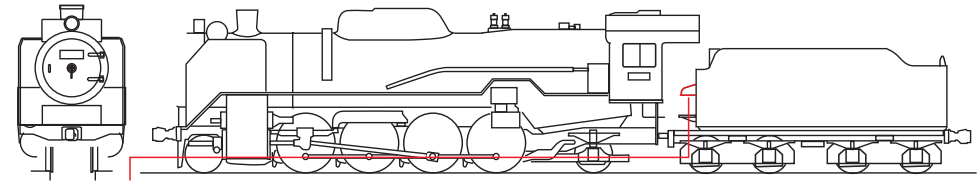


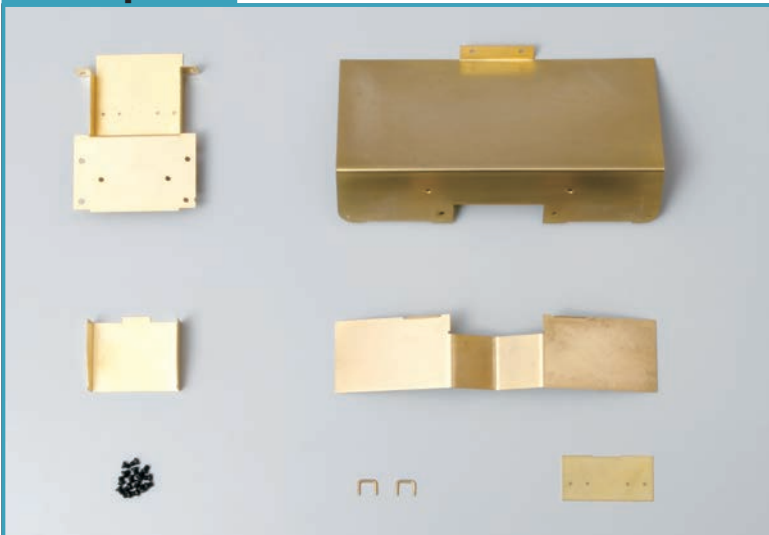
The front tender wall



Coal outlet



Your parts



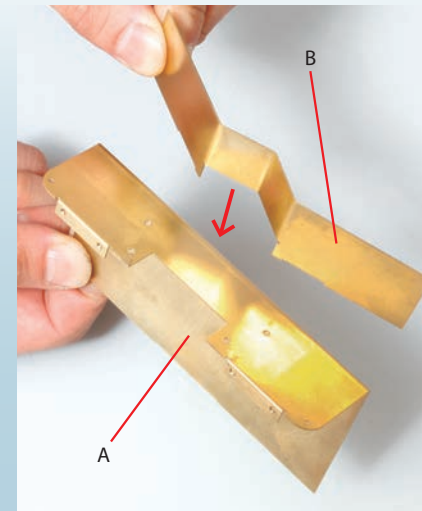
Coal outlet A
Coal outlet B
Screws (2 × 2mm) × 15
Front tender wall A
Front tender wall B
Coal outlet door
Handles × 2

Required tools

Phillips screwdriver
Instant adhesive

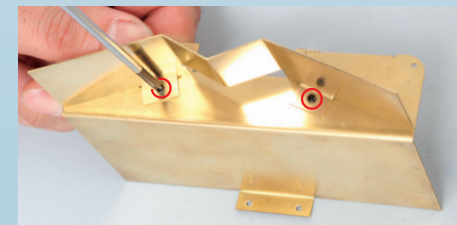
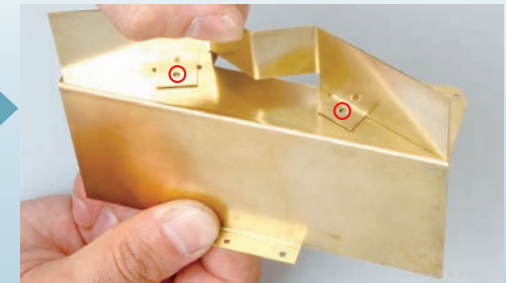
1

Assembling the front tender wall



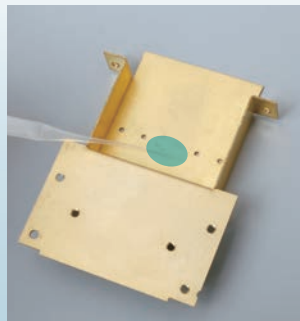
Hold the two front tender wall pieces, as shown above.

Place wall B onto wall A, aligning the circled holes of both.



Tighten a 2 x 2mm screw into both holes.

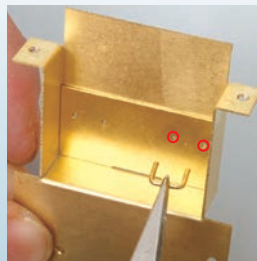
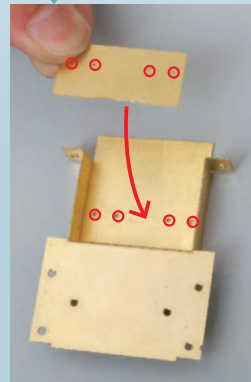
2 Assembling the coal outlet 1



Apply instant adhesive to the highlighted area on coal outlet A.

Place the coal outlet door onto the glued area of outlet A, with the cutout facing down, aligning the four circled holes.

Insert one of the handles into the circled holes in the door.



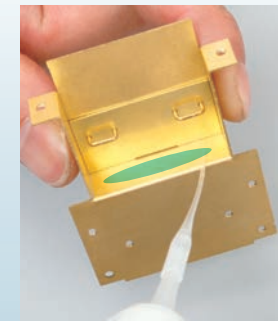
Pull the handle through so that it projects by 2mm from the back, then glue into place.



Now glue the second handle into place.

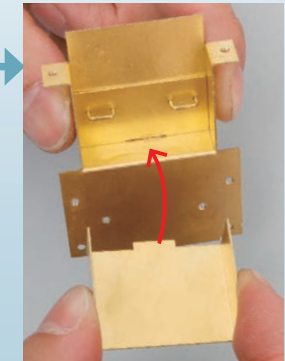


3 Assembling the coal outlet 2



Apply instant adhesive to the highlighted area on coal outlet A.

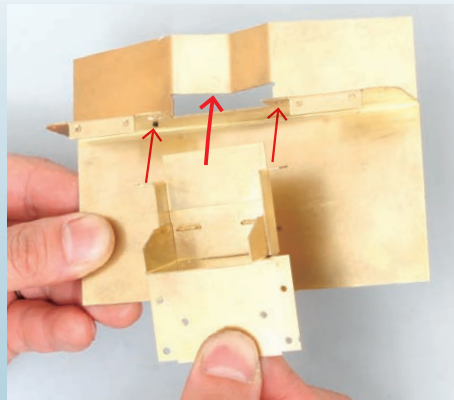
Place coal outlet B onto the glued area of A, inserting the tab into the cutout of the outlet door.



This is how the assembly should now appear.

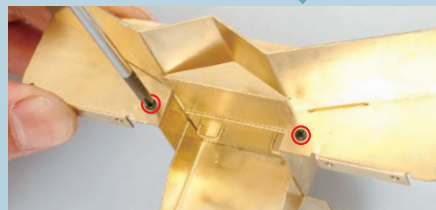


4 Fitting the coal outlet



Place the coal outlet into the cutout at the front of the front tender wall, as shown.

Tighten a 2 x 2mm screw into each hole.

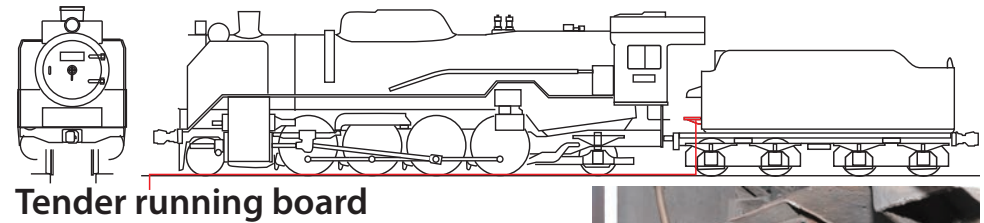


Align the screw holes of the coal outlet with those of the tender wall.

Assembled parts



The tender water intakes, hand brake and running board



Your parts



Hand brake base
Hand brake
Tender running board
Left water intake handles × 2
Right water intake handles × 2
Running board bracket A
Running board bracket B
Running board support
Water intake shafts (short) × 2
Water intake shafts (long) × 2
Hand brake shaft

Water gauge
Water intakes × 2
Screws (2 × 2mm) × 7

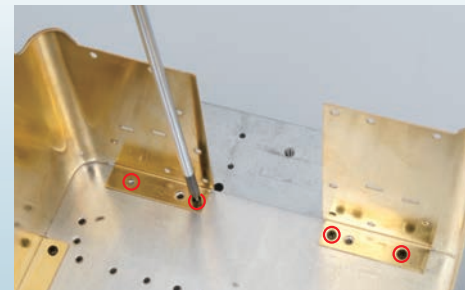
Required tools

Phillips screwdriver
Instant adhesive

1

Fitting the water intakes and hand brake base

152

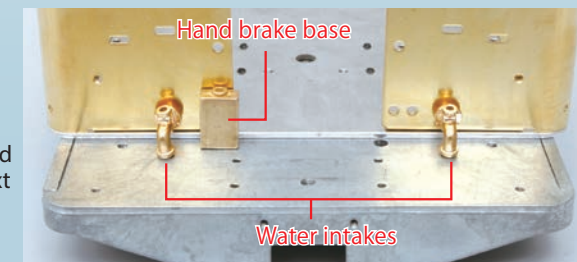


Remove the four screws, installed in Stage 71, from the circled holes.

Slide the tender wall back a bit, and insert the ends of one of the water intakes into the holes in the wall and the tender base.

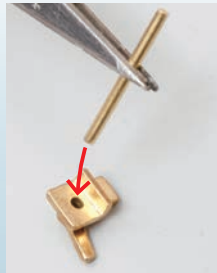


Install the second water intake on the other side of the tender. Then fit the hand brake base in the holes next to the first intake. Once all three pieces are in place, re-fit the screws.



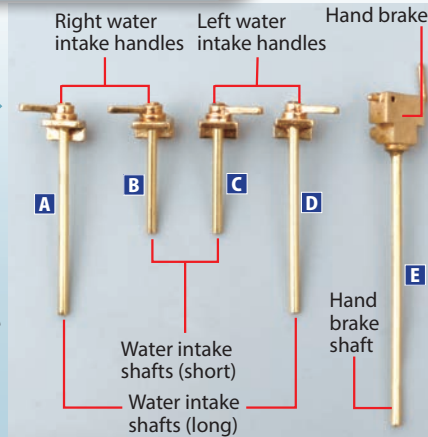
2

Assembling the handles and shafts



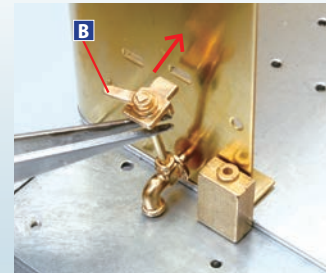
Pour some instant adhesive into the recess in the water intake handle, then place the end of the shaft into the recess.

Following this process, assemble the four water intake handles as shown, and the hand brake (far right).

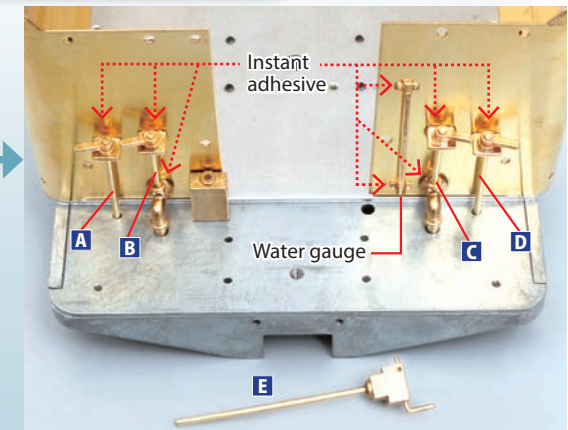


3

Fitting the water intakes



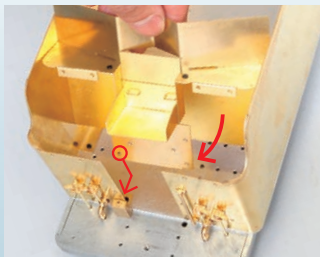
Insert the end of shaft assembly B into the hole at the top of the right water intake, and its handle into the rectangular hole in the wall.



Fit shaft assemblies A, C and D into place in the same way, as well as the water gauge. When you have them all in place, as shown above, apply instant adhesive to the parts from inside the tender, and to the recesses in the water intakes.

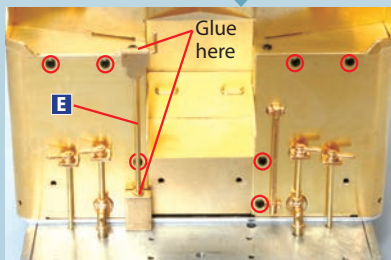
4

Fitting the coal outlet

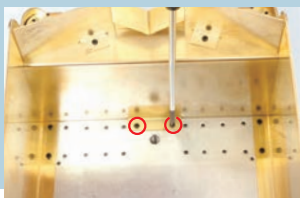


Place the front tender wall, assembled in the previous issue, inside the front of the tender. Make sure the circled hole goes over the projecting part of the hand brake base.

Tighten screws from Stage 73 into the seven circled holes. Glue the hand brake shaft into the hole in the base and the top of the tender wall.



Tighten two screws into the two circled holes on the inside of the front wall.



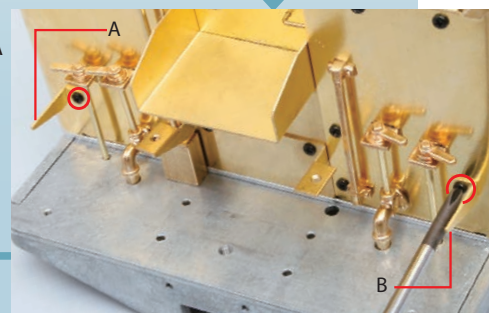
5

Fitting the running board



Screw the running board support into the circled holes in the coal outlet, using 2 x 2mm screws.

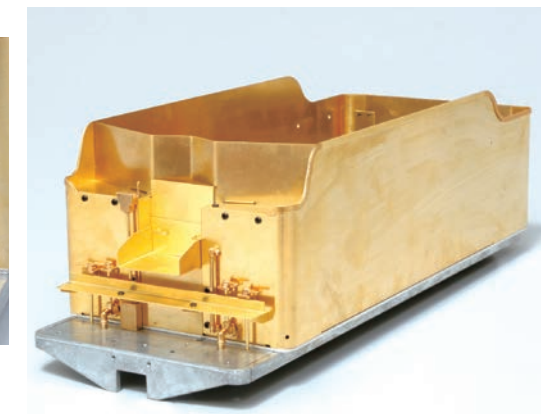
Screw running board brackets A and B into place on the front of the tender, as shown, with the angled edges facing down.



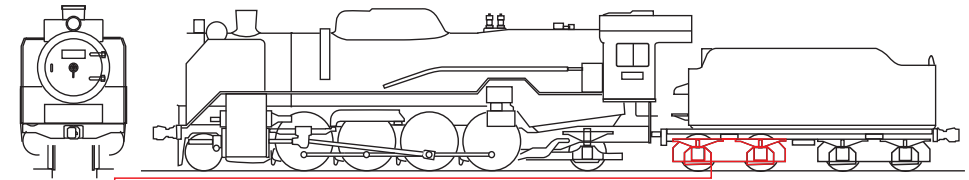
Screw the running board to the brackets, as shown.



Assembled parts



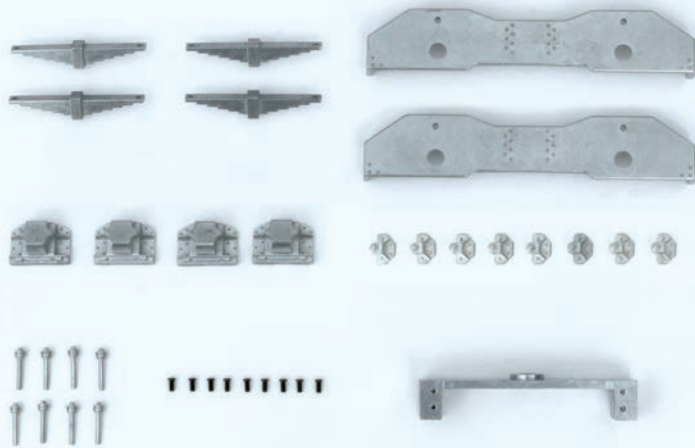
The first tender truck



First tender truck



Your parts



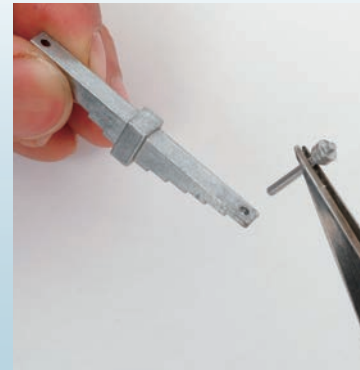
Leaf springs × 4
Truck sides × 2
Axle boxes × 4
Brackets × 8
Screws (2 × 4mm) × 9
Spring pins × 8
Truck mounting frame

Required tools

Phillips screwdriver
Instant adhesive
Contact adhesive

1

Assembling the leaf springs



Insert a spring pin into the hole at one end of a leaf spring.

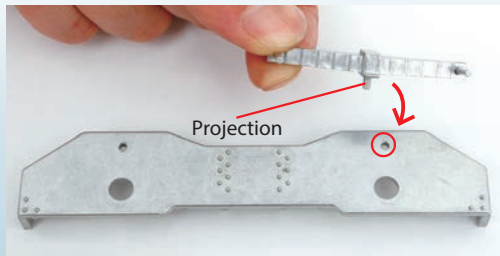


When the pin is fully inserted, apply instant adhesive to the bottom of the hole, as shown.

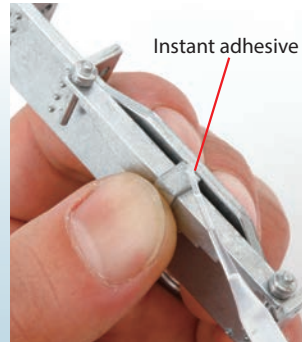


Repeat this process to assemble the four leaf springs.

2 Fitting the leaf springs



Insert the projection on the back of one of the leaf springs into the circled hole in the truck side.



Using instant adhesive, glue the leaf spring to the truck side at the top, while holding it in position.



Then apply instant adhesive to the projection of the leaf spring.

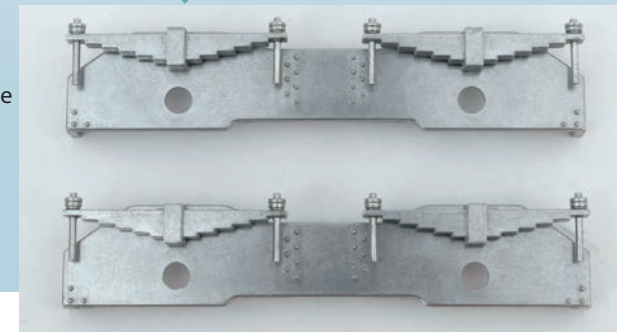
Tip!

You may find that there is sometimes oil or grease on the cast metal parts, which will weaken any adhesive bonds. Prior to assembly, you may want to clean any grease off the parts, to improve the strength of the bonds.

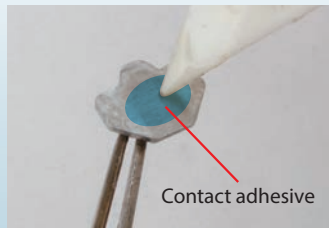


Make sure that the top of the leaf spring is aligned with the top of the truck.

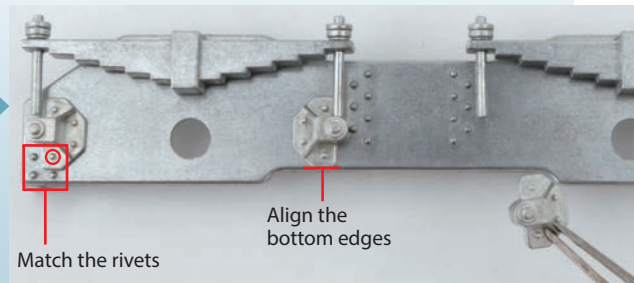
Repeat this process to fit the remaining three leaf springs to the two truck sides.



3 Fitting the brackets

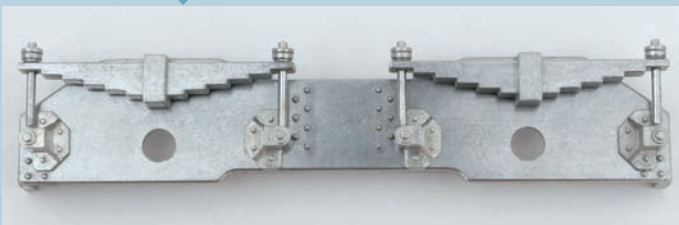


Apply some contact adhesive to the back of one of the brackets.

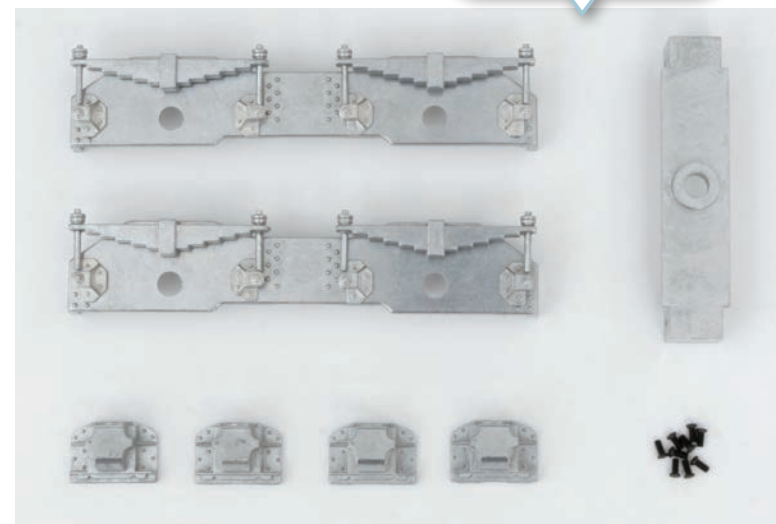


Glue the first two brackets over the first two leaf spring pins, as shown in the photo above.

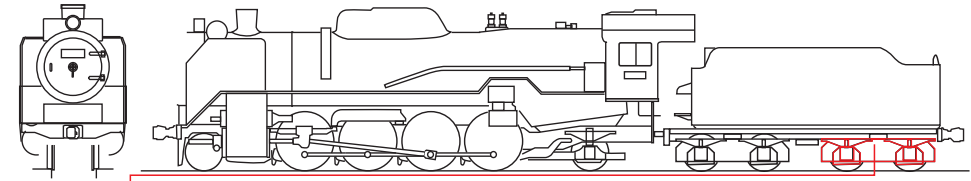
Glue the remaining brackets over the spring pins in the same way. Both truck sides should now look like this.



Assembled parts



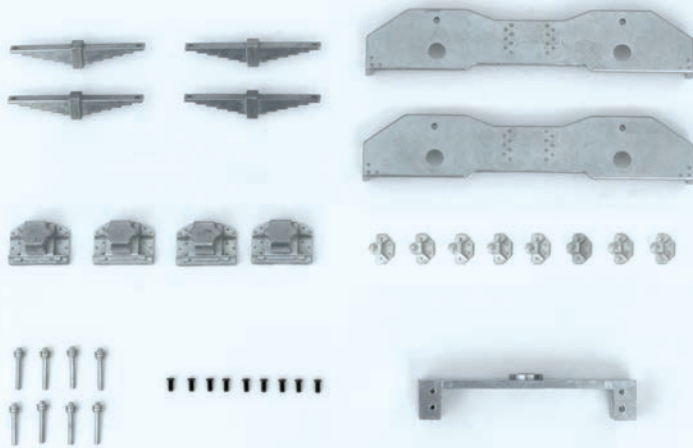
The second tender truck



Second tender truck



Your parts



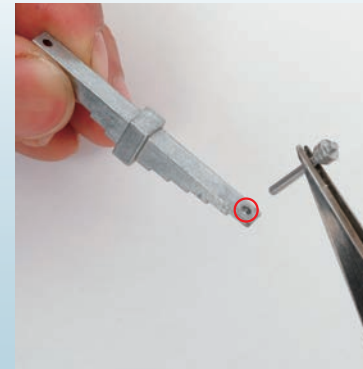
Leaf springs × 4
Truck sides × 2
Axle boxes × 4
Brackets × 8
Screws (2 × 4mm) × 9
Spring pins × 8
Truck mounting frame

Required tools

Phillips screwdriver
Instant adhesive
Contact adhesive

1

Assembling the leaf springs



Insert a spring pin into the hole at one end of a leaf spring.

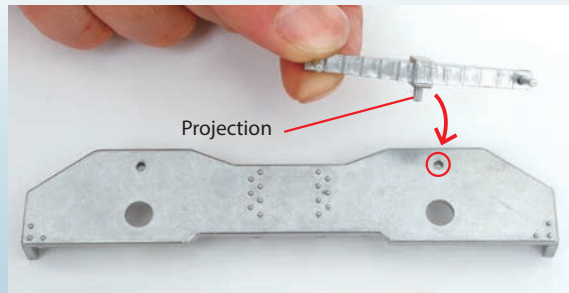


When the pin is fully inserted, apply instant adhesive to the bottom of the hole, as shown.



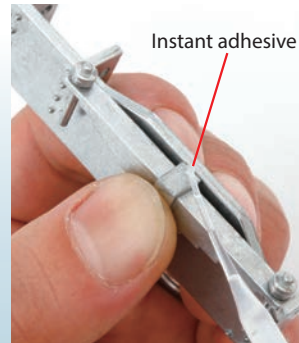
Repeat this process to assemble the four leaf springs.

2 Fitting the leaf springs



Insert the projection on the back of one of the leaf springs into the circled hole in the truck side.

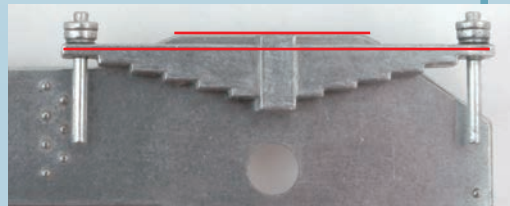
Make sure that the top of the leaf spring is aligned with the top of the truck.



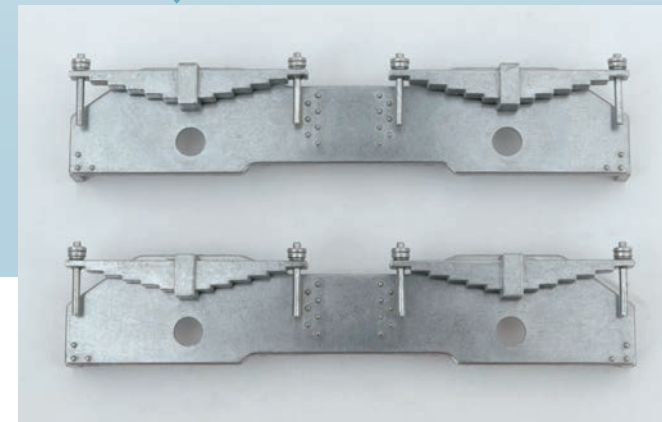
Using instant adhesive, glue the leaf spring to the truck side at the top, while holding it in position.



Then apply instant adhesive to the projection of the leaf spring.



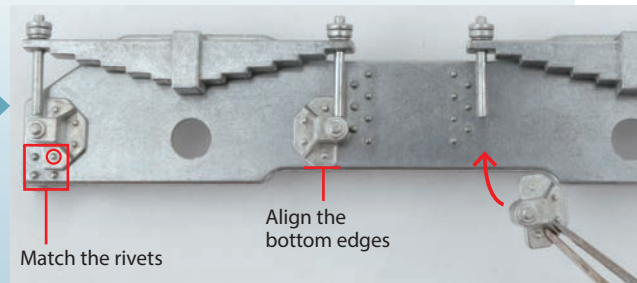
Repeat this process to fit the remaining three leaf springs to the two truck sides.



3 Fitting the brackets

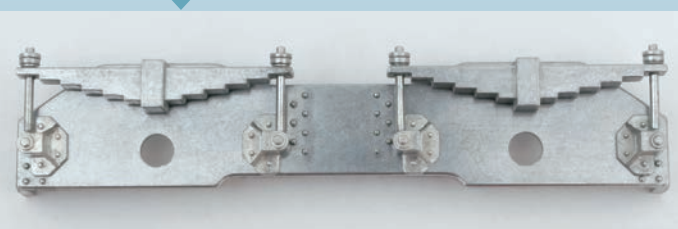


Apply some contact adhesive to the back of one of the brackets.



Glue the first two brackets over the first two leaf spring pins, as shown in the photo above.

Glue the remaining brackets over the spring pins in the same way. Both truck sides should now look like this.



Assembled parts

