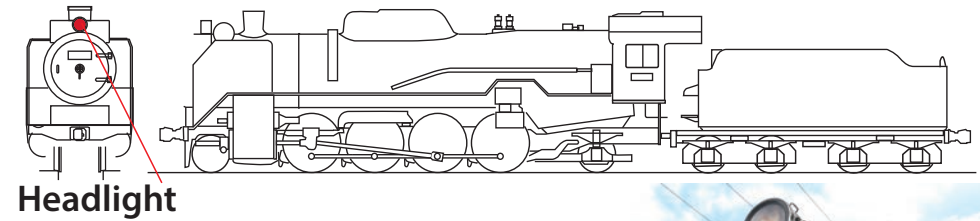
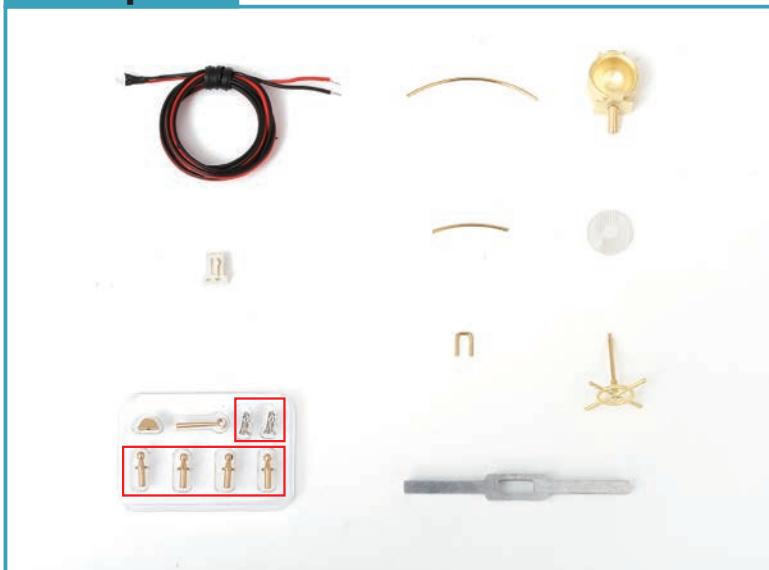


The smokebox door fittings and headlight



Your parts



LED (with wires)
Connector
Lock
Lever
Terminals × 2
Handrail brackets × 4
Right handrail
Left handrail
Door handle
Headlight

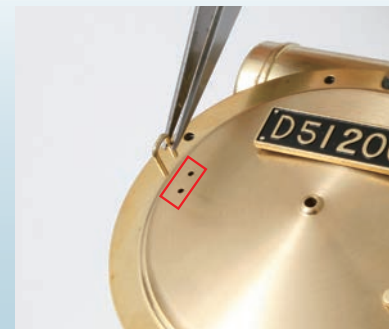
Headlight lens
Smokebox door
handle
Smokebox door
locking bar

Required tools

Tweezers
Sidecutters
Instant adhesive
Epoxy adhesive
Masking tape

1

Fitting the handle



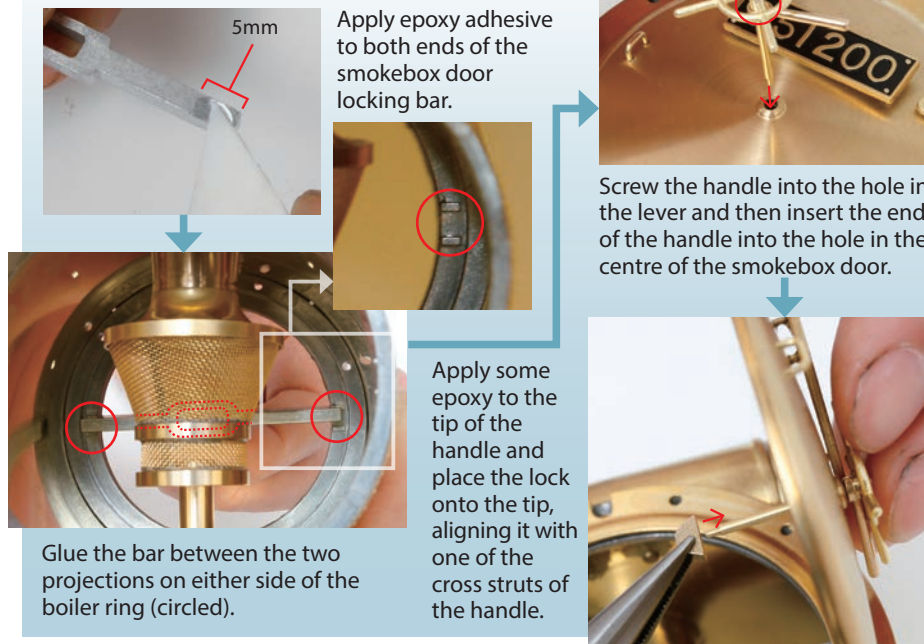
Insert the handle into the two holes on the smokebox door.

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.

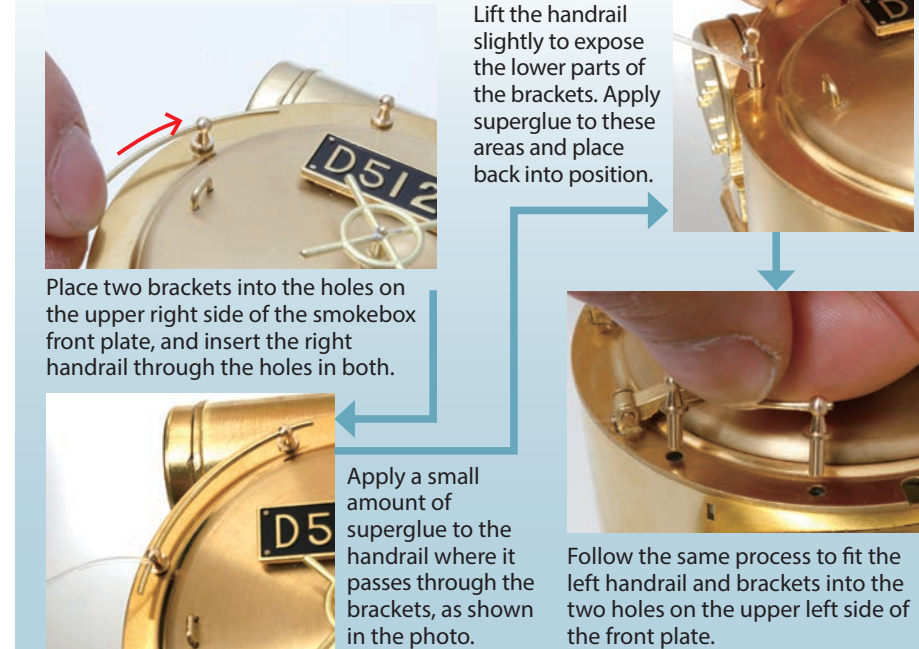


When the glue is dry, cut off the protruding ends of the handle.

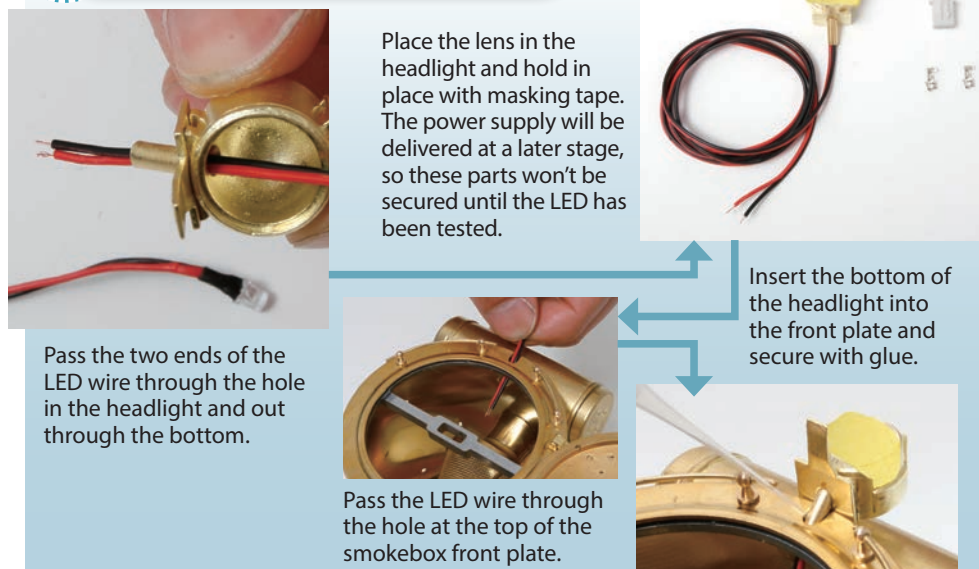
2 Fitting the locking bar



3 Fitting the handrails



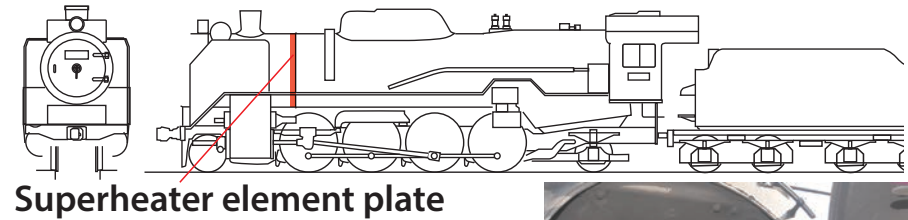
4 Assembling the headlight



Assembled parts



The handrails, superheater element plate and LED



Your parts



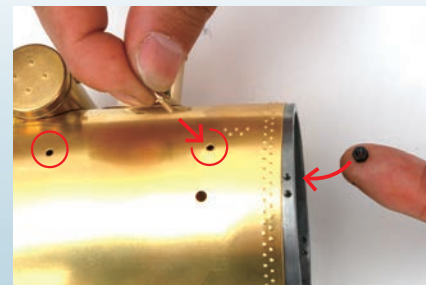
Screws (2 × 4mm) × 2
Handle
Pivots × 2
Superheater header
Handrail brackets × 4
Nuts × 4
Superheater element plate

Required tools

Long-nose pliers
Tweezers
Phillips screwdriver
Instant adhesive
Contact adhesive

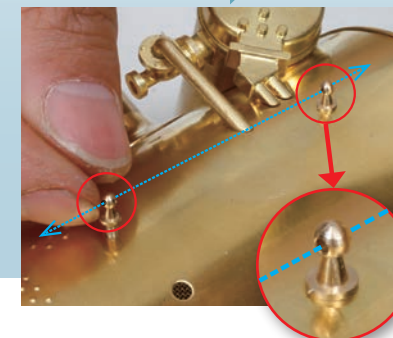
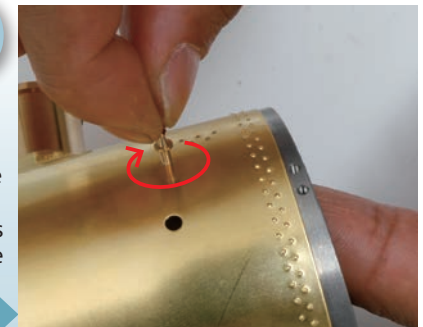
1

Fitting the handrails



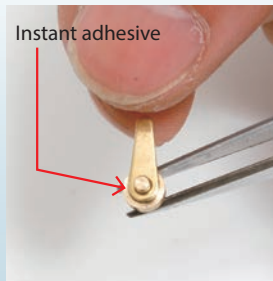
Apply some contact adhesive to the tip of one of the brackets and insert it into the hole on the left side of the smokebox. Place a nut onto the end of the bracket. Repeat this to fit a second bracket into the hole behind the first (circled). Before securing, align the holes in the brackets.

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



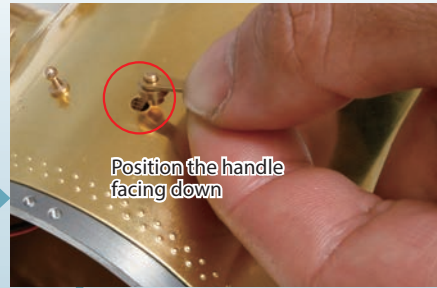
Repeat this process to fit the two brackets on the right side of the smokebox. Make sure the holes are aligned.

2 Fitting the handle and pivots



Instant adhesive

Glue the handle onto one of the pivots.

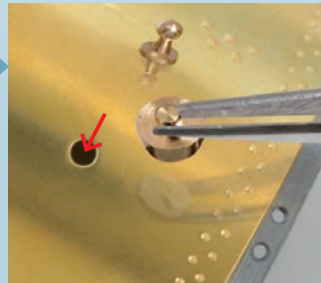


Position the handle facing down

Apply instant adhesive to the area of the pivot on the inside of the smokebox.



Place the second pivot in the hole on the left side of the smokebox and glue from the inside.

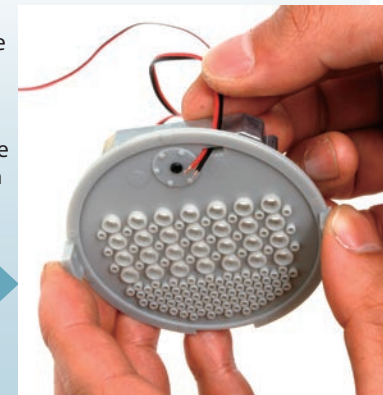


Place the pivot with the handle into the circled hole on the right side of the smokebox.

3 Assembling the superheater element plate



Apply some contact adhesive to the circled hole in the superheater header and place it in the recess in the superheater element plate.



Pass the LED wire from the headlight over the superheater header and through the hole in the top of the superheater element plate.



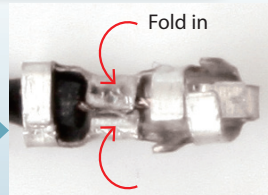
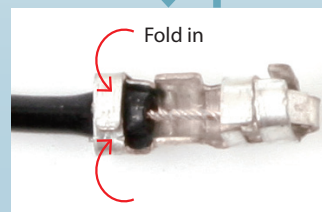
Tighten a 2 x 4mm screw into the hole in the plate, securing the header to it.

4 Fitting the terminals and connector



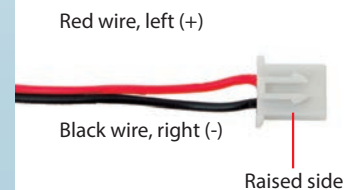
Trim the insulation off the end of the black LED wire and place a terminal from Stage 29 next to it.

Insert the wire into the terminal, and fold the two arms over the insulation to hold it in place.



Then fold the two shorter arms in the middle of the terminal to hold the wire in place.

Insert the ends of the two wires into the connector, as shown below, with the red wire on the left and the black on the right.



Red wire, left (+)

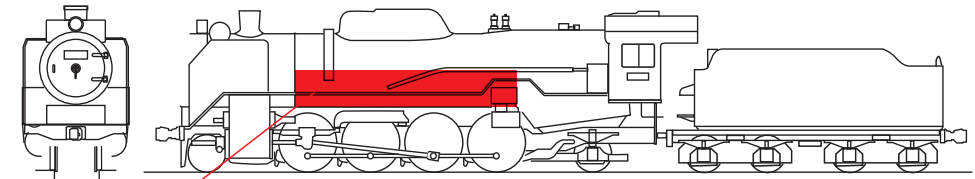
Black wire, right (-)

Raised side

Assembled parts



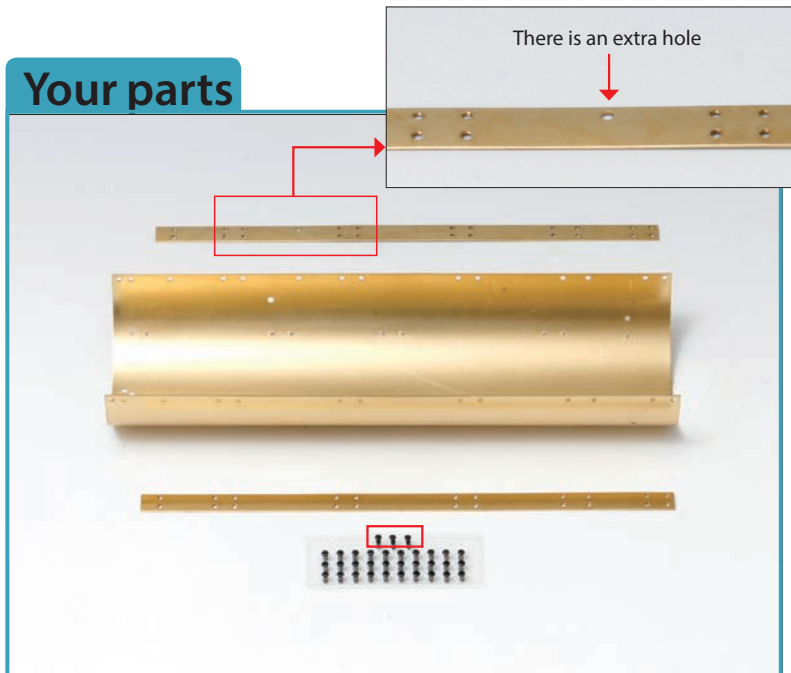
The boiler 1



Lower boiler half



Your parts



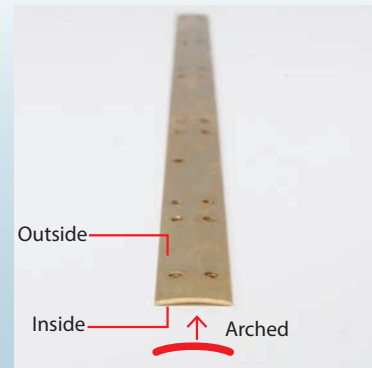
Right boiler joint
Lower boiler half
Left boiler joint
Self-tapping screws × 3
Screws (2 × 4mm) × 30

Required tools

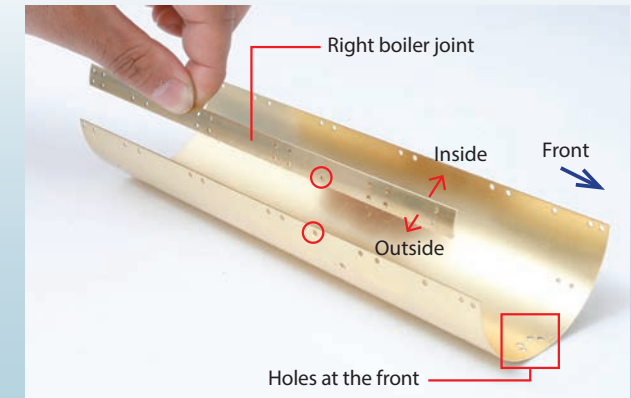
Phillips screwdriver

1

Preparing the parts

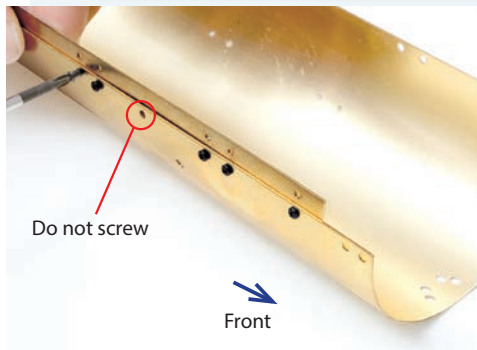


Place the right boiler joint in front of you, as shown. Identify the outer and inner sides.

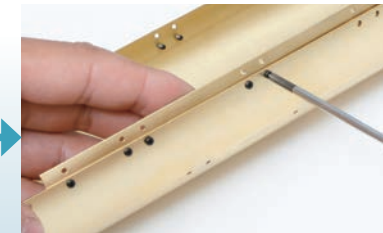


Hold the right boiler joint up against the lower boiler half, aligning the circled holes, with the back ends of the two parts in line.

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.

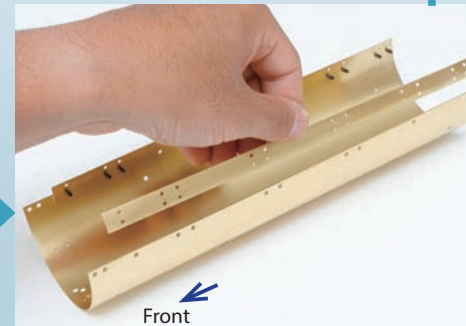


Screw the left boiler joint to the lower boiler half.



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

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



3 Fitting the lower boiler half

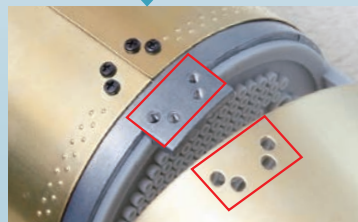
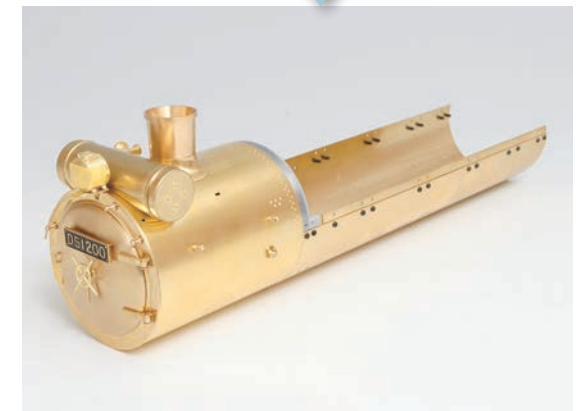


Fit the superheater element plate into the back of the smokebox, aligning the holes on the plate with those of the boiler hinge joint (circled).

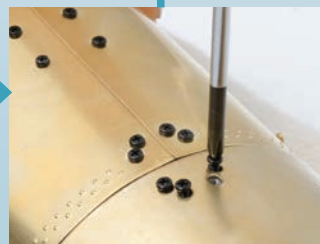


Tighten a 2 x 4mm screw into the first hole of the boiler half, and a self-tapping screw into the second hole (arrowed), securing it to the element plate.

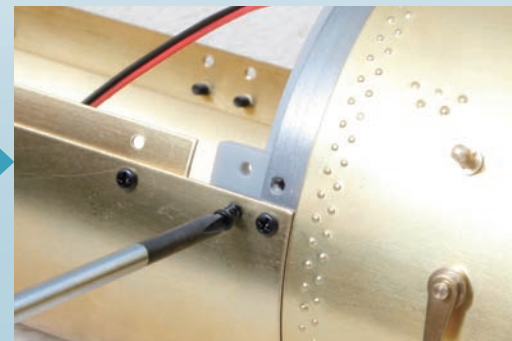
Assembled parts



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

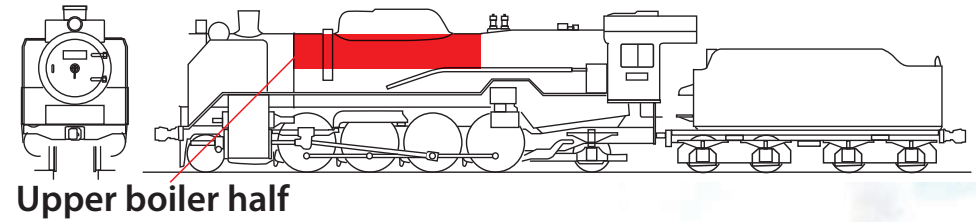


Tighten a 2 x 4mm screw into each of the four holes.

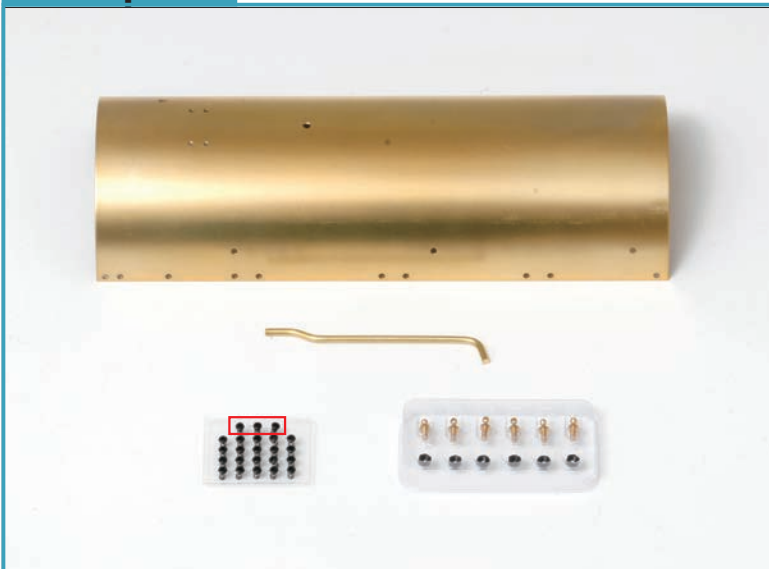


Repeat this process for the right side of the boiler.

The boiler 2



Your parts



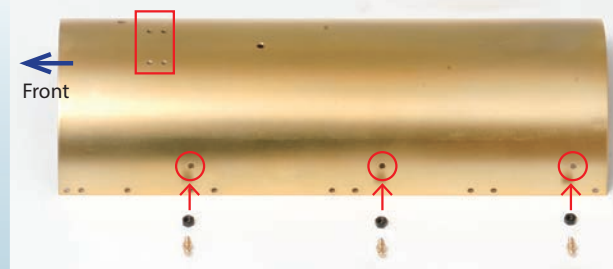
Upper boiler half
Steam pipe
Screws (2 × 4mm) × 20
Self-tapping screws × 3
Handrail brackets × 6
Nuts × 6

Required tools

Phillips screwdriver
Contact adhesive

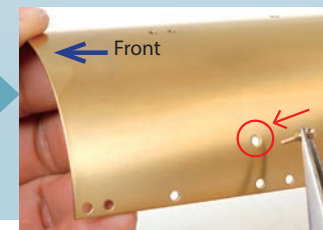
1

Fitting the handrail brackets

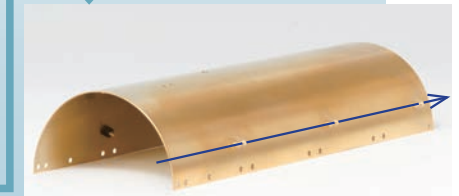


Place the upper boiler half, three handrail brackets and three nuts, as shown.

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.



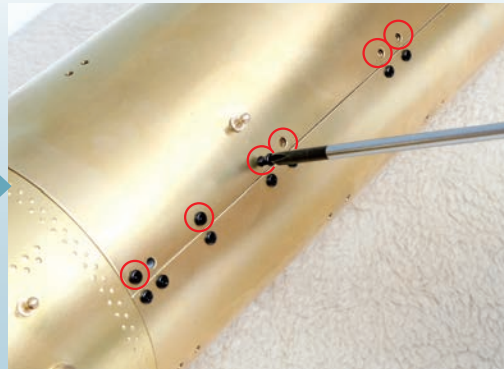
Fit a further five brackets and nuts to the upper boiler half, aligning the holes.

2

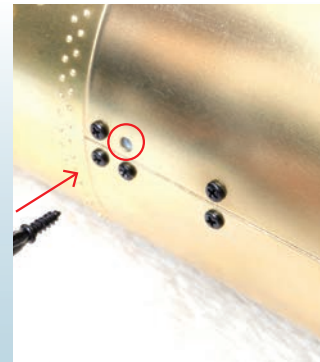
Fitting the boiler top



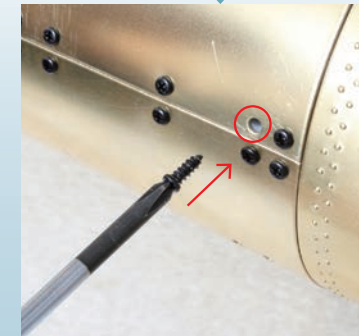
Place the upper boiler half onto the lower one, aligning the holes with the joints.



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

