

Build the
C57 Steam
Locomotive

Pack 11

DEAGOSTINI
MODEL SPACE™



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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.

Detailing the tender 4

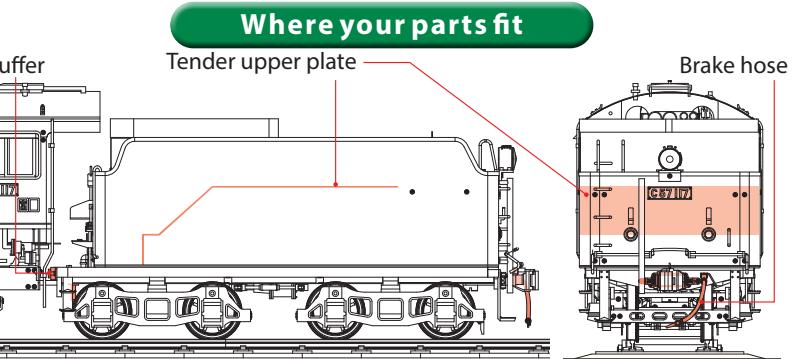
Your parts



Tender upper plate
Buffer
Coupling buffer
Brake hose
Drawbar pin
Screws (2 x 4mm) x 7

Tools

Phillips screwdriver
Synthetic rubber adhesive (SRA)
Tweezers
Pliers



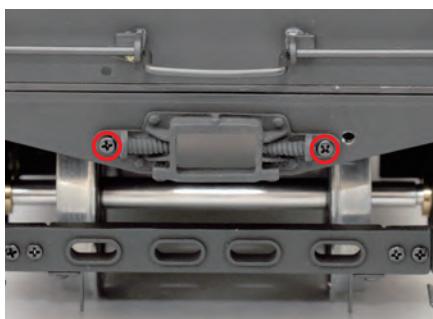
1



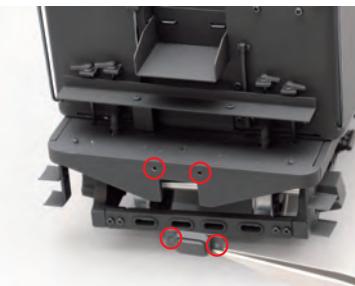
Familiarise yourself with the coupling buffer using the photo above as a guide.



Line the part up to the circled holes at the rear of the tender.



Use two 2 x 4mm screws to secure it.

2

Now line up the buffer to the circled holes at the front of the tender. It does not matter which way round it goes.



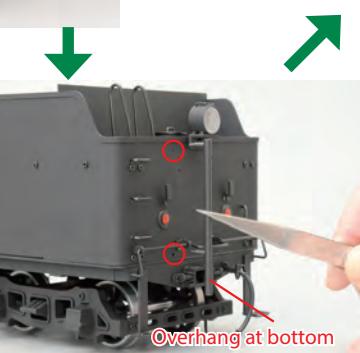
Use two more 2 x 4mm screws to secure the buffer to the tender.

3

Fit the brake hose, positioned as shown on the rear of the tender, into the circled hole and secure with SRA.

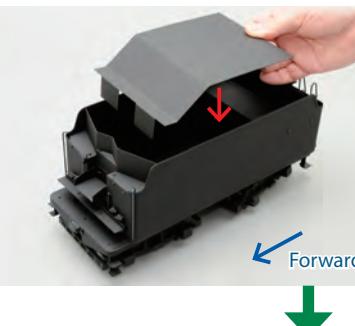


Your assembly should look like this.

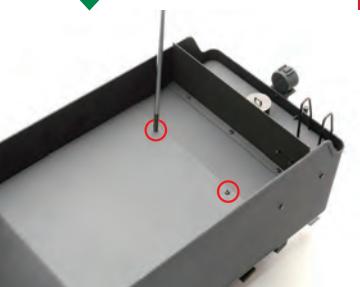


Now take the overflow pipe from Stage 81 and use SRA to secure it via the two circled holes.

Once everything is in place, reinforce the brake hose from the back, using instant adhesive.

**4**

Lower the tender upper plate into the top of the tender, as shown.



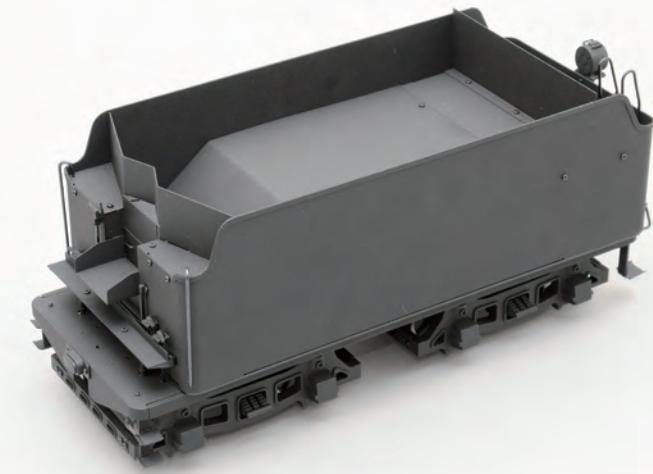
Use two 2 x 4mm screws to secure the upper plate to the tender via the circled holes.

5

Turn the tender upside down and fit the drawbar pin into the circled hole using tweezers. You can remove the front truck to make this easier.

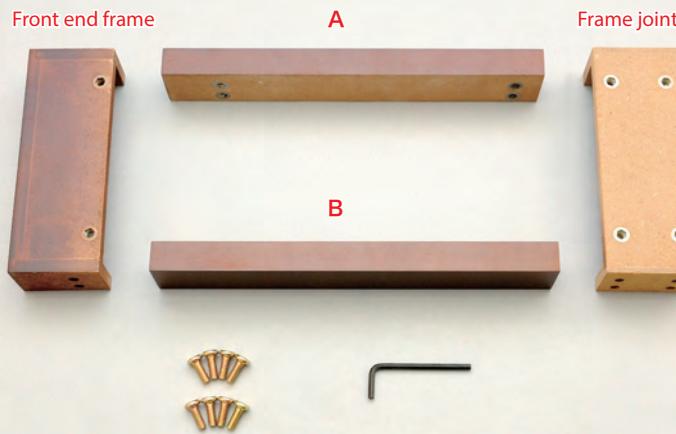


Use pliers to tighten the pin into place.

Complete

The base 1

Your parts



Front end frame
Side frame A
Side frame B
Frame joint
Cap bolts x 8
Hex wrench

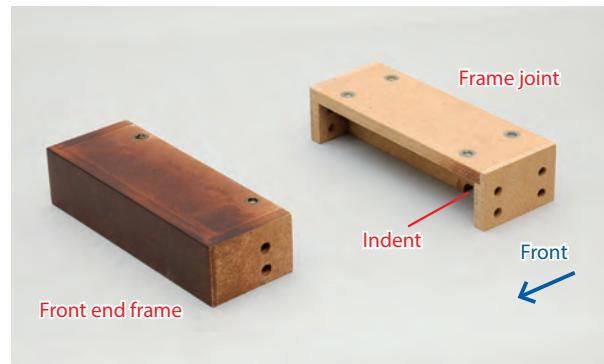
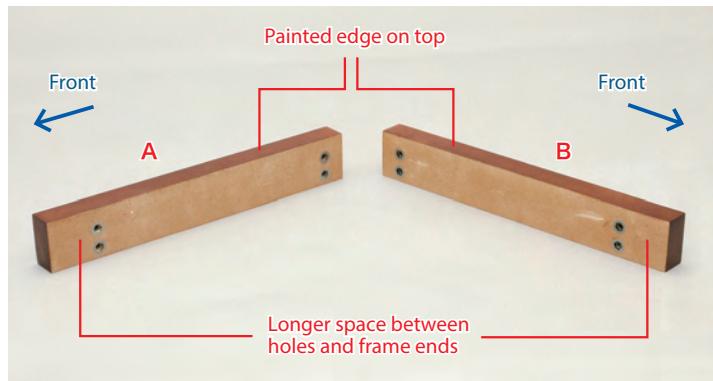
Tools
Hex wrench

Where your parts fit



1

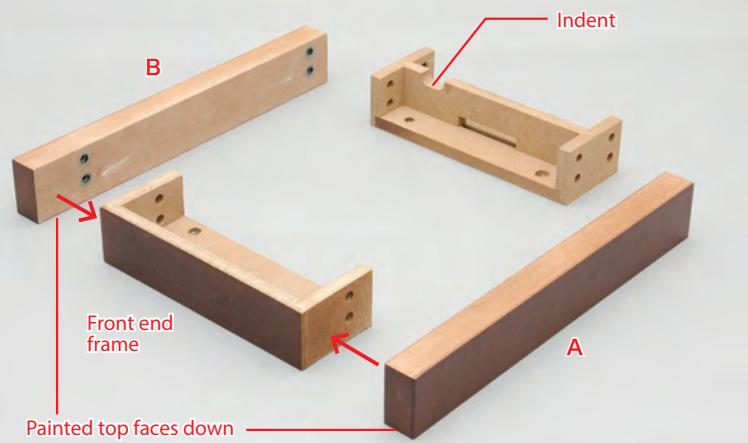
Familiarise yourself with side frames A and B.



Now do the same for the front end frame and frame joint.

2

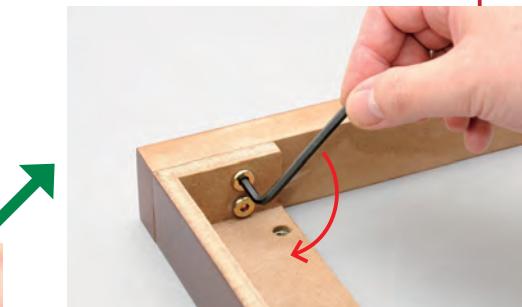
All parts upside down



Lay out all four parts as shown above.

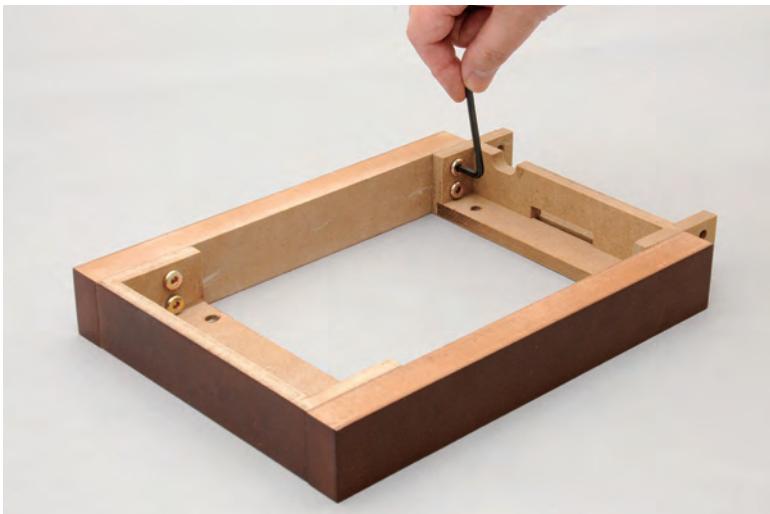
3

Line up the holes at each joint, and insert a cap bolt into each.

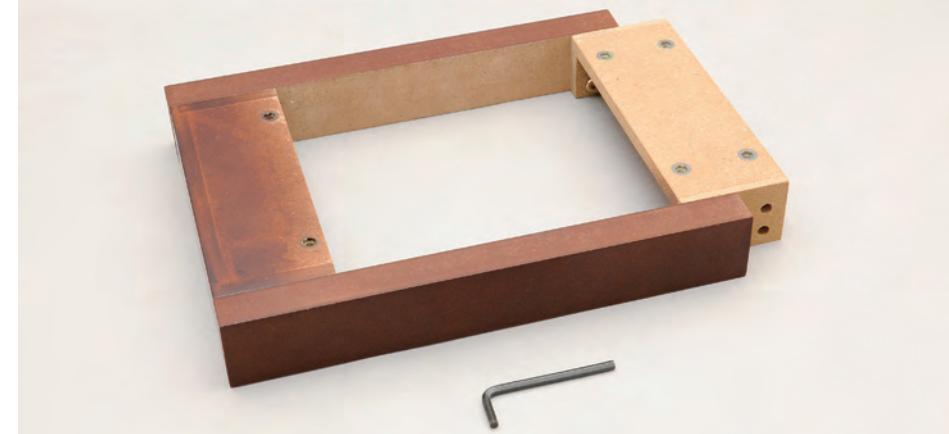


Then use the hex wrench to further tighten the bolts – but only lightly at this stage to allow room for adjustment.

Tighten the cap bolts by hand, as far as you can.

4

Lay the base face down on a flat surface to ensure all the holes are aligned, then secure the frame joint with four half-tightened cap bolts.

Complete

The base 2

Your parts



Frame joint
Side frame C
Side frame D
Rear end frame
Hex bolts x 8

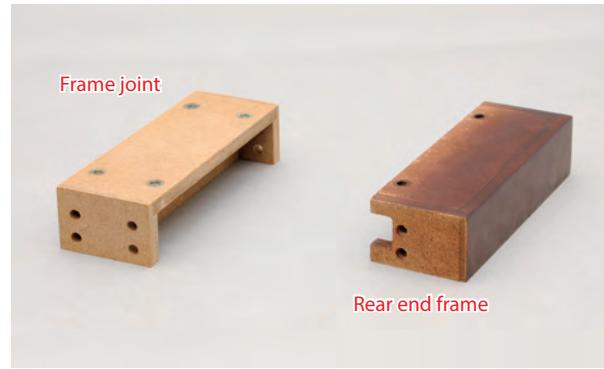
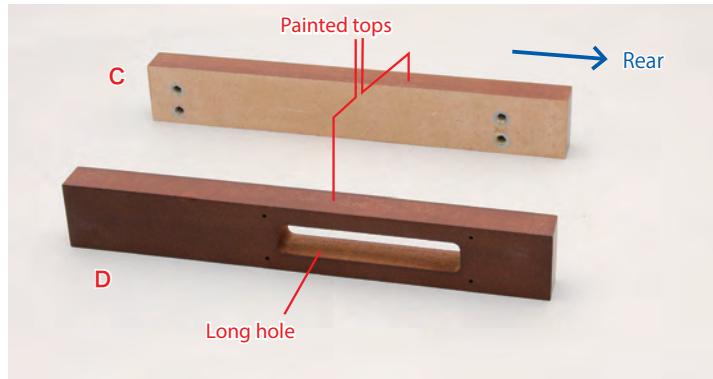
Tools
Hex wrench

Where your parts fit



1

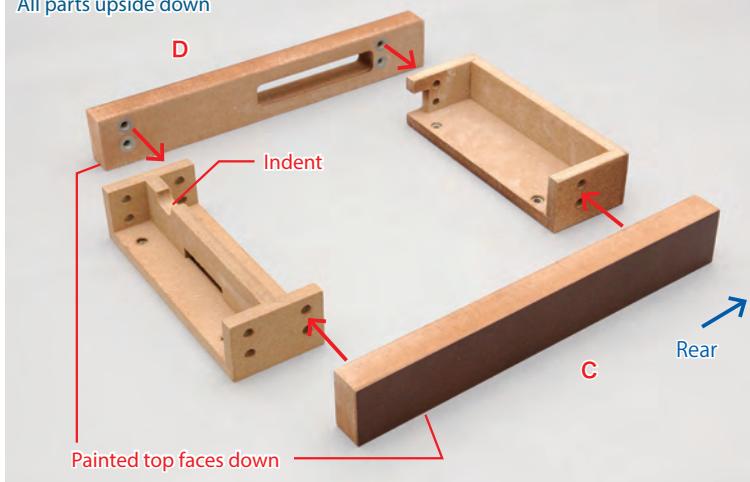
Note the difference between the side frames C and D – there is a long hole in D.



Now do the same for the rear end frame and frame joint.

2

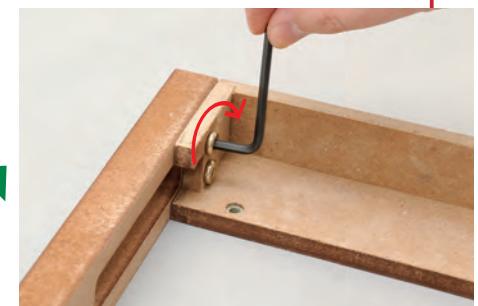
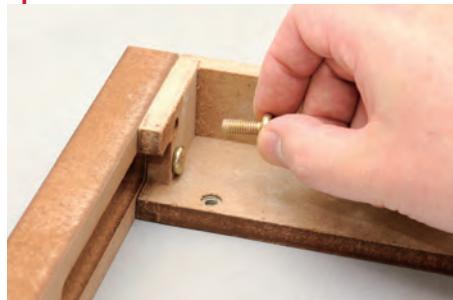
All parts upside down



Lay out all four parts as shown above.

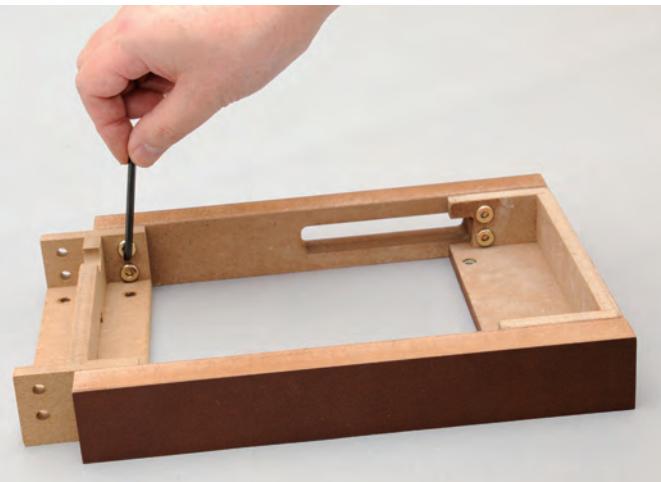
3

Line up the holes at each joint, and insert a cap bolt into each.



Then use the hex wrench to further tighten the bolts – but only lightly at this stage to allow room for adjustment later.

Tighten the cap bolts by hand, as far as you can.

4

Lay the base face down on a flat surface to ensure all the holes are aligned, then secure the frame joint with four half-tightened cap bolts.

Complete

The base 3

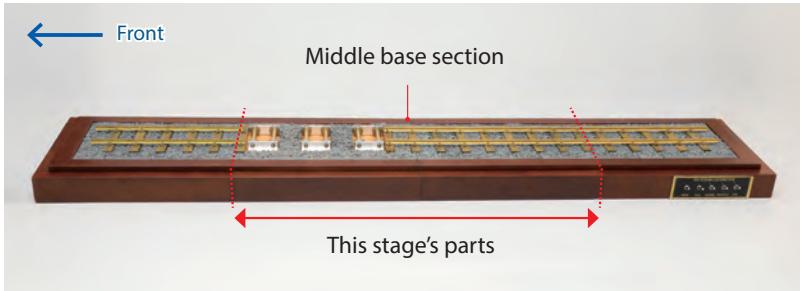
Your parts



Side frames E x 3
Frame joint
Side frame F
Cap bolts x 16

Tools
Hex wrench

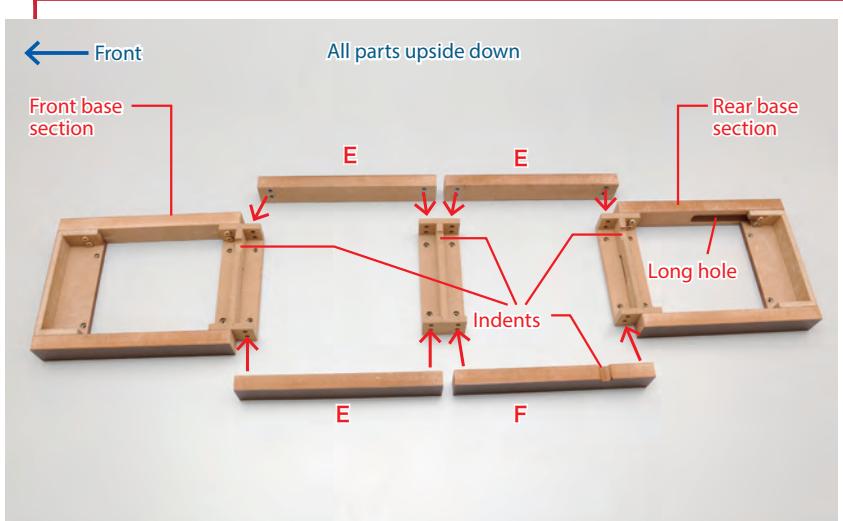
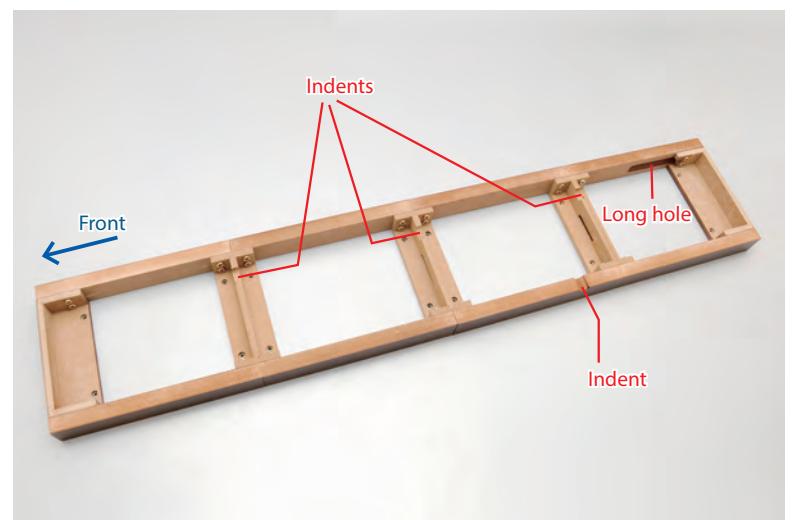
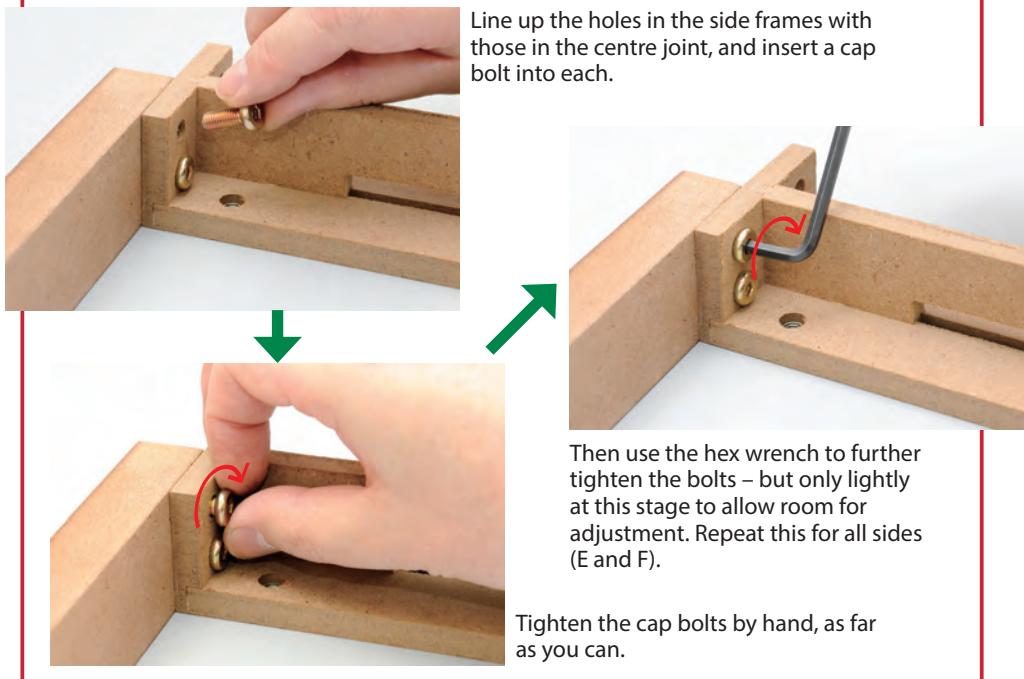
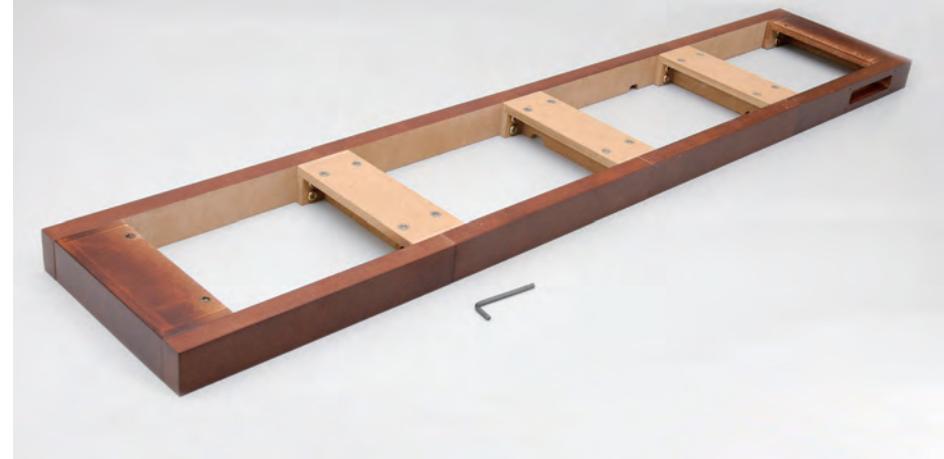
Where your parts fit



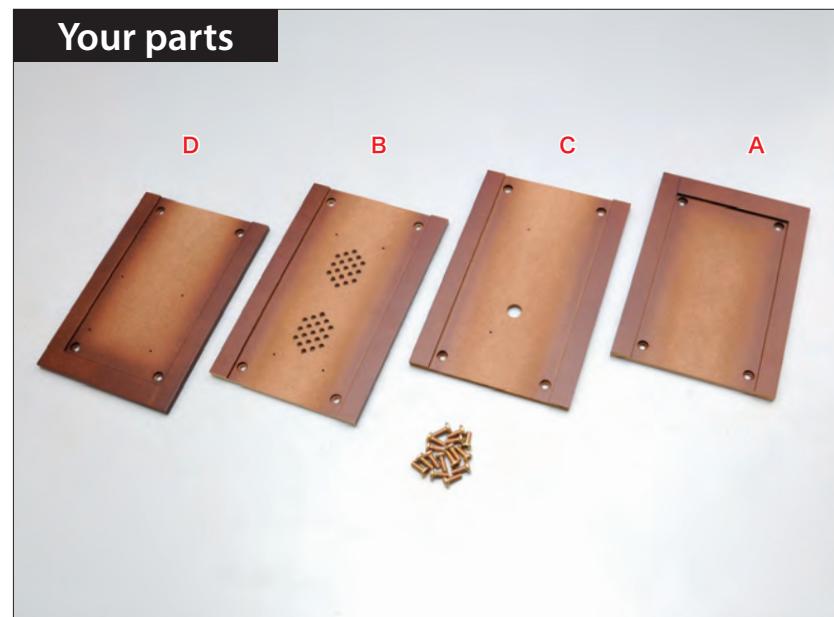
1



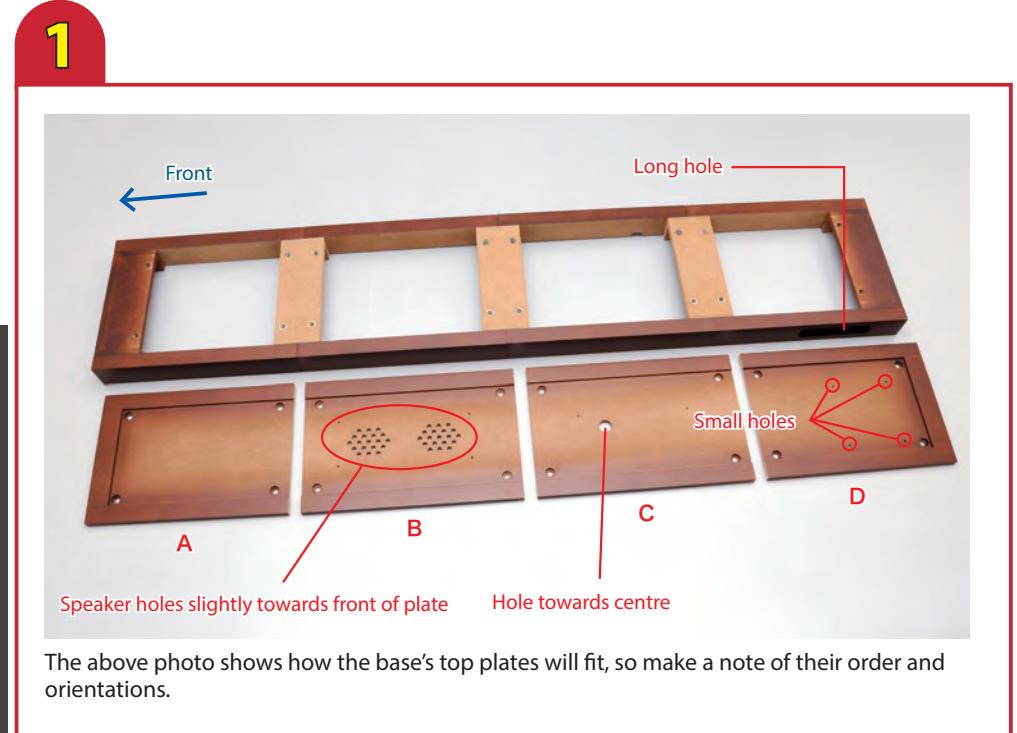
Note the difference between the three side frames E and the single F. There is an indent cut into frame F.

2**4****3****Complete**

The base top

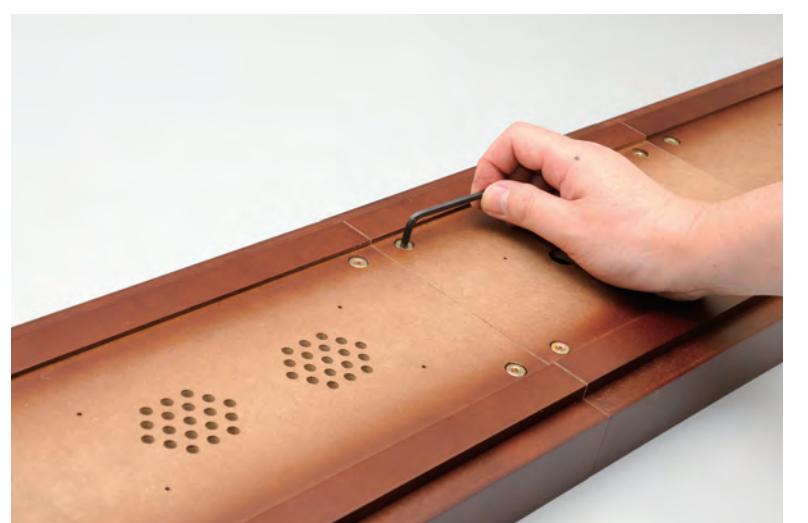


Top plate A	Tools
Top plate B	
Top plate C	
Top plate D	
Cap bolts x 16	

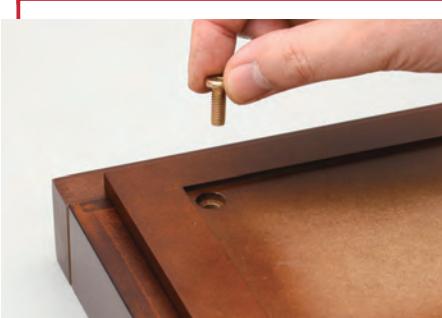


2

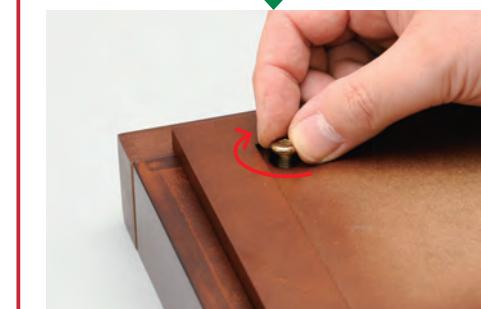
Each top plate has four bolt holes that will match up to those on the frames, as shown. Lay these plates out now.

4

Fit all 16 cap bolts by hand and then fully tighten once all are in place to secure the top plates.

3

Fit the cap bolts by hand.



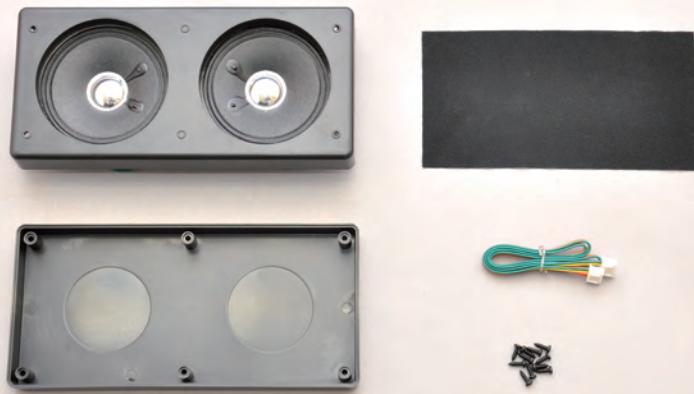
Then continue tightening with the hex wrench, but not fully.

Tighten by hand as far as you can.

**Complete**

The speaker

Your parts

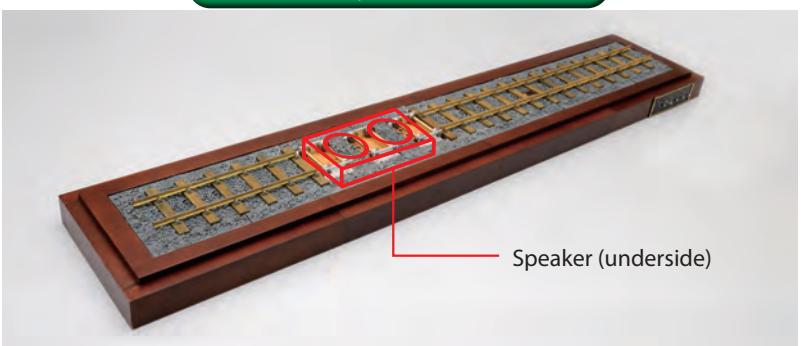


Speaker
Speaker cover
Speaker protector
Speaker cable
Speaker screws x 11

Tools

Tweezers

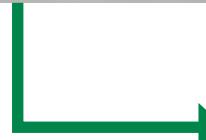
Where your parts fit



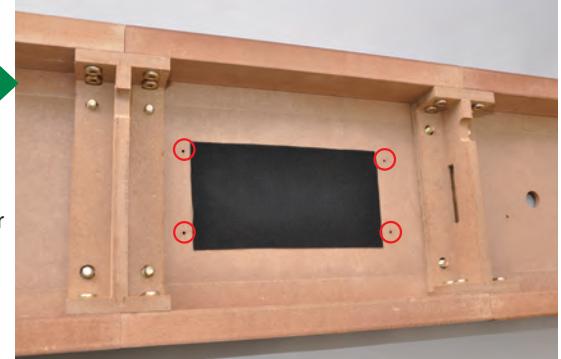
1



Turn the base upside down and locate the speaker holes.

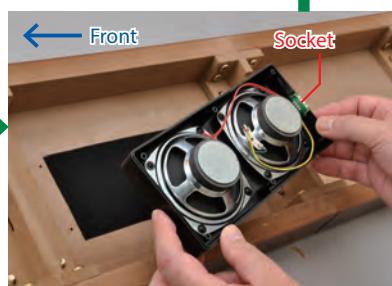


Place the speaker protector onto the base so it covers the speaker holes, but not the four circled ones. Smooth any wrinkles out.



2

Use tweezers to slot the speaker's circuit board into the mount at the end of the speaker housing.



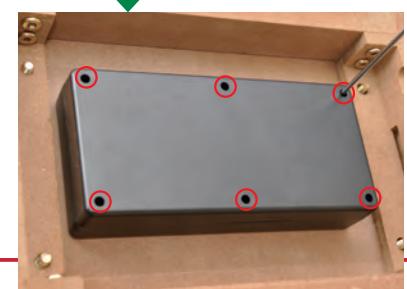
Lay the speaker down over the protector, so that the four holes at the edges match those in the plate.



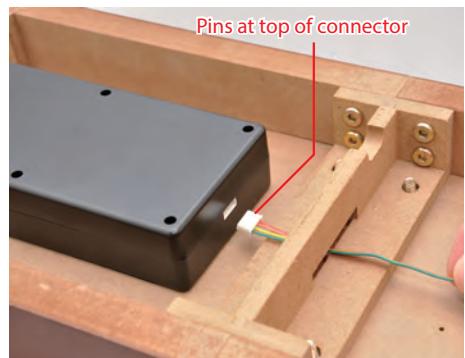
Use four of the speaker screws to secure it.

3

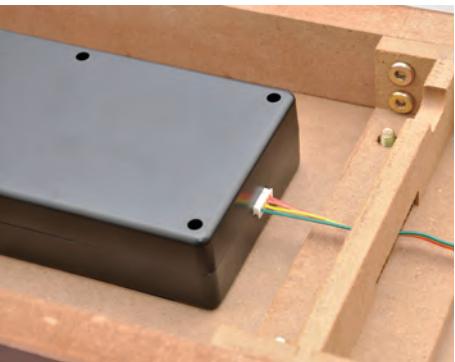
Lower the speaker cover onto the speaker. It does not matter which way round it goes, but be careful not to trap any wiring.



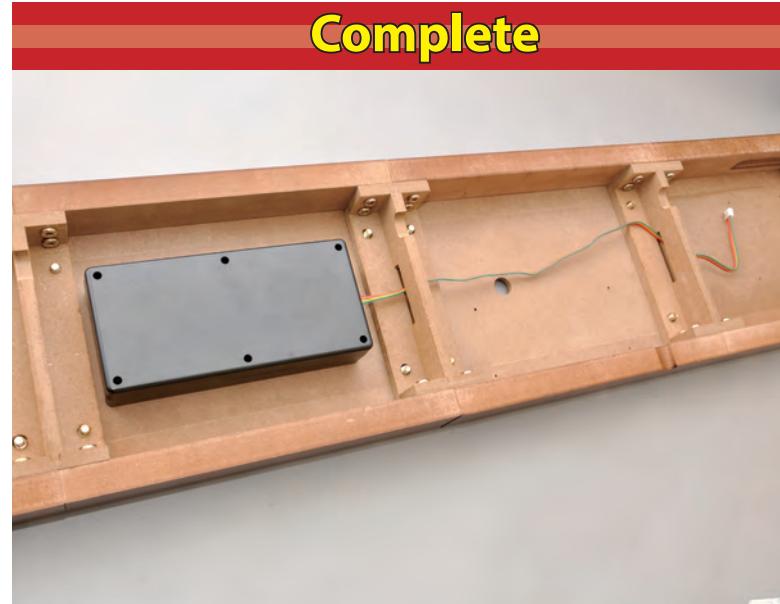
Secure the cover with six more speaker screws.

4

Feed the speaker cable through the slot in the frame joint, then plug its connector into the socket.

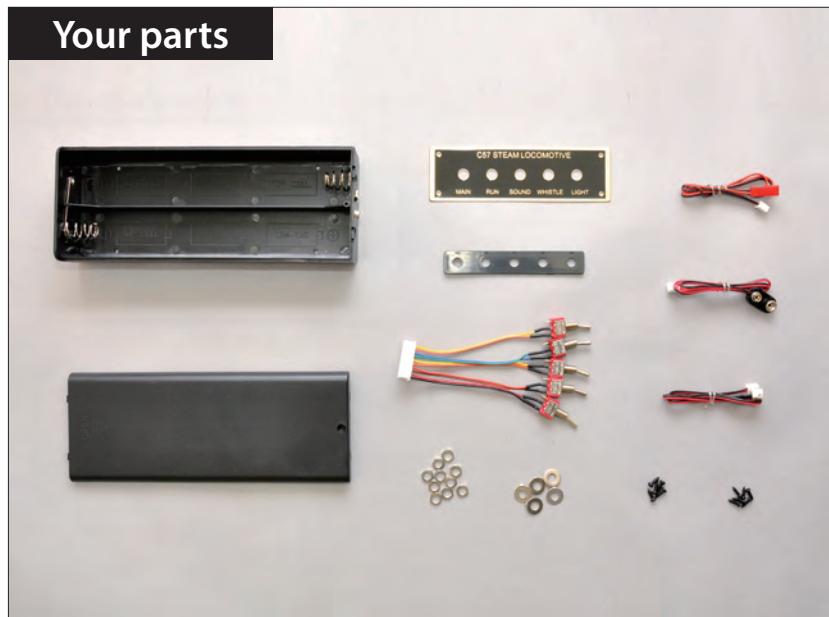


Make sure the part is fitted securely.

Complete

The switchboard and battery box

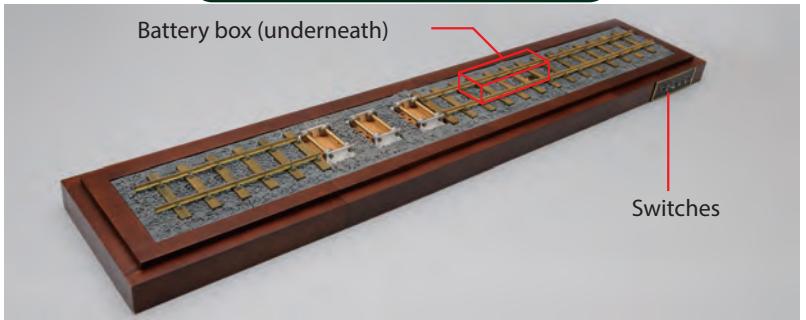
Your parts



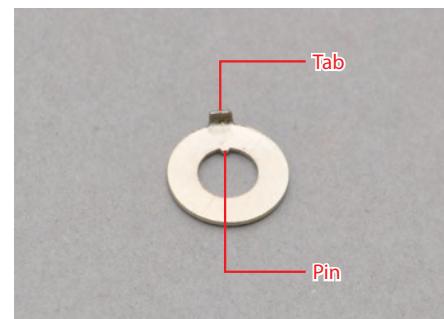
Battery box
 Battery box cover
 Switchplate
 Switchboard
 Switches
 Motor cable
 Battery cable
 Light cable
 Hex nuts x 10
 Washers x 5
 Screws (2.6 x 8mm) x 5
 Screws (2.3 x 8mm) x 6

Tools
Tweezers
Phillips screwdriver
Pliers
(Optional) Synthetic rubber adhesive (SRA)

Where your parts fit



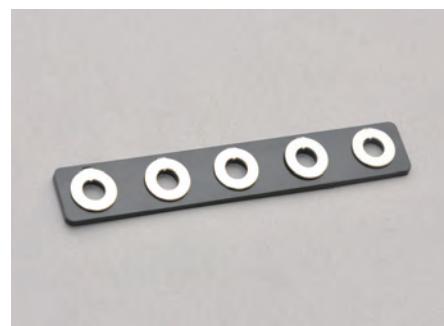
1



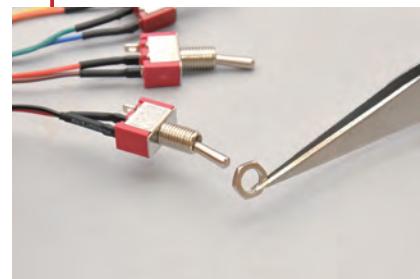
Locate the pin and tab on each washer before you use it.



Lay the switchboard with its flat face down, then fit the washers to it as shown above.



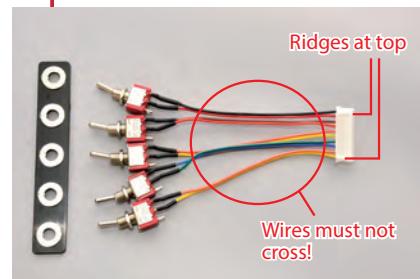
There is no need to fully adhere the washers, but a dot of SRA will help hold them in place for the rest of the assembly.

2

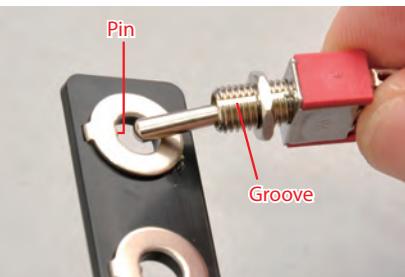
Fit a hex nut over each of the switches.



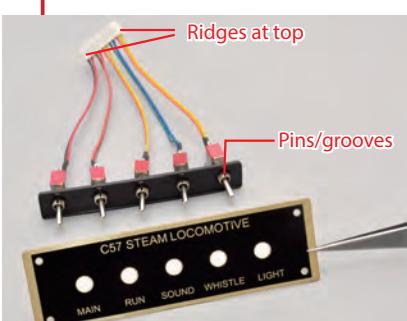
Turn the nuts onto the threaded part of the switches to about two thirds of the way in.



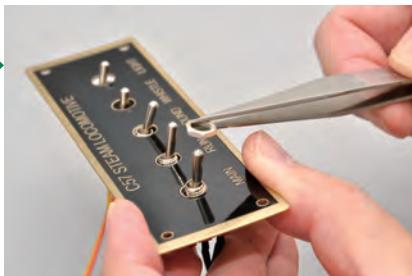
Lay the switches out by the switchboard, as shown – none of the wires should cross. The ridges on the connector block should be positioned at the top.



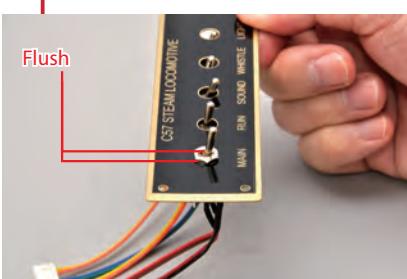
Fit the switches into the washers, one by one. The grooves through the threaded section of the switches and the pin on the washers will orient the parts.

3

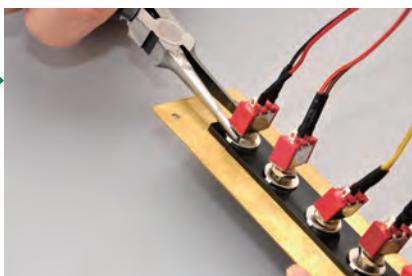
Now line up the switches, with the pin/groove side facing up, to the switchplate, as shown.



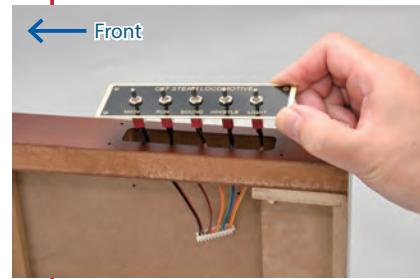
Hold the parts together, then place a hex nut onto the thread of the first switch.



Turn the hex nut until the end of the threaded part of the switch is flush with it.



Tighten the rear hex nut until the switch is held securely in place. Then repeat for the other four switches.

4

Now fit the switchplate to the long rectangular hole in the side of the base, as shown.

Use four of the smaller screws (2.3 x 8mm) to secure the plate.

**Complete**

The sound effects generator

Your parts



Sound effects generator
Generator screws x 5

Tools

Phillips screwdriver

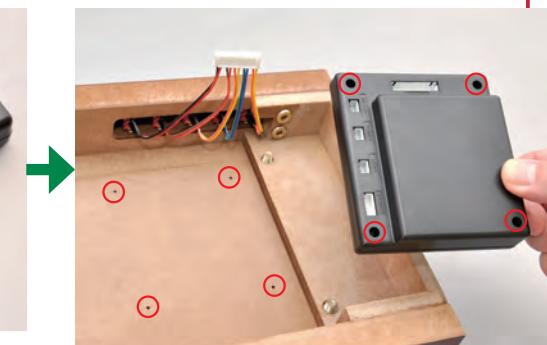
Where your parts fit



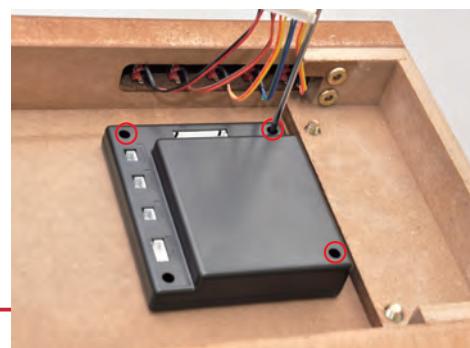
1



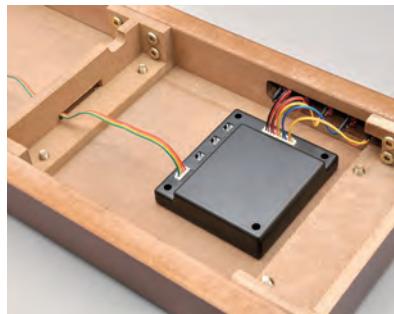
The sound effects generator has five sockets, which are labelled in English.



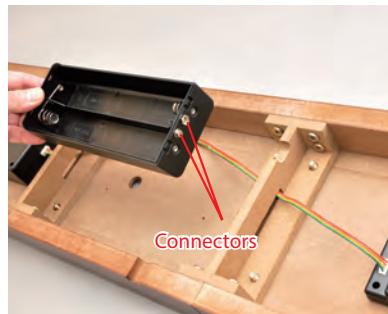
Line the generator up to the circled holes on the underside of the base.



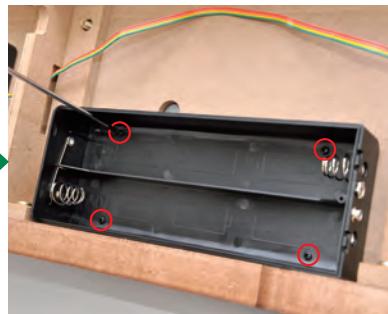
Secure the generator with four screws.

2

Take the wide connector leading from the switches and fit it into the socket marked SWITCHES. Then take the smaller connector leading from the speaker and plug it into the socket marked SPEAKER.

3

Now take Stage 89's battery box and, making sure its connectors are facing towards the generator, lower it into the base.



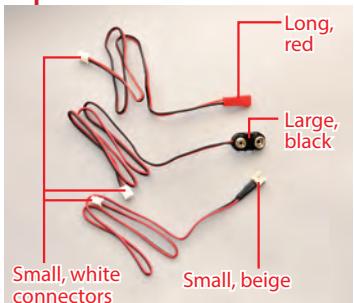
Fetch the 2.6 x 8mm screws from Stage 89, and use them to affix the battery box.



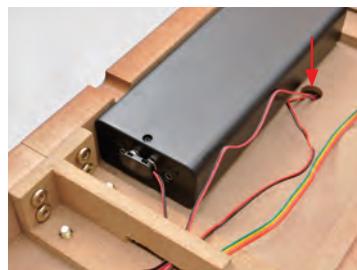
Now use the smaller-headed 2.3 x 8mm) screws from Stage 89 to secure the lid.

Battery box position

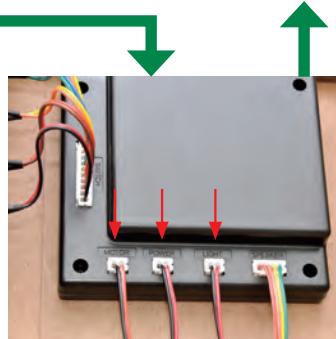
The battery box is hidden on the underside of the base, but if you'd rather have it more readily accessible, you can leave it unattached, with the wires tracing through the notch indicated below.

**4**

Use the photo to differentiate between the three cables supplied with Stage 89. Top to bottom, these are the motor cable, battery cable and light cable.



Plug the small white connectors of each into their relevant, marked sockets on the sound effects generator.



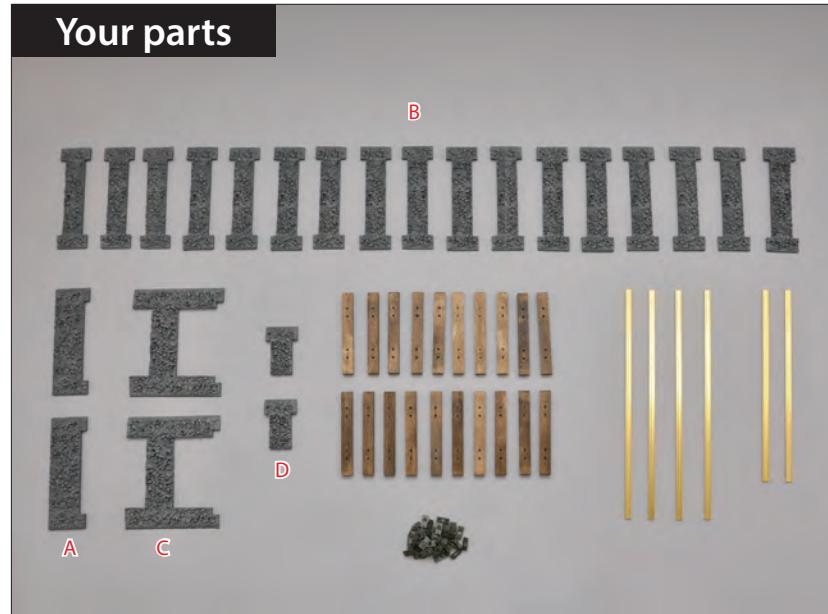
Now feed the cables' other ends through the slot in the frame joint. The battery cable's black connector can be fitted to the connectors on the battery box, while the other two should be fed through the indicated hole in the top of the base.

Complete



The track

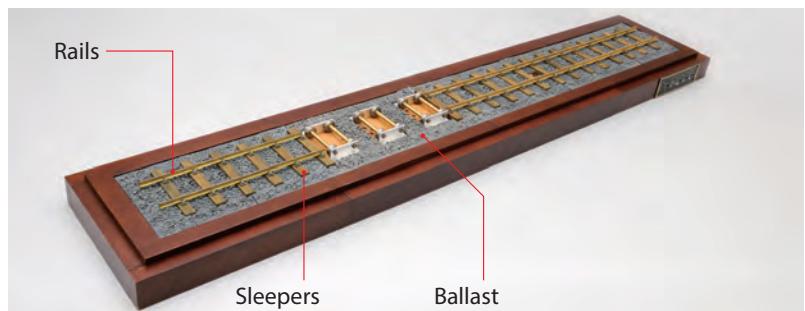
Your parts



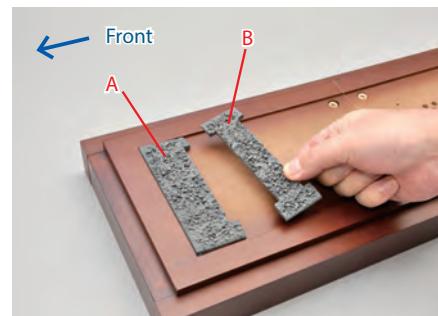
Ballasts A x 2
 Ballasts B x 17
 Ballasts C x 2
 Ballasts D x 2
 Sleepers x 20
 Rail fasteners x 42
 Long rails x 4
 Short rails x 2

Tools

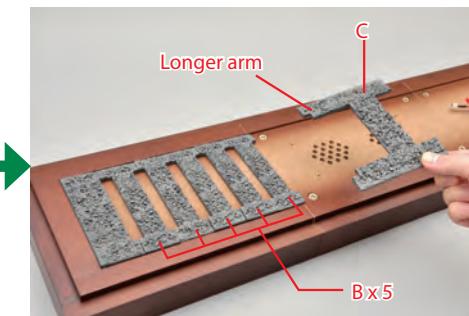
Where your parts fit



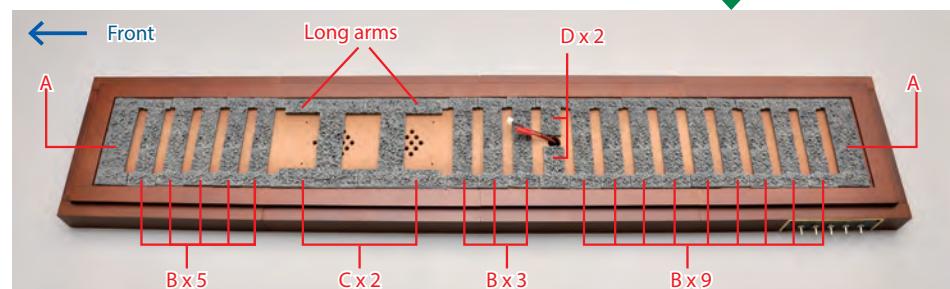
1



Lay a ballast A at the front end of the base, then place a ballast B next to it.



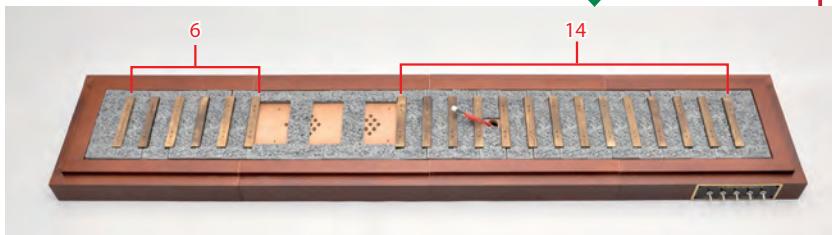
Lay four more ballasts B (making five in total), then place a ballast C, as shown.



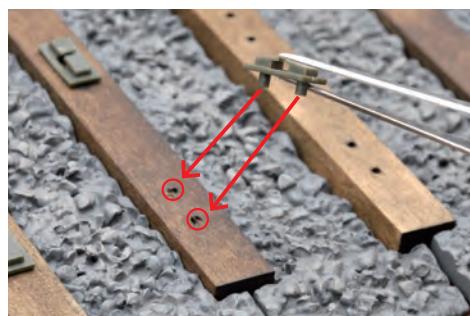
Now lay all the remaining ballasts, using the photo above as a guide.

2

Lay the first sleepers into the gaps between the ballast pieces, starting at the front. It does not matter which way round the parts go.



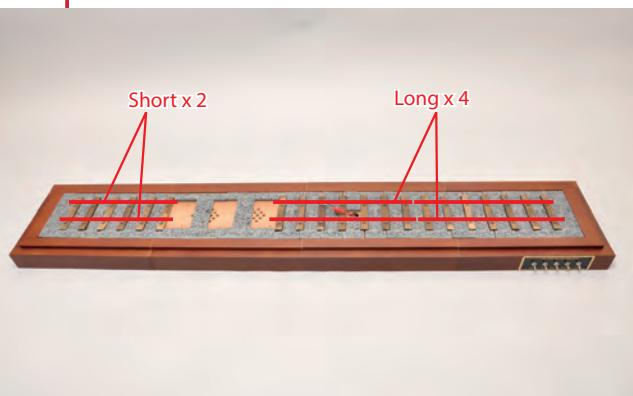
Lay six at the front, and 14 at the rear, in each of the thinner ballast holes.

3

Now begin fitting the rail fasteners. Each one has two pins on its underside, which will fit into the sleepers' holes, as shown.



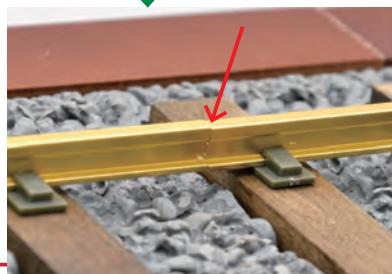
Fit all the fasteners.

4

The above photo shows where the long and short rails will go.



The rails will be fitted by sliding them through the fasteners, one by one.



Do this for all the rails, making sure there is no visible gap where the paired longer rails meet.

Complete