## **LONDON TRANSPORT**

## **ROUTEMASTER BUS**

RM 857



## Pack 07

#### BUILD INSTRUCTIONS

STAGE 61: FITTING THE BONNET

STAGE 62: FITTING THE LOWER DECK TO THE CHASSIS

STAGE 63: FITTING THE PLATFORM AND **CONNECTING CABLES** 

STAGE 64: SEATING FOR THE UPPER DECK (1)

STAGE 66: REAR SEATS FOR THE UPPER DECK

STAGE 67: FITTING THE REAR SEATS TO THE UPPER DECK

**STAGE 68: CENTRAL SEATING ON** THE UPPER DECK

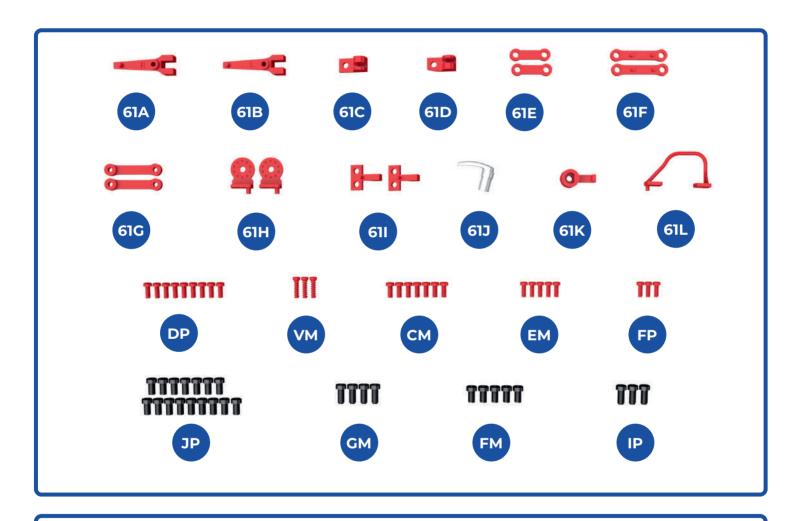
STAGE 69: FRONT SEATING ON THE UPPER DECK

STAGE 65: SEATING FOR THE UPPER DECK (2) STAGE 70: LOWER DECK CEILING FRAMEWORK



## STAGE 61 FITTING THE BONNET

In this stage we supply parts and instructions for fitting the bonnet. There are a lot of extra screws supplied with this stage. They will be used in the next two stages, when we go on to fit the lower deck to the chassis and the platform and stairs to the rear of the lower deck.



KEY TO PARTS SUPPLIED				
61A	Right hinge bar	<b>61</b> J	Bonnet lock	DP
61B	Left hinge bar	61K	Latch	VM

611

Hinge bracket (x2)

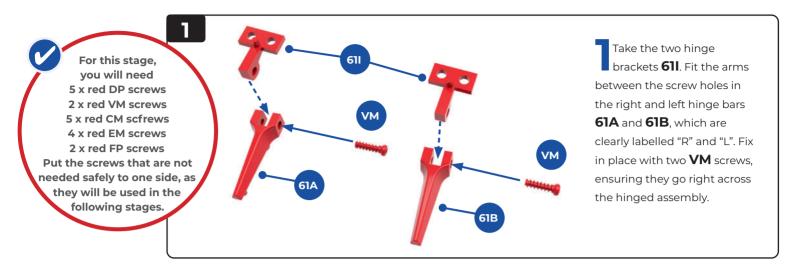
61C 61L CM Right friction hinge bracket Latch striker 1.7 x 4mm (x7 red) 61D EM Left friction hinge bracket 1.5 x 4mm (x5 red) FP **61E** Friction hinge link (x2) 1.5 x 4mm (x3 red) 61F Friction hinge link (x2) JP 2.3 x 4mm (x16) **61G** GM Friction hinge link (x2) 2.3 x 5mm (x4) **61H FM** Friction hinge bracket (x2) 2.3 x 4mm (x5)

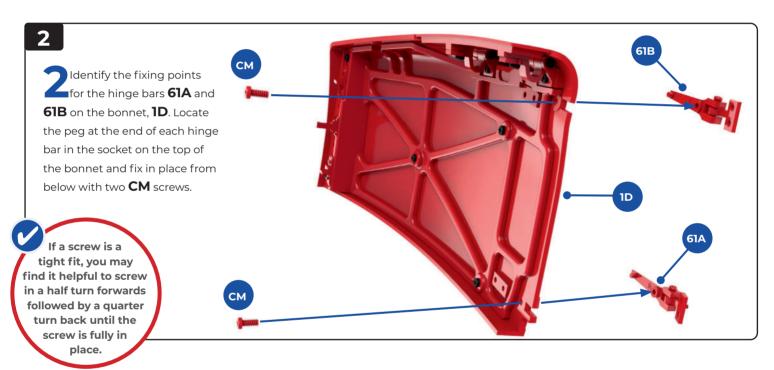
AGORAMODELS 2 ROUTEMASTER BUS

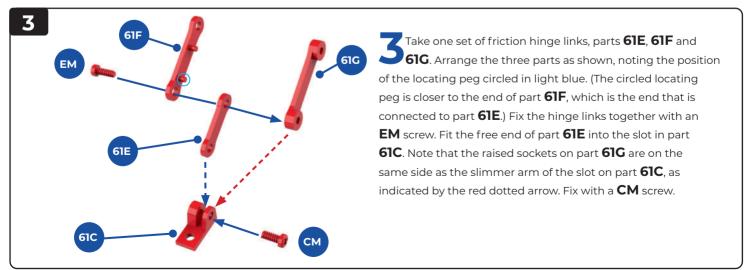
1.7 x 4mm (x9 red) 1.7 x 6mm (x3 red)

2.3 x 5mm (x3)

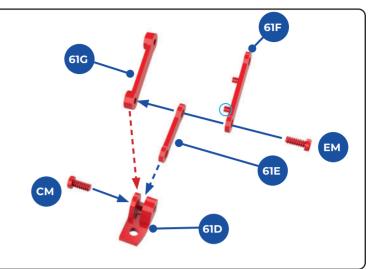
IP



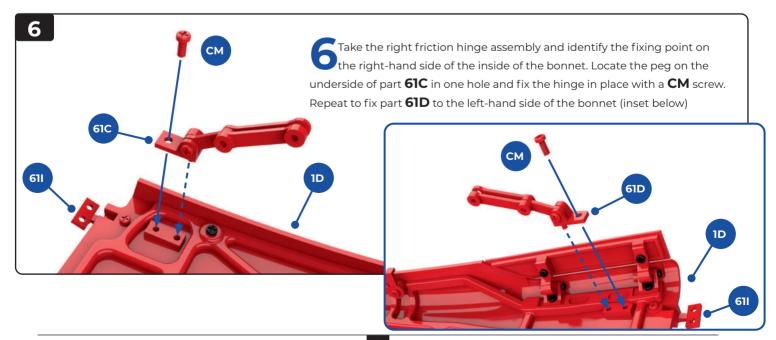


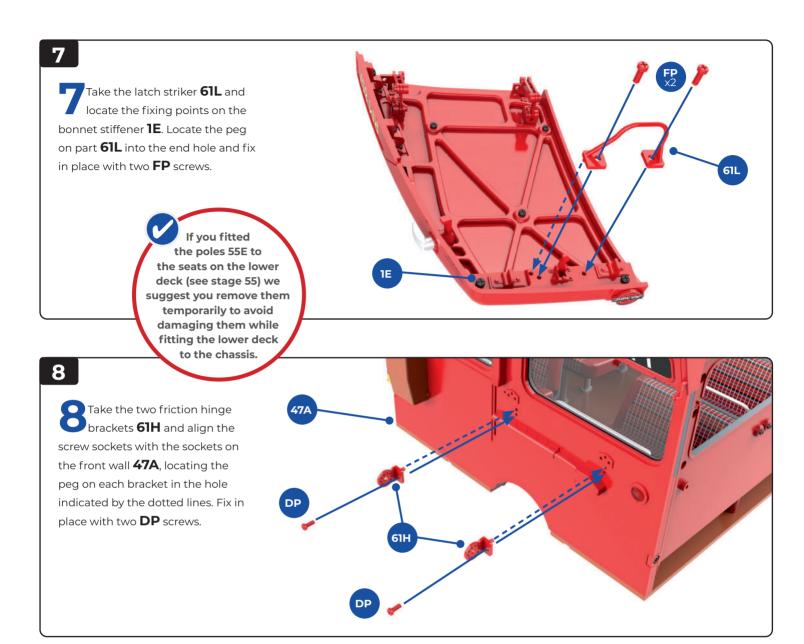


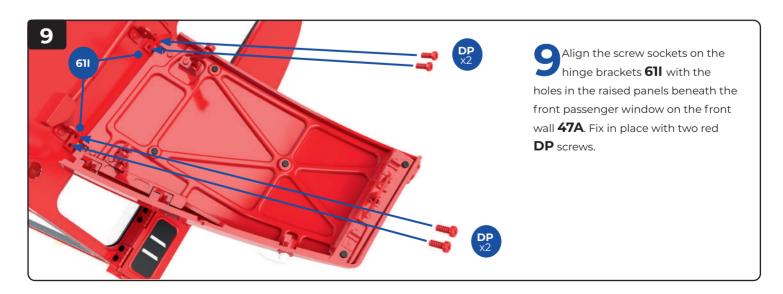
Repeat to assemble the second set of friction hinge links, parts **61E**, **61F** and **61G**. Again, note the position of the locating peg circled in light blue. Fix the hinge links together with an **EM** screw. Fit the free end of part **61E** into the slot in part **61D**. Note, again, that the raised sockets on part **61G** are on the same side as the slimmer arm of the slot on part **61D**, as indicated by the red dotted arrow. Fix with a **CM** screw.

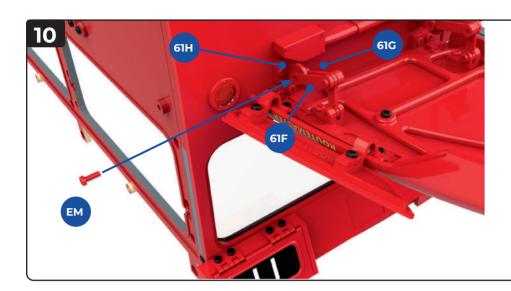


Take the bonnet assembly and the bonnet lock **61J**. Identify the fixing point for the lock on the side of the bonnet. Align the latch **61K** with the latch on the inside of the bonnet and fix in place from the inside with one **DP** screw.

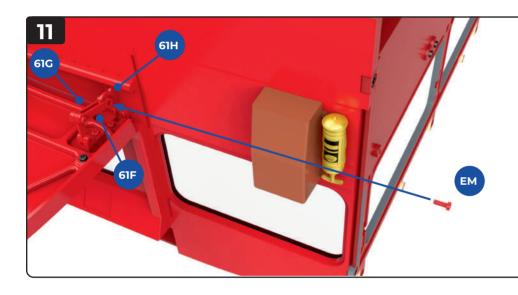








On the left side of the bonnet, fit the free ends of the friction hinge links **61F** and **61G** on either side of the friction hinge bracket **61H**. Fix in place with an **EM** screw.

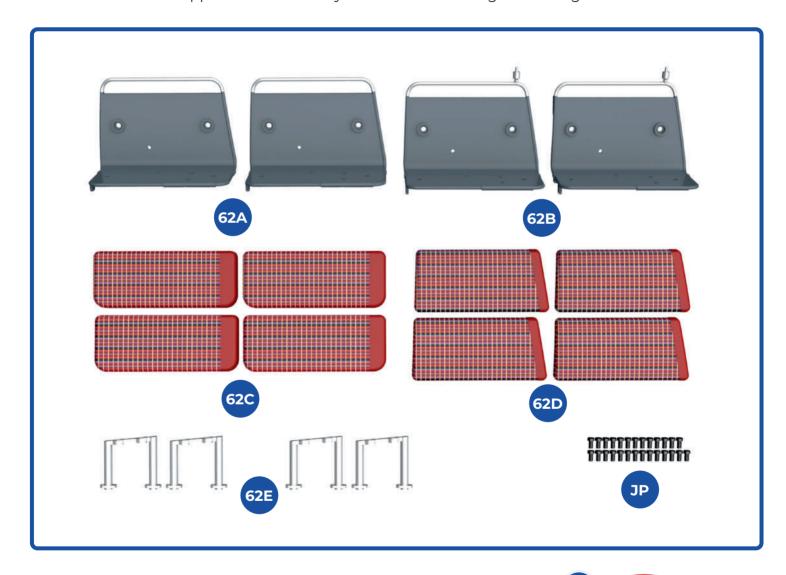


On the right-hand side of the bonnet, repeat to fit the free arms of the friction hinge links **61F** and **61G** on either side of the friction hinge bracket **61H**. Fix in place with an **EM** screw.



## FITTING THE LOWER DECK TO THE CHASSIS

In this stage, your model takes a major step as the chassis and lower deck are attached. The parts supplied are for seating in the upper deck. Assembly instructions will be given in stage 64.



#### **KEY TO PARTS SUPPLIED**

JP

2.3 x 4mm (x27)

**62A** Right seat frame 1 (x2)

**62B** Right seat frame 2 (x2)

**62C** Right seat cushion (x4)

**62D** Right seat backrest (x4)

**62E** Seat support (x4)

For the body/
chassis assembly
in this stage you will
need the following screws,
supplied with stage 61. Get
them lined up, ready for use.
3 x GM screws
10 x JP screws
2 x IP screws

52A

52A

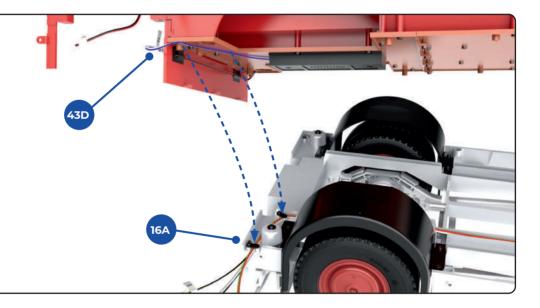
16A

17A

It is imporant to read through all the instructions before starting the construction.

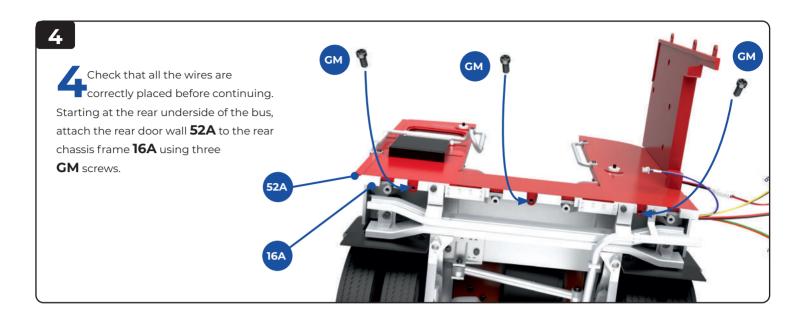
Position the bus body on the chassis, ensuring that the three tabs on the rear door wall **52A** fit over the sockets in the chassis **16A**. See also the diagram in step 5. At the same time, check the positions of the raised screw sockets on the underside of the floor panels **43A** and **42A**. There are four on each side, which fit into sockets down either side of the chassis frames **16A** and **17A**, as indicated by the dotted lines.

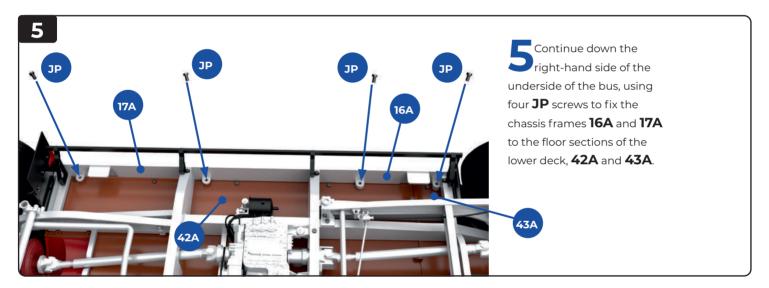
AT THE SAME TIME ensure that the D cable 43D is aligned in the same direction as cables A, B, C and E (which are fixed to the chassis frame 16A). Ensure that the ends of the cables are pulled well clear of the body and chassis.

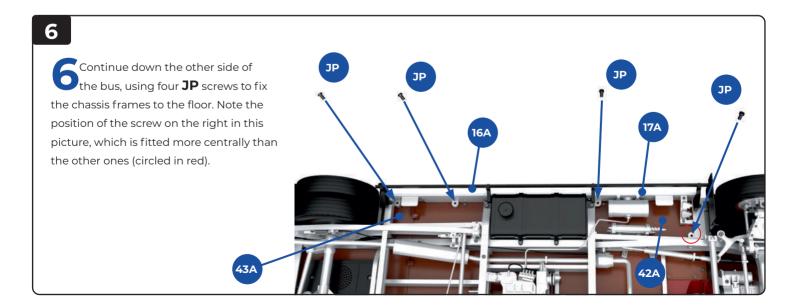


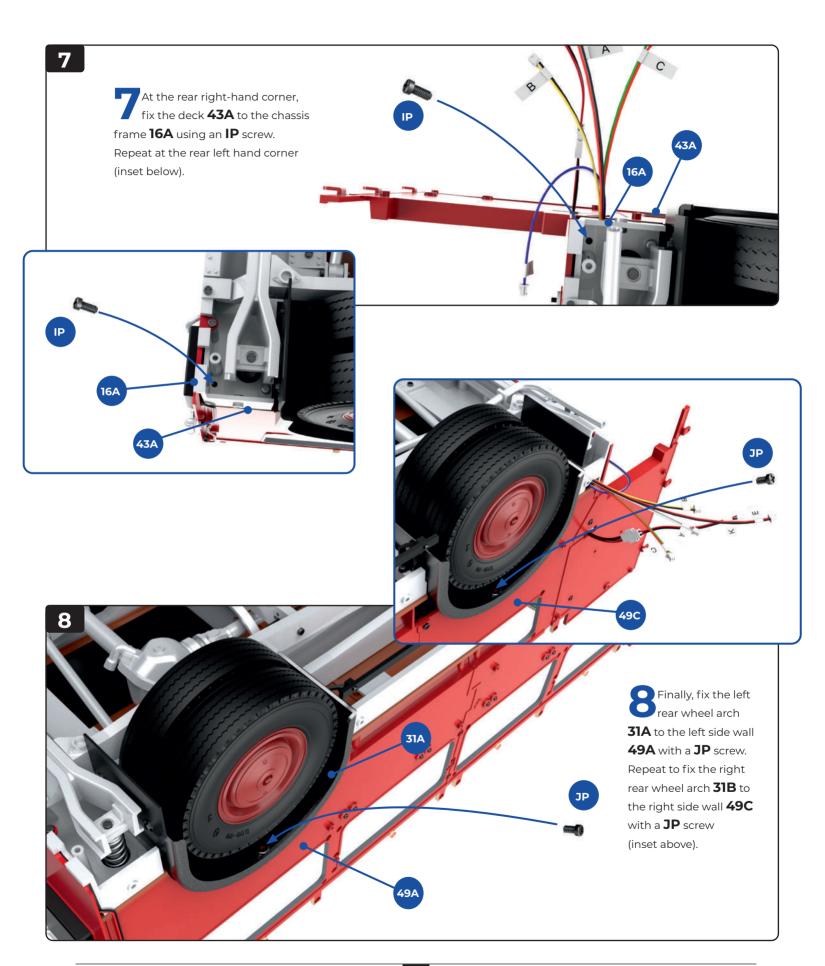


AT THE SAME TIME align the peg on the heating line **40F** against the hole beneath the bonnet on the front wall **47A**. When all these elements are in place, you can start to fix the chassis and body together.









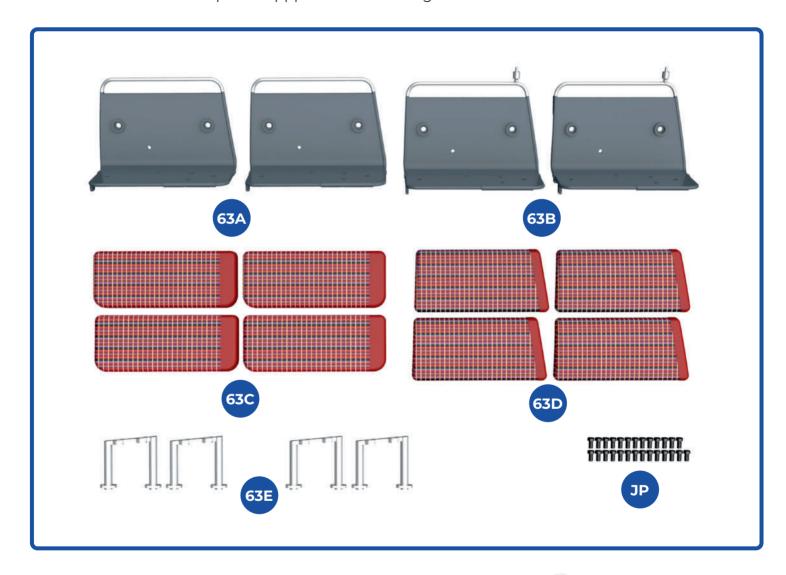
ROUTEMASTER BUS

**AGORA**MODELS



## FITTING THE PLATFORM AND CONNECTING CABLES

In this stage, the platform is fitted to the rear of the bus. Cables are connected to the circuit board that is under the stairs. The seat parts suppplied with this stage will be assembled later.



## **KEY TO PARTS SUPPLIED**

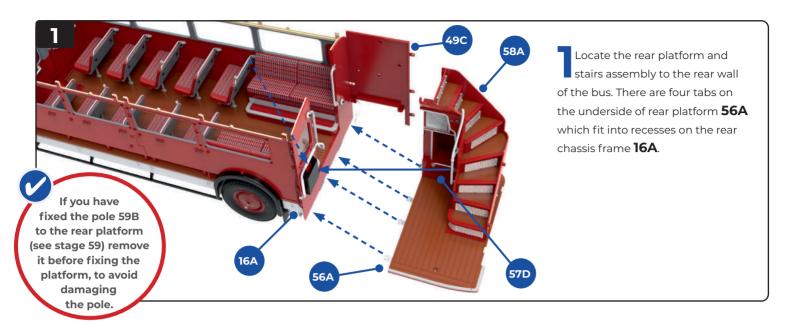
**63A** Right seat frame 1 (x2)

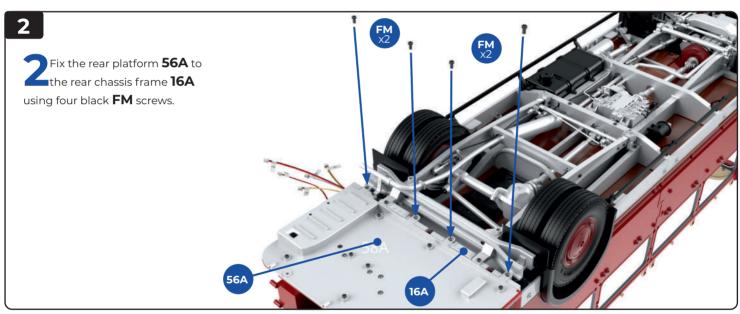
63B Right seat frame 2 (x2)63C Right seat cushion (x4)63D Right seat backrest (x4)

**63E** Seat support (x4)

**JP** 2.3 x 4mm (x27)





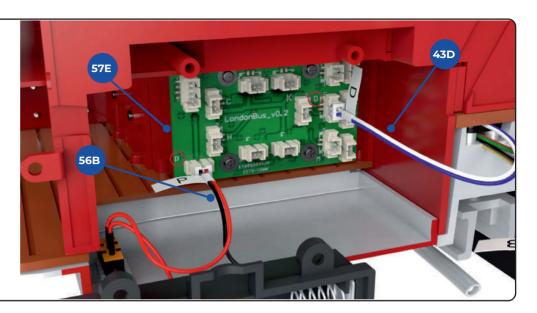


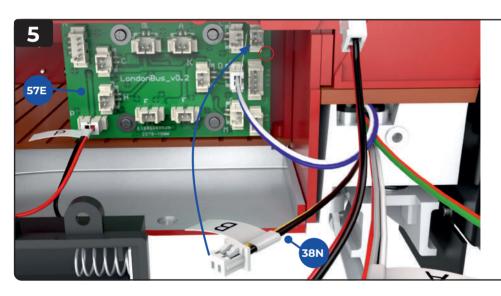


4

The next step is to fit all the cables to the circuit board

57E on the right-hand side of the bus, under the stairs. Fit the cable labelled D, part 43D, into the socket labelled D on the circuit board (the D label on the circuit board is circled in red). Fit the cable labelled P (56B, attached to the battery box) to the socket labelled P.



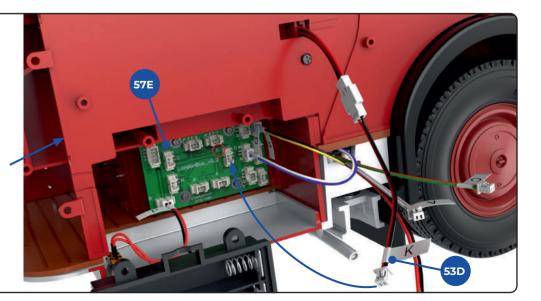


Fit B cable **38N** into the socket labelled B on the circuit board.

You
may find it
helpful to use
tweezers when
connecting the
cables.

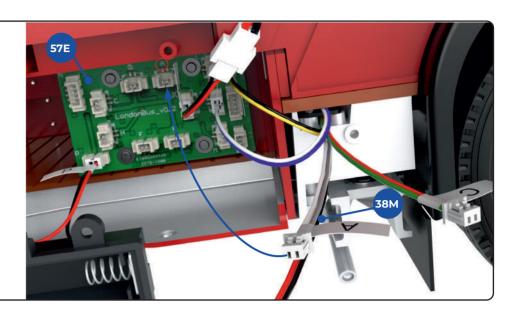
6

Fit K cable **53D** into the socket labelled K on the circuit board.



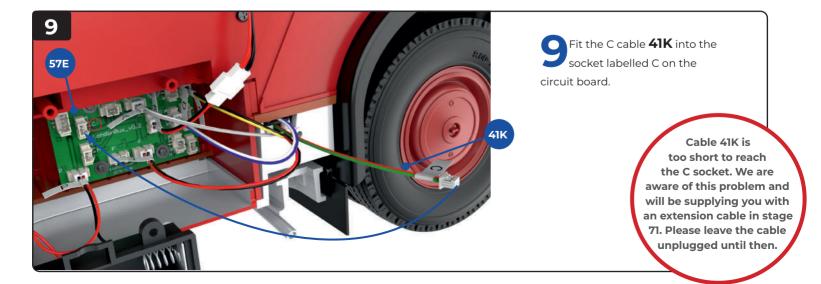
Fit the A cable **38M** into the socket

labelled A on the circuit board.



8

8 Fit the E cable 37D into the socket labelled E on the circuit board.



#### Finished Views

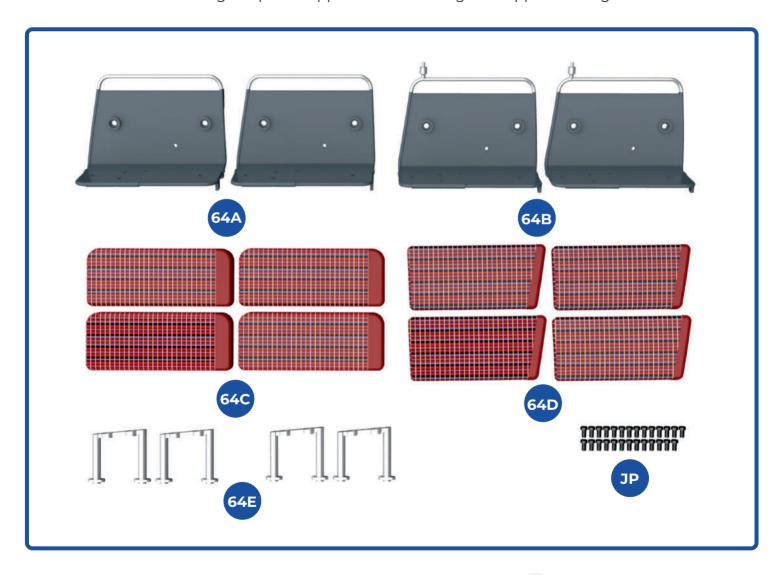




The body of the bus is now fitted to the chassis frame, and the stairs and platform are attached to the back of the bus. The cables have been connected to the circuit board under the stairs (right).

# SEATING FOR THE UPPER DECK (1)

In this stage, we assemble the parts supplied with stages 62 and 63 – seating for the right-hand side of the upper deck. Instructions for assembling the parts supplied with this stage will appear in stage 65.



#### **KEY TO PARTS SUPPLIED**

**64A** Left seat frame 1 (x2)

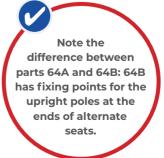
64B Left seat frame 2 (x2)

**64C** Left seat cushion (x4)

**64D** Left seat backrest (x4)

**64E** Seat support (x4)

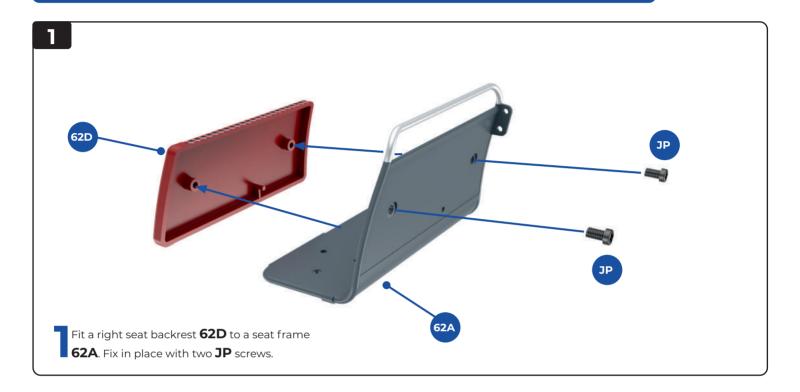
**JP** 2.3 x 4mm (x27)

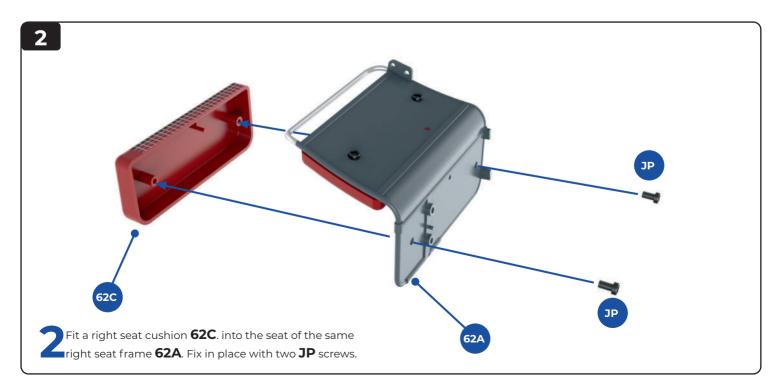


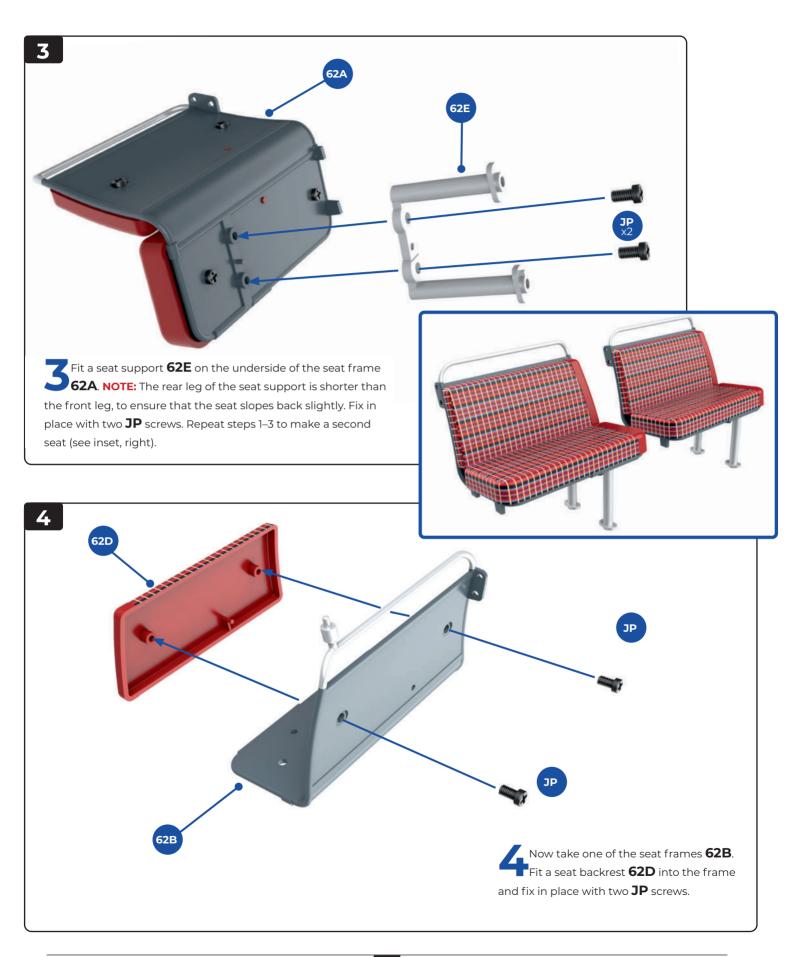
#### YOU WILL NEED THE FOLLOWING PARTS:

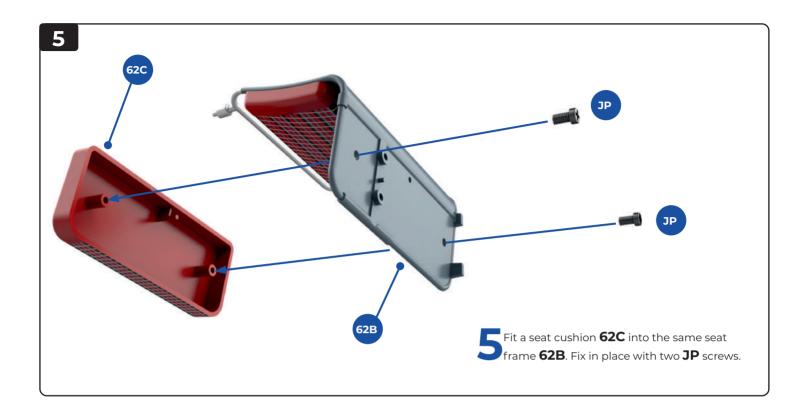
**62A and 63A** Right seat frames **JP** 2.3 x 4mm

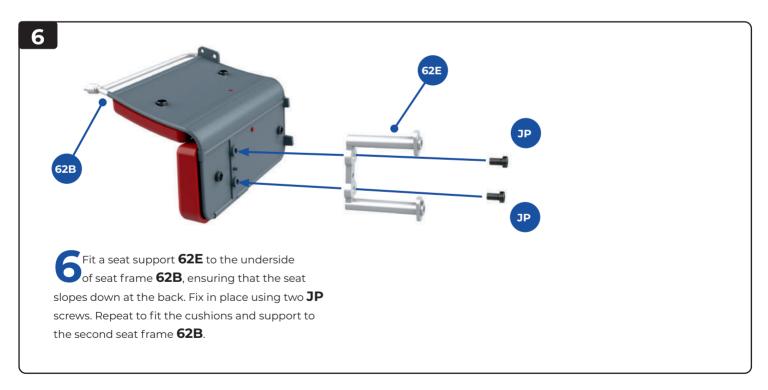
62B and 63B
62C and 63C
62D and 63D
62E and 63E
Right seat cushion
Right seat backrest
Seat support



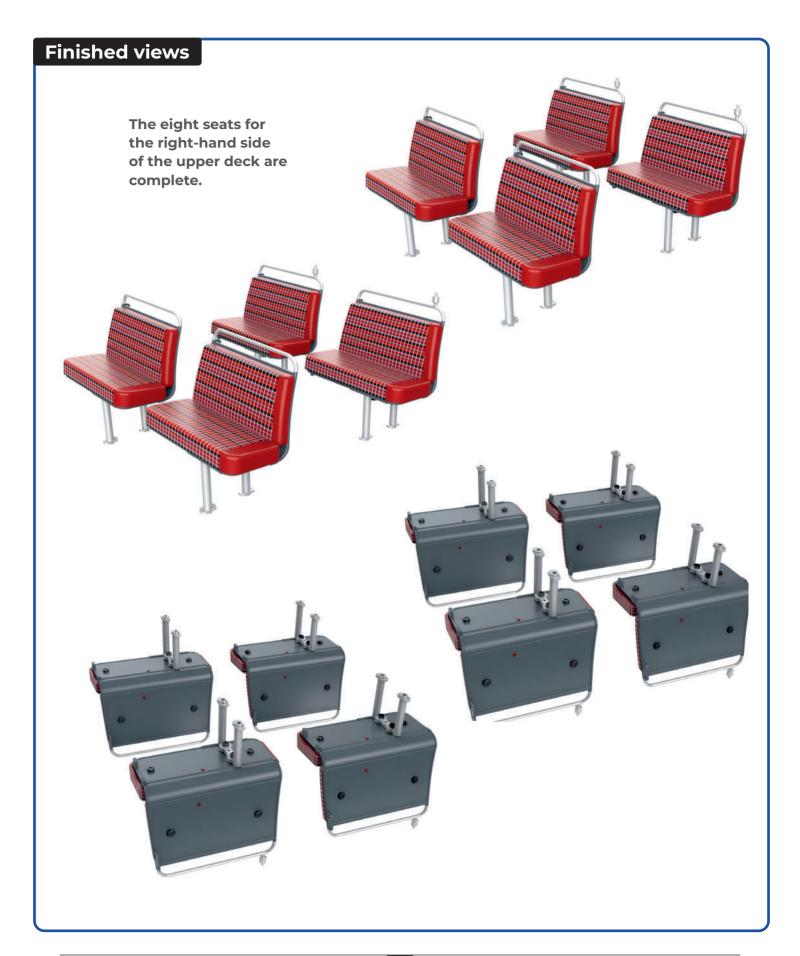






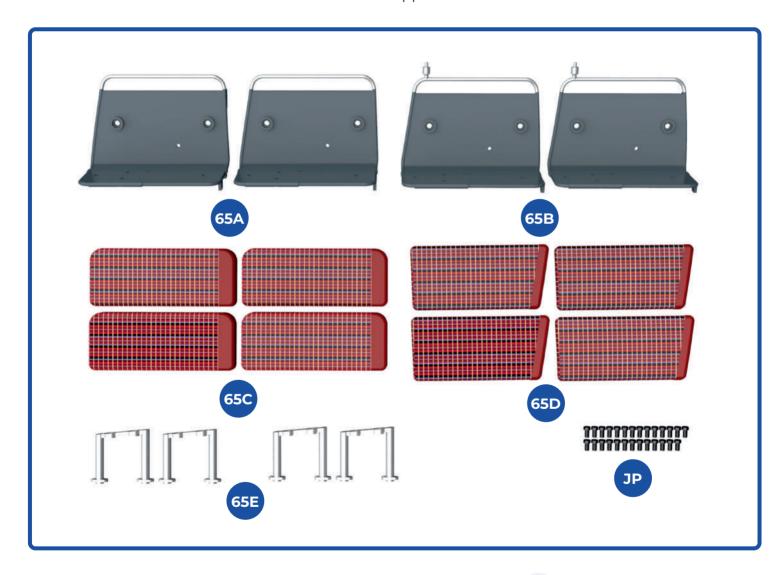


Repeat steps 1 to 6 to assemble the parts supplied with stage 63.



# SEATING FOR THE UPPER DECK (2)

In this stage, we assemble the parts supplied with stage 64 and with this stage, to build the seats for the left-hand side of the upper deck.



#### **KEY TO PARTS SUPPLIED**

**65A** Left seat frame 1 (x2)

**65B** Left seat frame 2 (x2)

**65C** Left seat cushion (x4)

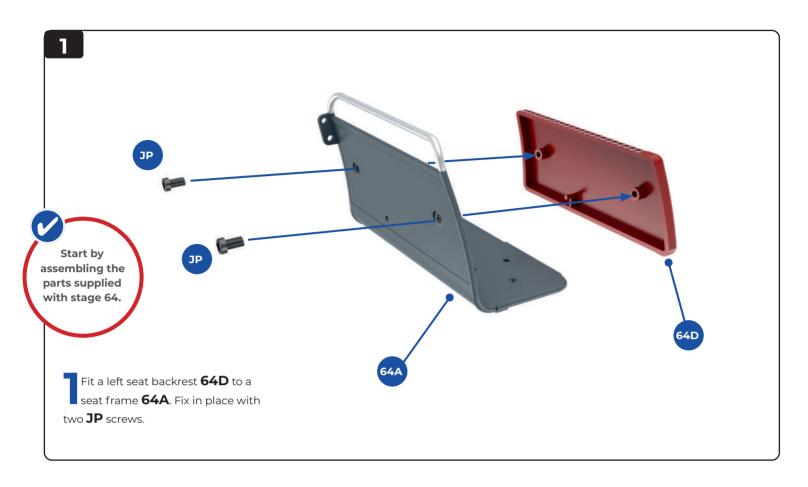
**65D** Left seat backrest (x4)

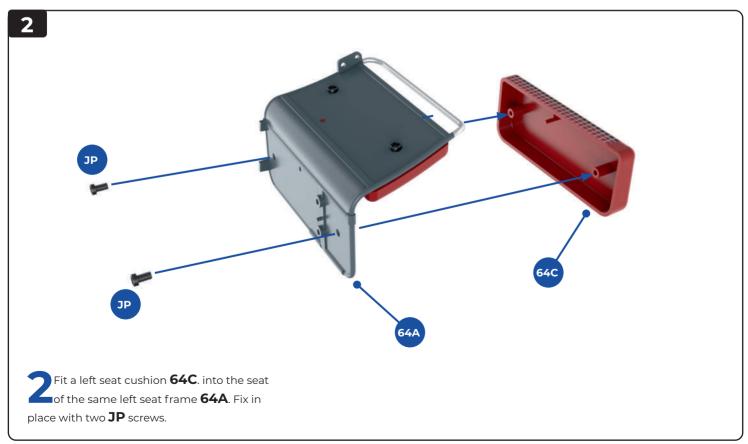
**65E** Seat support (x4)

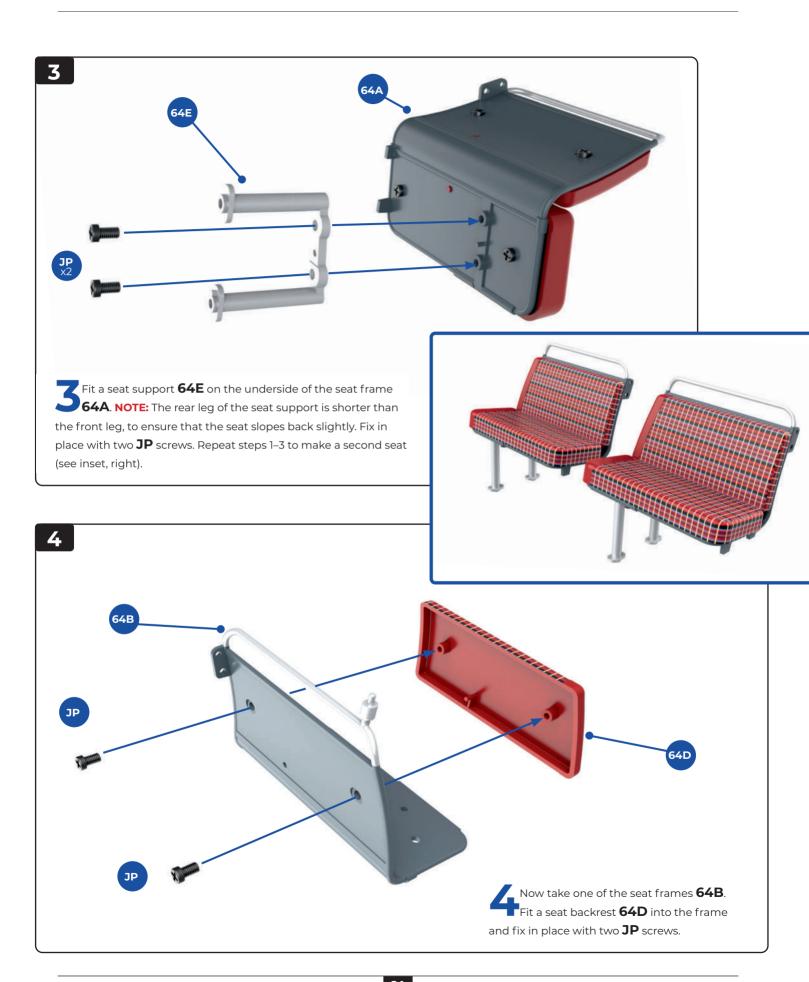
**JP** 2.3 x 4mm (x27)

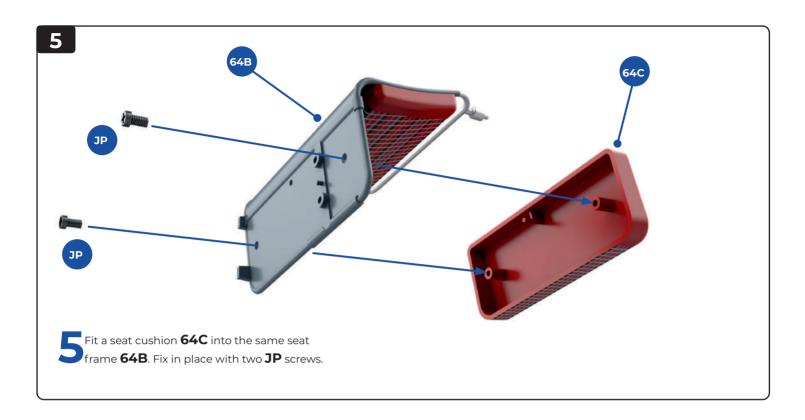
You will also need the identical parts supplied with stage 64.

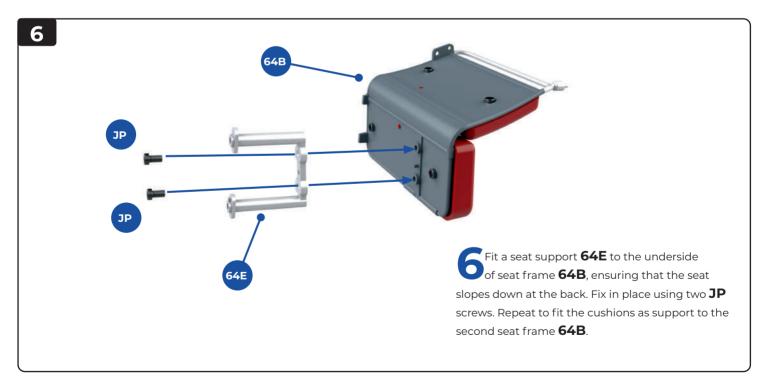




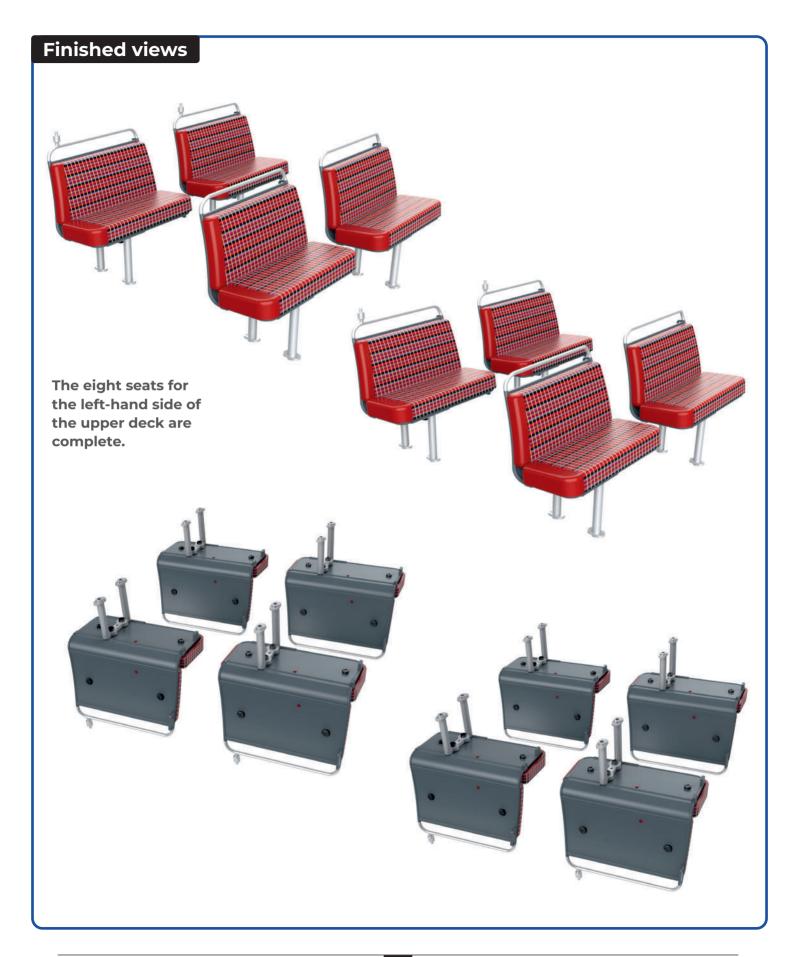






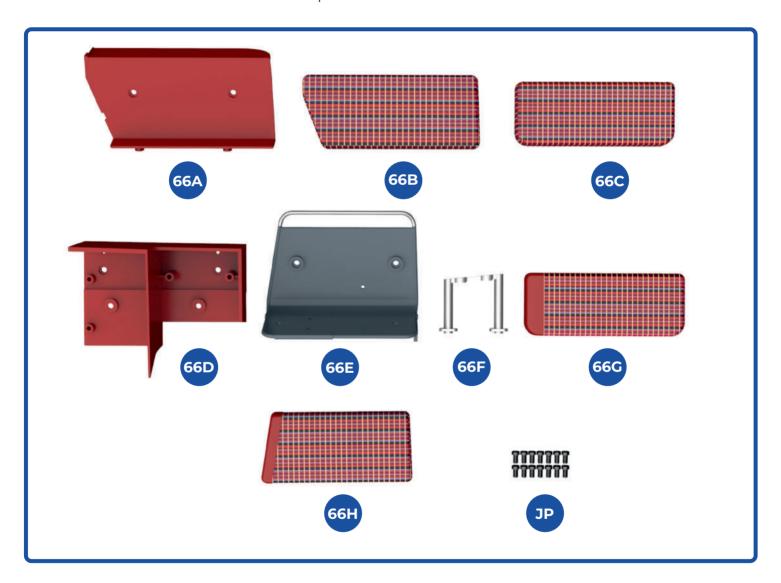


Repeat steps 1 to 6 to assemble the parts supplied with this stage.



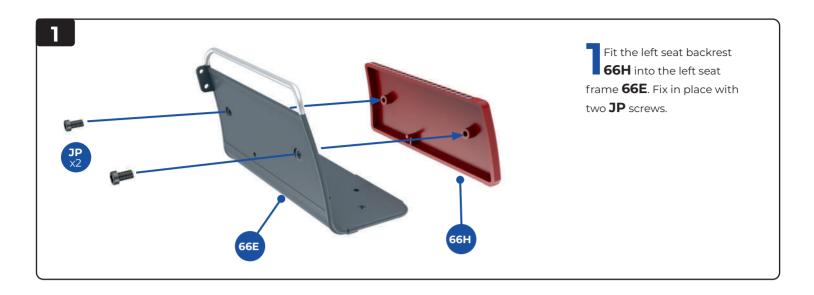
## REAR SEATS FOR THE **UPPER DECK**

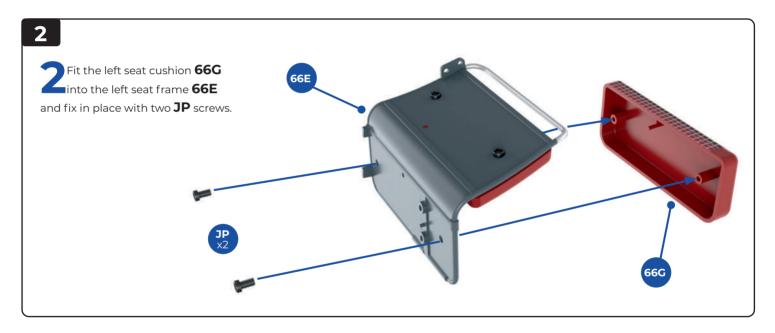
Continuing with the seating for the upper deck, the rear two left-hand seats are supplied with this stage. The back seat is fitted to panels that will be positioned above the stairs.



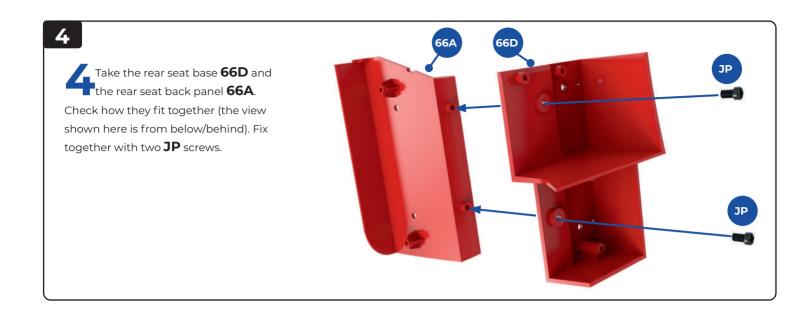
#### **KEY TO PARTS SUPPLIED**

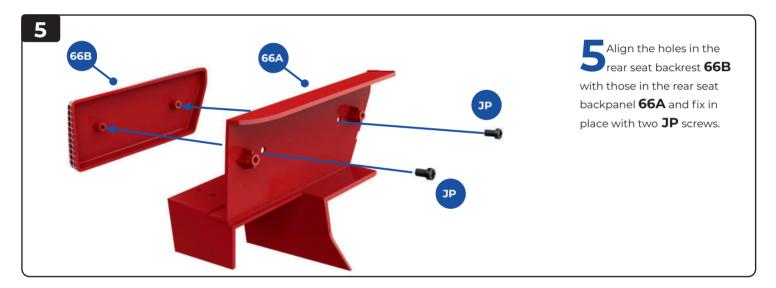
66A	Rear seat back panel	66F	Seat support
66B	Rear seat backrest	66G	Left seat cushion
66C	Rear seat cushion	66H	Left seat backrest
66D	Rear seat base		
66E	Left seat frame	JР	2.3 x 4mm (x14)

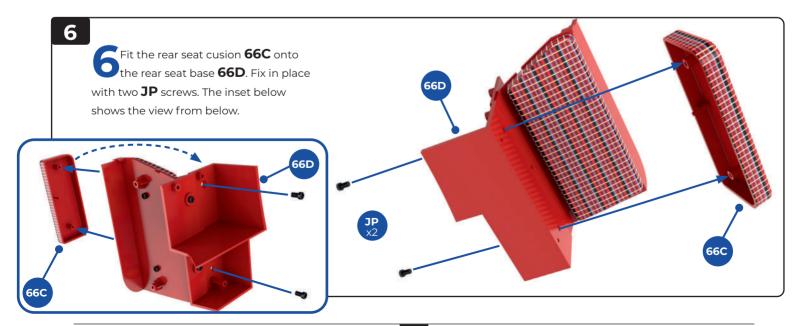








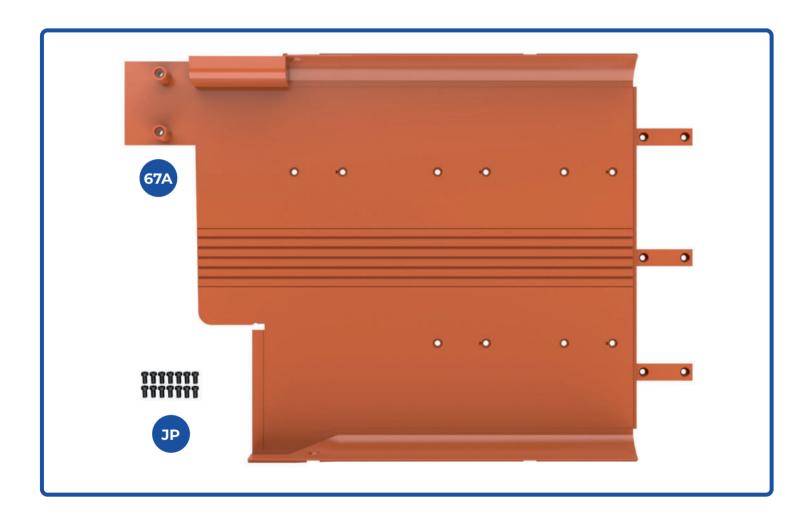




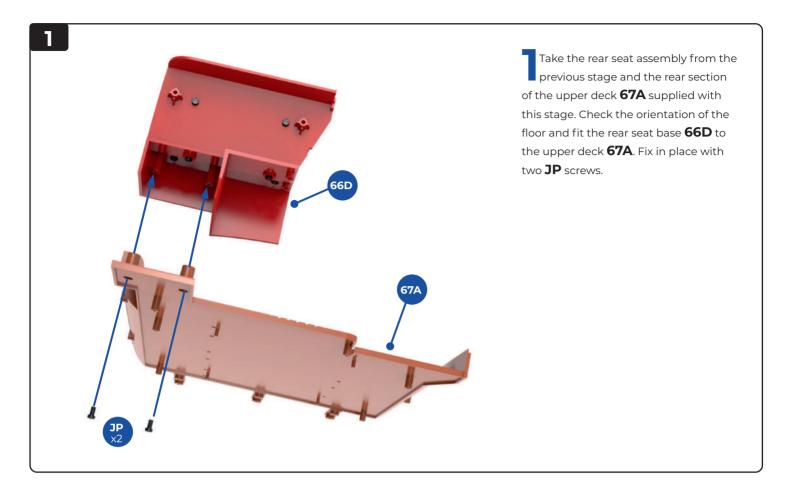


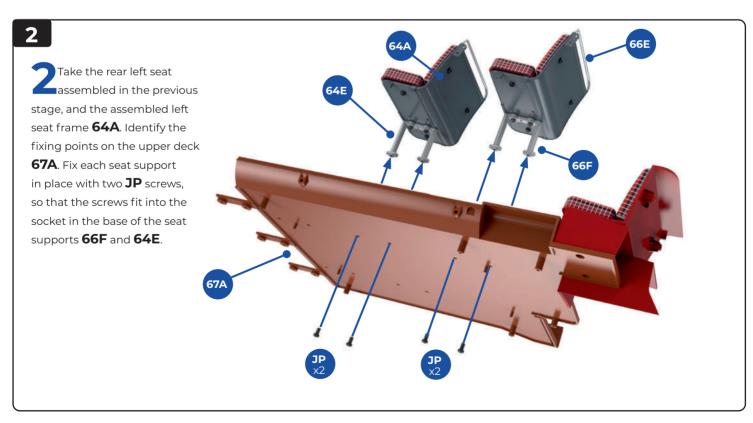
# FITTING THE REAR SEATS TO THE UPPER DECK

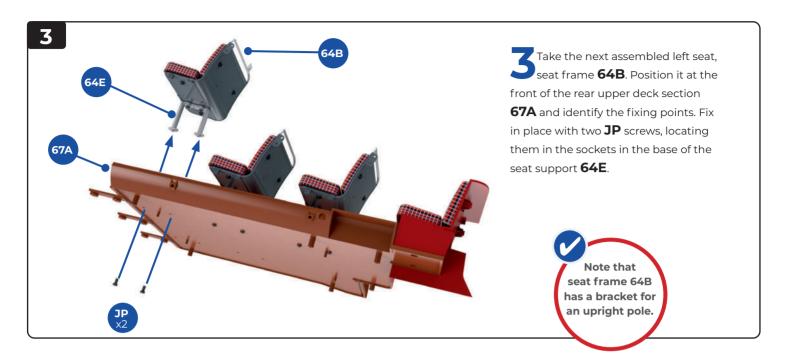
In this stage we supply the rear section of the upper deck. Seats assembled in previous stages are fitted to the deck.

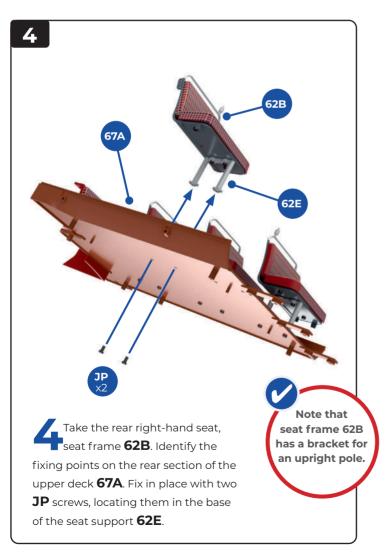


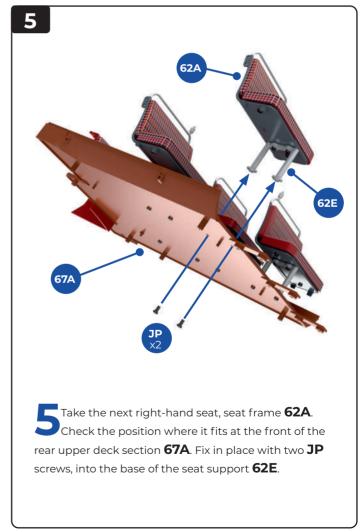


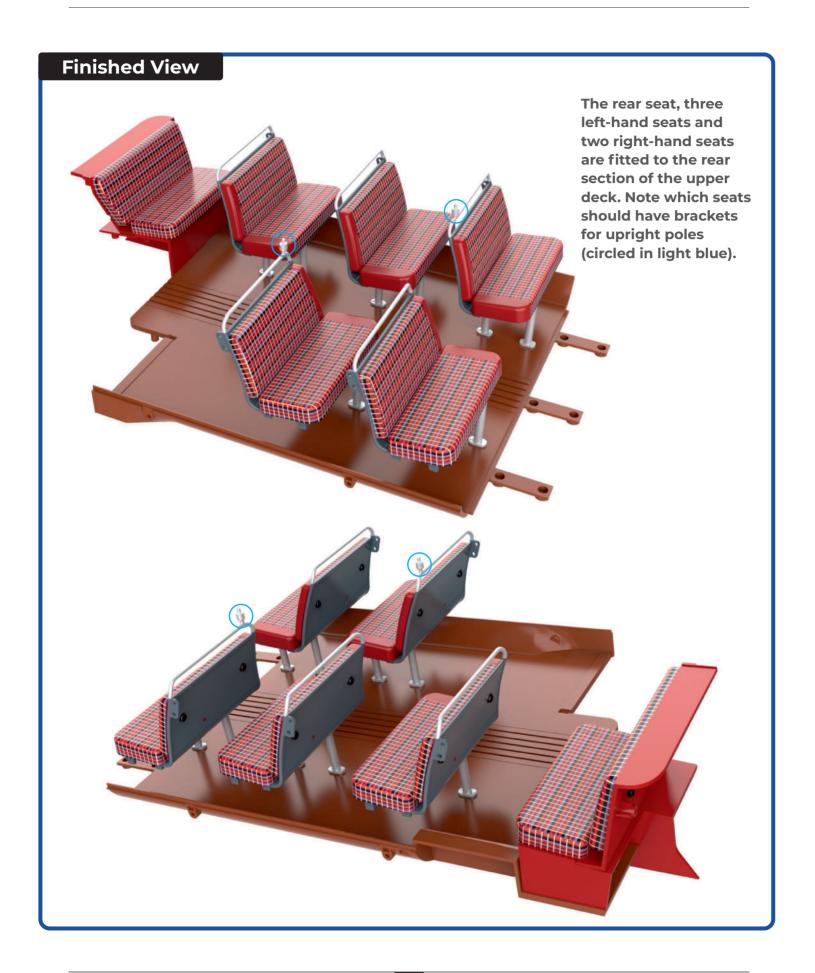






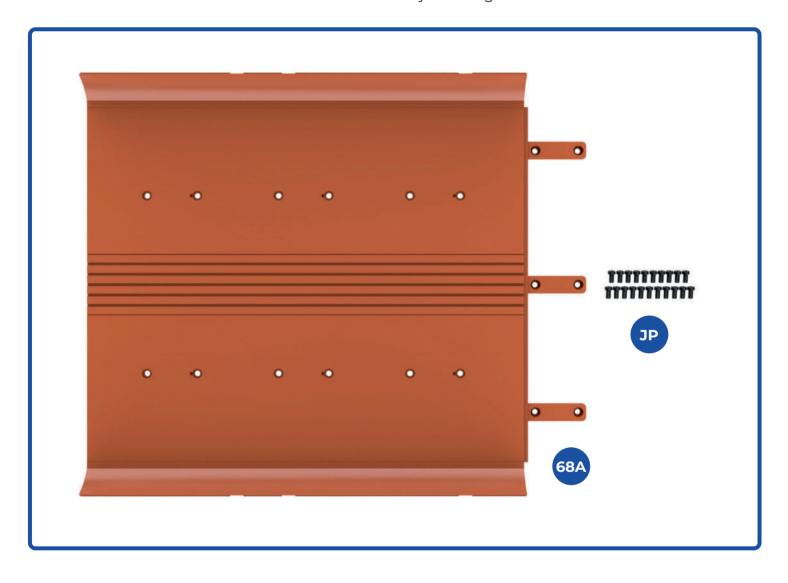






## CENTRAL SEATING ON THE UPPER DECK

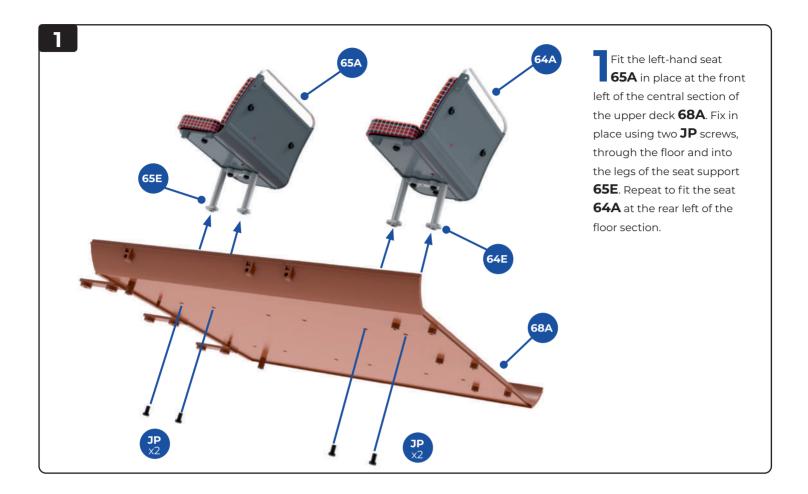
The central section of the upper deck is supplied. Six of the seats that were assembled earlier are fitted to the upper deck and the central and rear deck sections are joined together.

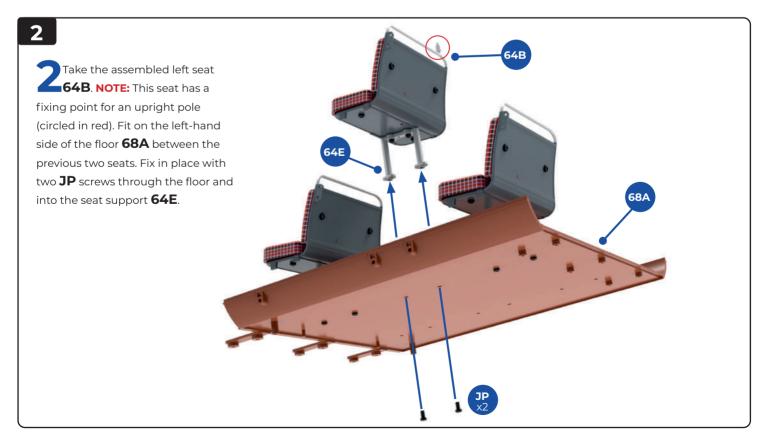


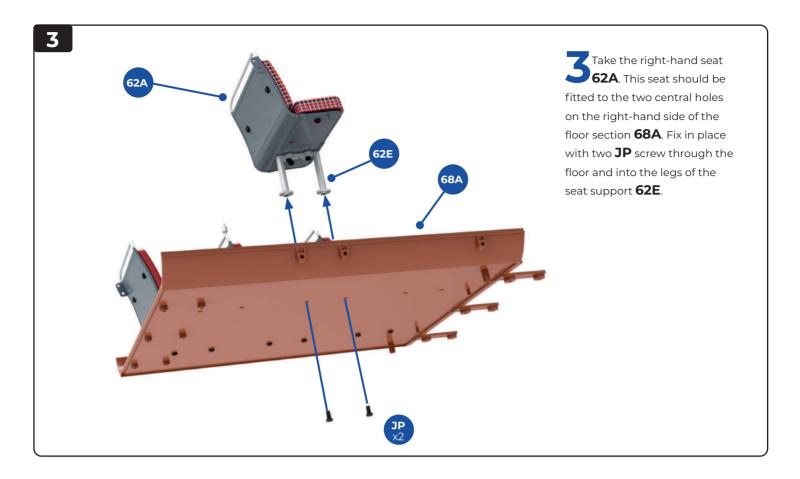
#### **KEY TO PARTS SUPPLIED**

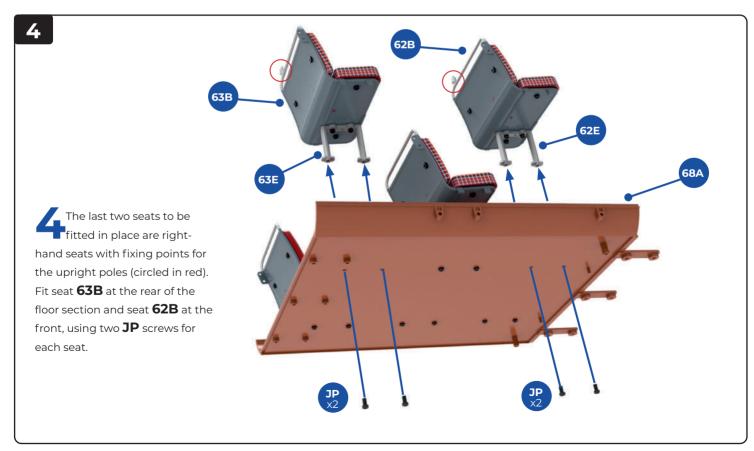
**68A** Central section of upper deck

**JP** 2.3 x 4mm (x21)



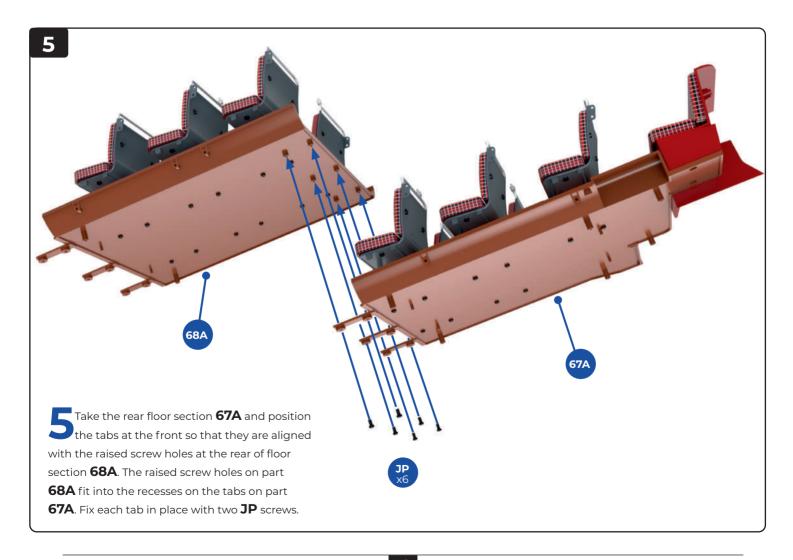


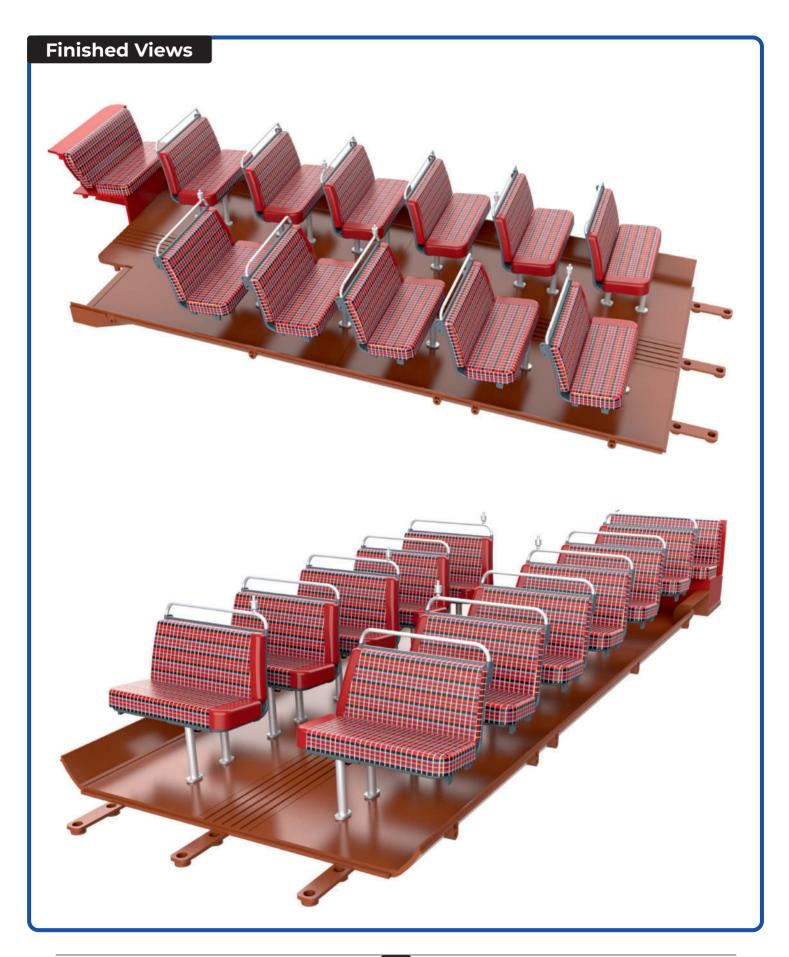




The six seats have been fitted to the central section of the upper deck. Before proceeding, double check that you have the seats with fixing points for the upright poles in the correct position. The fixing points have been circled in red.

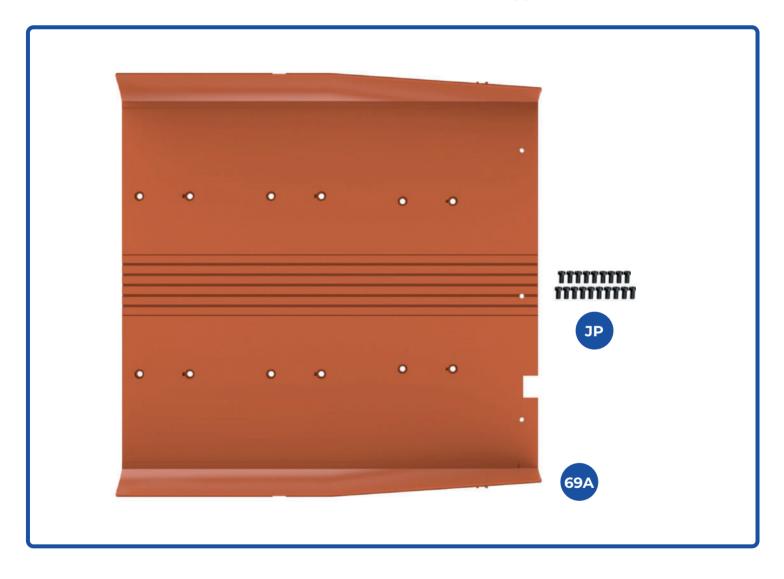






# FRONT SEATING ON THE UPPER DECK

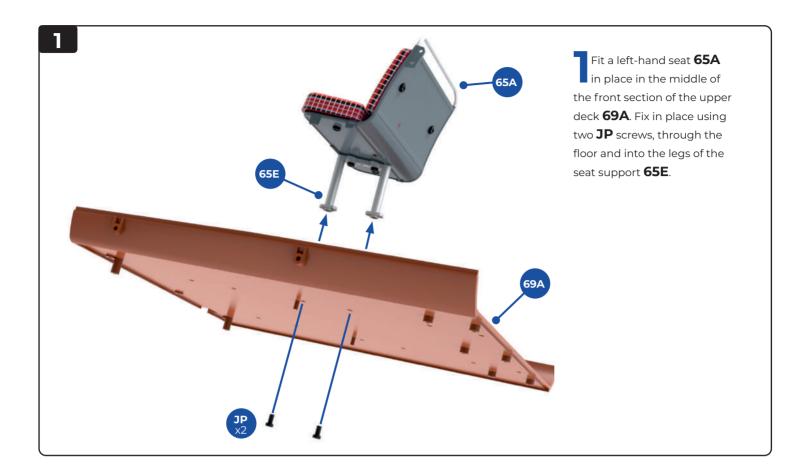
The front section of the upper deck is supplied. Six of the seats that were assembled earlier are fitted to the front section of the upper deck, which is then connected to the rest of the upper deck.

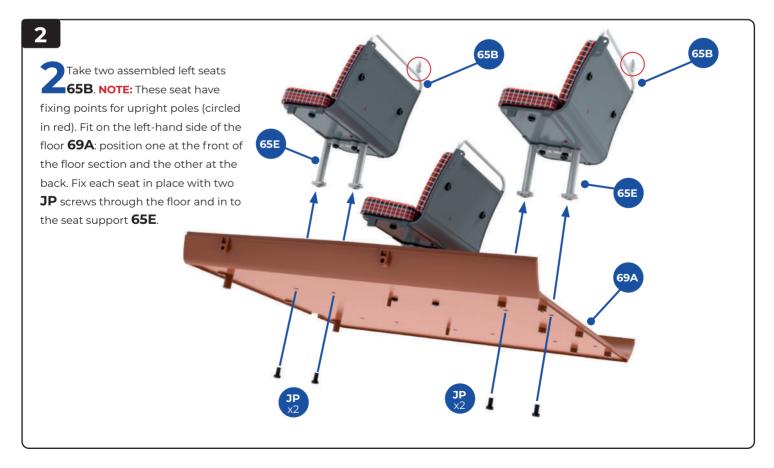


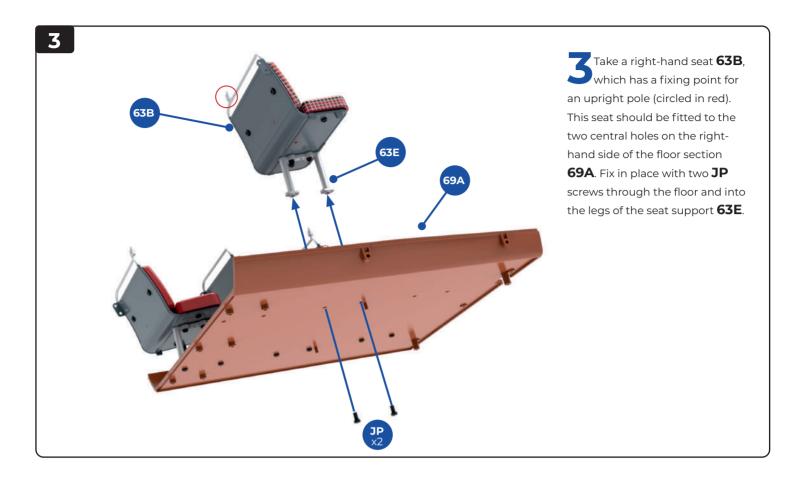
#### **KEY TO PARTS SUPPLIED**

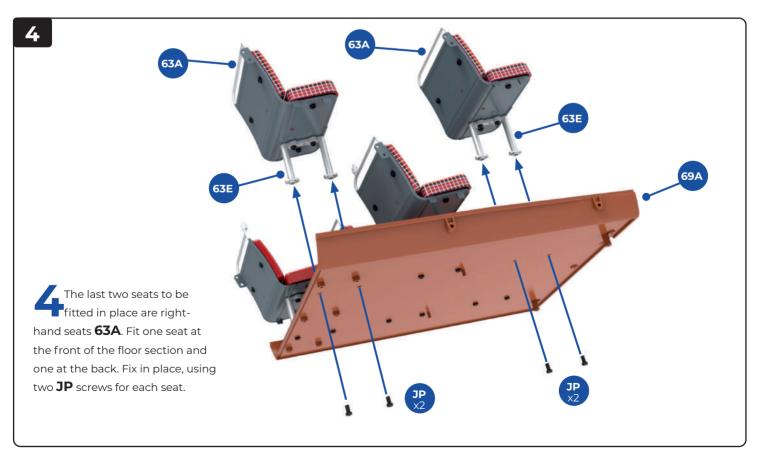
**69A** Front section of upper deck

**JP** 2.3 x 4mm (x19)

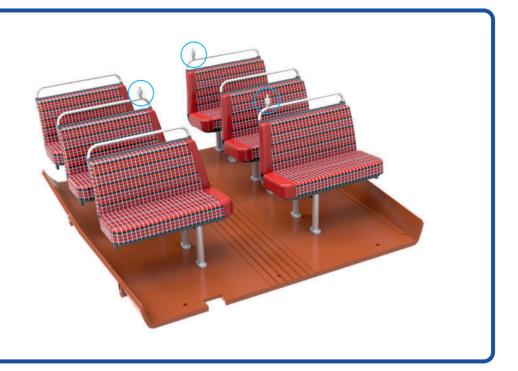


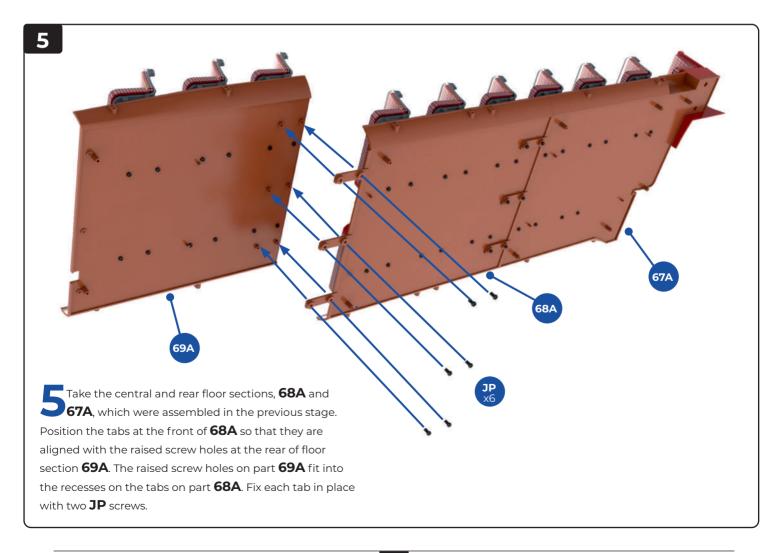


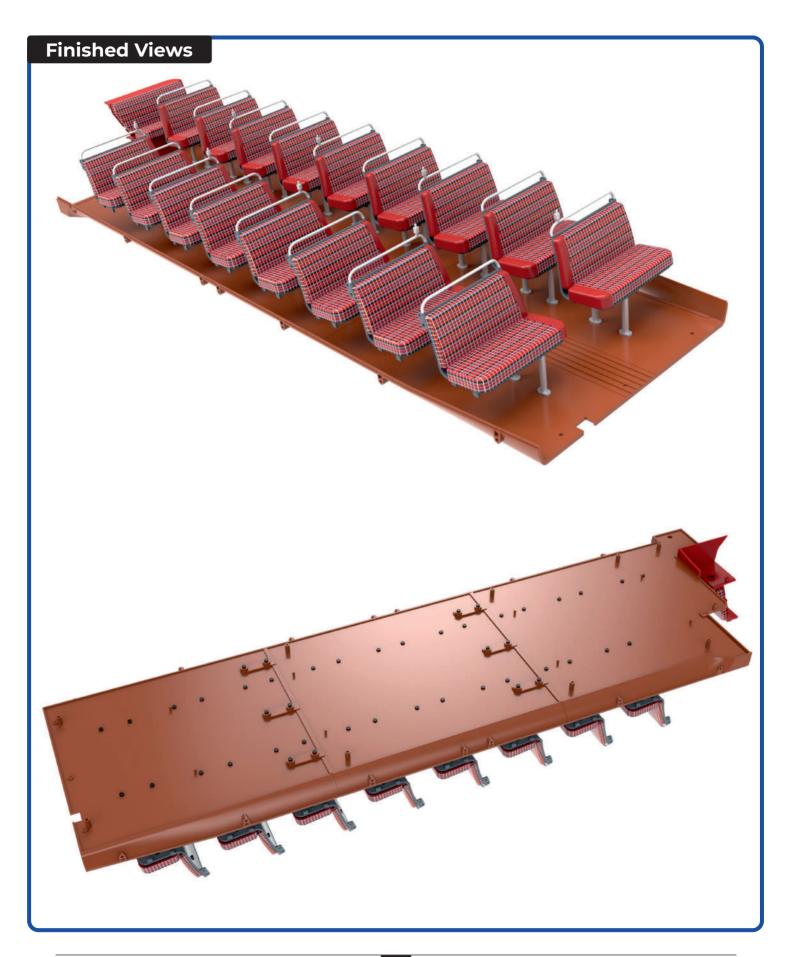




Six seats have been fitted to the front section of the upper deck. Before proceeding, double check that you have the seats with fixing points for the upright poles in the correct position. The fixing points have been circled in light blue.

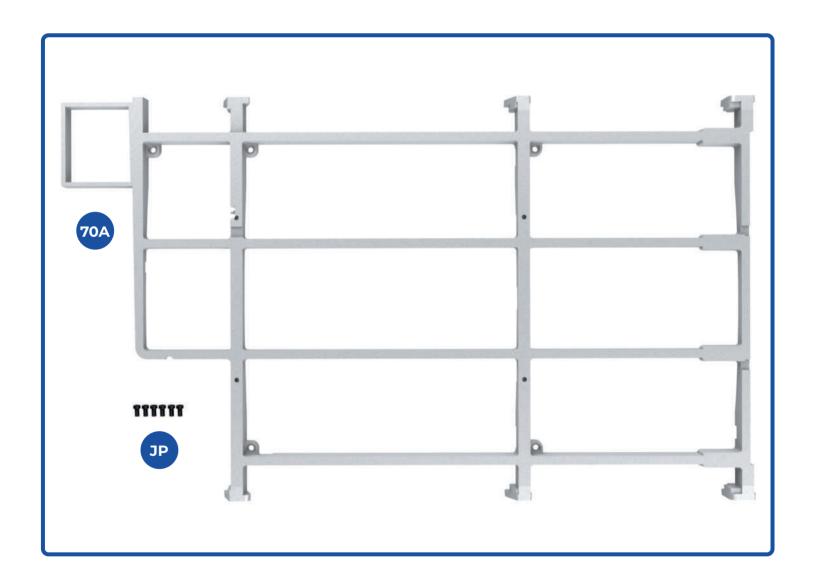






# LOWER DECK CEILING FRAMEWORK

In this stage, we fit a framework to the underside of the upper deck, so that the ceiling of the lower deck can be fixed to it.



#### **KEY TO PARTS SUPPLIED**

**70A** Ceiling framework

**JP** 2.3 x 4mm (x6)

