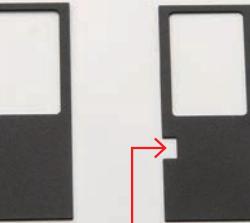
Synthetic rubber adhesive (SRA)

Where your parts fit

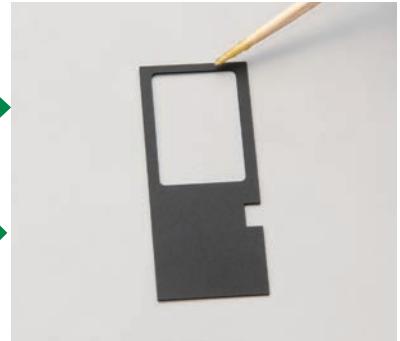


1

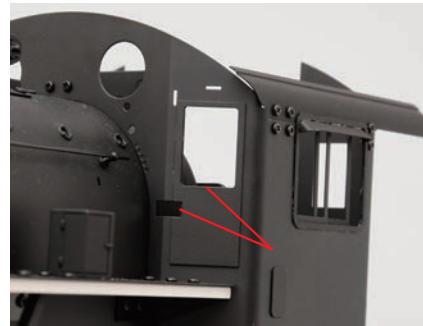
Familiarise yourself with the cab's front doors – the one that will be fitted to the left side of the cab has a recess in it; the right-side door does not.



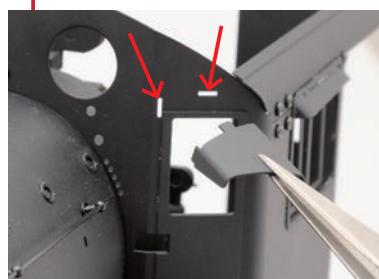
Recess only on left door



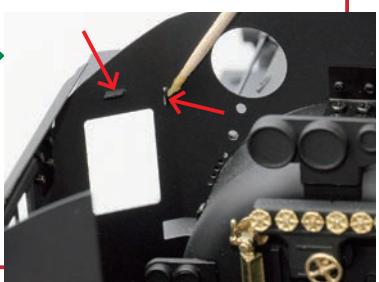
Apply SRA to the reverse edges of the left door (the recess will be on the right when laid out face down, as above).



Line up the door so its recess matches the one on the cab front, then press it into position.

2

Now take front window eave A and fit it as shown into the two slots above the left front door.



Dab SRA onto the tabs protruding into the inside of the cab to secure the part.

3

Next, apply SRA to the face of one of the rear window frames and press it to the rear left cab window.



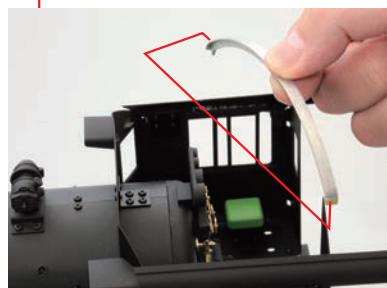
Make sure that the frame is positioned as shown.

4

Repeat the work of Step 2 to fit front window eave B.



Repeat the work of Step 3 for the rear right window frame.

5

Take roof beam A (T-shaped cross section) and dab only its outward-facing tips with SRA.



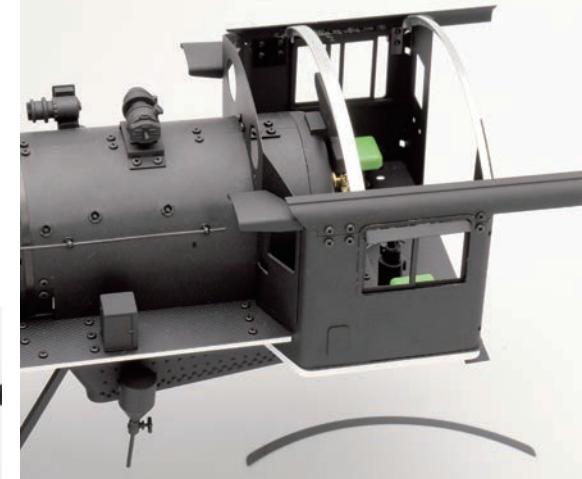
Now apply SRA to the sections of roof beam A that will line the rearmost wall of the cab (see photo below).



Position it using the photo to the right, then press into place.



Your roof beams should look like this. Note: the arrows point to gaps between the beams and cab top, which should be left accessible – if any adhesive has spilt into these, clean it away immediately.

Complete

The cab 7

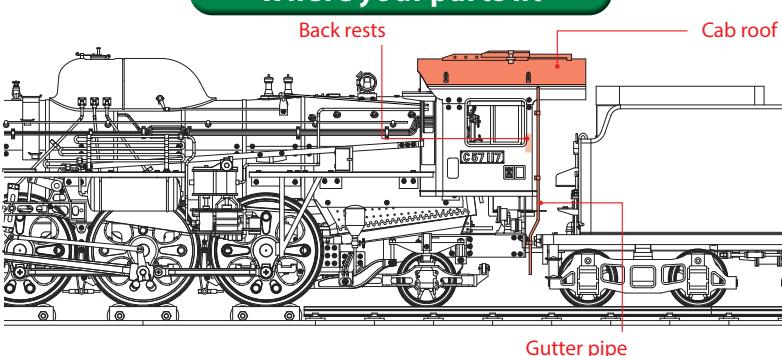
Your parts



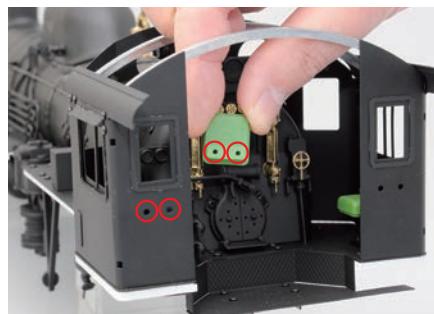
Cab roof
Skylight
Seat back rests x 2
Gutter pipe (left)
Gutter pipe (right)
Gutter pipe clips x 4
Gutter bracket (left)
Gutter bracket (right)
Screws (2 x 3mm) x 5

Tools

Phillips screwdriver
Synthetic rubber adhesive (SRA)
Masking tape



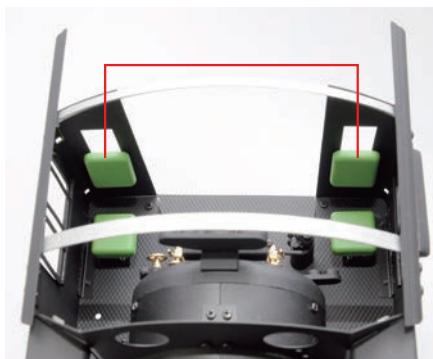
1



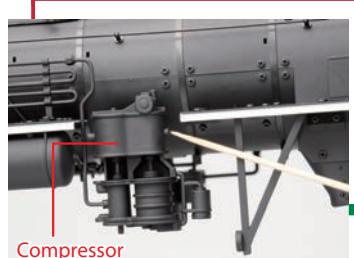
Line up the holes on the reverse of one of the back rests to those on the rear cab wall.



Secure with two 2 x 3mm screws.

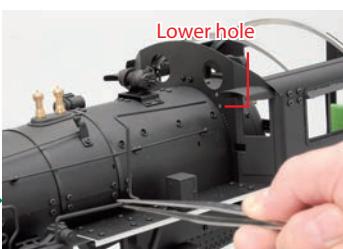


Repeat for the other back rest.

2

Now fit the other tip into the hole in the compressor.

Dab a little SRA into the hole in the end of the previously fitted compressor.



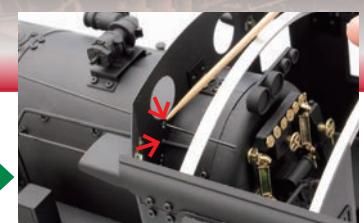
Now take the air cooling tube from Stage 49 and fit its tip (orienting the part using the photo) into the indicated hole in the cab front wall.



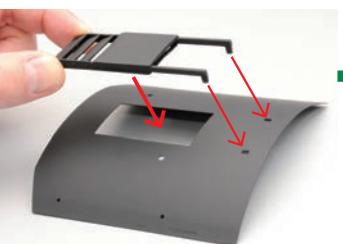
Now take the pressure regulator from Stage 49 and secure it to the tube, using SRA.

Lower hole**3**

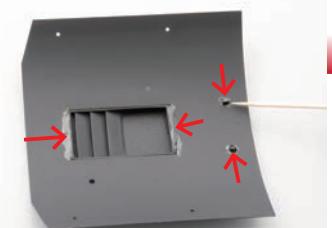
Take the control valve rod from Stage 36 and fit one tip into the indicated hole in the cab, and the other in the control valve lever, using SRA to fix it into this.



On the inside of the cab, dab the entry points of the tube fitted in Step 2 and the rod of this stage with SRA.

4

Mount the skylight to the cab roof as shown.



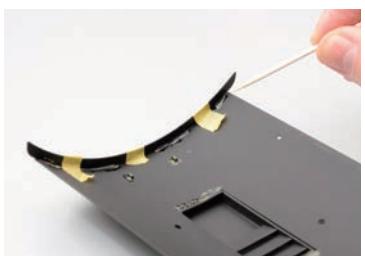
On the reverse, dab the joins with SRA.

5

Lower the cab roof onto the cab. Its sides should fit beneath the lips of the left and right cab top sides.



Make sure rear join is flush



Remove the roof again, and use SRA to fix the roof rear in position.



Use masking tape to hold the cab roof rear from Stage 59 to the assembly.

Remove the tape once dry, and dab additional SRA where the strips were.

Complete

The cab 8

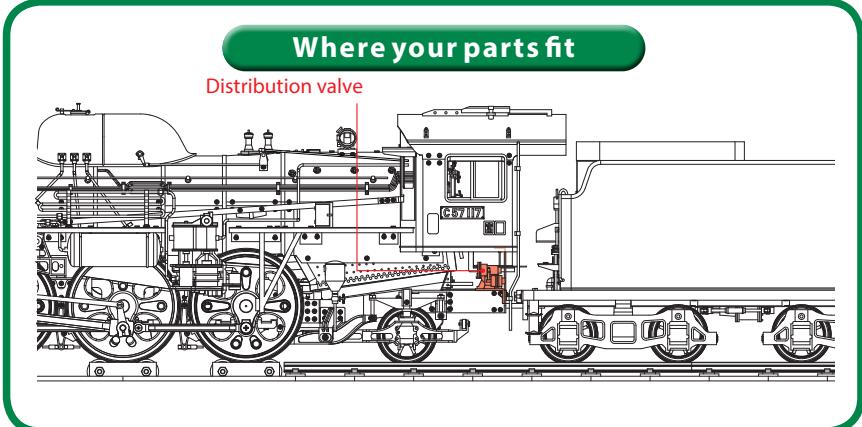
Your parts



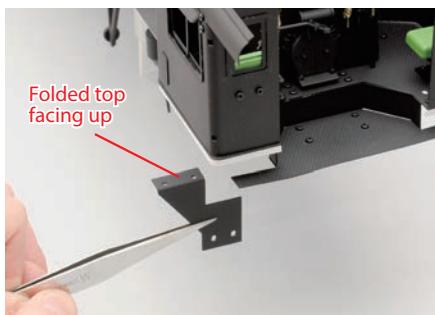
Cab end beam (left)
Cab end beam (right)
Distribution valve
Screws (2 x 4mm) x 5
Screws (2 x 3mm) x 9
Nuts (M2) x 2

Tools

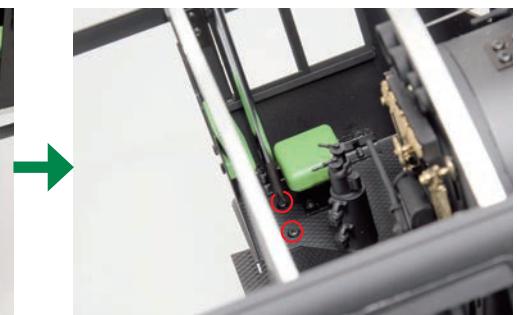
Phillips screwdriver
Pliers
Synthetic rubber adhesive (SRA)



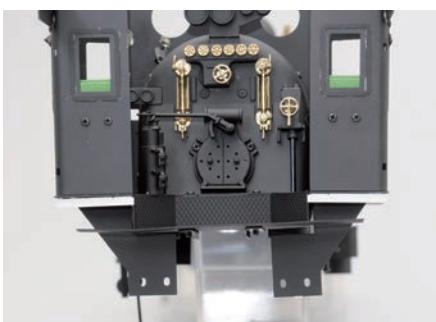
1



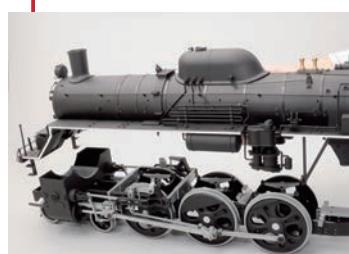
Position the cab end beam (left) to the cab bottom.



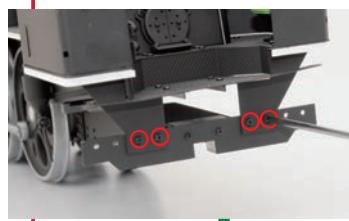
Use two of the shorter 2 x 3mm screws to secure it. Only tighten lightly at this stage.



Repeat for the right end beam.

2

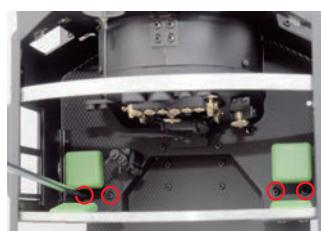
Lower the body onto the underframe and wheel assembly.



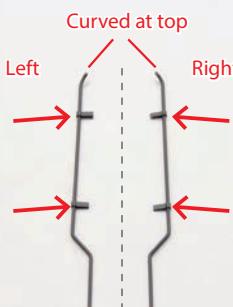
Join from the front, making sure the join between the parts is flush at the points shown.



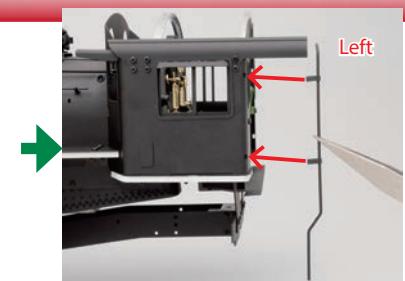
Lower the back into place, and secure it using four 2 x 3mm screws at the points shown.



Now go back and fully tighten the cab end beams fitted in Step 1.

3

Differentiate between the left and right gutter pipes (Stage 60) using the photo to the left. Then fit the pipe clips (also Stage 60) to the points shown (arrows).



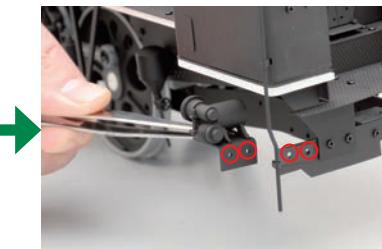
Use the clips to fix the left pipe to the rear left of the cab, using the arrowed holes.



Your assembly should look like this.

Complete**4**

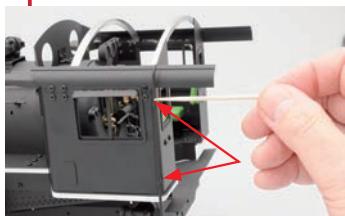
Now fit the left gutter pipe bracket onto the bottom of the left gutter pipe, oriented as shown.



Line up the bracket to the rear end beam from one side, and the distribution valve from the other, as shown.



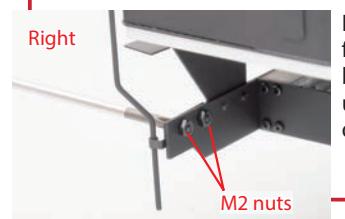
Use 2 x 4mm screws to secure all the parts.

5

Dab a little SRA to the gutter pipe clips.



And do the same from the inside of the cab.



Now repeat the work of Steps 3-4 to fit the right gutter pipe, its clips and bracket to your assembly – this time using the two M2 nuts in place of the distribution valve.



(For future use, the screws/screw holes shown above will be used to attach or detach the body and underframe.)

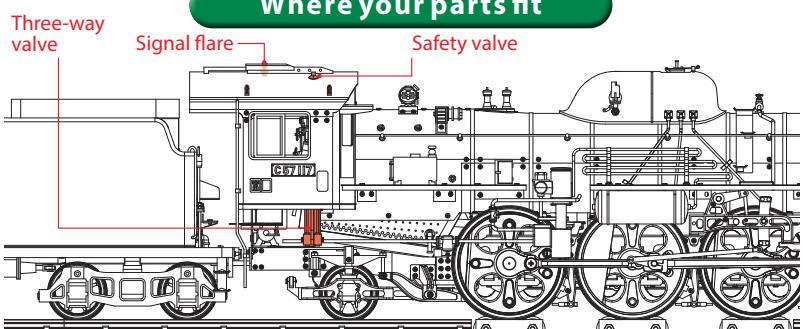
The cab 9

Your parts

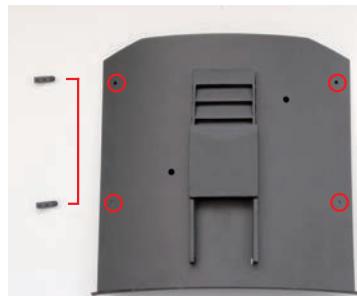


Roof brackets x 4
Signal flare
Safety valve
Three-way valve A
Three-way valve B
Three-way valve C
Screws (2 x 3mm) x 2

Tools
Phillips screwdriver
Synthetic rubber adhesive (SRA)



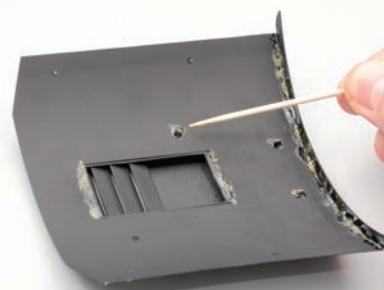
1



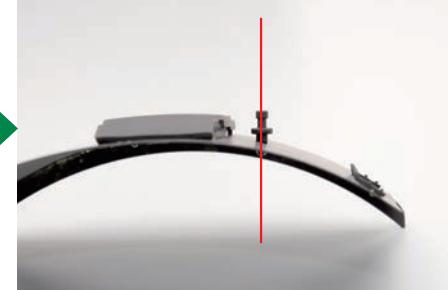
Locate the four circled holes on the cab roof, and match them to the roof brackets as shown above. Secure them with SRA.



Now place the signal flare into the circled hole.



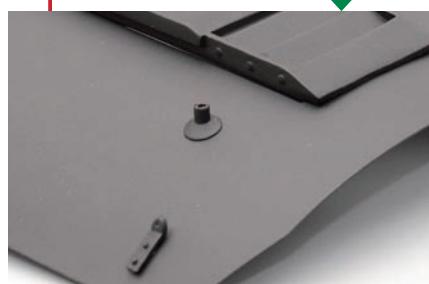
Apply SRA to the underside of the part to secure it.



Make sure the part is vertically set as it cures.

2

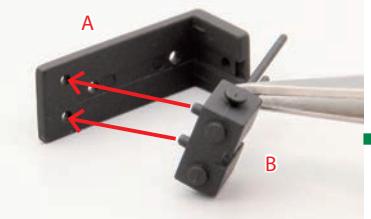
Now use SRA to fix the safety valve to the marked hole.



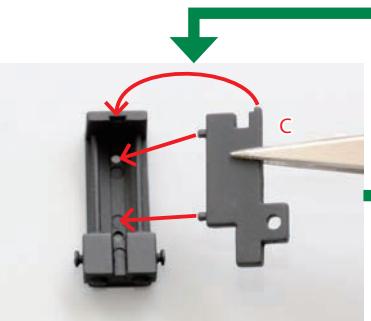
The valve should fit like this.

3

To assemble the three-way valve, fit part B to part A as shown. Use SRA to fix them.



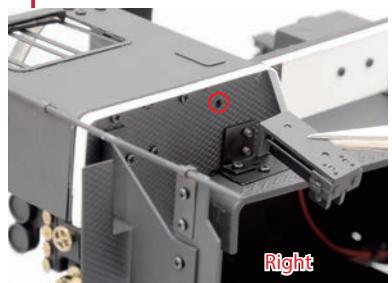
It should look like this.



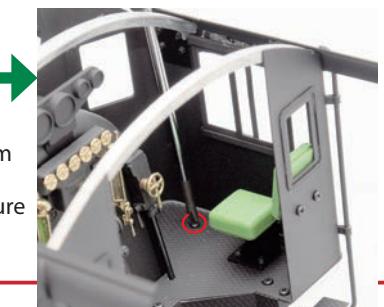
Now add part C, as shown. Use SRA to secure it.



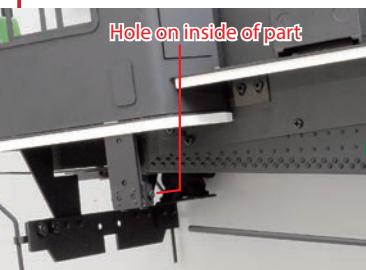
Your three-way valve should look like this.

**4**

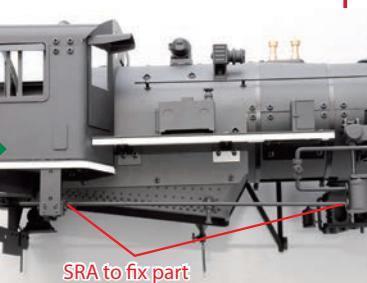
The three-way valve will slot into the underside of the cab, via the circled hole.



Use a 2 x 3mm screw from above to secure the part.

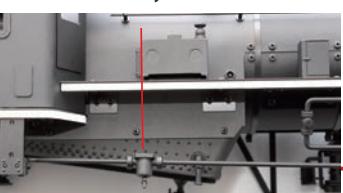
5

Hole on inside of part



SRA to fix part

Now take the air cooling tube from Stage 51 and fit one tip into the hole on the inside edge of the three-way valve.



Fit its other tip into the indicated point of the water supply pump.

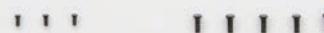
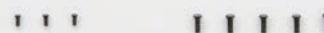
Now use SRA to fix the pressure regulator to the middle of the tube, oriented as shown.

Complete



The deflectors 1

Your parts



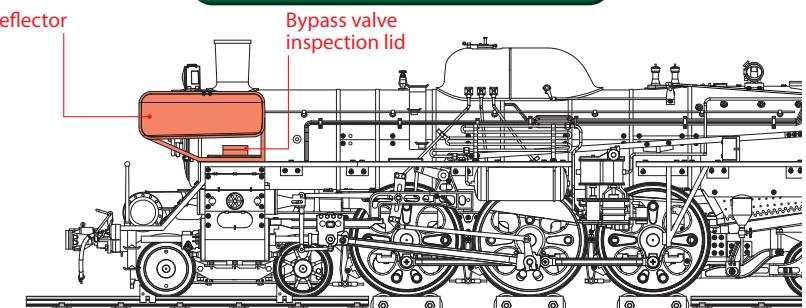
Deflector (left)
Deflector stay (left)
Deflector frame (left)
Bypass valve inspection lid
Plate
Screws (1.4 x 3mm) x 3
Screws (2 x 5mm) x 5

Tools

Phillips screwdriver
Synthetic rubber adhesive (SRA)
Precision Phillips screwdriver

Deflector

Where your parts fit



1



Find the slit in the smoke chamber and test-fit the deflector stay into this, as shown.



Remove the stay and line it up to the reverse of the deflector.



Use two 1.4 x 3mm screws to join the parts.

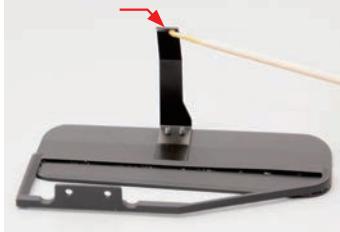
2

Take the deflector frame and apply SRA to the sections of its arms highlighted.



Turn the deflector over and fix the frame to it, using the photo as a guide for placement.

Your assembly should look like this.

3

Dab SRA onto the tip of the stay test-fitted in Step 1.



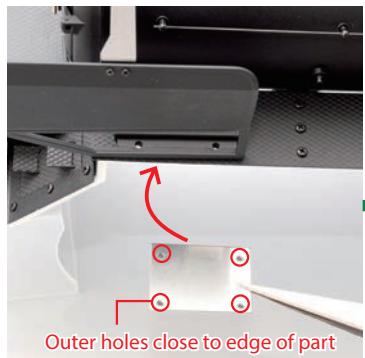
Fit the stay into the slit, and position the deflector frame so its locating tab meets the running board.



Now place the bypass valve inspection lid so it sandwiches the frame and running board.



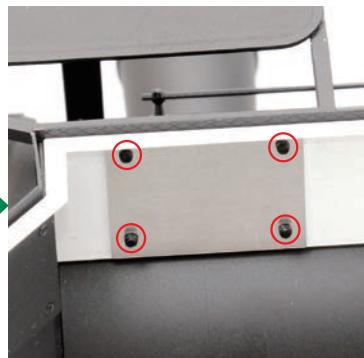
The holes on the lid should line up with those on the running board beneath it.

4

Outer holes close to edge of part



With all the parts in position, use 2 x 5mm screws to secure them.



Your assembly should look like this.

Complete

The deflectors 2

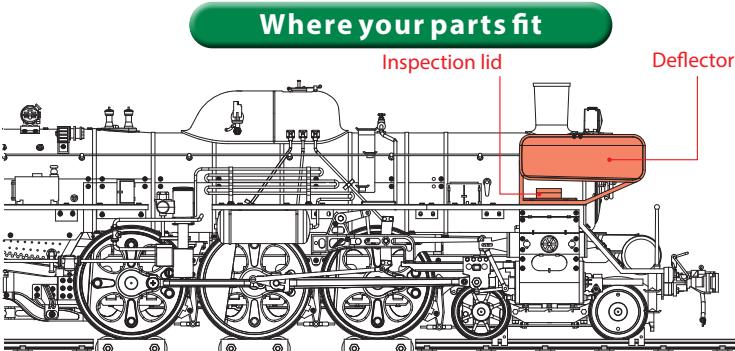
Your parts



Deflector (right)
Deflector stay (right)
Deflector frame (right)
Bypass valve inspection lid
Plate
Screws (1.4 x 3mm) x 3
Screws (2 x 5mm) x 5

Tools

Phillips screwdriver
Synthetic rubber adhesive (SRA)
Precision Phillips screwdriver



1



As you did for the left deflector, test-fit the stay into the indicated slit.



Now match the stay to the deflector.



Secure with 1.4 x 3mm screws.

2

Take the deflector frame and apply SRA to the sections of its arms highlighted.



Match to the reverse of the deflector and allow the adhesive to cure.



Your assembly should look like this.

3

Dab a little SRA on the tip of the stay.



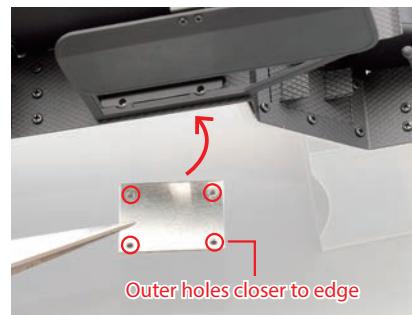
Reinsert the stay into the slit used in Step 1. Place the tab at the base of the frame onto the running board.



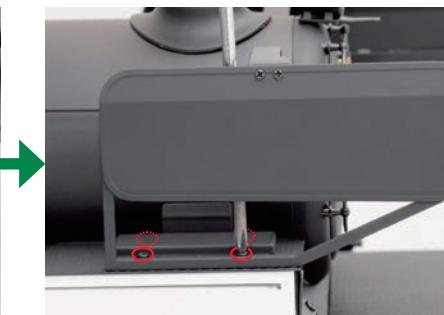
Lower the bypass valve inspection lid onto the running board so it covers the deflector frame's tab.



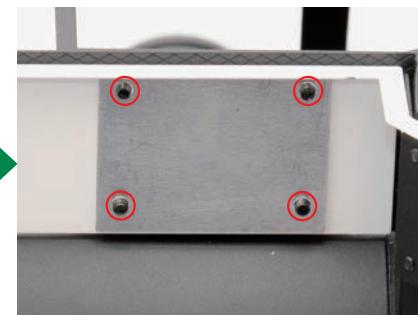
The circled holes should align.

4

Take the plate and position it on the underside of the running board, so its holes line up with those of the inspection lid above.



Secure the part with 2 x 5mm screws.



Your assembly should look like this.

Complete

