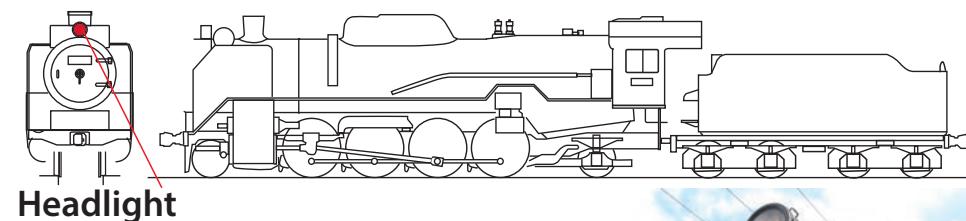


The smokebox door fittings and headlight



Your parts



LED (with wires)	Headlight lens
Connector	Smokebox door handle
Lock	Smokebox door
Lever	locking bar
Terminals x 2	
Handril brackets x 4	
Right handrail	
Left handrail	
Door handle	
Headlight	

Required tools

Tweezers
Sidecutters
Instant adhesive
Epoxy adhesive
Masking tape

1

Fitting the handle



Insert the handle into the two holes on the smokebox door.

Hold the handle in place so that it protrudes through the back of the door by 3mm, and apply superglue to the ends to secure it in place.



When the glue is dry, cut off the protruding ends of the handle.

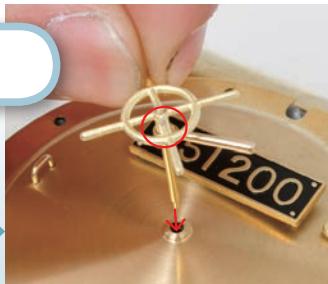


2

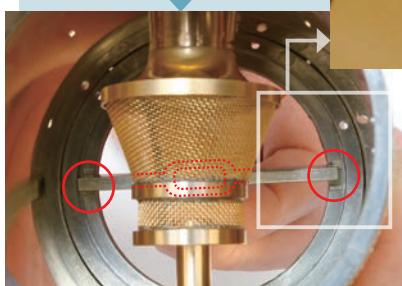
Fitting the locking bar



Apply epoxy adhesive to both ends of the smokebox door locking bar.



Screw the handle into the hole in the lever and then insert the end of the handle into the hole in the centre of the smokebox door.



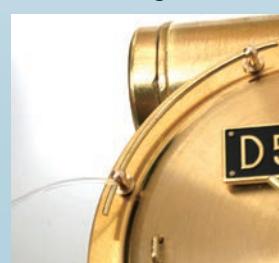
Glue the bar between the two projections on either side of the boiler ring (circled).

3

Fitting the handrails



Lift the handrail slightly to expose the lower parts of the brackets. Apply superglue to these areas and place back into position.



Place two brackets into the holes on the upper right side of the smokebox front plate, and insert the right handrail through the holes in both.



Apply a small amount of superglue to the handrail where it passes through the brackets, as shown in the photo.



Follow the same process to fit the left handrail and brackets into the two holes on the upper left side of the front plate.

4

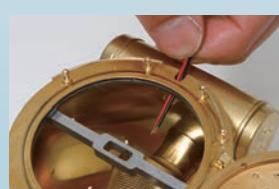
Assembling the headlight



Place the lens in the headlight and hold in place with masking tape. The power supply will be delivered at a later stage, so these parts won't be secured until the LED has been tested.



Pass the two ends of the LED wire through the hole in the headlight and out through the bottom.



Pass the LED wire through the hole at the top of the smokebox front plate.

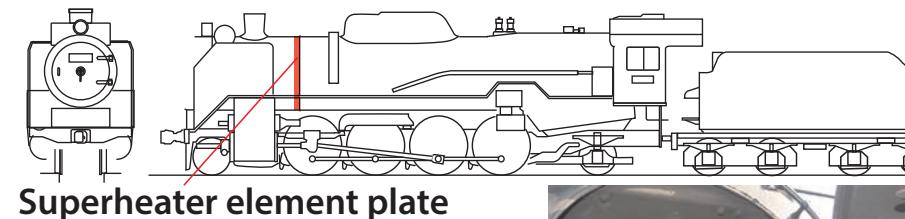


Insert the bottom of the headlight into the front plate and secure with glue.

Assembled parts



The handrails, superheater element plate and LED



Your parts

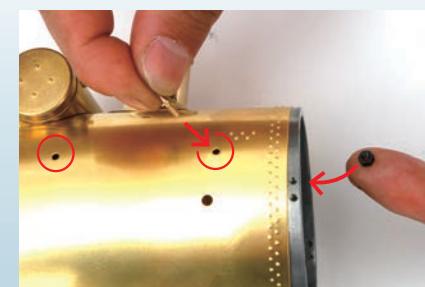


Required tools

Long-nose pliers
Tweezers
Phillips screwdriver
Instant adhesive
Contact adhesive

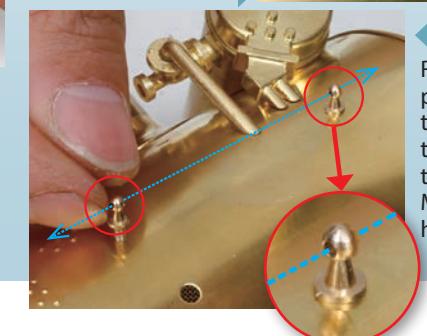
1

Fitting the handrails



Apply some contact adhesive to the tip of one of the brackets and insert it into the hole on the left side of the smokebox. Place a nut onto the end of the bracket. Repeat this to fit a second bracket into the hole behind the first (circled). Before securing, align the holes in the brackets.

Turn the two nuts onto the brackets to secure to the smokebox, ensuring the holes in the brackets are kept aligned.

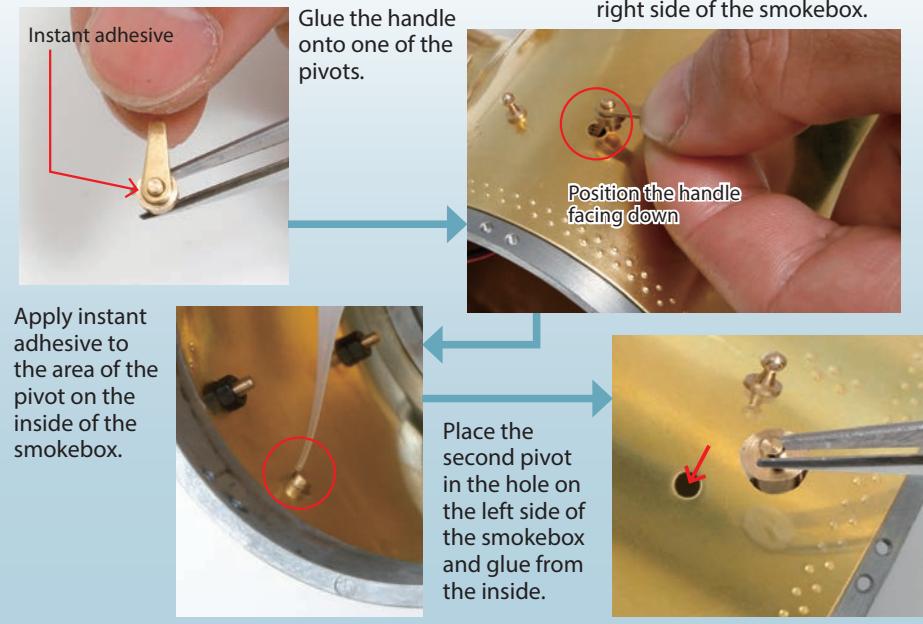


Repeat this process to fit the two brackets on the right side of the smokebox. Make sure the holes are aligned.



2

Fitting the handle and pivots



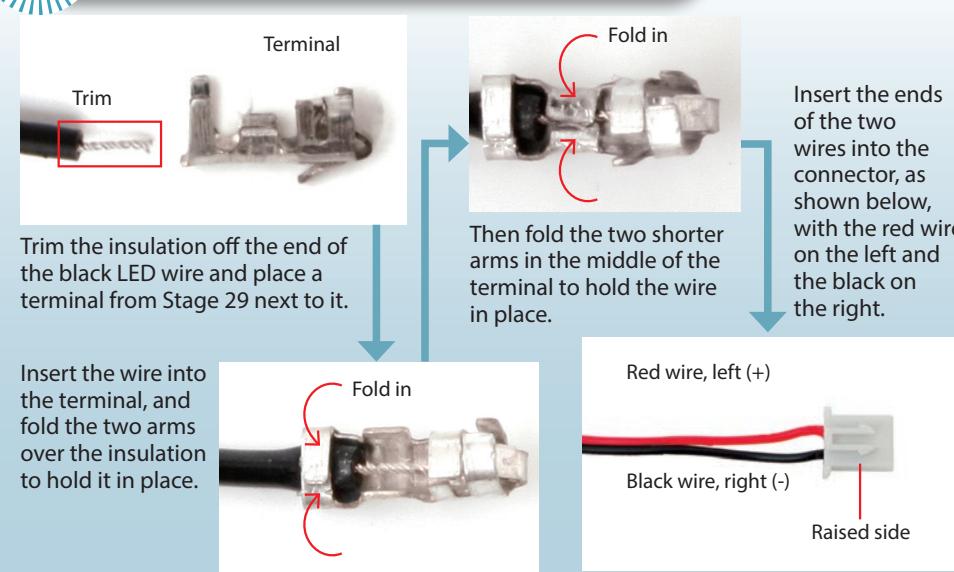
3

Assembling the superheater element plate



4

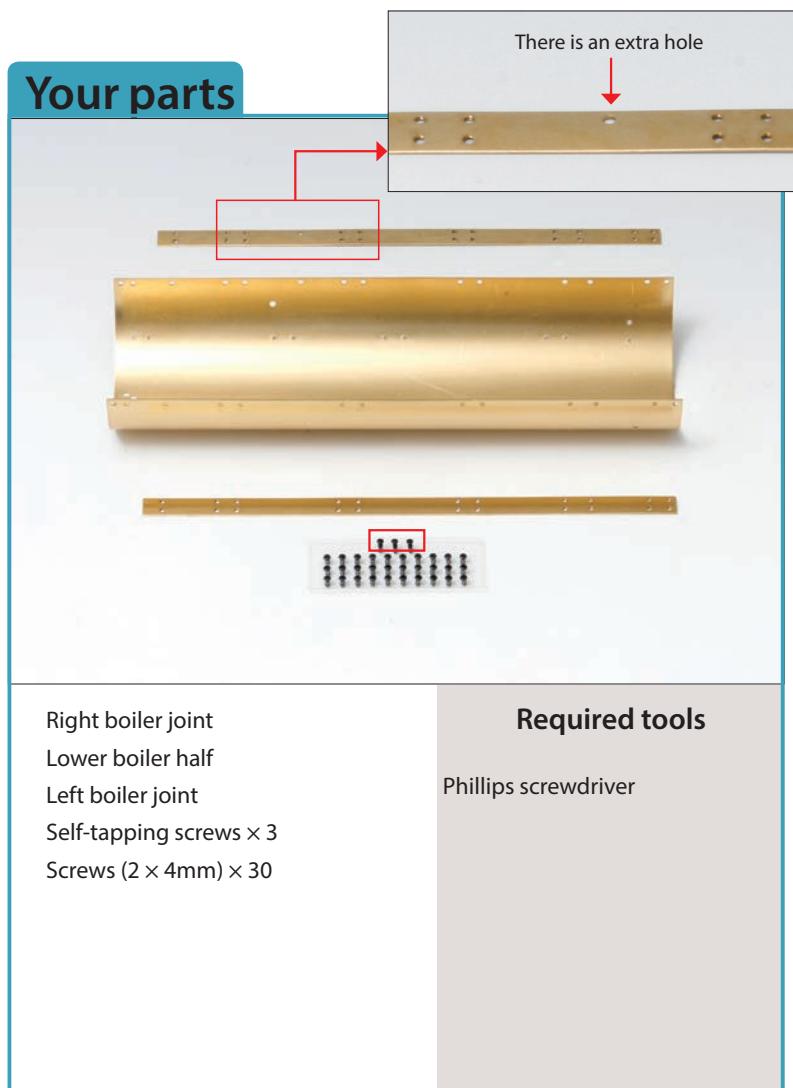
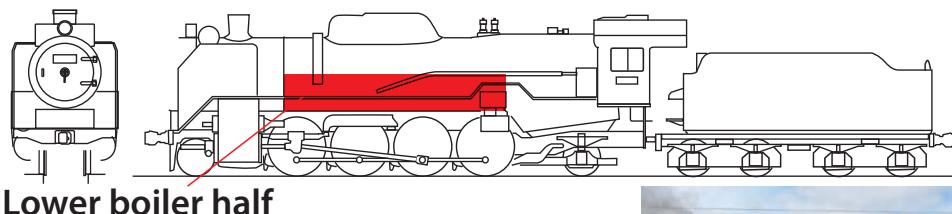
Fitting the terminals and connector



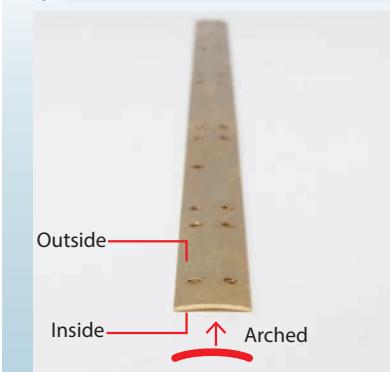
Assembled parts



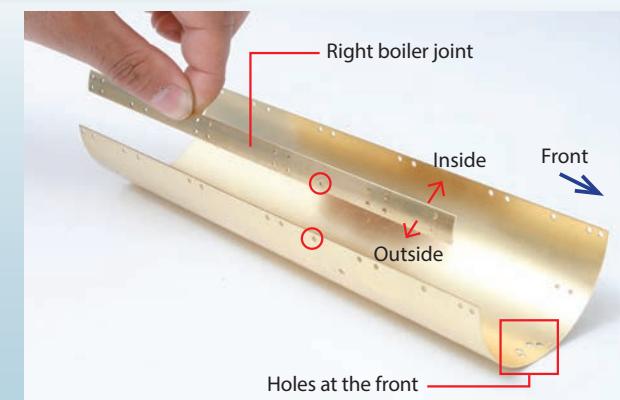
The boiler 1



1 Preparing the parts



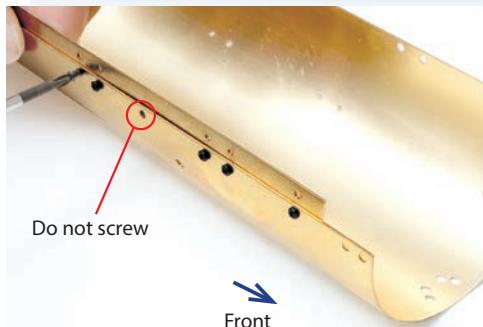
Place the right boiler joint in front of you, as shown. Identify the outer and inner sides.



Hold the right boiler joint up against the lower boiler half, aligning the circled holes, with the back ends of the two parts in line.

2

Fitting the boiler joints



Screw the lower half of the right boiler joint on the inside of the lower boiler half using 2 x 4mm screws, omitting the circled screw hole.



Hold the left boiler joint on the inside of the lower boiler half, aligning the holes and back ends of both.



Screw the left boiler joint to the lower boiler half.



The lower boiler half should now look like the one shown above.

3

Fitting the lower boiler half



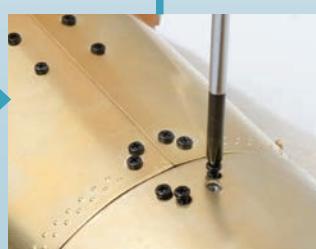
Fit the superheater element plate into the back of the smokebox, aligning the holes on the plate with those of the boiler hinge joint (circled).



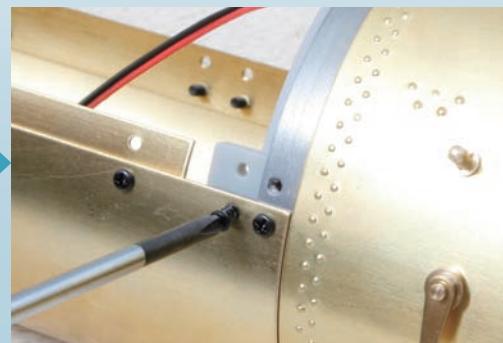
Tighten a 2 x 4mm screw into the first hole of the boiler half, and a self-tapping screw into the second hole (arrowed), securing it to the element plate.



Turn the smokebox upside down and place the lower boiler half over the joint, aligning the holes.

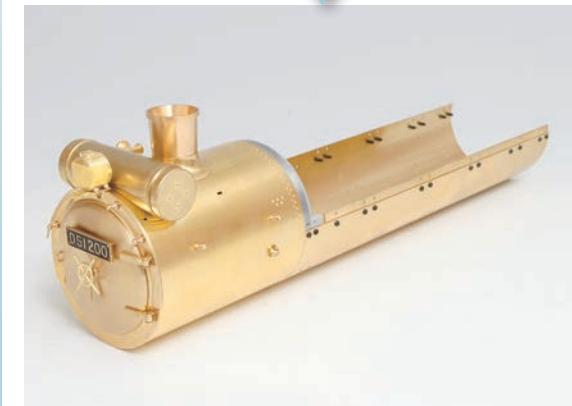


Tighten a 2 x 4mm screw into each of the four holes.

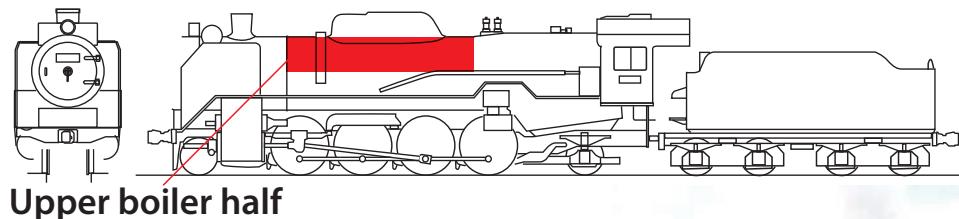


Repeat this process for the right side of the boiler.

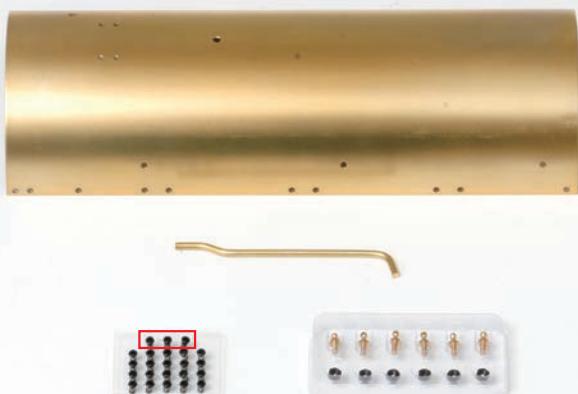
Assembled parts



The boiler 2



Your parts

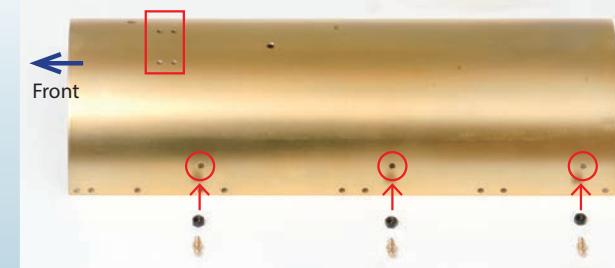


Upper boiler half
Steam pipe
Screws (2 x 4mm) x 20
Self-tapping screws x 3
Handrail brackets x 6
Nuts x 6

Required tools

Phillips screwdriver
Contact adhesive

1 Fitting the handrail brackets

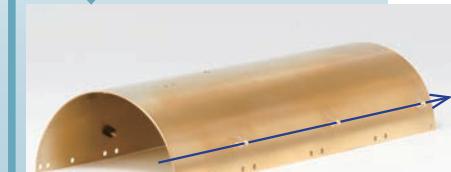


Place the upper boiler half, three handrail brackets and three nuts, as shown.

Insert the first handrail bracket into the circled hole in the upper boiler half.



Holding the bracket in place, tighten a nut with some contact adhesive in it onto the end of the bracket.



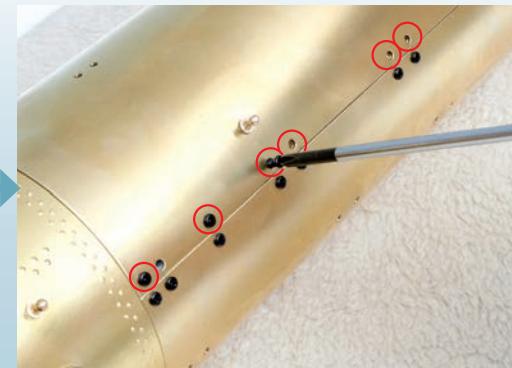
Fit a further five brackets and nuts to the upper boiler half, aligning the holes.

2

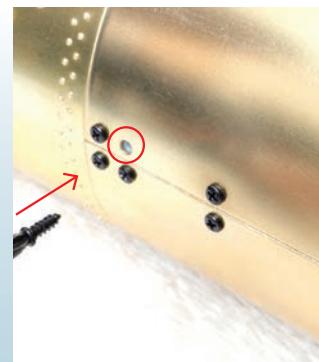
Fitting the boiler top



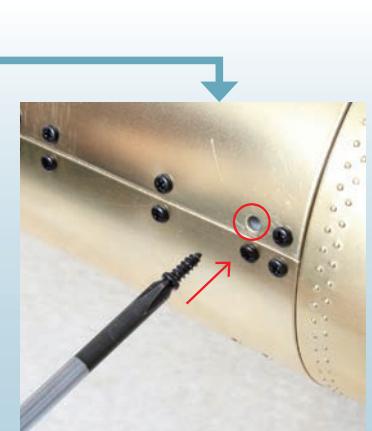
Place the upper boiler half onto the lower one, aligning the holes with the joints.



Tighten a 2 x 4mm screw into each of the circled holes on the left side of the boiler half.



Tighten a self-tapping screw into the second hole from the front of the upper boiler half.



Repeat this process for the right side of the upper boiler half.

3

The steam pipe



Although the steam pipe is not fitted at this stage, the photo above shows you where it will be positioned.

Assembled parts

