
Build the
C57
Steam
Locomotive
Pack 06
C57117
DeAGOSTINI
MODELSPACE™

Build the C57 Steam Locomotive

DeAGOSTINI MODELSPACE™
www.model-space.com

Contents

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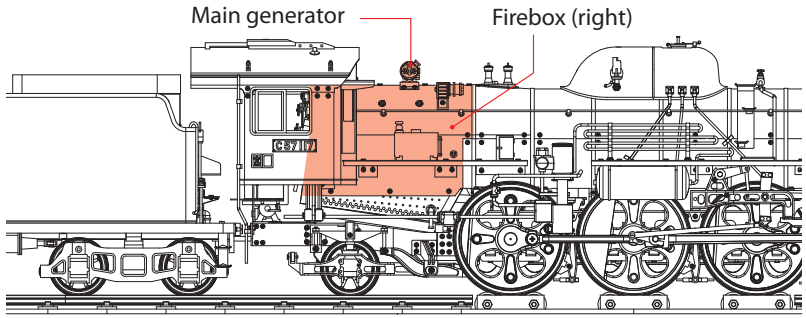
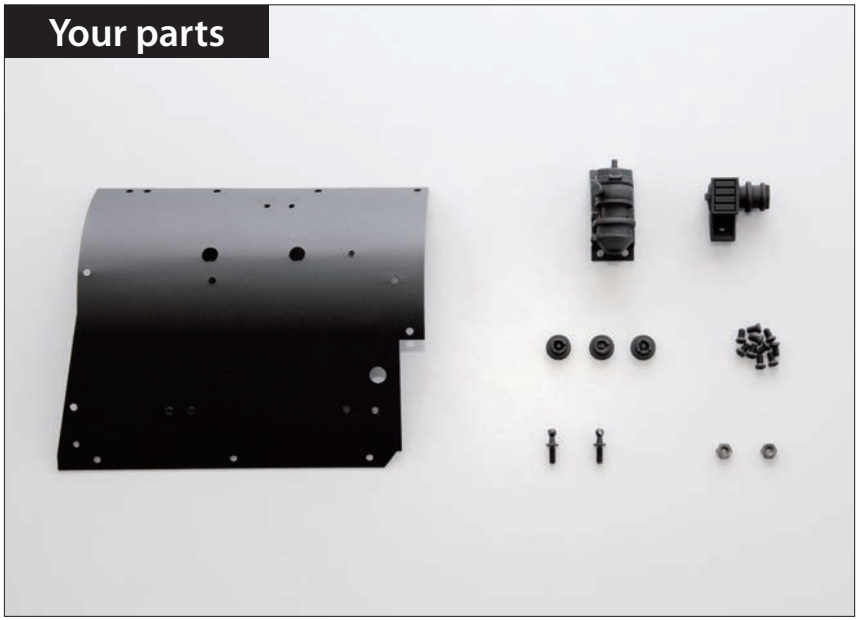
The firebox 2

Where your parts fit



Your parts

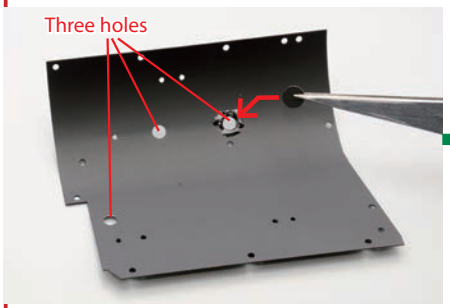


Right firebox half
Generator
ATS system
Fusible plugs × 3
Handrail brackets × 2
Screws (2 × 3 mm) × 10
Nuts (M2) × 2

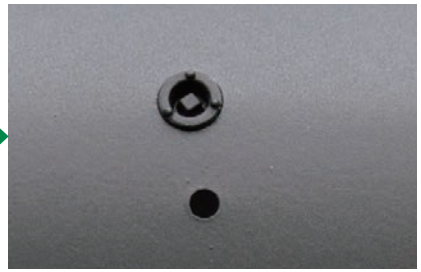
Tools

Phillips screwdriver
Synthetic rubber adhesive
Instant adhesive

1

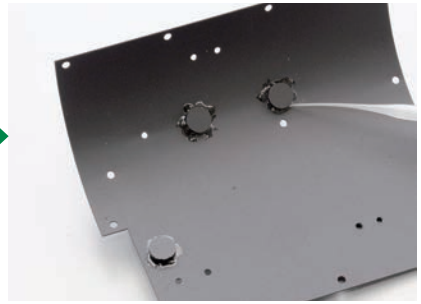


Apply synthetic rubber adhesive around the three holes on the inside of the right firebox half.



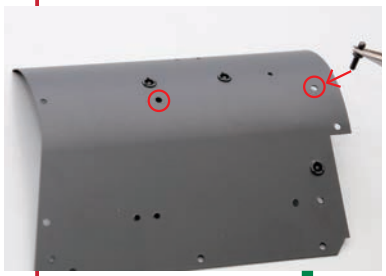
Place the first plug into the hole, positioned as shown.

Fit the remaining two plugs in the same way as the first.



Reinforce the joins with instant adhesive.

2



The two circled holes in the firebox half are the locations for the handrail brackets. Insert the first bracket into the hole as indicated.

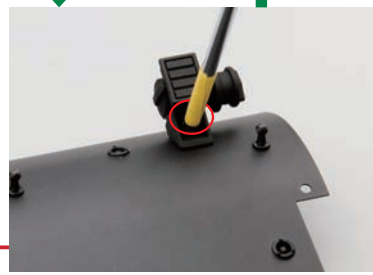
Apply a drop of synthetic rubber adhesive to the end of the bracket and then tighten a nut onto it.

Fit the second handrail bracket in the same way. Before the glue dries, make sure the holes of the brackets are aligned.

3

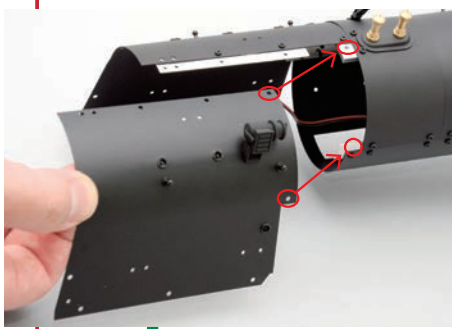
Apply a small amount of a synthetic rubber adhesive to the bottom of the ATS system. Align the hole in the ATS with the hole in the firebox half.

Tighten a 2 × 3mm screw into the aligned holes.



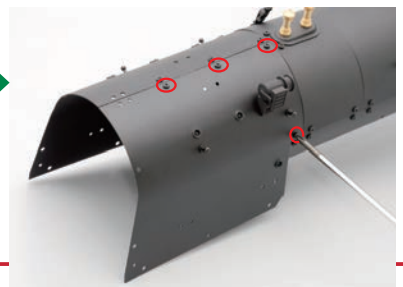
Leave the firebox half to one side until the adhesive dries.

4

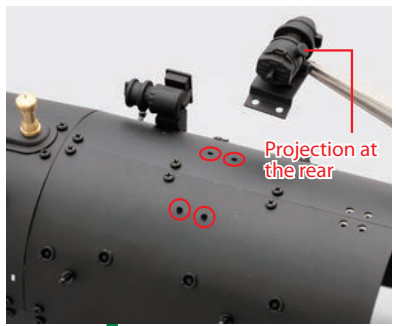


Align the circled holes of the firebox half with those of the boiler joint and safety valve base.

Tighten a 2 × 3mm screw into the four circled holes.



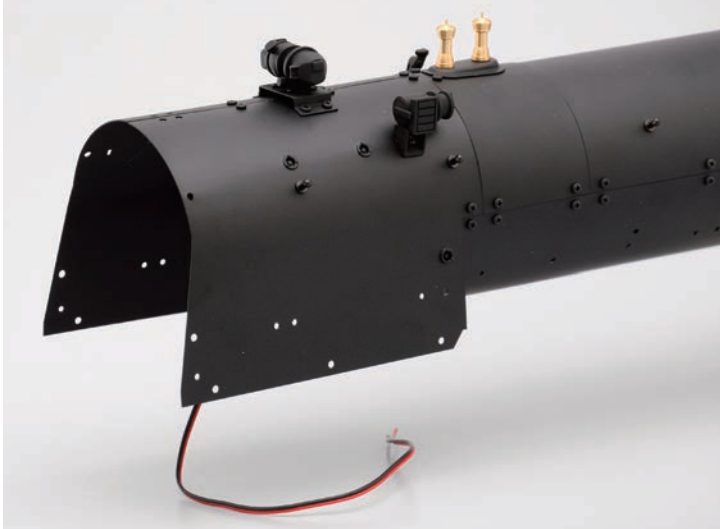
5



Align the holes in the generator with those in the top of the firebox.

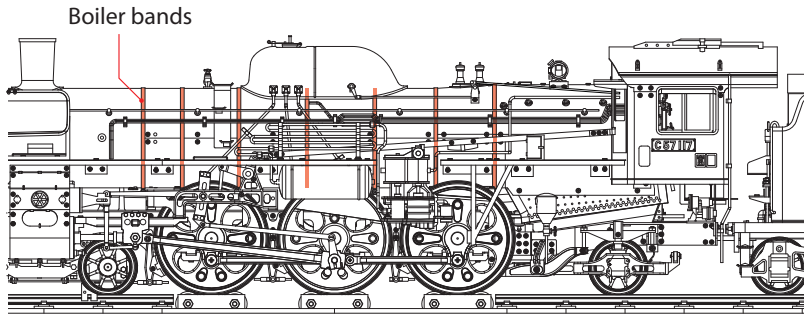
Tighten a 2 × 3mm screw into the four circled holes.

Complete

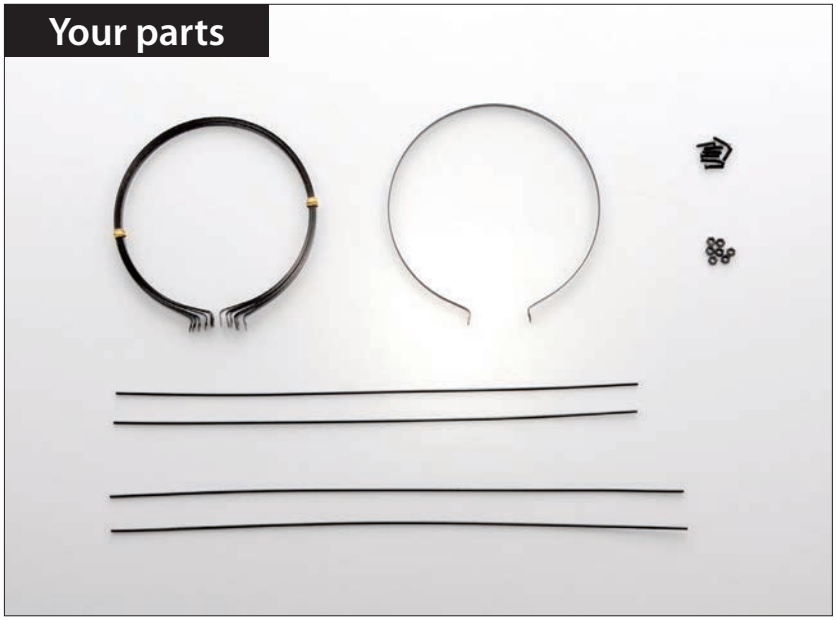


The boiler band

Where your parts fit



Your parts

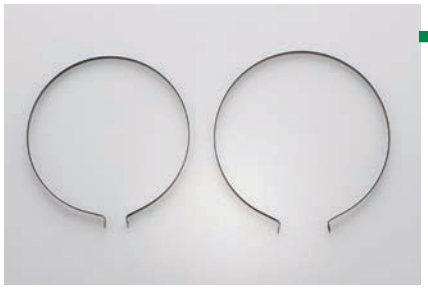


Boiler bands A x 6
Boiler band B
Screws (1.4 x 6mm) x 8
Nuts (M1.4) x 7
Handrails A x 2
Handrails B x 2

Tools

Phillips screwdriver
Longnose pliers
Masking tape

1

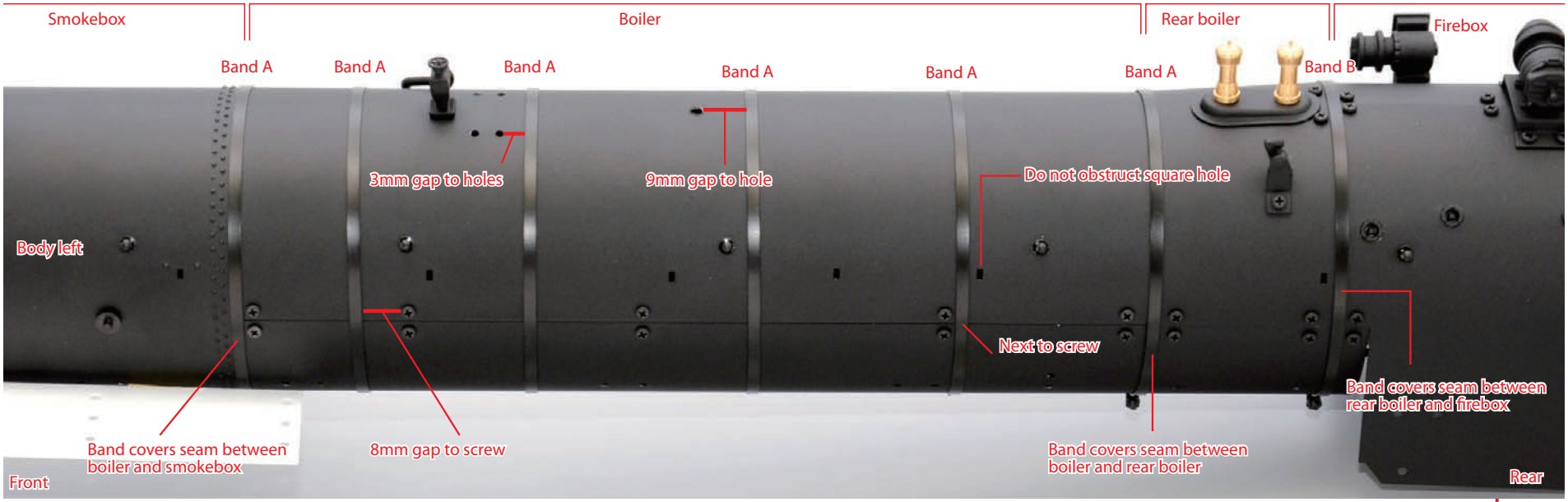


Note the difference in size between the six boiler bands A and the single band B. The bands A are slightly smaller.

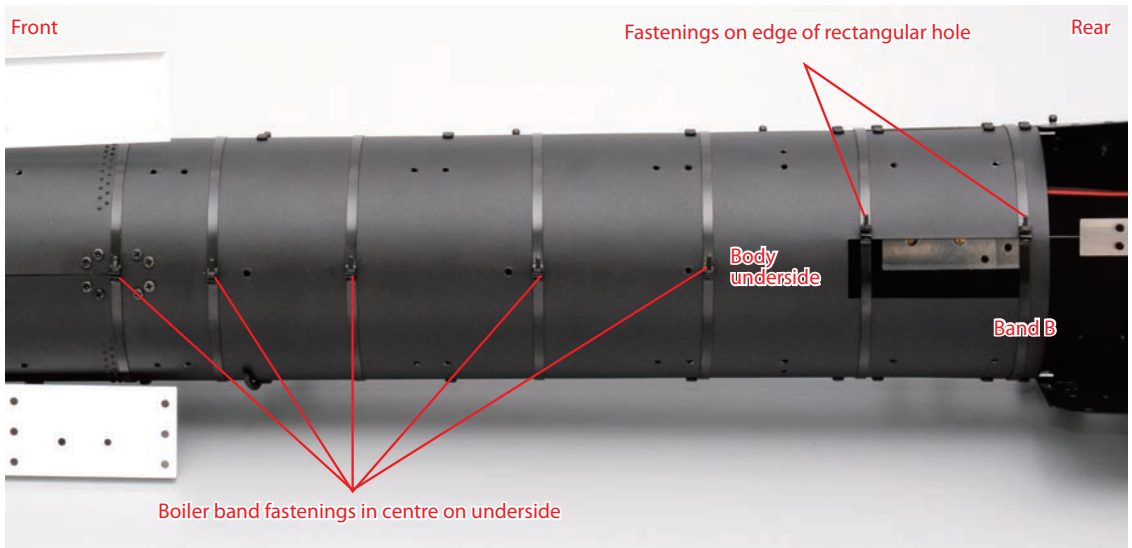
To fit the bands, simply widen them and place them over the boiler. The positions of each are shown on the next page.

To secure the bands, hold in place with masking tape and fasten with a 1.4 x 6mm screw and a M1.4 nut, which you can hold in place with pliers.

2



The positions of the boiler bands A and B. The above is a guide, and the parts can be adjusted later if necessary.

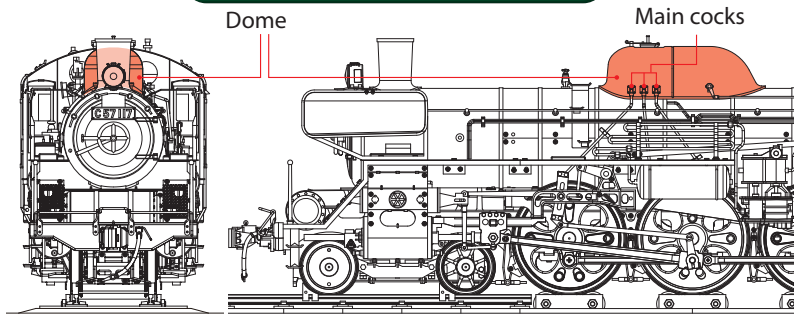


The screw/nut fastenings should be positioned centrally, on the underside, apart from the two at the rear, which need to be fastened to the sides of the rectangular hole.

Complete

Sand spreader pipe main cocks

Where your parts fit



Your parts

Dome
Sand spreader pipe main cocks x 6

Tools

Synthetic rubber adhesive (SRA)
Instant adhesive

1

Test-fit the six sand spreader pipe main cocks into the holes indicated (there are three more on the other side).

2

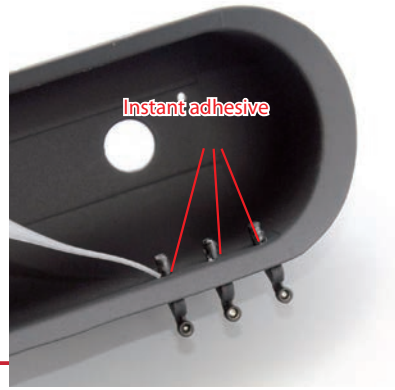
Remove the first cock and apply a little synthetic rubber adhesive to it, as shown.

Dab any excess glue away with a toothpick and leave to cure.

Refit the cock into its hole.

3

Glue the first three cocks in place and ensure they are straight.



Reinforce the hold with a little instant adhesive on the inside of the assembly.

4

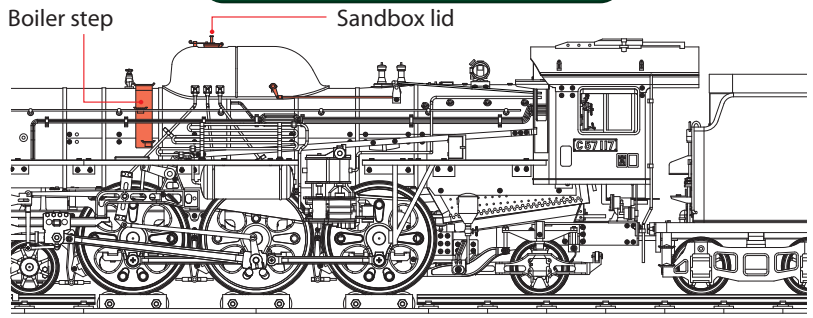
Repeat for the three cocks on the other side of the dome.

Ensure these are straight and leave all six to dry.

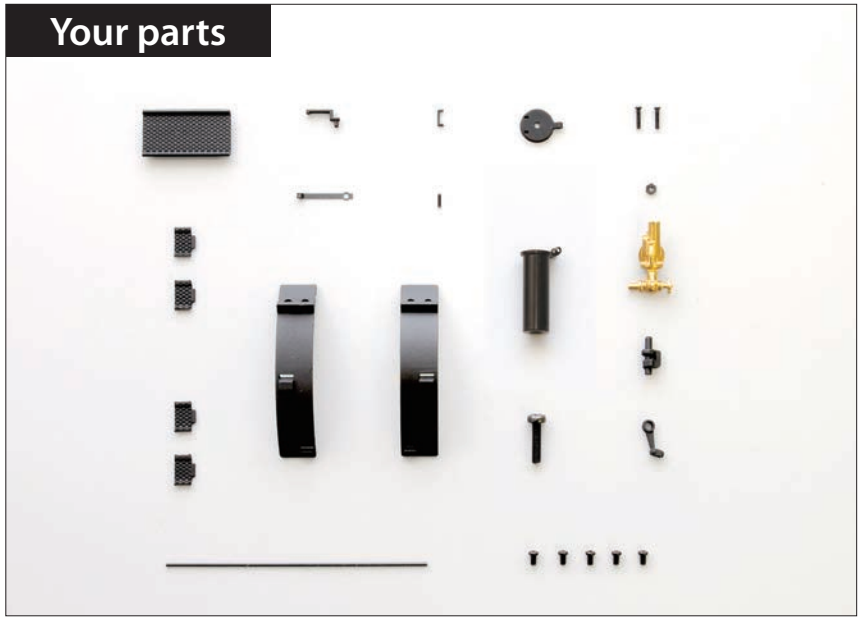
Complete

Building up the dome

Where your parts fit



Your parts

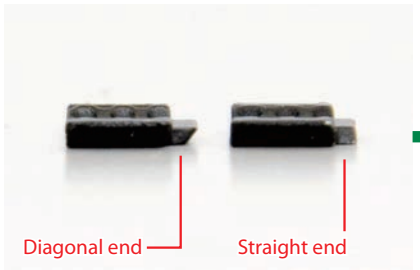


- Boiler step
- Boiler side steps upper x 2
- Boiler side steps lower x 2
- Boiler side step seat left
- Boiler side step seat right
- Lock bar A
- Stopper
- Sandbox lid
- Lock bar B
- Hinge pin
- Sandbox shaft
- Whistle
- Control valve axis
- Control valve crank
- Control valve rod
- Screws (1.4 x 6mm) x 2
- Nut (M1.4)
- Screw (3 x 12mm)
- Screws (2 x 3mm) x 5

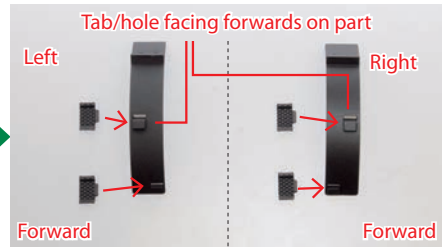
Tools

- Phillips screwdriver
- Tweezers
- Epoxy adhesive
- Syntheric rubber adhesive (SRA)
- Instant adhesive

1



Note the differences between the left and right boiler side steps.

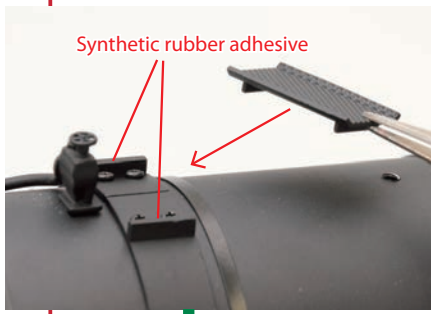


Use SRA to secure both steps to the left and right boiler step seats respectively. Follow the photo above carefully as a guide.

Brush the reverse of the left step seat with SRA and press to the left side of the boiler, lining up the circled holes.

Repeat for the right step seat, then secure both with two 2 x 3mm screws in the four circled holes.

2



Dab SRA onto the indicated tabs, then fit the boiler step.

Press into place, as shown.

3

Use a little epoxy adhesive to glue the stopper to the sandbox lid.

Wait for the adhesive to dry before proceeding.

4

Now slide the lock bar B's flat end through the stopper, as shown.

Line up the hole in the lock bar B with the one on the lid, and fit a 1.4 x 6mm screw through both.

Dab a little rubber adhesive onto the threaded tip from the underside, then fit a M1.4 nut.

Tighten the nut until the lock bar is held, but can still move.

5

Line up the lid to the top of the sandbox shaft.

Aligning the parts as shown, slide the hinge pin through the hinge.

Dab the protruding tip of the hinge axis with SRA.

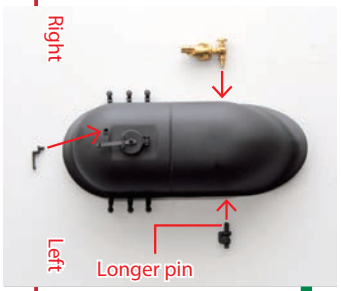
Check that the lid is able to open and close.

6

Now fit the sandbox shaft and lid assembly into the hole in the top of the dome (circled).

Hold the parts in place and apply some epoxy adhesive to the join around the shaft on the inside of the dome.

7

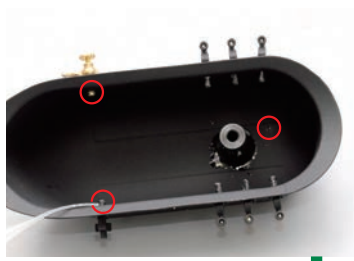


Fit the parts shown (lock bar A, whistle, control valve axis) into the indicated holes in the dome.

Make sure the control valve axis faces down, then secure with rubber adhesive.

The long arm of the lock bar should be horizontal, and the whistle pointing upwards. Secure both with SRA.

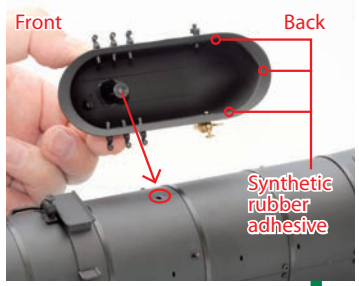
8



Reinforce the joins (circled) with instant adhesive on the inside of the dome.

You should be able to unlock and open the sandbox lid by sliding lock bar B from under lock bar A.

9

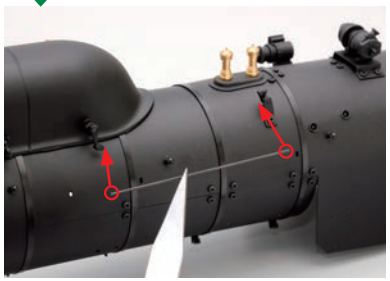


Dab around the rim of the dome with SRA and fit to the boiler top. The sandbox shaft should line up with the circled hole.

With the dome in place, open the sandbox lid and tighten the 3 x 12mm screw into the hole circled above to secure the dome to the boiler. Clear away any excess glue from around the dome.

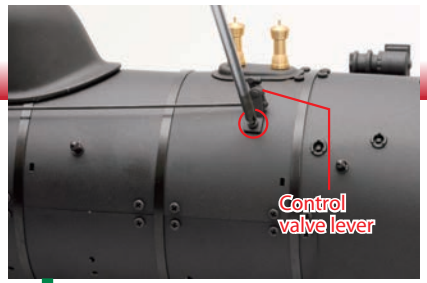
10

Glue the control valve crank to the control valve axis with SRA, positioned with its lug facing backwards. Proceed immediately, before the adhesive dries.



Dab SRA to each end of the control valve rod and line up with the control valve crank and lever.

Loosen the circled screw if it is difficult to fit the rod.

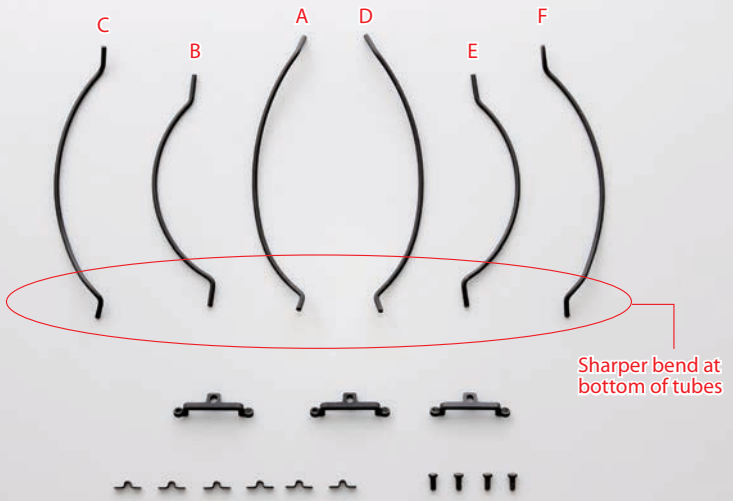


Fit both rod ends of the rod as shown. Leave to cure, and tighten the screw again if necessary.

Complete

The sand spreader tubes

Your parts



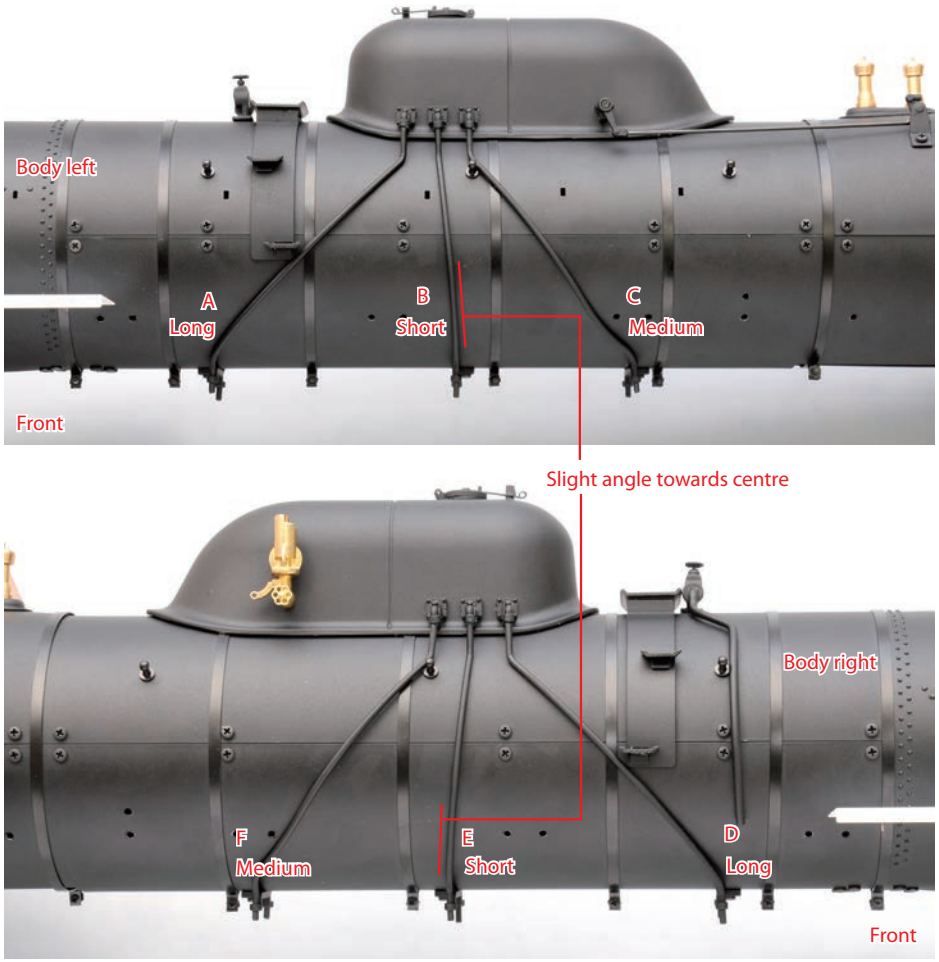
Sand spreader tube A
Sand spreader tube B
Sand spreader tube C
Sand spreader tube D
Sand spreader tube E
Sand spreader tube F
Sand spreader tube receivers x 3
Sand spreader tube brackets x 6
Screws (2 x 4mm) x 4

Tools

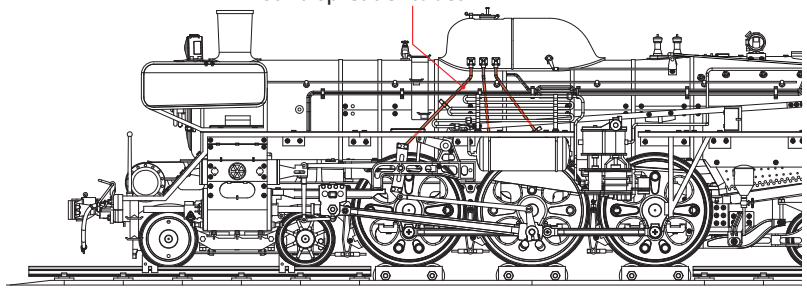
Phillips screwdriver
Syntheric rubber adhesive (SRA)
Masking tape

1

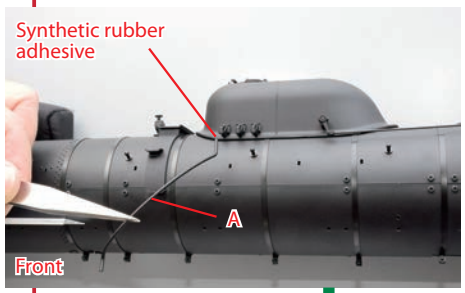
Familiarise yourself with the final positions of the sand spreader tubes, shown below, by test-fitting them without glue.



Where your parts fit

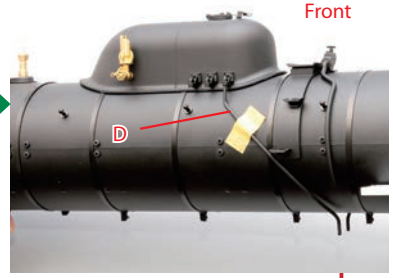


2



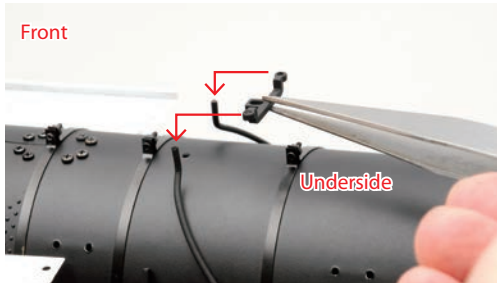
Dab the upper tip of tube A with SRA and fit it into the first main pipe cock on the left side of the dome.

Use masking tape to hold the pipe in place.



Turn the body around and repeat for tube D.

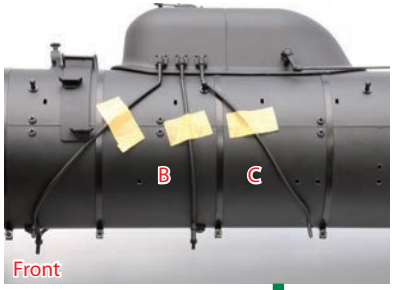
3



Take one of the tube receivers and fit it onto the tips of tubes A and D, as shown.

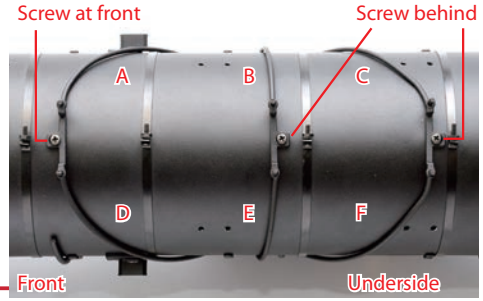
Secure to the boiler with a 2 x 4mm screw.

4



Now repeat the work of Step 2 for tubes B and C (left side) and D and E (right side).

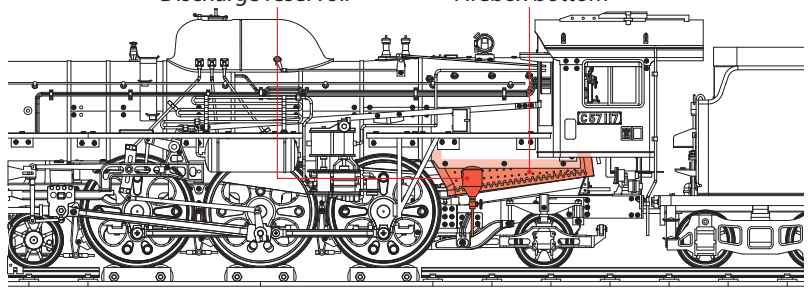
Adjust the positions of the tubes so each one meets its opposite letter, then secure to the boiler with the remaining receivers and screws.



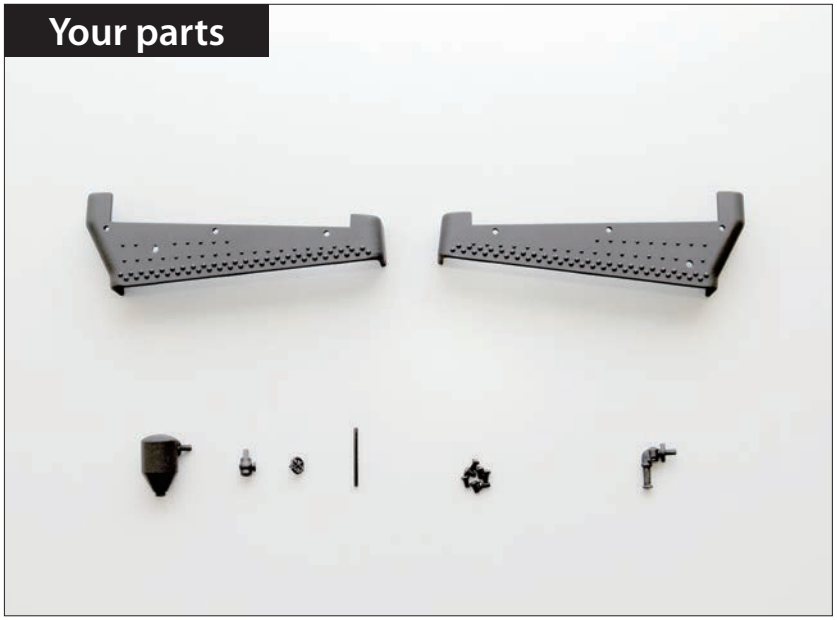
Complete

The firebox bottom

Where your parts fit



Your parts



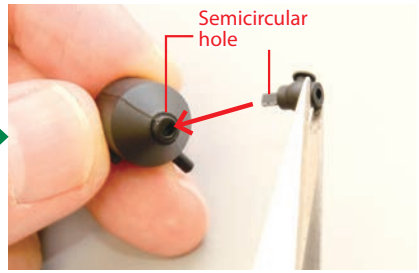
Firebox bottom left
Firebox bottom right
Discharge reservoir
Discharge valve
Discharge valve handwheel
Drainage pipe
Bleed valve
Screws (2 x 3mm) x 7

Tools

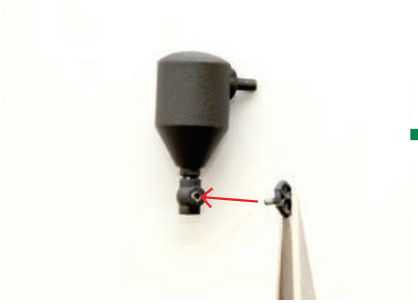
Phillips screwdriver
Synthetic rubber adhesive (SRA)
Instant adhesive
Epoxy adhesive

1

The discharge reservoir, discharge valve and discharge valve handwheel will fit together, as shown.



Dab the tip of the valve with SRA and fit it to the reservoir.



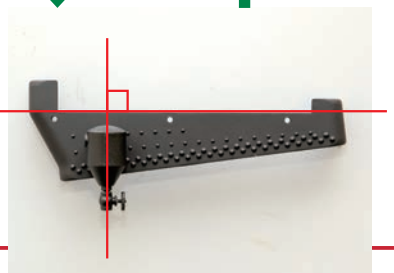
Now do the same with the handwheel, fitting it to the discharge valve.

Your assembly should look like this.

2

Insert the pin at the top of the reservoir with the hole in the left firebox bottom. Secure with SRA.

Apply some instant adhesive on the reverse to reinforce the hold.

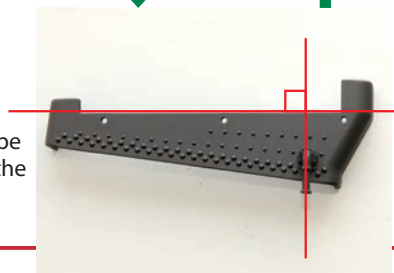


Make sure it is positioned at a right angle, as shown.

3

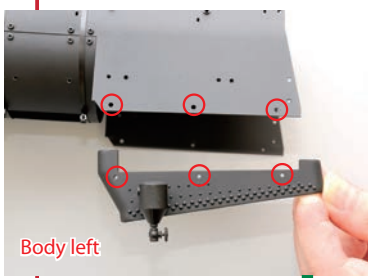
Now use rubber adhesive to fit the bleed valve to the hole in the right firebox bottom.

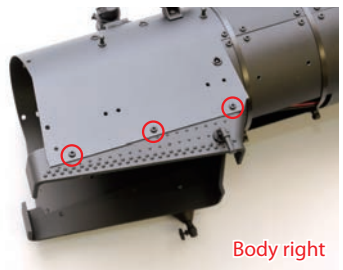
Reinforce the reverse with instant adhesive.



The valve should be perpendicular to the firebox top edge.

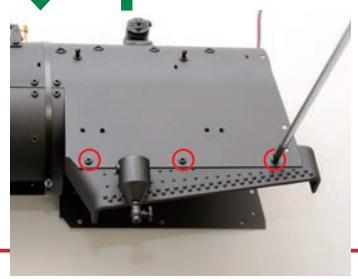
4





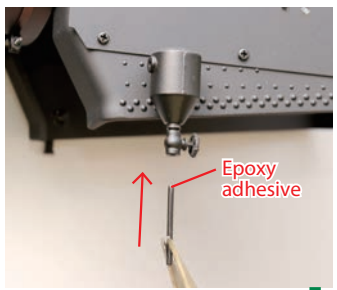
Align the holes of the left firebox bottom with those at the bottom of the left side of the firebox.

Secure it with three 2 x 3mm screws into the circled holes.



Repeat for the right firebox bottom.

5



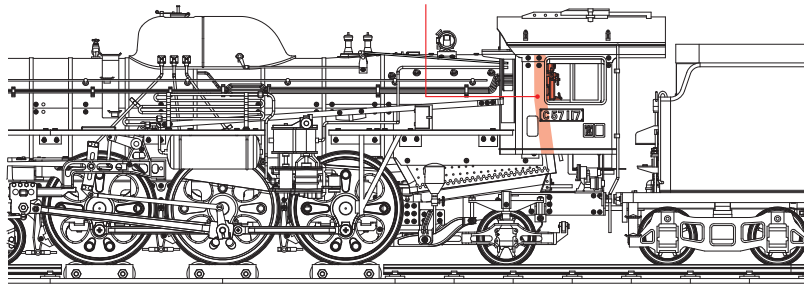
Use epoxy adhesive to fit the drainage pipe into the bottom of the discharge valve.

Make sure the part is vertical, and ensure it doesn't fall out as the adhesive dries.

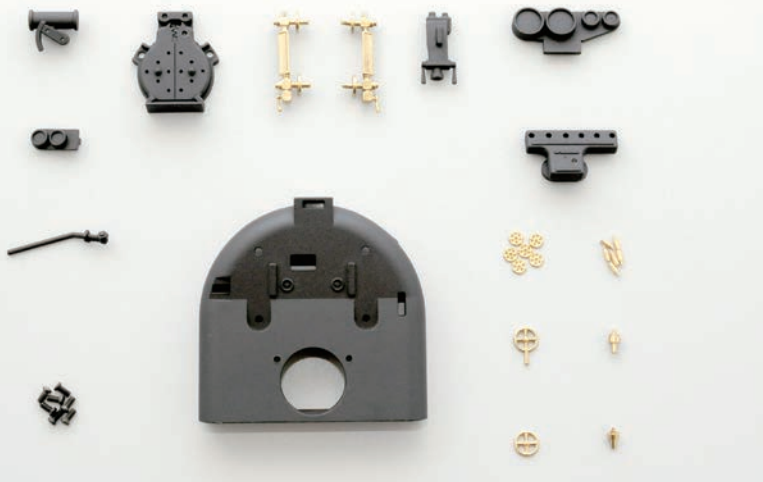
Complete

The backhead

Where your parts fit



Your parts

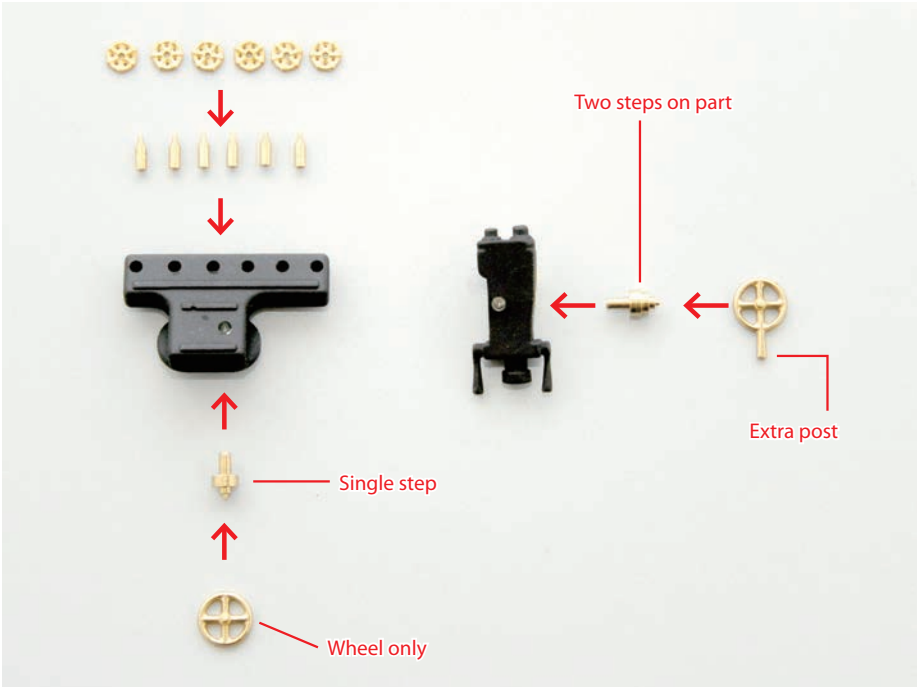


Air cylinder
Firebox door
Water gauge (left)
Water gauge (right)
Water injector
Gauges (top)
Valve box
Gauges (side)
Firebox door handle
Backhead
Valve wheels A x 6
Axes A x 6
Valve wheel B
Axis B
Valve wheel C
Axis C
Screws (2 x 4mm) x 7

Tools

Phillips screwdriver
Synthetic rubber adhesive (SRA)
Epoxy adhesive

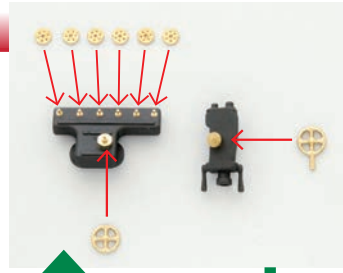
1



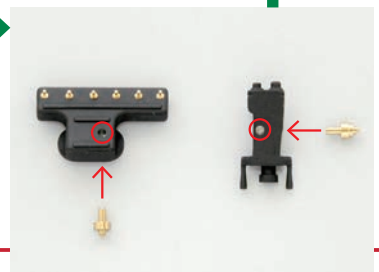
Familiarise yourself with the parts shown above. You will see each valve wheel has a corresponding axis.

2

Apply SRA to the thick ends of the axes A and insert them into the circled holes on the valve box.

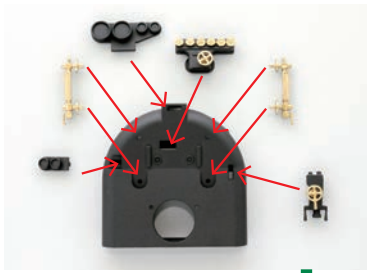


Use epoxy adhesive to fit the various wheels to their axes. When complete, they should look like the two parts below.



Glue axes B and C into the circled holes in the valve box and the water injector.

3



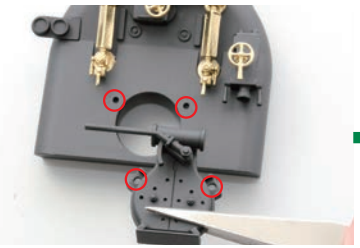
Use SRA to affix the parts to the backhead, following the arrows carefully to do so.

Make sure your parts are placed exactly as shown here (especially the left and right water gauges).

4

Use SRA to affix the air cylinder to the firebox door, via the three circled holes.

Now glue the firebox door handle to the holes in the air cylinder.



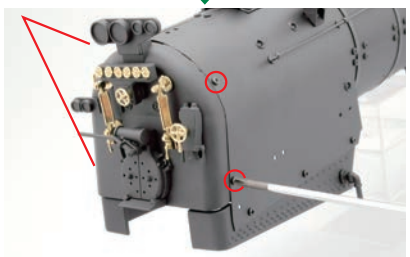
Align the holes in the firebox door with those in the backhead, as shown.

Secure the door using two 2 x 4mm screws in the circled holes.

5

Now line up the holes in the backhead with those in the rear of the body.

Fasten two
2 x 4mm screws

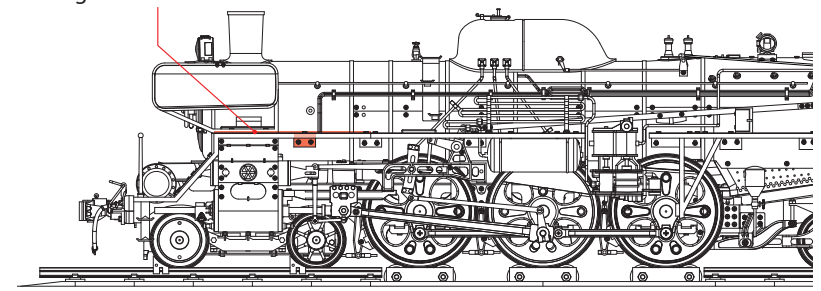


Secure the parts using four more 2 x 4mm screws.

Complete

The running board

Where your parts fit



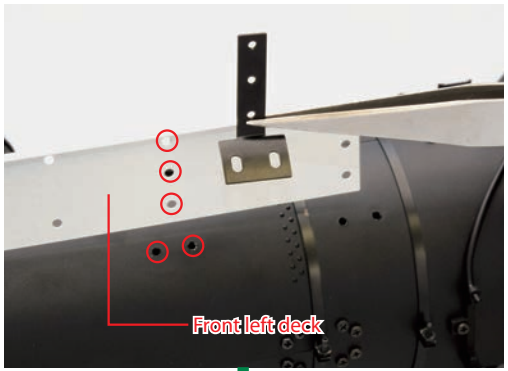
Your parts

Running board front (left)
Running board support
Screws (2 x 3mm) x 6

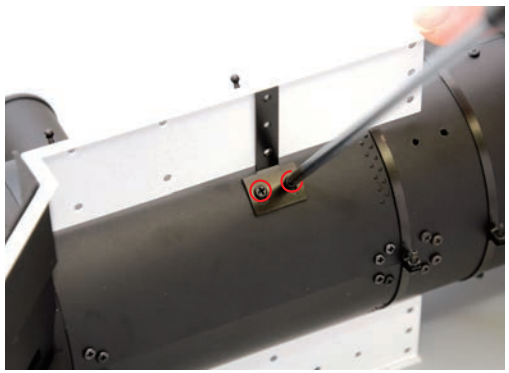
Tools

Phillips screwdriver
Synthetic rubber adhesive (SRA)

1



Line up the running board support to the underside of the front left deck, aligning the part with the circled holes.

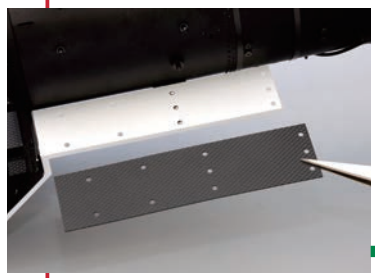


Tighten two 2 x 3mm screws into the circled holes. Do this lightly at first, to allow for adjustment later.

2

Familiarise yourself with the front left running board, noting the positions of its holes and which are the top and bottom sides (the top has raised, criss-crossing ridges on it, creating diamond-shaped recesses, while the bottom is the reverse of this).

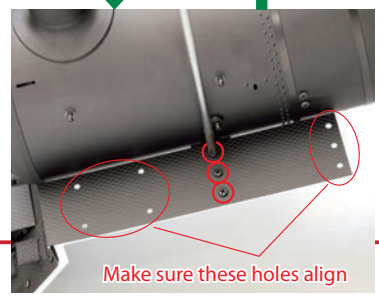
3



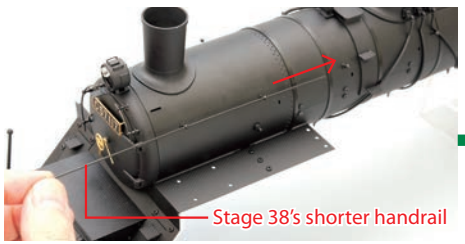
Line up the running board to the left front deck.

You can now fully tighten the screws fitted previously.

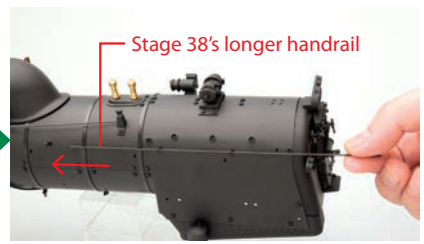
Use three 2 x 3mm screws to fasten the part via the three central holes. Ensure the other holes are also aligned.



4



Take one of the shorter handrails from Stage 38 and feed it through the handrail brackets from the front.



Now take one of the longer handrails of Stage 38's and fit this through the brackets, but from the back this time.

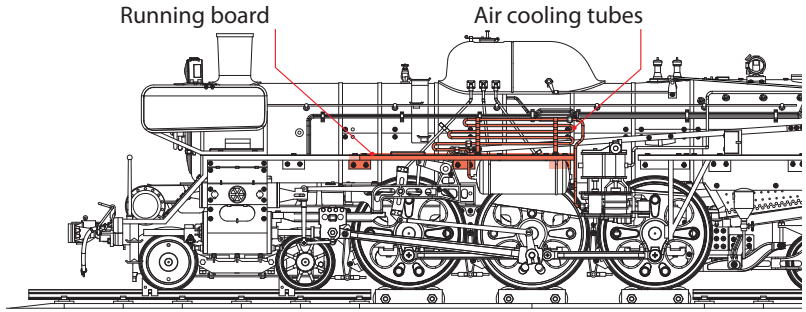
The two handrails will meet inside the bracket shown here.

Slide the rails out from the bracket, dab a little rubber adhesive on their tips, then push them inside the bracket to join them. Wipe away any glue that spills out on either side of the bracket.

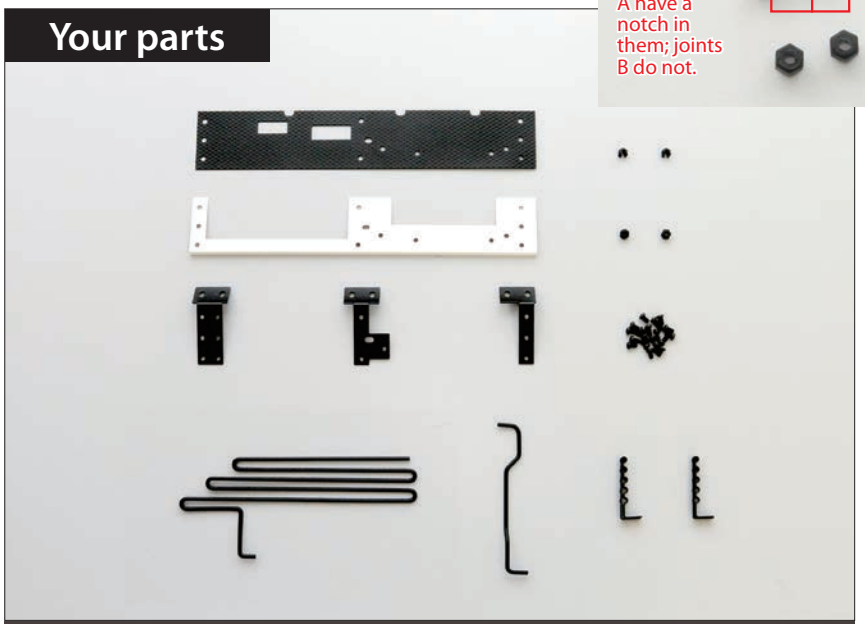
Complete

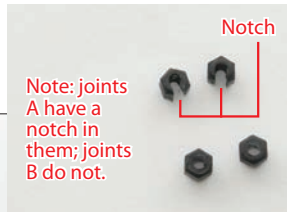
The running board 2

Where your parts fit



Your parts



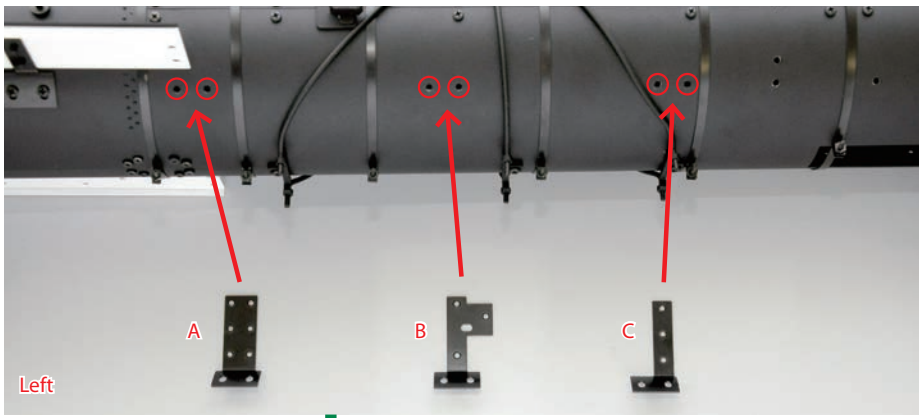


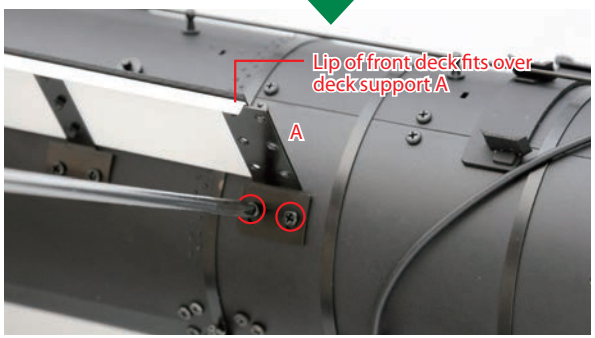
Running board (left)
Running board base (left)
Running board support A
Running board support B
Running board support C
Air cooling tube (left A)
Air cooling tube (left B)
Air cooling pipe supports x 2
Joints A x 2
Joints B x 2
Screws (2 x 3mm) x 19

Tools

Phillips screwdriver
Synthetic rubber adhesive (SRA)

1





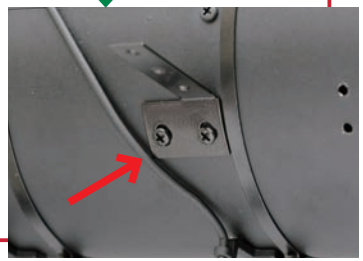
Line up running board supports A, B and C as shown, noting their differing shapes.

Begin by fitting support A, using two 2 x 3mm screws – tightening lightly to allow for adjustment later. The outside lip of the front left deck will cover the support's edge.

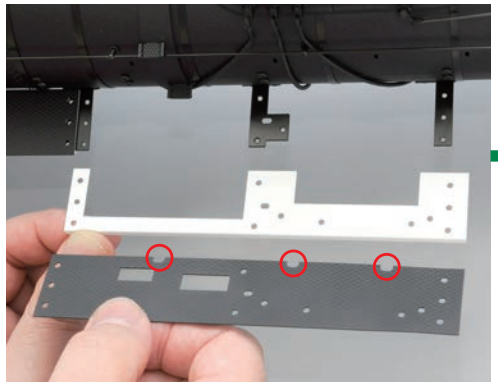
2

Now fit the other two supports, again tightening the screws lightly to allow for adjustment.

Tuck the corner of support C under the passing sand spreader tube, as shown.

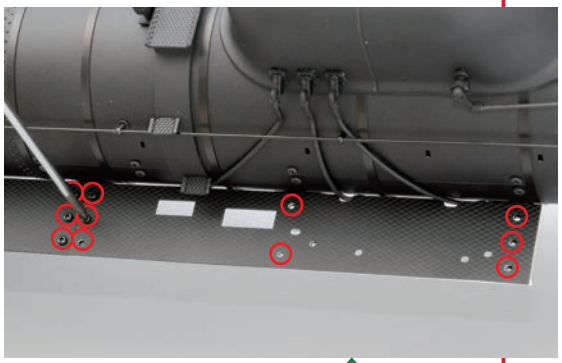


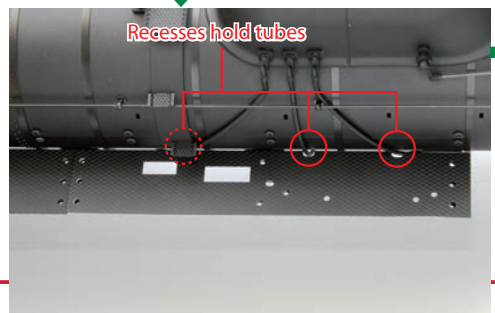
3



Line up the left running board and its base to the supports fitted in Step 2. The circled recesses are cut to make way for the sand spreader tubes.

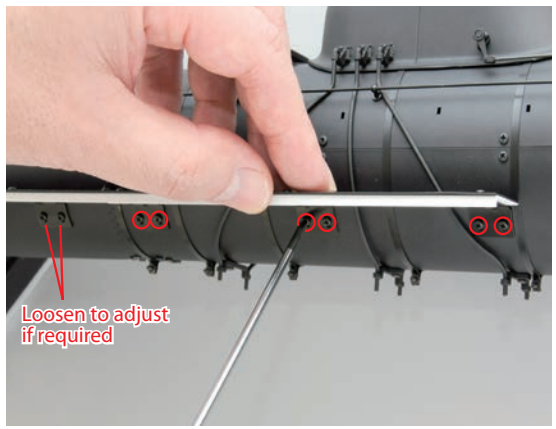
Tighten 11 2 x 3mm screws into the circled holes.





Line up the holes in both parts with the screw holes in the supports, and so that the recesses hold the tubes, as shown.

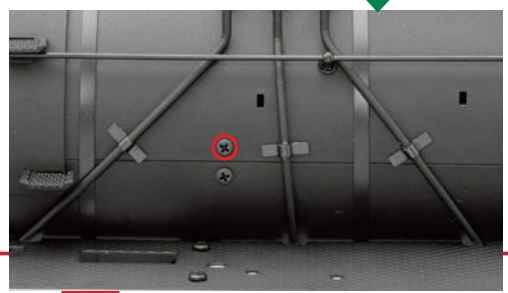
4



Now fully tighten the supports' screws.

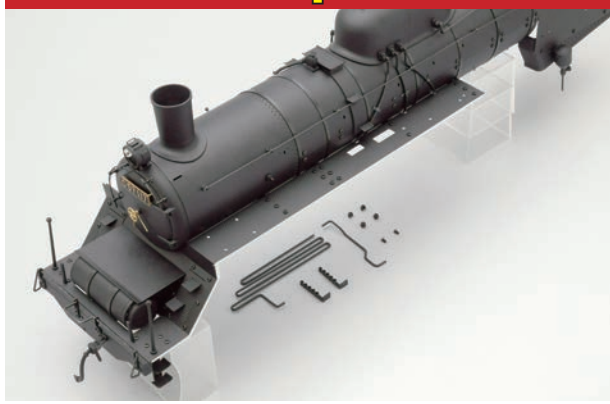
5

Now fetch the sand spreader tube brackets from Stage 41 and use SRA to fit them to the tubes on the left side of the body in the positions shown.



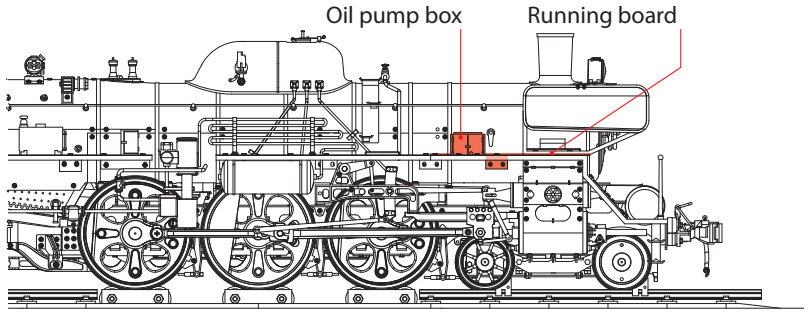
Use this photo, and the circled screw, to orient the brackets.

Complete

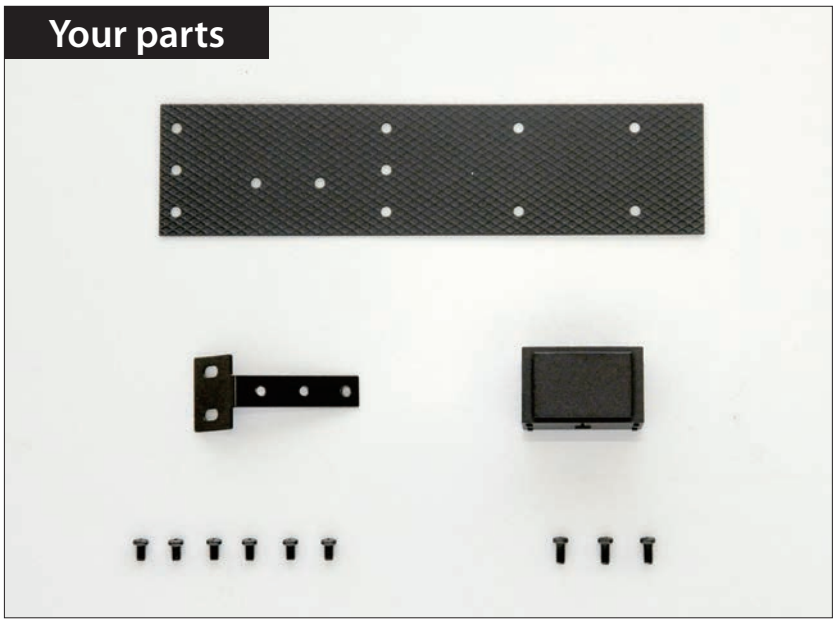


The running board 3

Where your parts fit



Your parts

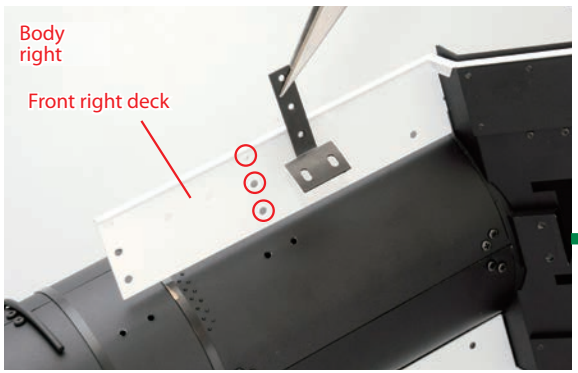


Running board (right)
Running board support
Oil pump box
Screws (2 x 3mm) x 6
Screws (2 x 4mm) x 3

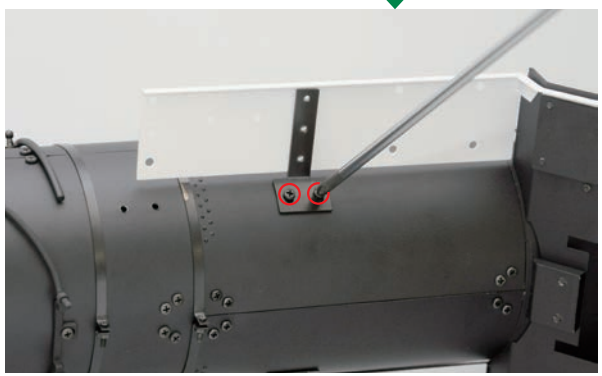
Tools

Phillips screwdriver
Synthetic rubber adhesive (SRA)

1

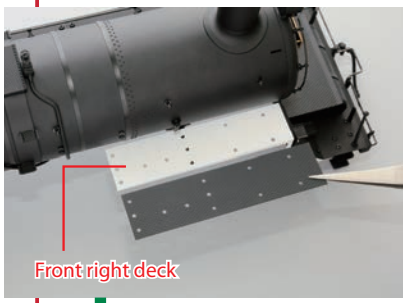


On the right-hand side of the body, line up the running board support with the circled holes, on the underside of the right deck.



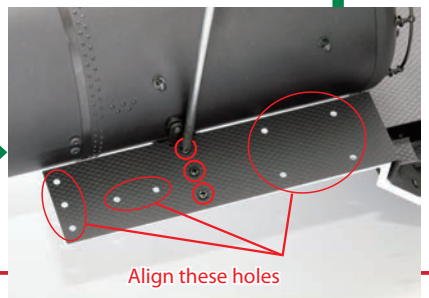
Use two of the 2 x 3mm screws to secure the support. Do this lightly at this stage.

2



Now line up the right running board with the deck, using the location of the holes to orient the parts.

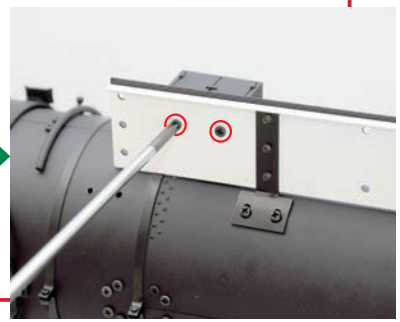
Once all the holes are aligned, fully tighten the support.



Use three more 2 x 3mm screws to secure the part via the central holes. Make sure the other holes in the running board are aligned with those of the deck.

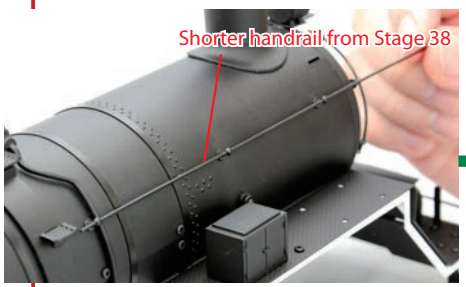
3

Now take the oil pump box, positioned with its two holes facing the running board, and fit it to the board.

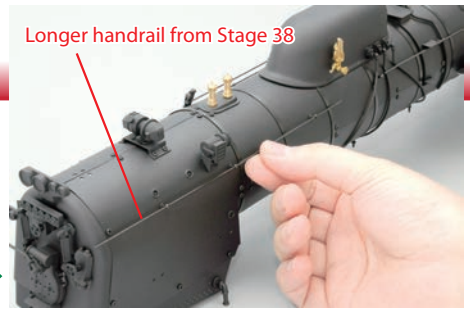


Secure with two 2 x 4mm screws.

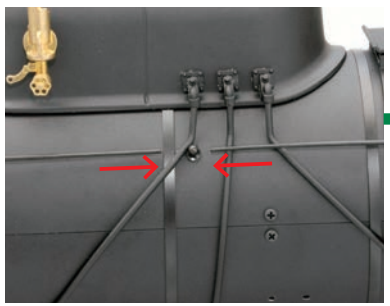
4



Next, take the other shorter handrail from Stage 38 and fit it through the handrail brackets on the right side of the body from the front.



Now fit the longer handrail from Stage 38 through the brackets on the right from the rear of the body.



The two will meet inside the bracket shown here.

Pull the rails out of the bracket, dab their ends with SRA, then slide them back inside the bracket to cure.

Complete