## **LONDON TRANSPORT**

## **ROUTEMASTER BUS**

RM 857



## Pack 06

#### BUILD INSTRUCTIONS

STAGE 51: FITTING THE INNER FRONT WALL PANEL

STAGE 52: REAR ENTRANCE WALL AND ACCESSORIES

STAGE 53: FITTING CABLES TO THE BELL PUSHES
AT THE REAR ENTRANCE

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STAGE 56: WIRING THE LIGHTING ON THE LOWER DECK

STAGE 57: STAIRCASE STRUCTURE
AND CIRCUIT BOARD

STAGE 58: ASSEMBLING THE TOP THREE STEPS

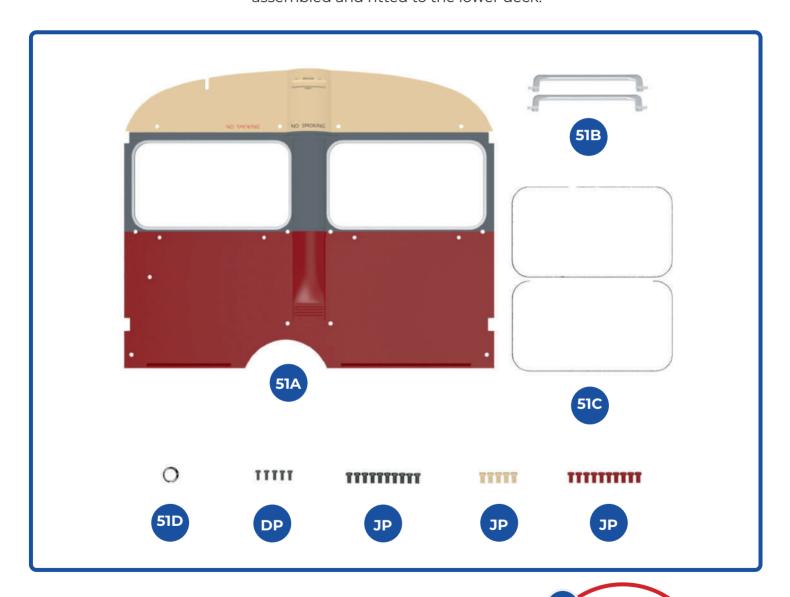
STAGE 59: KICK PLATES AND STAIRWAY ASSEMBLY

STAGE 60: PLATFORM AREA AND REAR WALL



## FITTING THE INNER FRONT WALL PANEL

In this stage, the inner front wall and windows are supplied, together with handrails and a sidelight lens. The parts are assembled and fitted to the lower deck.



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

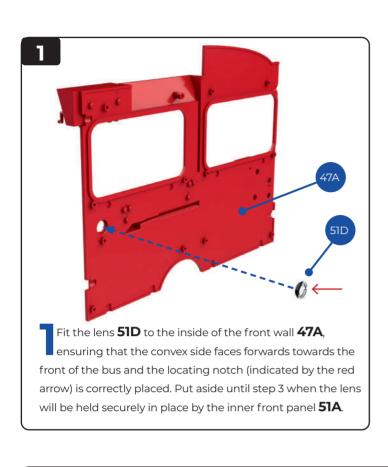
 51A
 Inner front panel
 DP
 1.7 x 4mm (x5)

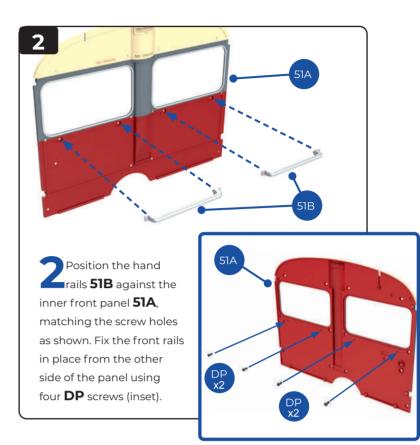
 51B
 Hand rail (x2)
 JP
 2.3 x 4mm (x10 black)

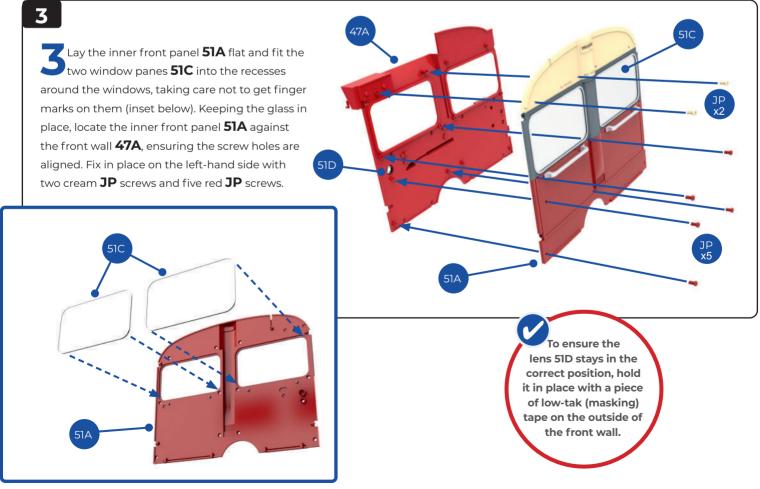
 51C
 Window panes (x2)
 JP
 2.3 x 4mm (x5 cream)

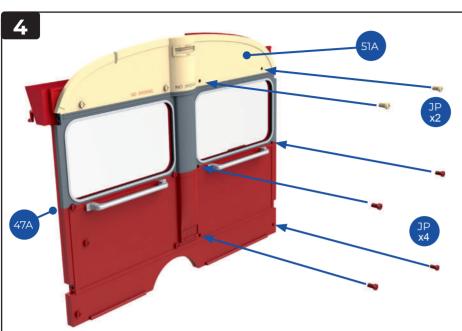
 51D
 Lens
 JP
 2.3 x 4mm (x10 red)

Note that
the JP screws
are supplied in three
different colours – make
sure you fit them in the
correct places, to blend
with the parts that
they are fixing.





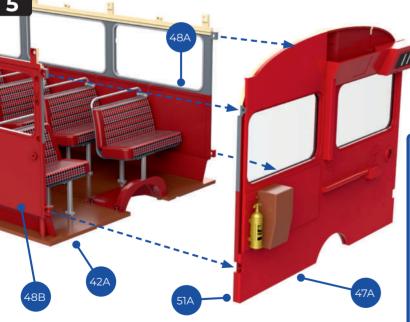




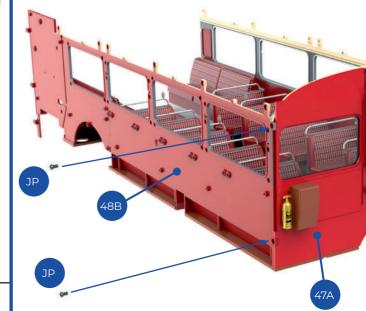


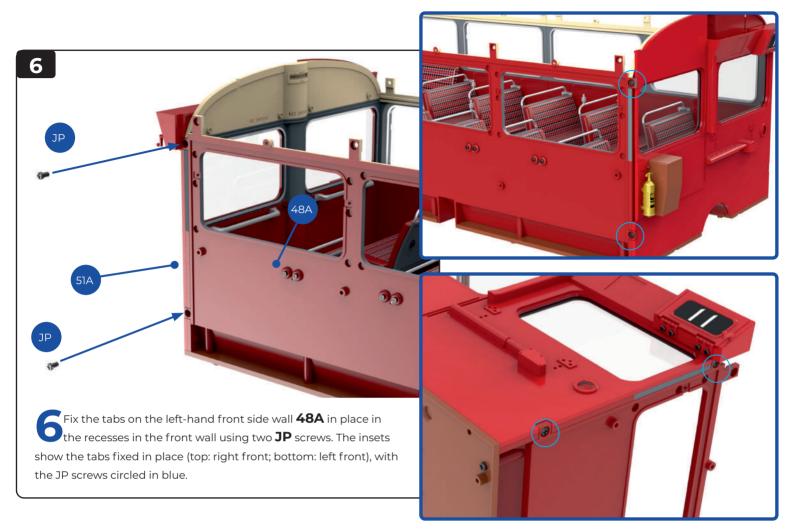
Ensuring that the window panes are still in place, fix the right-hand side of the inner front panel **51A** to the front wall **47A** using two cream **JP** screws and four red **JP** screws. The insets, right, show the finished front wall.

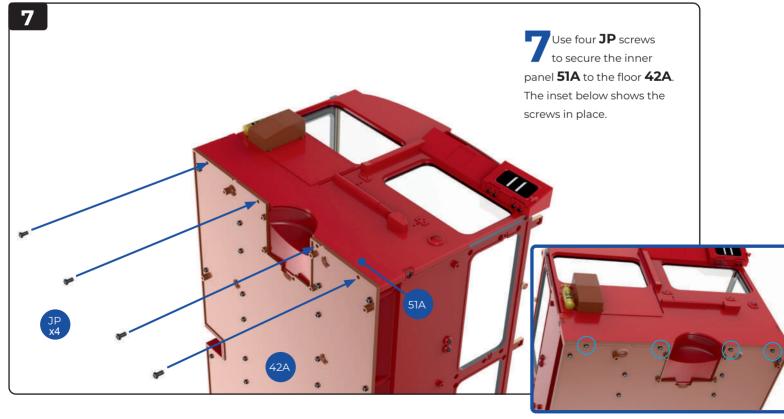




Position the front wall assembled in step 4 against the front end of the lower deck assembly. The front wall should sit on the floor 42A, and the tabs on the front side walls 48B and 48A should fit into the recesses on the sides of the front wall (blue arrows). Fix the tabs in place on the right-hand side with two black JP screws (inset).









## REAR ENTRANCE WALL AND ACCESSORIES

Handrails, a used ticket box and the bell push surrounds are fitted to the rear wall of the passenger compartment. The wall is then almost ready to fit to the lower deck.

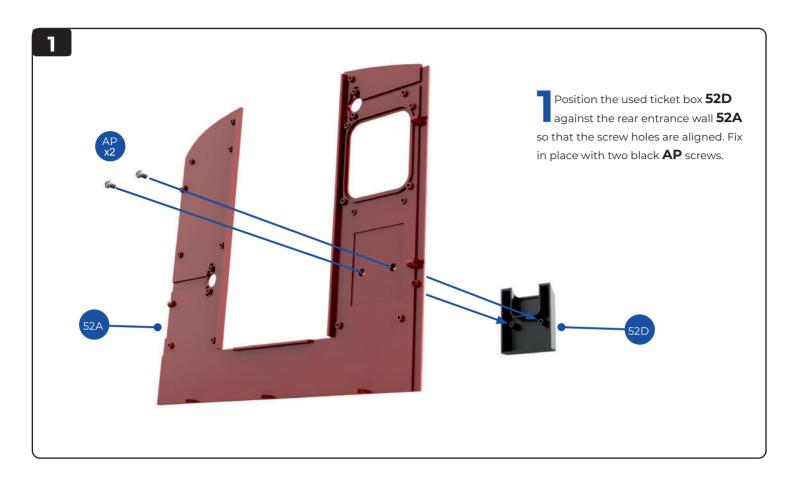


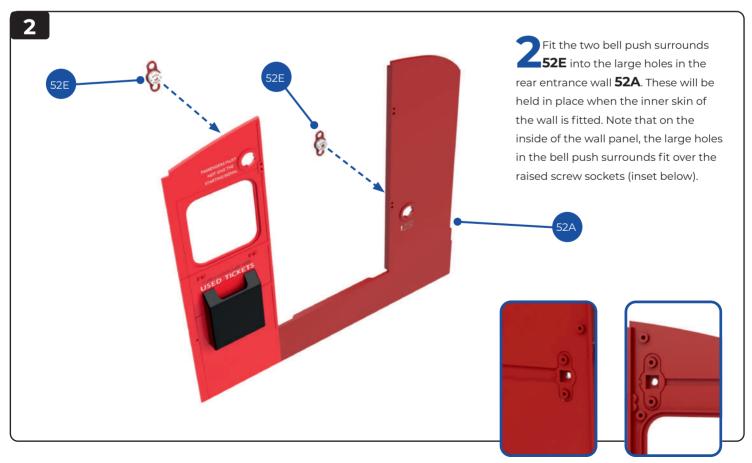
#### **KEY TO PARTS SUPPLIED**

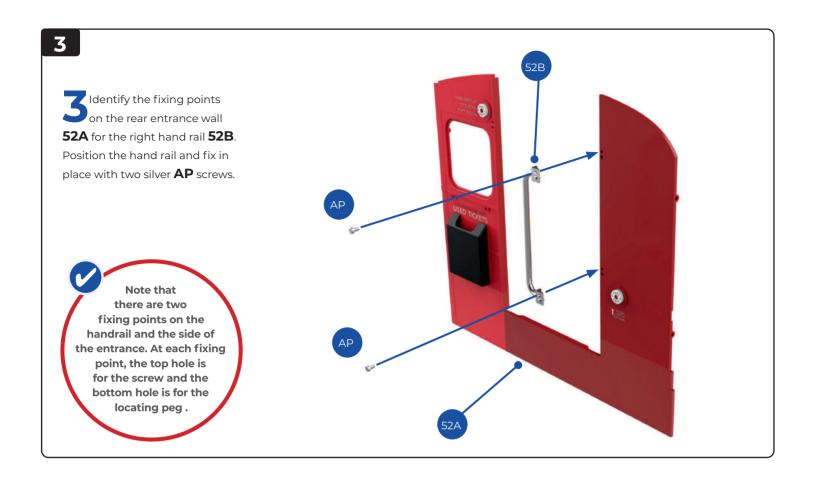
52A Rear entrance wall
52B Right-hand rail
52C Left-hand rail
52D Used tickets box

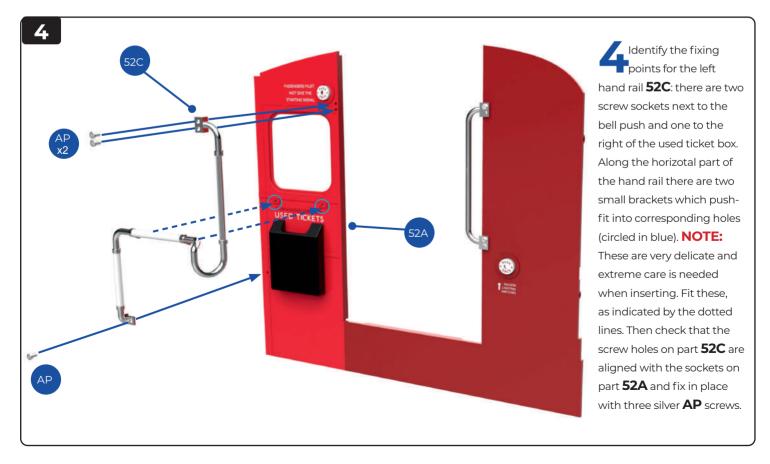
**52E** Bell push surround (x2)

**AP** 1.7 x 3mm (x3 black) **AP** 1.7 x 3mm (x6 silver) Note that
the AP screws
are supplied in two
different colours, black
and silver. Make sure that
you fit them in the right
places, as shown in the
instructions.





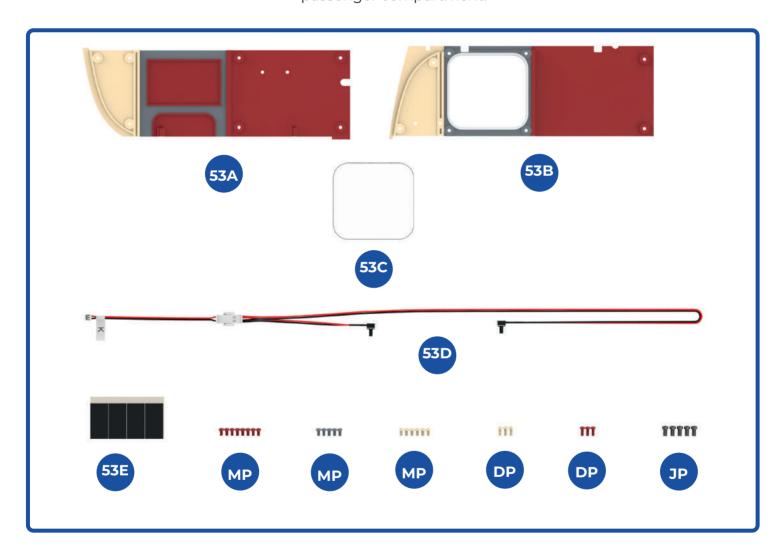






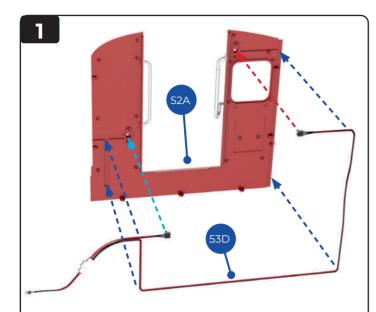
# FITTING CABLES TO THE BELL PUSHES AT THE REAR ENTRANCE

We add some finishing touches to the rear entrance wall and then fit the wall to the end of the lower deck passenger compartment.

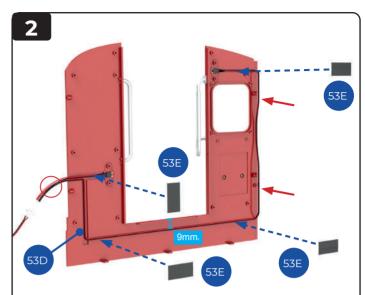


#### **KEY TO PARTS SUPPLIED**

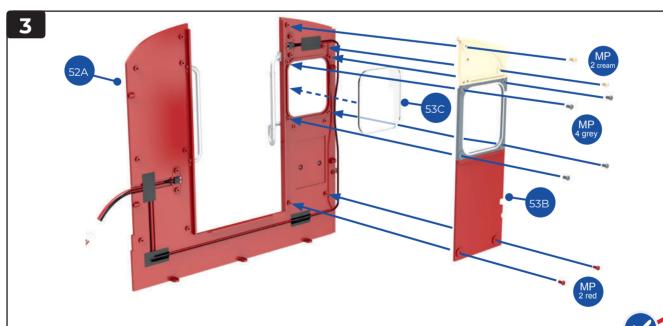
53A	Right end wall	MP	1.7 x 3mm (x8 red)
53B	Left end wall	MP	1.7 x 3mm (x5 grey)
53C	Window pane	MP	1.7 x 3mm (x6 cream)
53D	Cable K	DP	1.7 x 4mm (x3 cream)
53E	Tape strips (x4)	DP	1.7 x 4mm (x3 red)
		JP	2.3 x 4mm (x5)



Arrange cable K (**53D**) around the inside of the doorway panel **52A** in the orientation shown. Start by fitting the bell push in place near the top of the entrance, as indicated by the red dotted line. Arrange the cable around the doorway as shown, ending by fitting the second bell push, as indicated by the light blue dotted line.



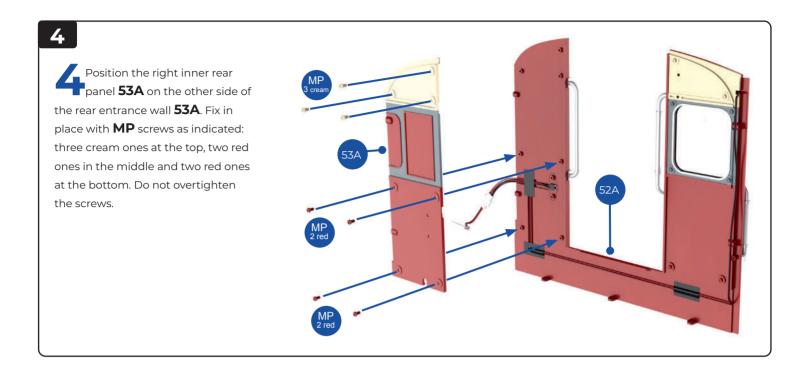
Check that the cable **53D** runs across the bottom of the panel 9mm from the top of the door sill (indicated in light blue). There should be a little slack in the cable at the side of the panel as indicated by the red arrows. Tape the cable in place using four strips of tape **53E**. You may find that the lengths of red and black cable at the end (circled in red) are uneven. This is not a problem.

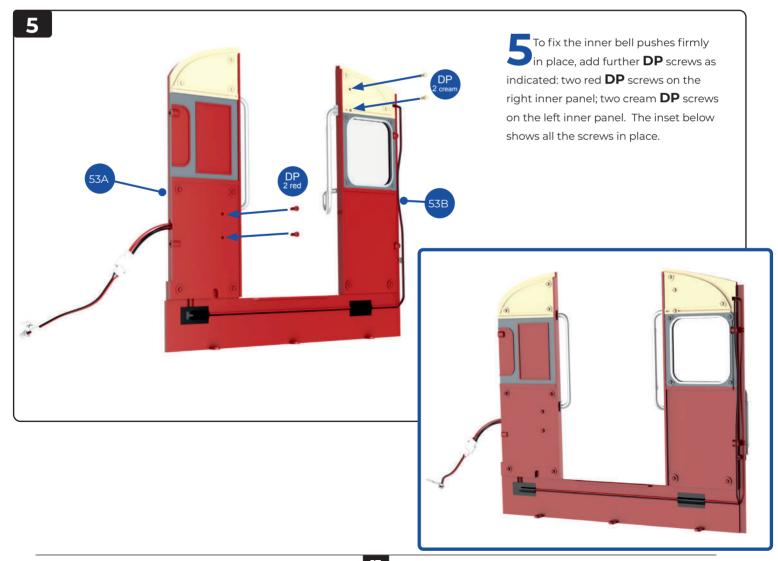


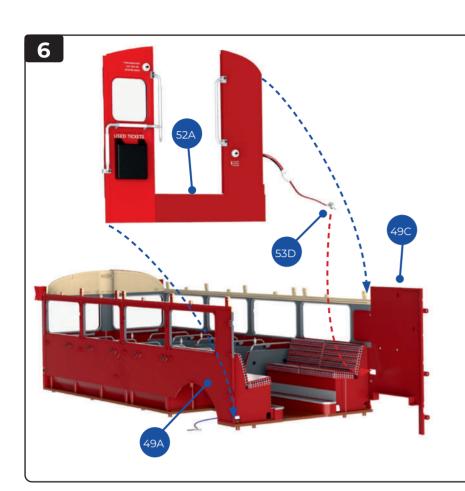
Position the window pane **53C** in the opening in the rear entrance wall **52A**.

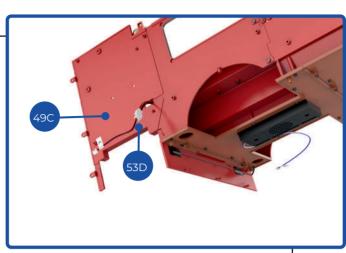
Position the left inner rear wall **53B** as indicated, so that the window pane is held in place. Fix part **53B** in place using **MP** screws: two cream at the top, four grey in the middle and two red at the bottom. Note that the cable K (**53D**) does not fit between these two panels at the side (see step 4). Do not overtighten the **MP** screws.

Remember
that when we
refer to left or right,
it is the left or right
side when facing in
the direction of
travel.

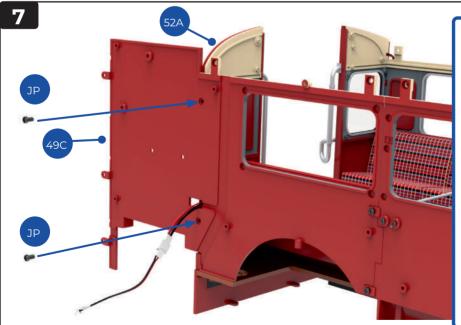






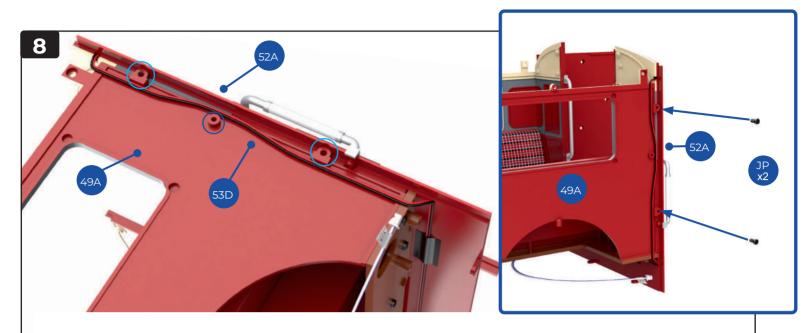


Fit the assembed rear entrance wall **52A** in place at the rear of the passenger compartment. At the same time, thread cable K (**53D**) through the hole in part **49C** near the bench seat. The inset above shows the view from the outside.





Working from the outside, fix the edge of the rear entrance wall **52A** in place using two **JP** screws. The inset (right) shows the wall in place with the **JP** screws circled in light blue.



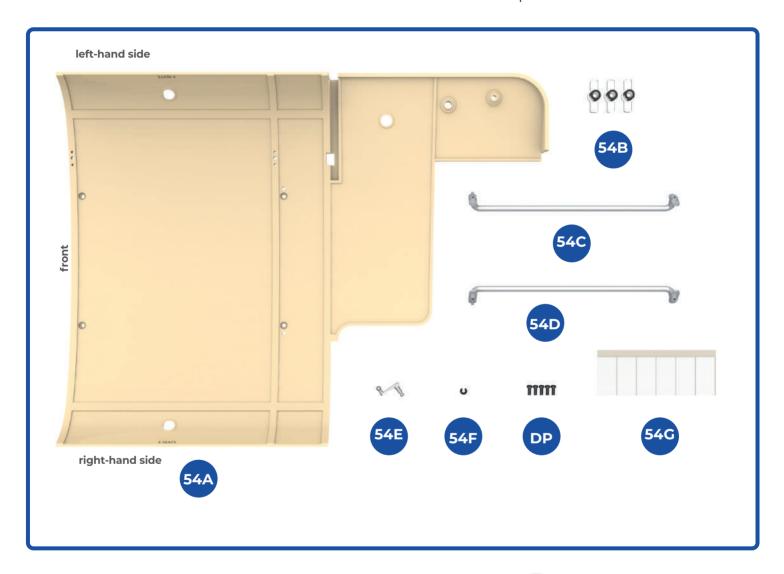
On the left-hand side of the rear entrance wall, make sure that the cable is on the outside of part **49A** (the left rear side wall). Arrange the cable **53D** around the screw sockets

as shown – in front of the larger sockets circled in light blue and behind the smaller socket circled in dark blue. Use two **JP** screws to fix the rear entrance wall in place (inset, above).



## FIRST SECTION OF THE LOWER DECK CEILING

The first part of the lower deck ceiling (for the rear of the bus) is supplied, together with handrails and lights. Follow the instructions to assemble the parts.



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

**54A** Rear lower deck ceiling panel

**54B** Ceiling lamps (x3) **54G** Tape strips (x6)

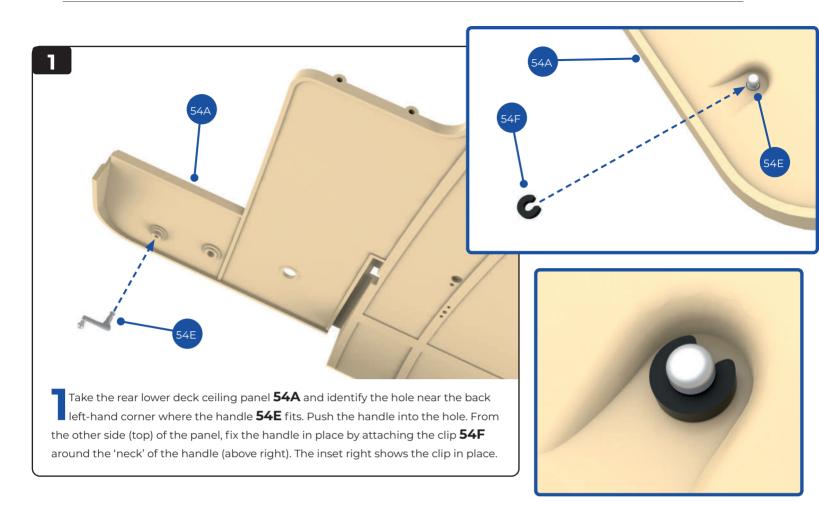
**54C** Left ceiling handrail

54D Right ceiling handrail54E Handle

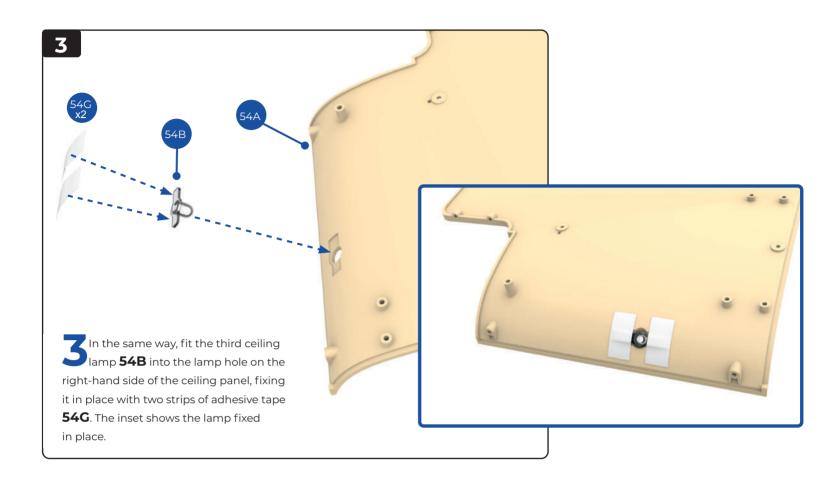
eiling handrail **DP** 1.7 x 4mm (x5)

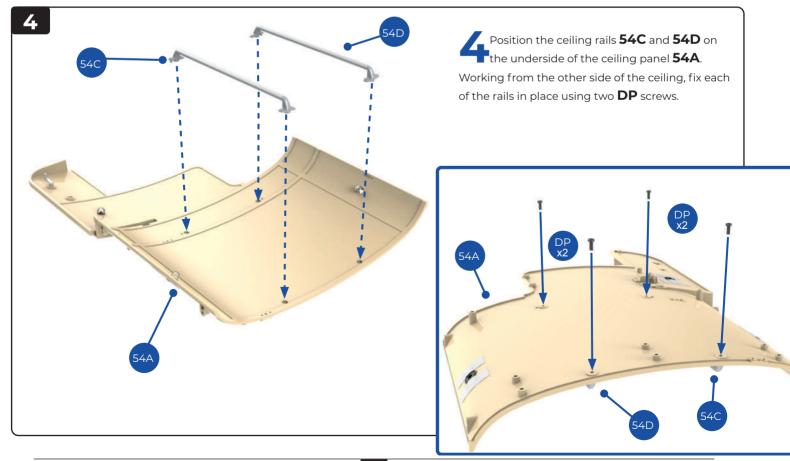
**54F** Clip

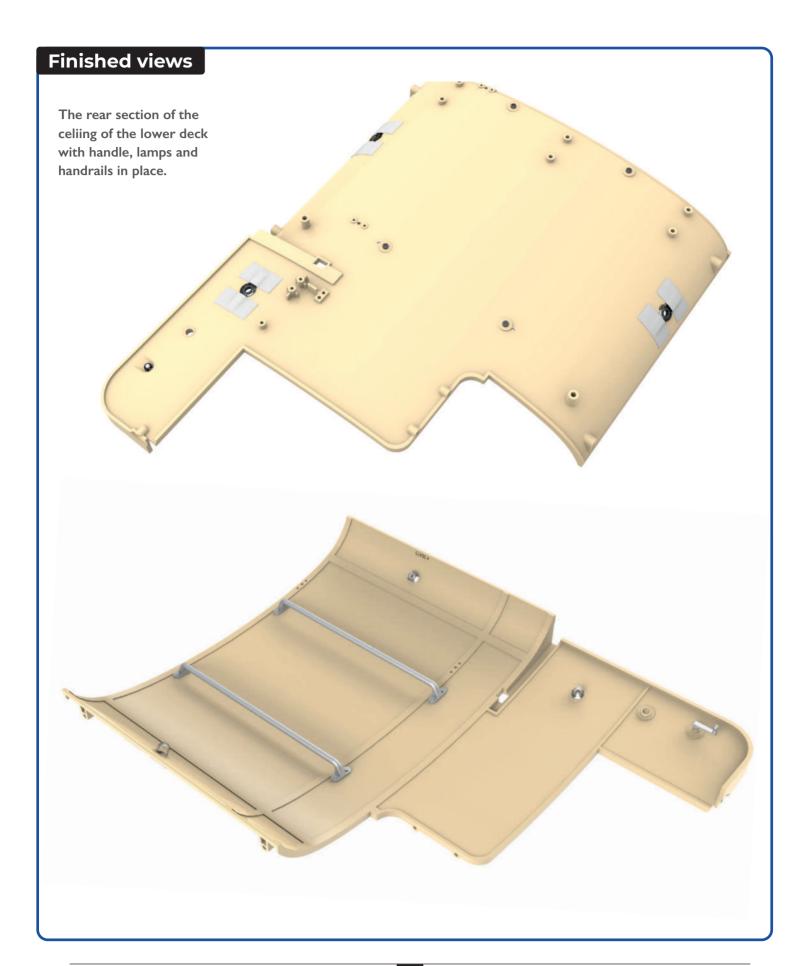
In the image above, the ceiling is viewed from below (as you would see it from inside the lower deck). We have labelled the edges for clarity.





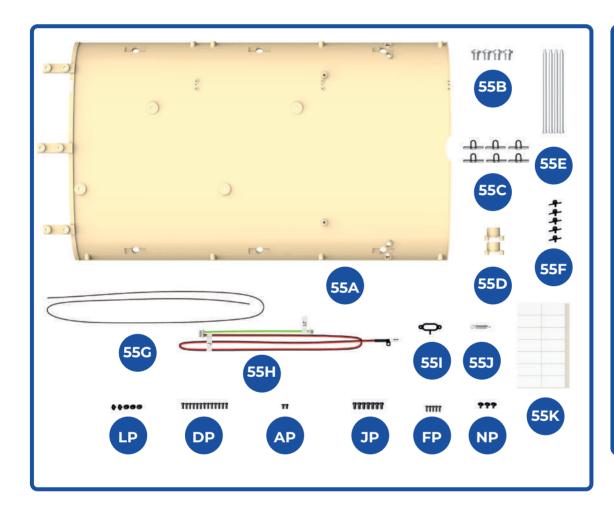




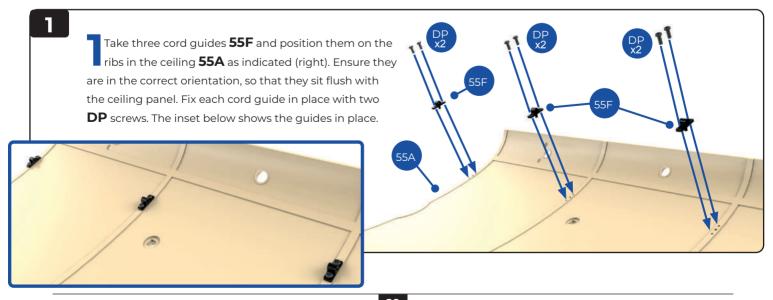


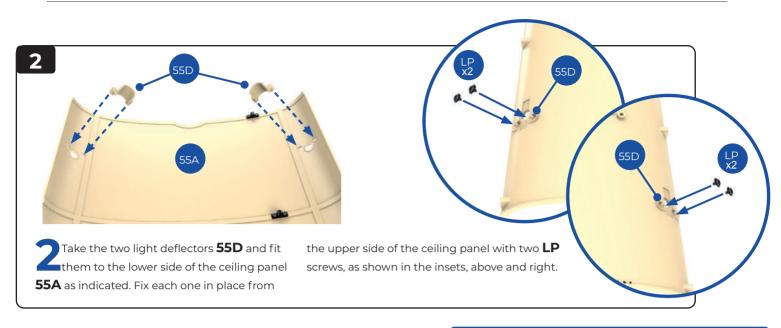
## ROOF PANEL AND BELL CORD

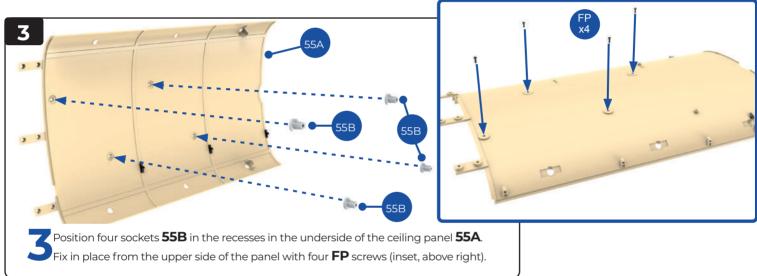
Cord guides and ceiling lamps are fitted to the ceiling panels of the lower deck. The panels are connected and the bell cord is fitted.

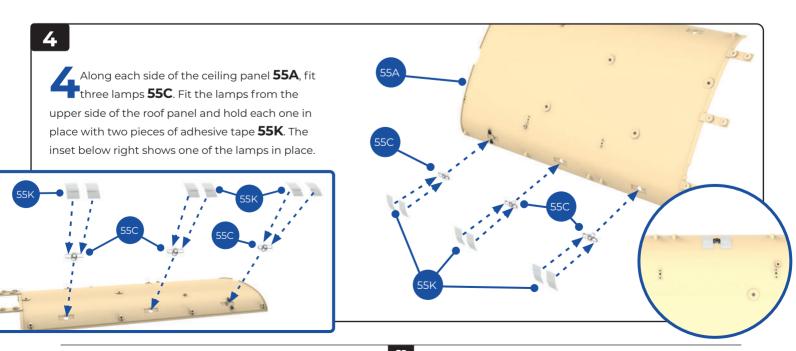


#### **KEY TO PARTS 55A** Main roof section **55B** Sockets (x4) **55C** Ceiling lamps (x6) **55D** Light deflector (x2)**55E** Poles (x4) **55F** Cord guide (x5) **55G** Cord **55H** Cable J-J1 **551** Control slider **55J** Spring **55K** Tape strips (x13) LP 1.7 x 2.5 x 5mm (x5) 1.7 x 4mm (x13) AP 1.7 x 3mm (x2) JP 2.3 x 4mm (x7) FP 1.5 x 4mm (x5 1.7 x 4 x 5mm (x3)

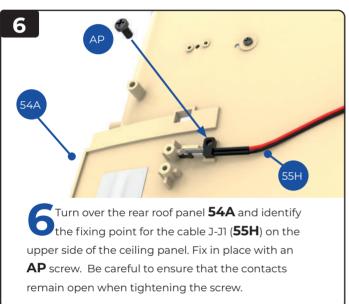


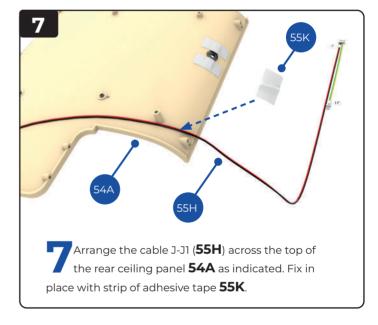


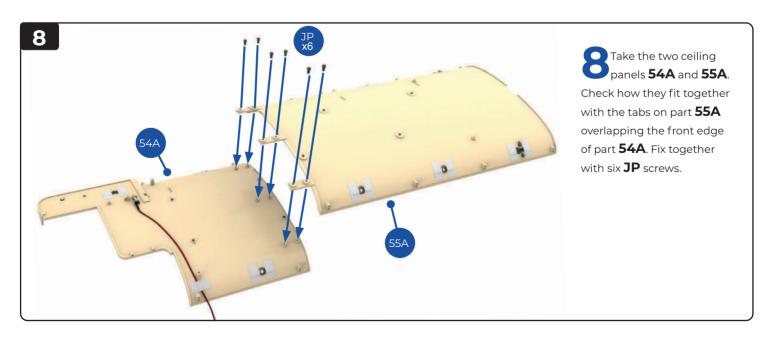


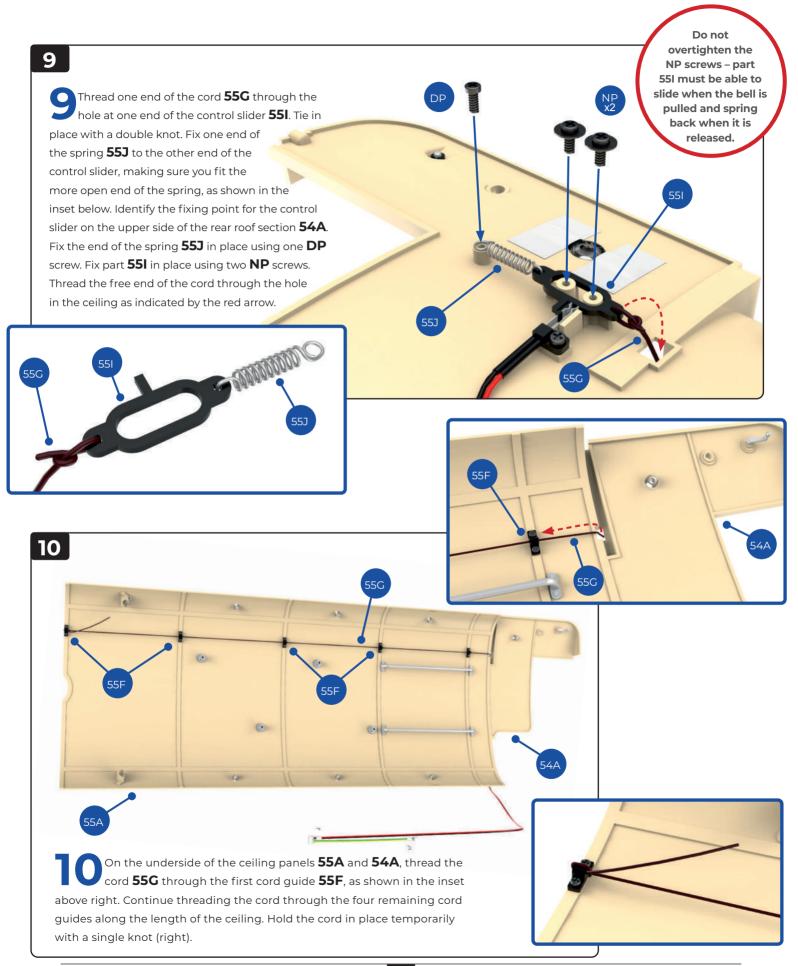


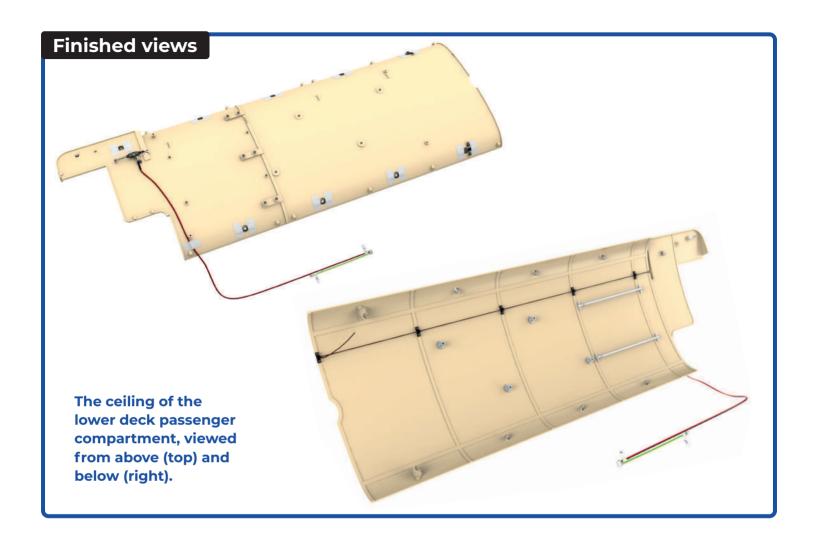


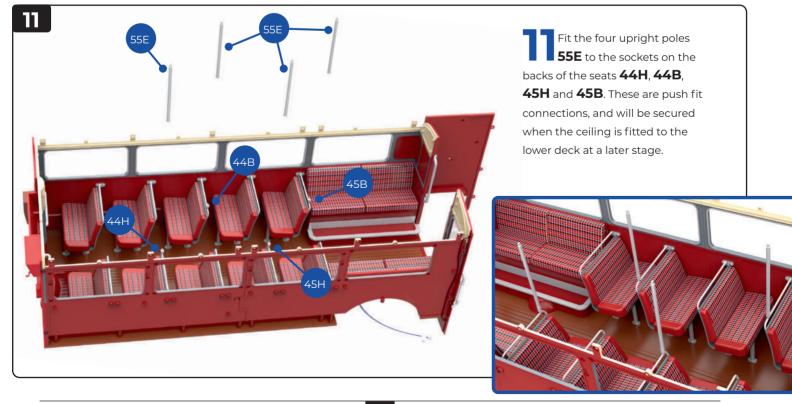






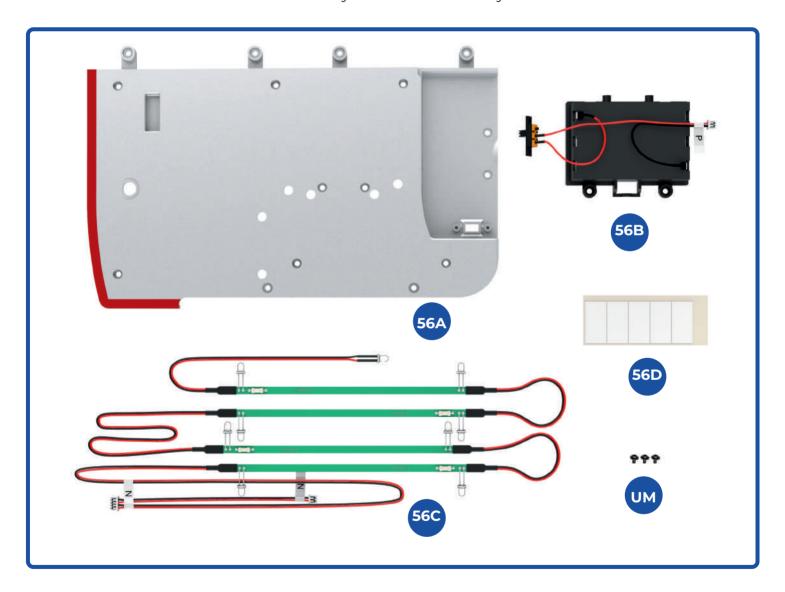






## WIRING THE LIGHTING ON THE LOWER DECK

In this stage, we supply the wiring, complete with LEDs, for the lower deck lighting, along with the battery box. Follow the assembly instructions carefully.



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

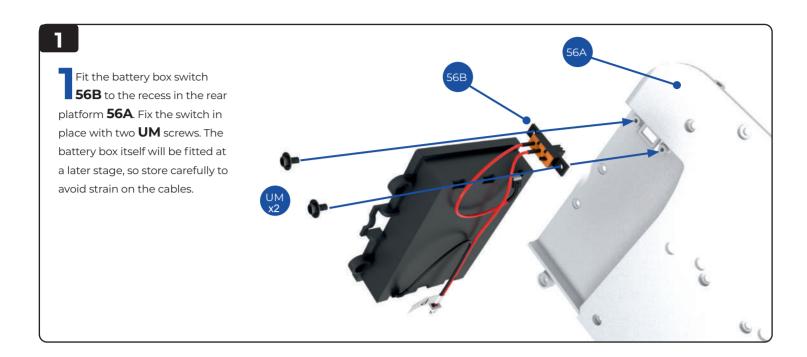
**56A** Rear platform

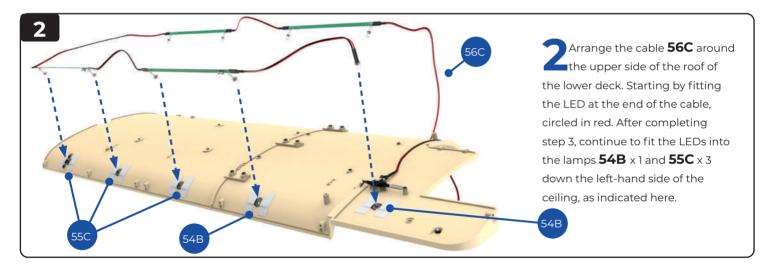
**56B** Battery box and switch

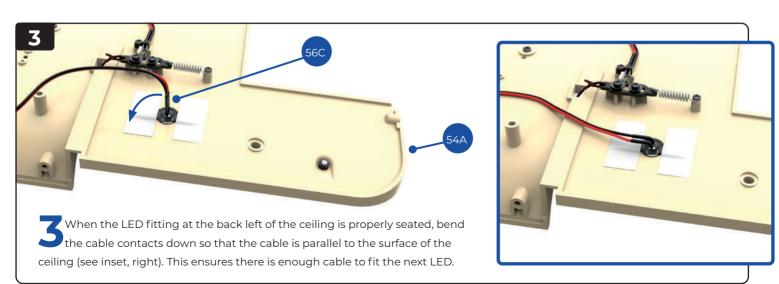
**56C** LED cable

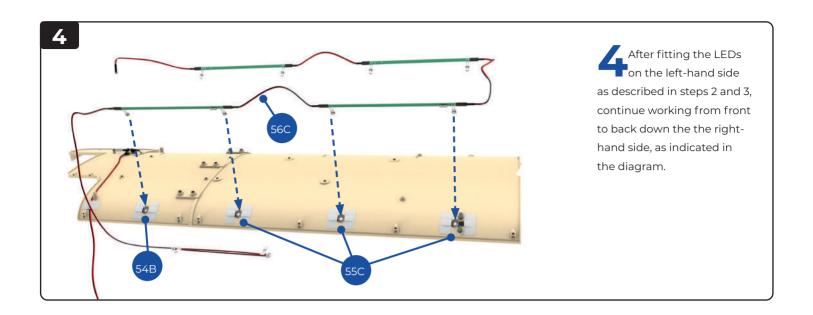
**56D** Tape strips (x5)

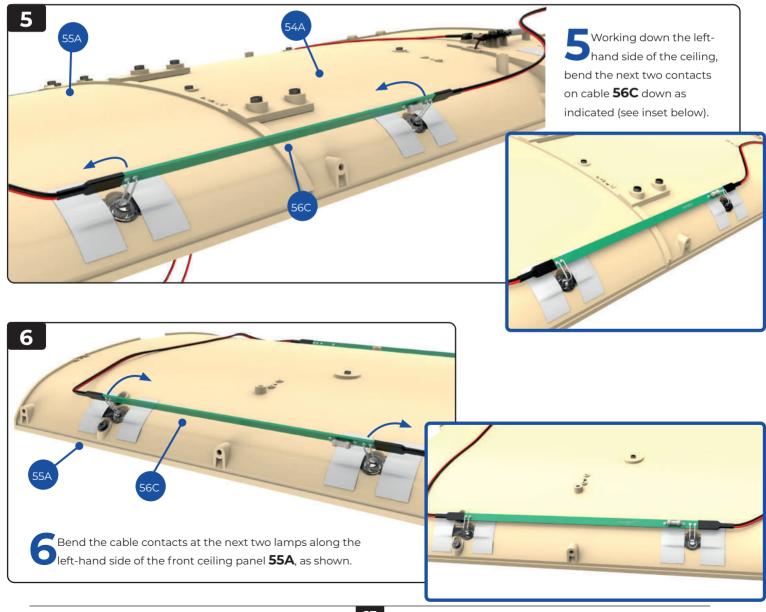
**UM** 1.5 x 3 x 6mm (x3)

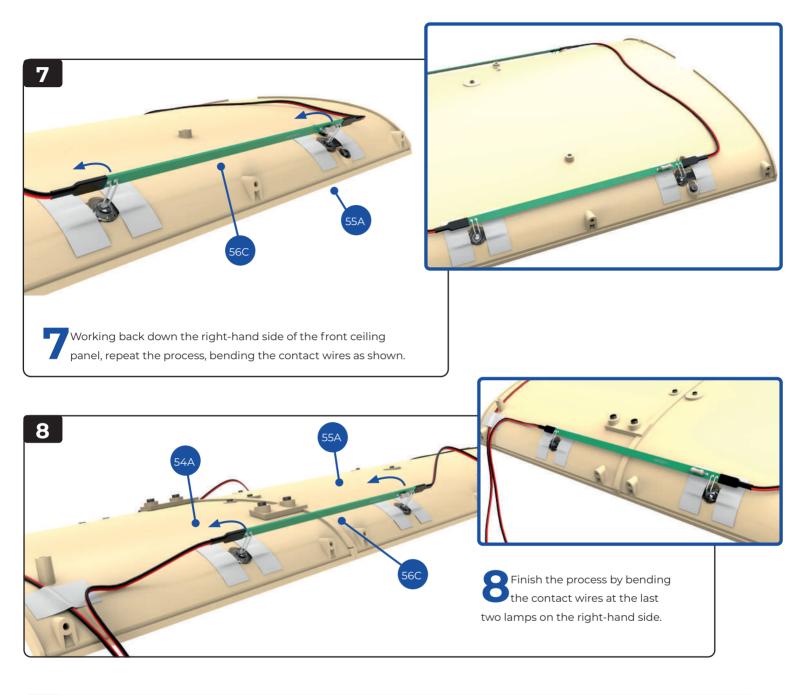




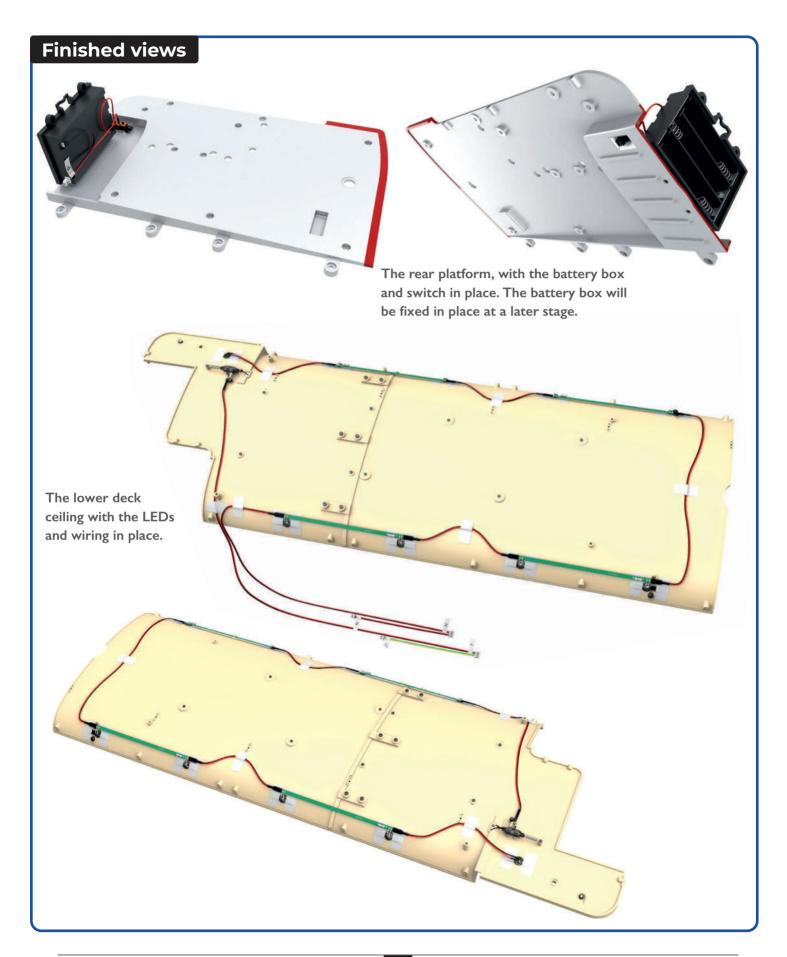






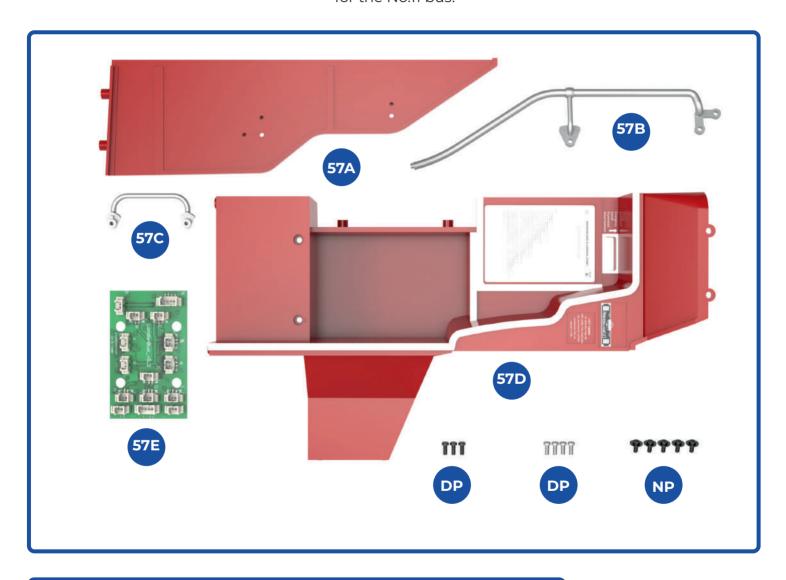






# STAIRCASE STRUCTURE AND CIRCUIT BOARD

A railing, handrail and circuit board are fitted to the staircase structure, which comes complete with Route information for the No.11 bus.



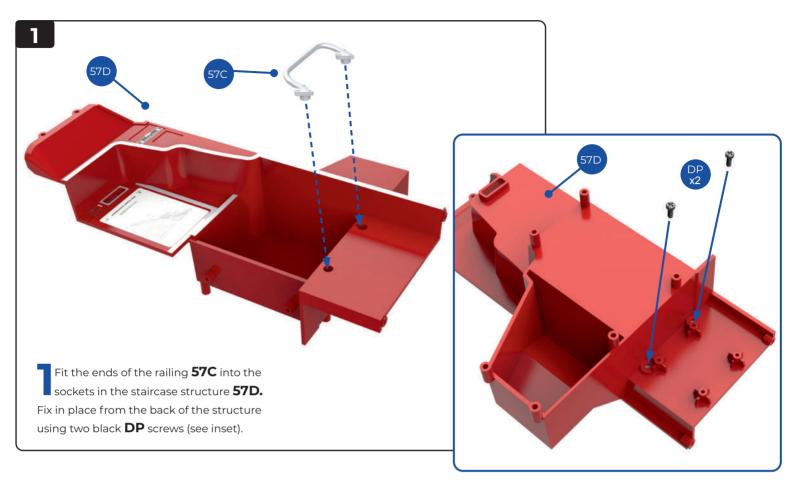
#### **KEY TO PARTS SUPPLIED**

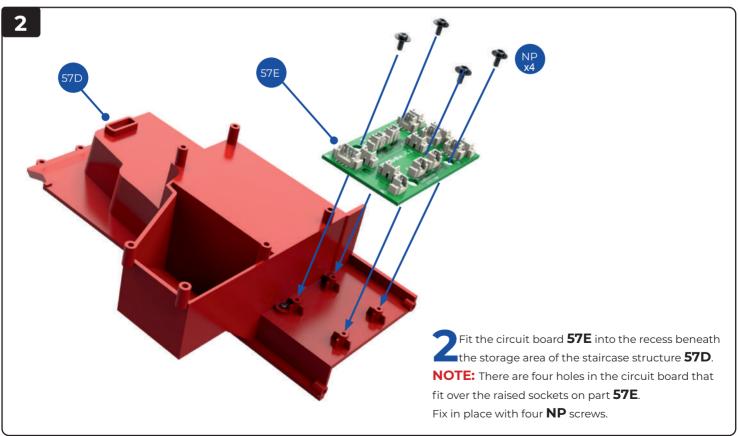
 57A
 Staircase wall
 DP
 1.7 x 4mm (x3 black)

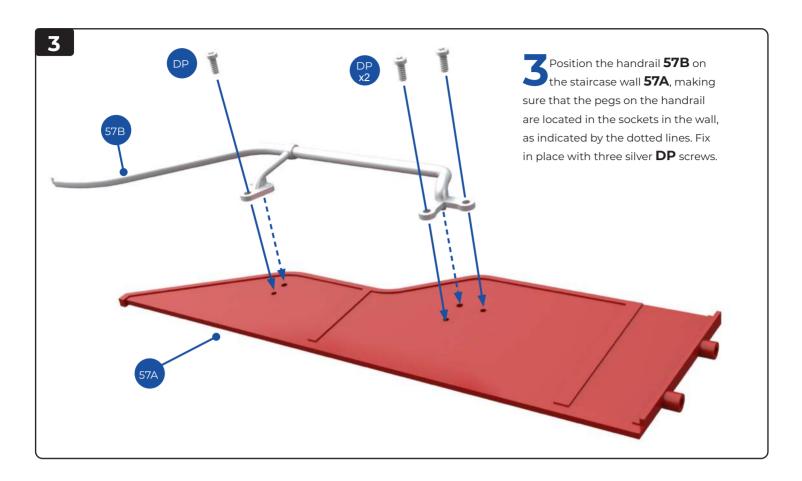
 57B
 Handrail
 DP
 1.7 x 4mm (x4 silver)

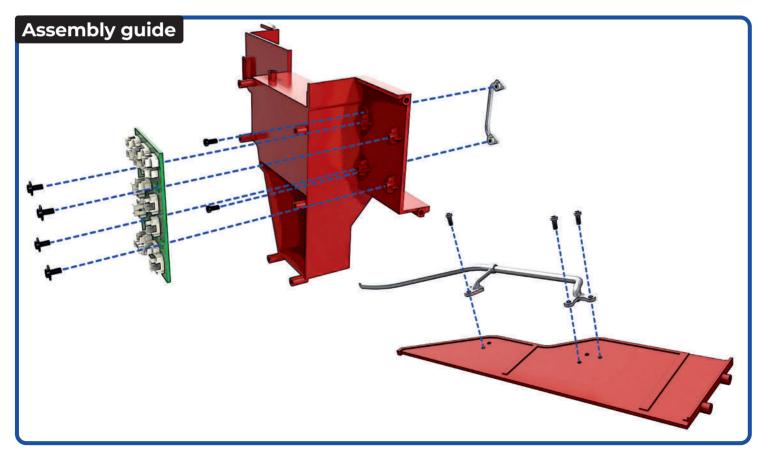
 57C
 Railing
 NP
 1.7 x 4 x 5mm (x5)

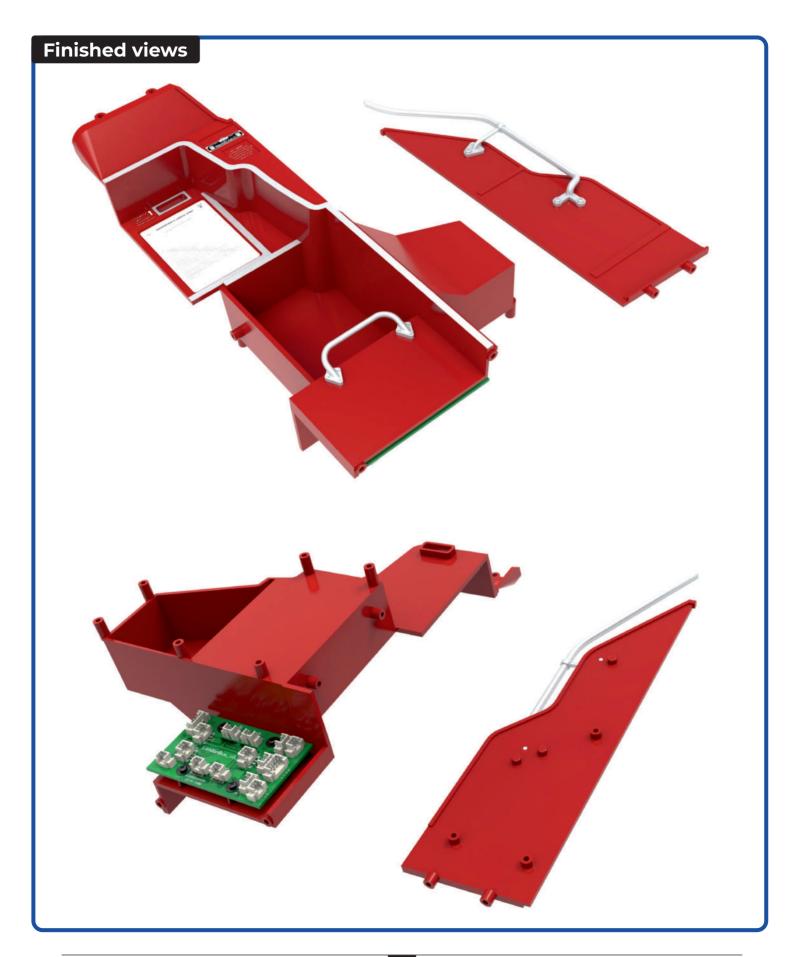
57D Staircase structure57E Circuit board





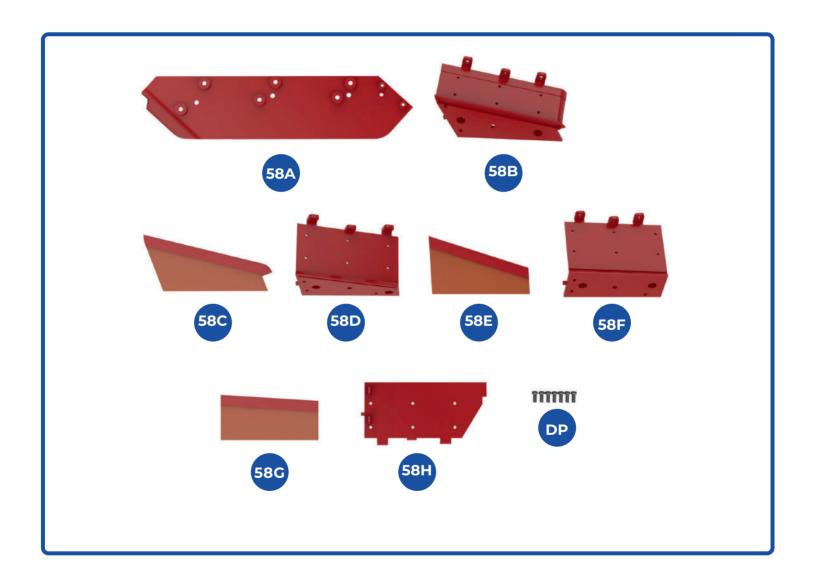






## ASSEMBLING THE TOP THREE STEPS

Parts are supplied for the remaining three steps, together with side panels, which will be fitted later.



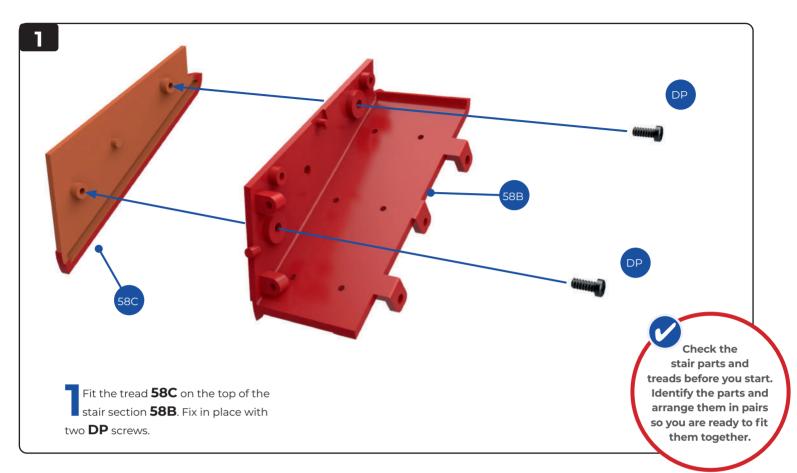
#### **KEY TO PARTS SUPPLIED**

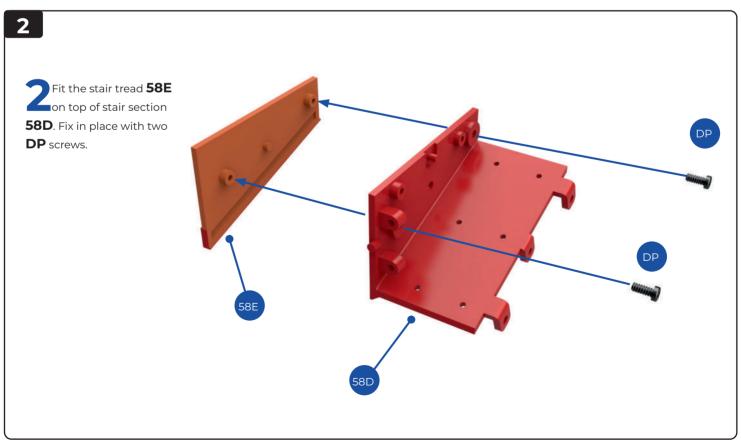
58A Stair side panel
58B Stair section
58G Tread

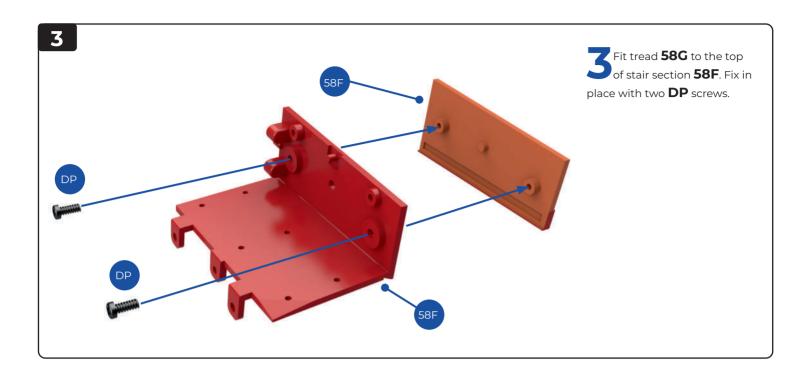
**58C** Tread **58H** Stair side panel

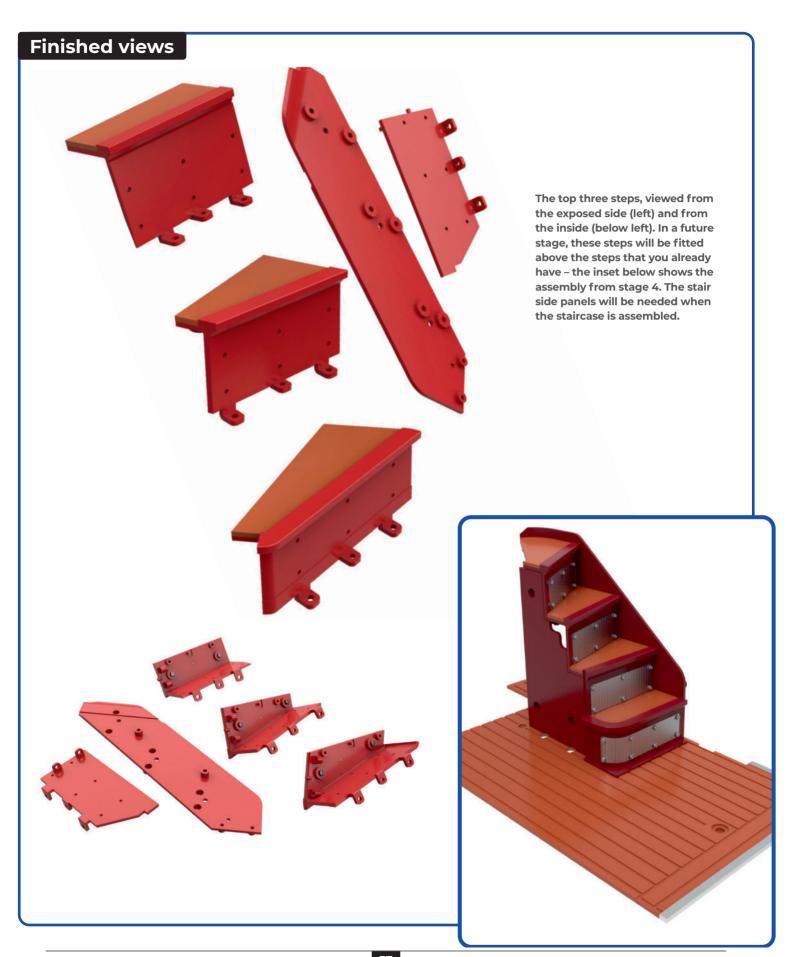
**58D** Stair section

**58E** Tread **DP** 1.7 x 4mm (x7)



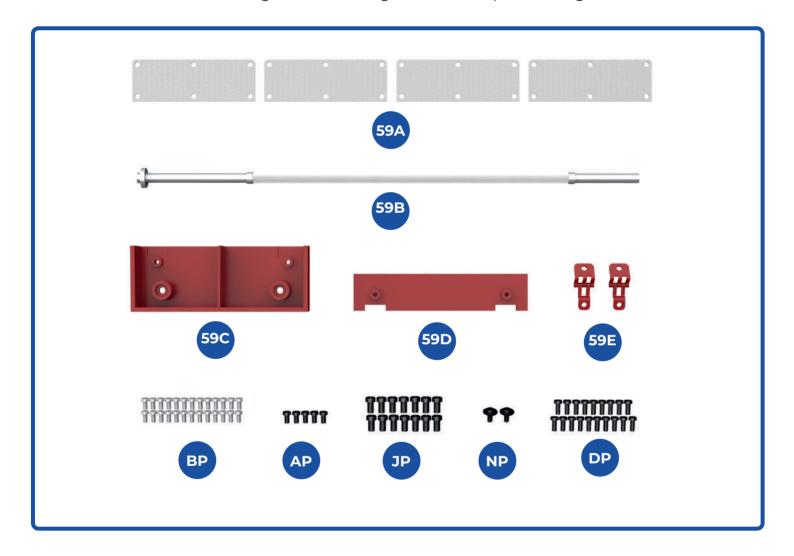






## KICK PLATES AND STAIRWAY ASSEMBLY

Kick plates are fitted to the front of the steps assembled in the previous stage. We then go on to assemble all of the steps, connecting those from stage 58 to the steps from stage 4.



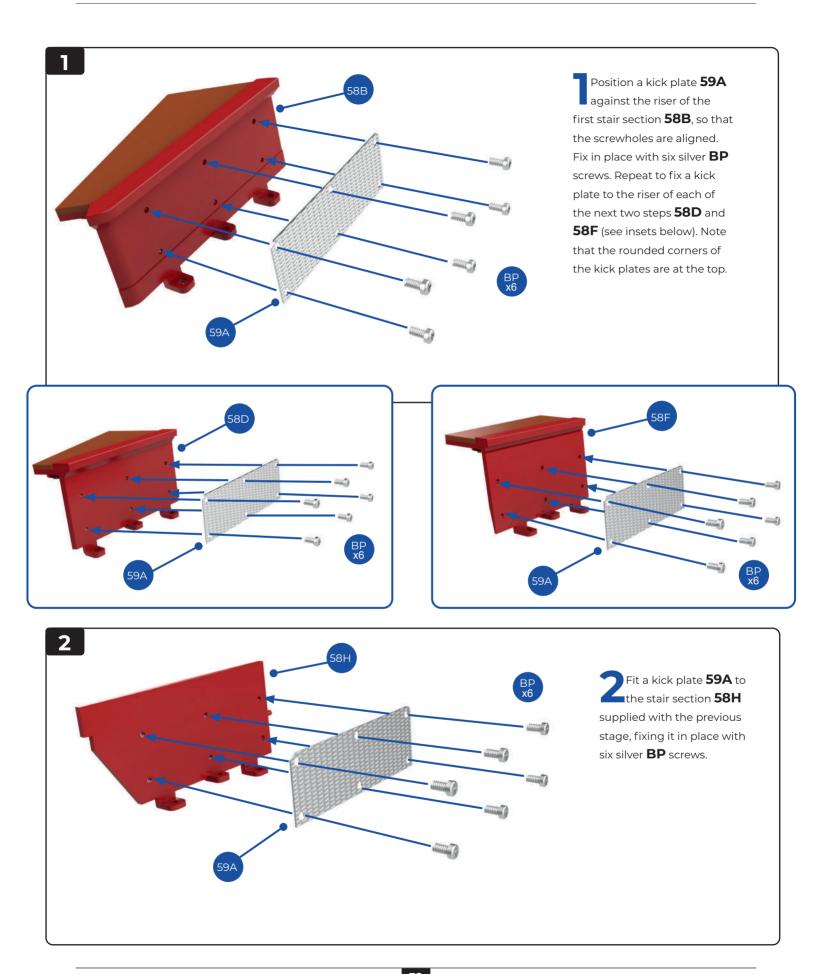
#### **KEY TO PARTS SUPPLIED**

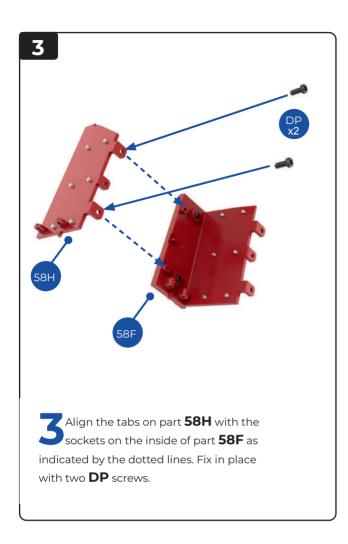
**59A** Kick plate (x4) **BP** 1.5 x 3mm (x26 silver ) **59B** Pole **AP** 1.7 x 3mm (x5)

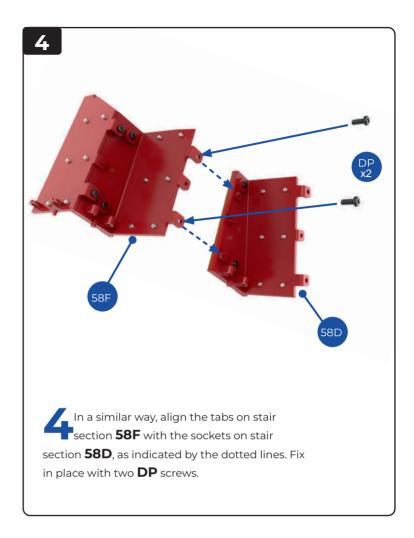
**59C** Box
 **JP** 2.3 x 4mm (x14)

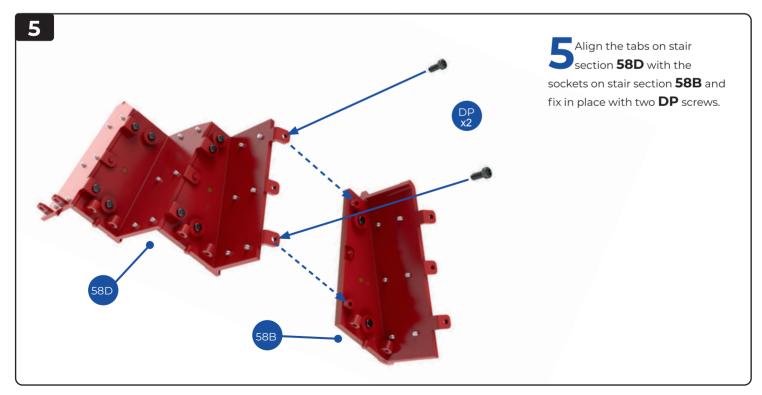
 **59D** Box lid
 **NP** 1.7 x 4 x 5mm (x2)

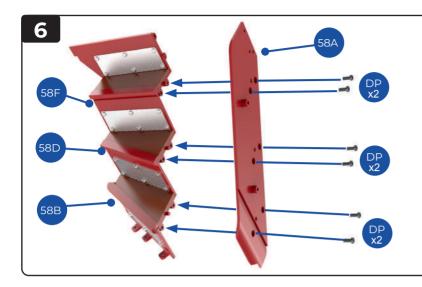
 **59E** Hinge (x2)
 **DP** 1.7 x 4mm (x19)



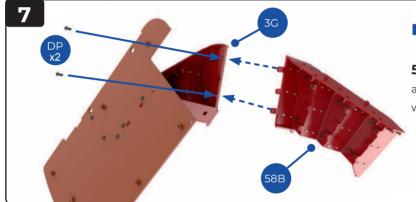




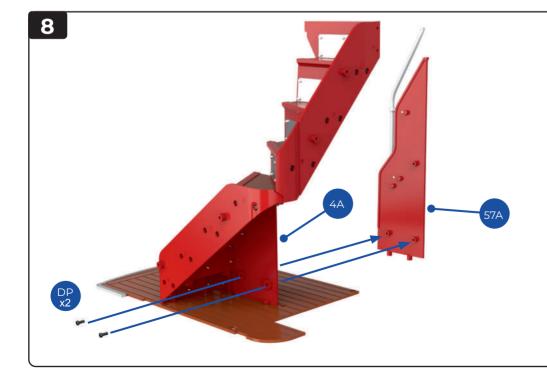




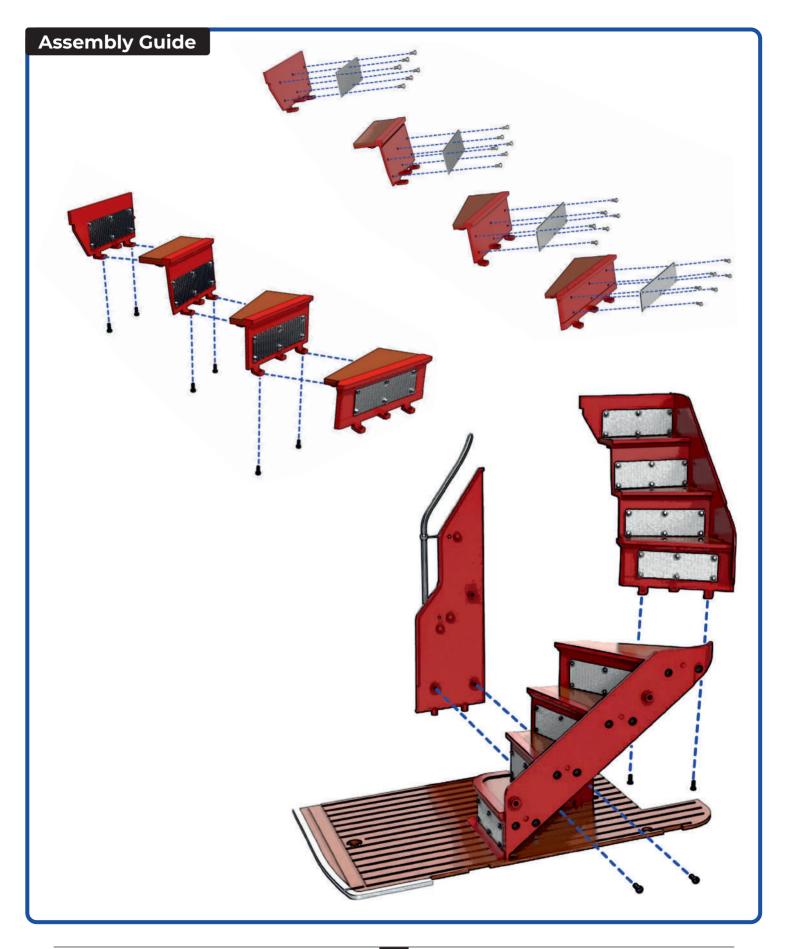
Take the stair side section **58A** supplied with the previous stage. Position it against the sides of the three steps that were assembled in steps 3, 4 and 5. Fix the side section **58A** in place with two **DP** screws going into the screw sockets on the ends of each of the stair sections **58F**, **58D** and **58B**.



Take the stair section and platform assembly from stage 4. Align the tabs on the lower edge of part **58B** with the sockets on the top step (**3G**) of the earlier assembly, as indicated by the dotted lines. Fix in place with two **DP** screws.

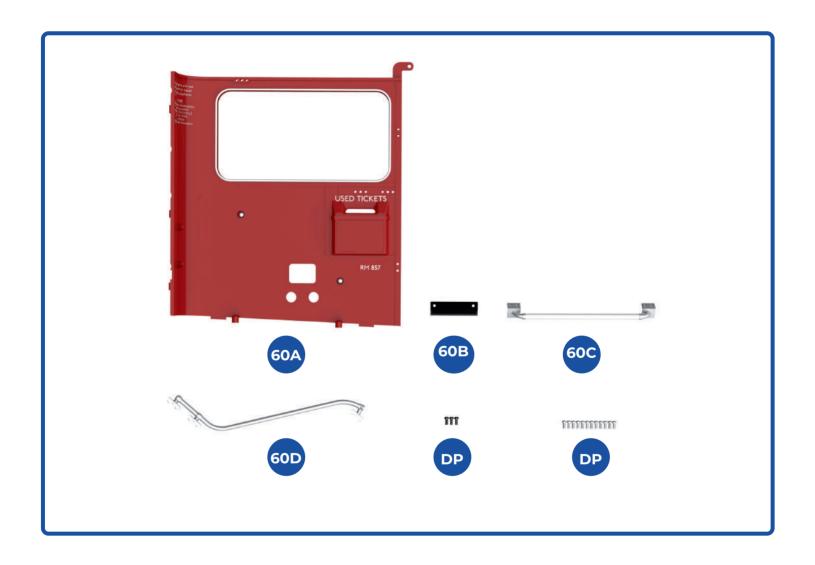


Take the staircase wall **57A** and align it with the inner edge of the stair assembly, so that **57A** is positioned vertically against the inside of the stair assembly **4A**. Fix in place with two **DP** screws.



## PLATFORM AREA AND REAR WALL

We continue work on the stairs and platform area, and assemble the rear wall of the bus.



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

60A Platform rear wall
 60B Back of used tickets box
 DP 1.7 x 4mm (x3 black)
 DP 1.7 x 4mm (x12 silver)

60C Hand rail60D Hand rail



