

LONDON TRANSPORT ROUTEMASTER BUS

RM 857



Pack 12

BUILD INSTRUCTIONS

STAGE 111: PANEL FOR THE NEARSIDE, PLUS
BLIND PANEL AND TRIMS

STAGE 112: THE FIRST PANEL FOR THE
LOWER DECK

STAGE 113: THE LAST PANEL FOR THE NEARSIDE

STAGE 114: THE NEXT PANEL FOR THE OFFSIDE
OF THE UPPER DECK

STAGE 115: ANOTHER PANEL FOR THE OFFSIDE OF
THE UPPER DECK

STAGE 116: PANEL FOR THE REAR OFFSIDE
OF THE BUS

STAGE 117: PANEL AND DETAILS FOR THE
OFFSIDE LOWER DECK

STAGE 118: THE LAST PANEL FOR THE OFFSIDE
LOWER DECK

STAGE 119: COVERS FOR THE BATTERIES AND
BATTERY COMPARTMENT

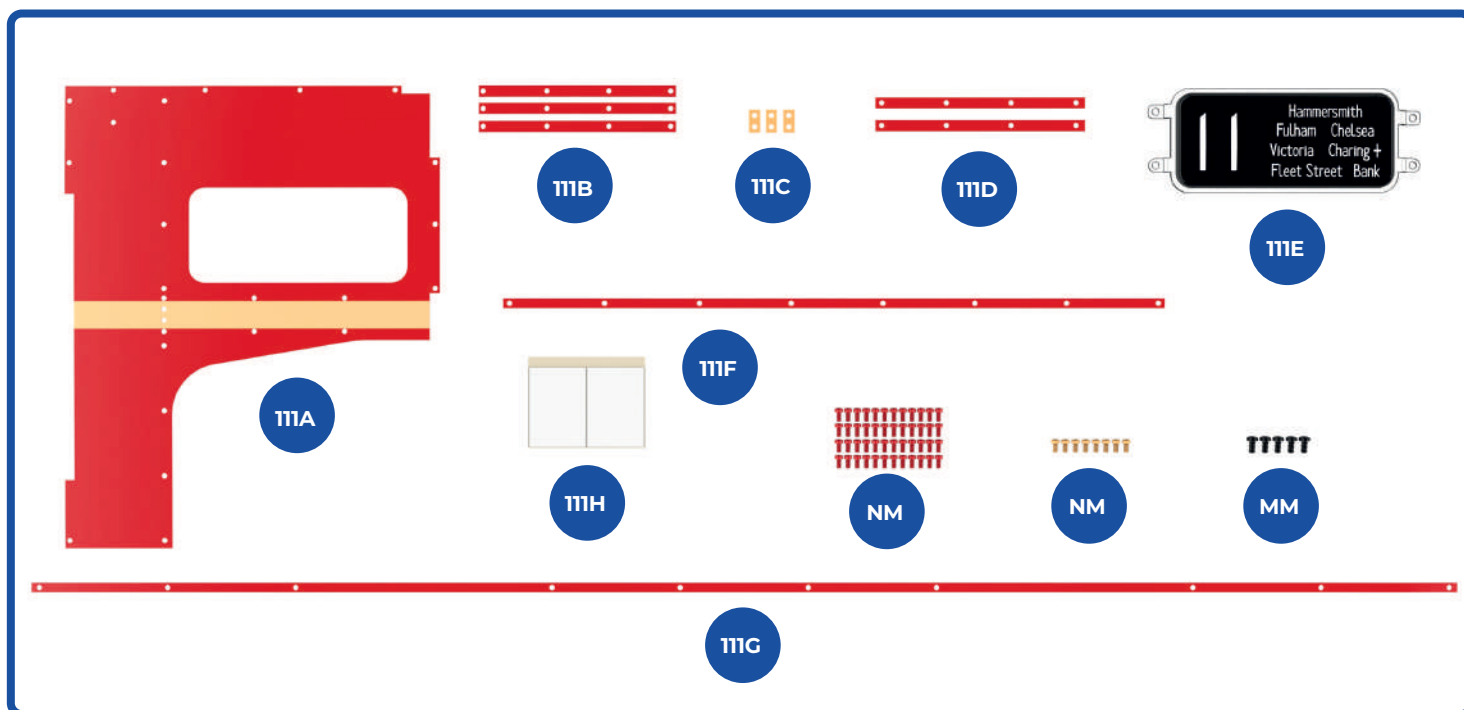
STAGE 120: ADVERTISEMENTS AND
INDICATORS

STAGE 121: WINDSCREEN WIPER, MIRRORS AND
ADVERTISING STICKERS

STAGE III

PANEL FOR THE NEARSIDE, PLUS BLIND PANEL AND TRIMS

The outer panel supplied with this stage goes over the platform, with a window for the blind panel. Side strips are also supplied and fitted.

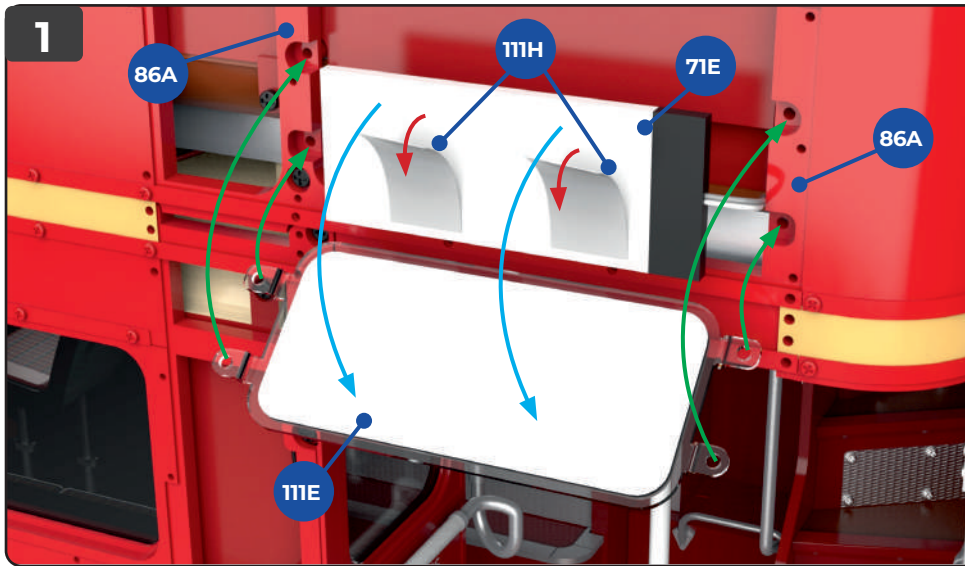


KEY TO PARTS SUPPLIED

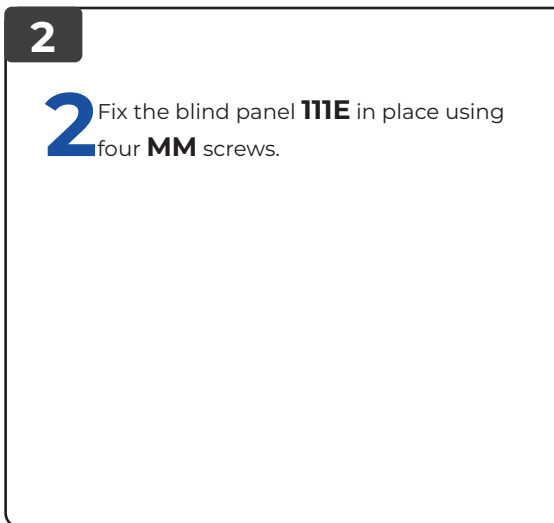
- 111A** Side panel
- 111B** Side strip, marked A197B (x3)
- 111C** Cream side strip, marked A167B (x3)
- 111D** Side strip, marked A197C (x2)
- 111E** Blind panel
- 111F** Side strip, marked A189
- 111G** Side strip, marked B119
- 111H** Double-sided tape (x2)
- NM** 1.5 x 3mm (x48, red)
- NM** 1.5 x 3mm (x8, cream)
- MM** 2.0 x 4mm (x5)

Due to a manufacturing error, you may find that the double-sided tape has been stuck to the wrong side of the blind LED **71E** (see step 1).

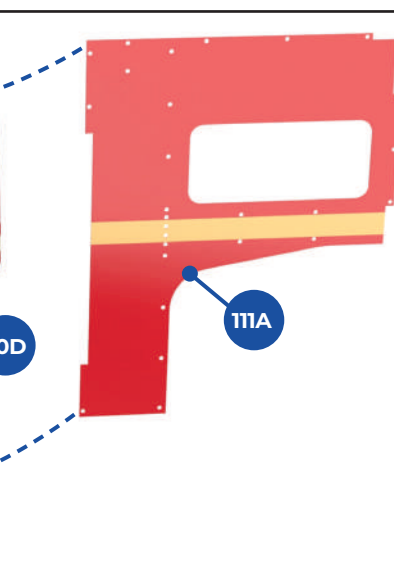
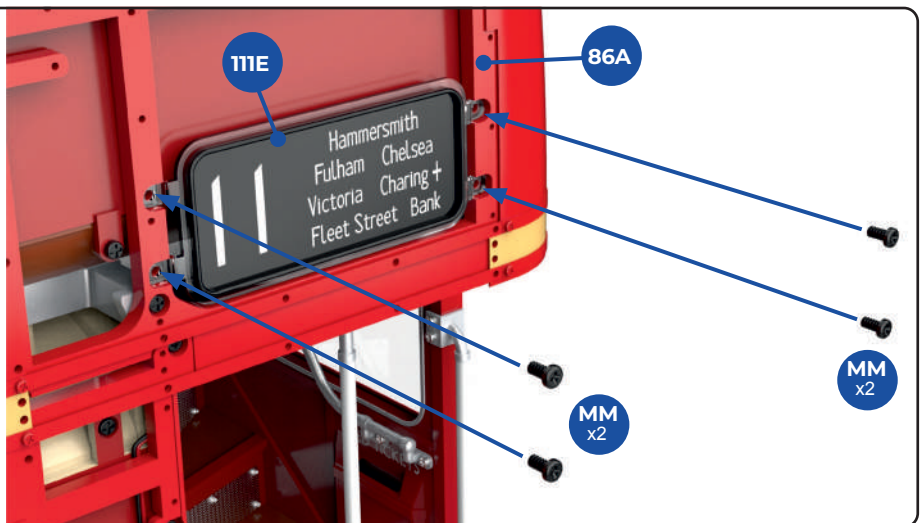
We have supplied two extra pieces of double-sided tape with this stage. Start by sticking these in place on the LED, evenly spaced, then follow the rest of the instructions.



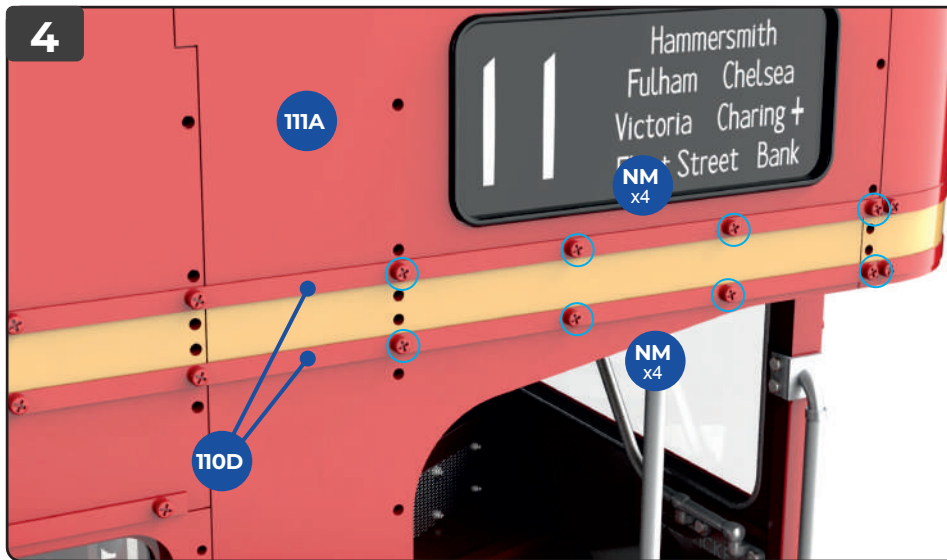
1 Peel the backing paper from the double-sided tape **111H**, on the LED **71E**. Hold the blind panel **111E** as shown and bring the light **71E** down so that you can stick it in place on the back of the blind panel (blue arrows). Position the white part of the light centrally to ensure even illumination of the blind panel. Then position the blind panel **111E** against the upper deck frame **86A** so that the screw holes are aligned as indicated by the green arrows.



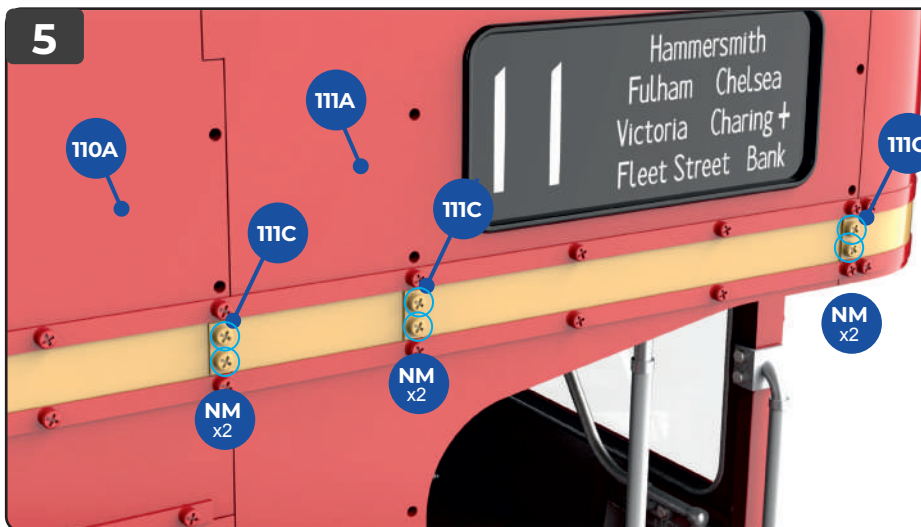
2 Fix the blind panel **111E** in place using four **MM** screws.



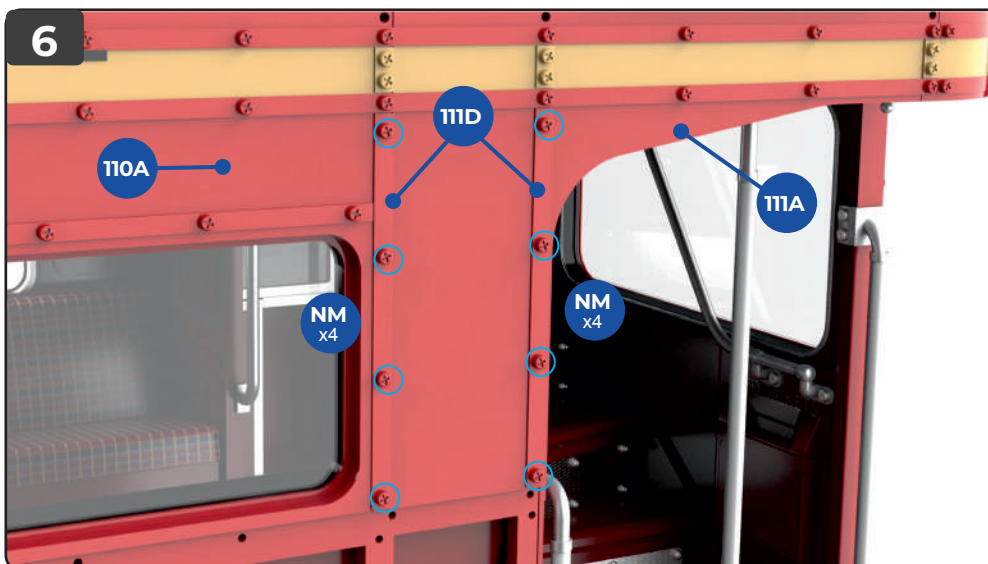
3 Fit the side panel **111A** in place, sliding it beneath the ends of the side strips **110D**, which are not secured. The stepped edges down the sides of part **111A** should fit between the outer panels that have been fixed in place already, giving a flush finish. Screw holes in part **111A** should be aligned with screw holes in the frame **86A**.



4 Fix the free ends of the strips **110D** in place, through the side panel **111A** and into the frame behind, using four **NM** screws for each strip (circled).



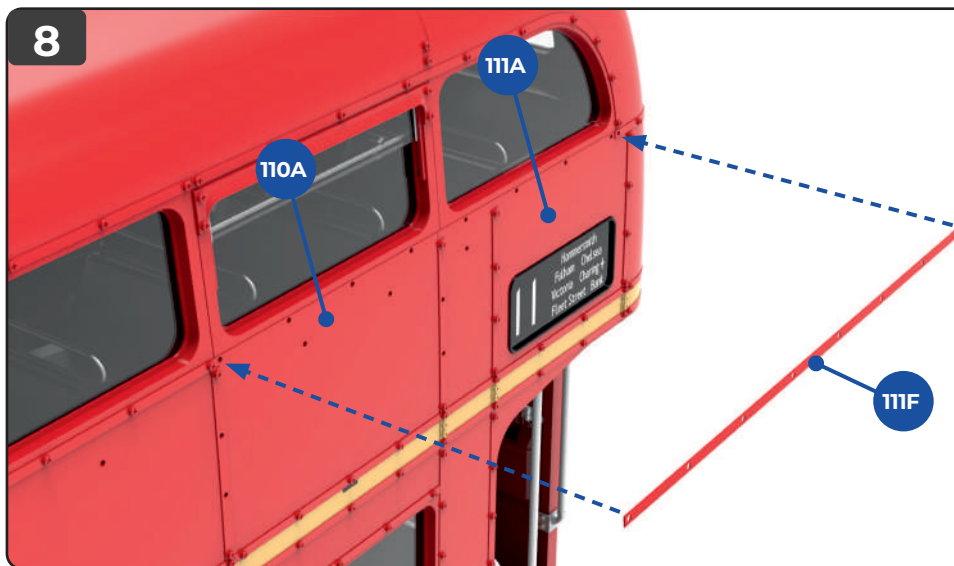
5 Take the three cream side strips **111C** (marked A167B). One at a time, fit them vertically across the cream band on outer panels **110A** and **111A**. When you are happy with the fit, fix each one in place with two cream **NM** screws (circled).



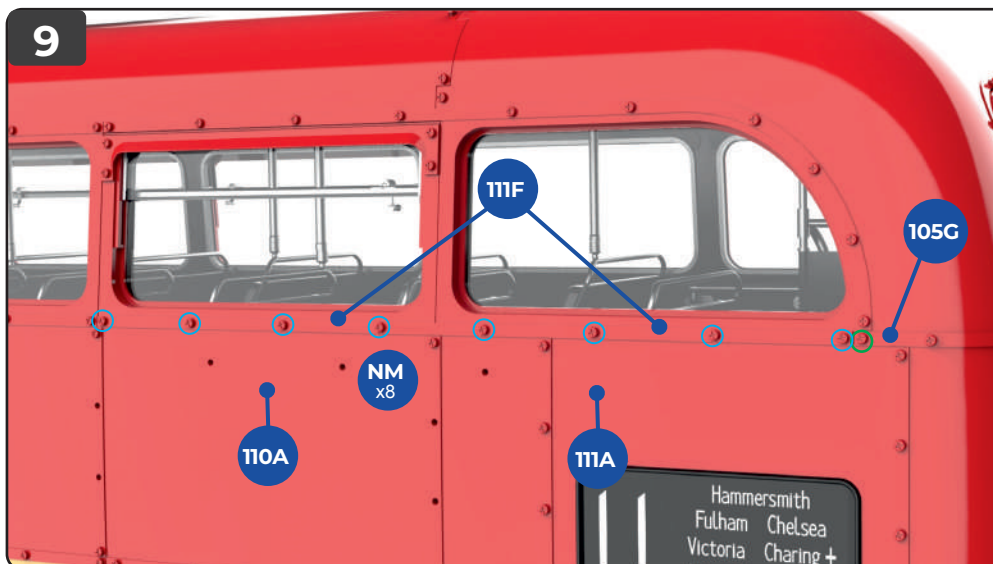
6 Take the two red side strips **111D**, marked A197C. These fit vertically, one next to the rear nearside window and the other next to the platform opening. When you are happy with the fit, fix each one in place with four red **NM** screws (circled).



7 Take the three strips **111B**, marked A197B. The first one is fitted over the seam between parts **110A** and **111A**. Fix the first strip in place with two red **NM** screws, one at the top and one at the bottom (circled). The next two strips **111B** fit vertically on either side of the blind panel. Fix each one in place with four red **NM** screws (circled). The strip at the rear nearside covers the seam between panels **111A** and **105A**.



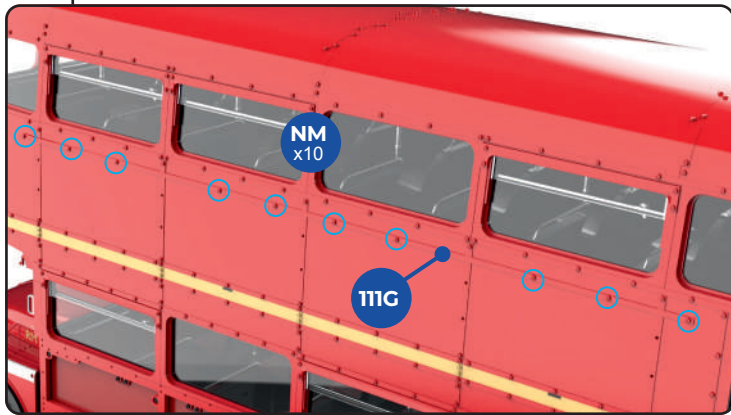
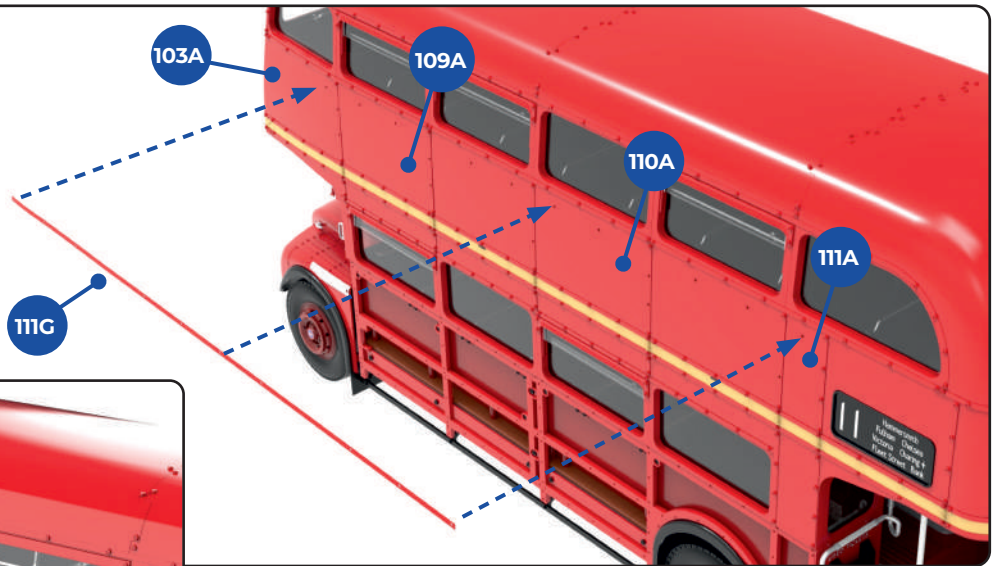
8 Take strip **111F** and position it beneath the rear two upper deck windows. Note that the strip is not symmetrical, so make sure that all the screw holes are aligned as shown.



9 Fix strip **111F** in place using a total of eight red **NM** screws (circled in blue). At the rear nearside of the upper deck, fix the free end of strip **105G** in place using a red **NM** screw (circled in green).

10

10 Side strip **111G**, marked B119, fits along the length of the model so that screw holes in **111G** align with holes in the outer panels **103A**, **109A**, **110A** and **111A**, as shown. Fix in place with a total of ten red **NM** screws (circled in inset below).



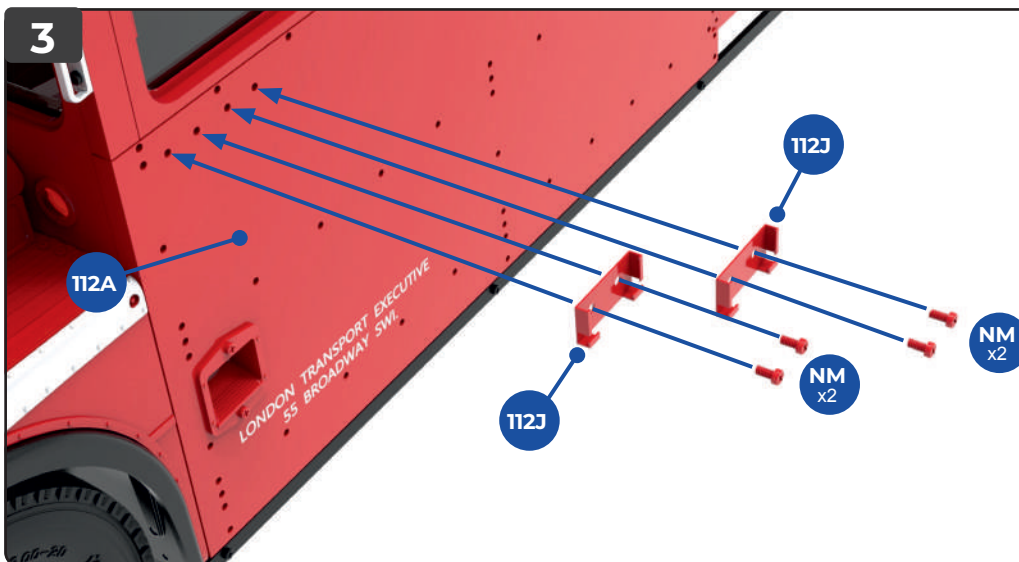
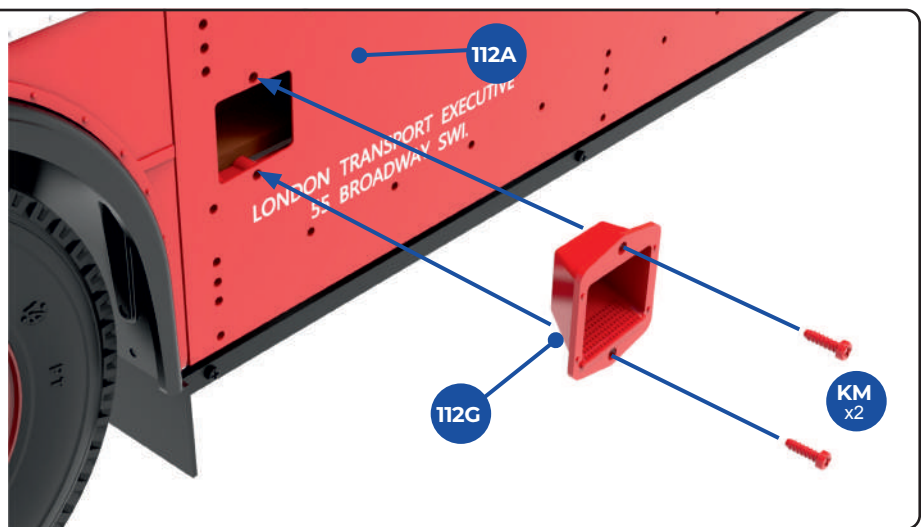
Finished view



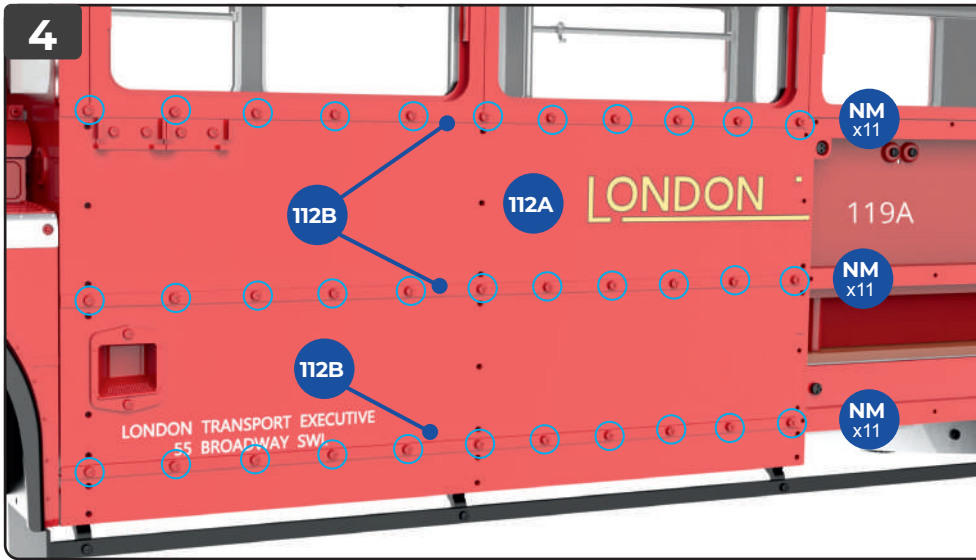


1 Take the panel **112A** and position it against the frame **91A**. The lip at the front of the panel wraps around the edge of the frame, fitting between the frame and the nearside wing.

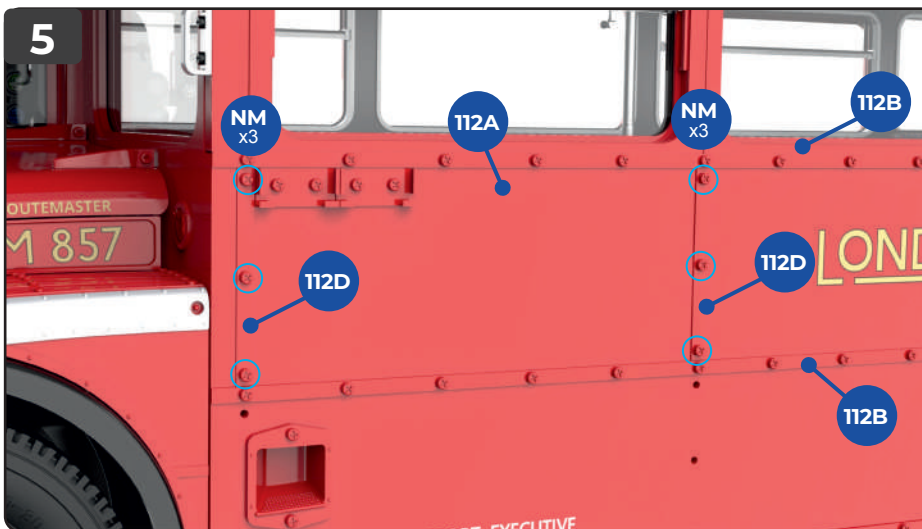
2 Holding the panel **112A** in place, fit the inset step **112G** into the recess, as shown. Note that the grip forms the lower surface of the inset step. Fix in place with two red **KM** screws.



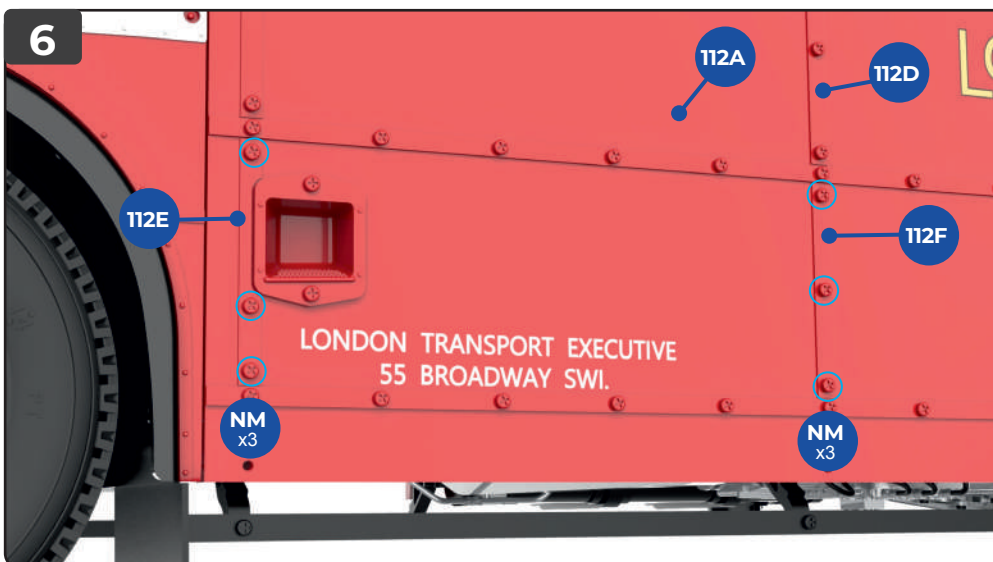
3 One at a time, take the brackets **112J**. Identify the two pairs of screw holes in part **112A**. Fix each of the brackets in place using two red **NM** screws.



4 One at a time, take the three strips **112B** (marked A163). Check the alignment of the screw holes before fixing. Position the first one along the top of panel **112A**, beneath the lower deck windows, so that the screw holes are aligned. Fix in place with eleven red **NM** screws. The second strip runs along the centre of panel **112A** and the third strip fits a short distance above the lower edge of the panel. Fix each strip in place with eleven red **NM** screws (circled).



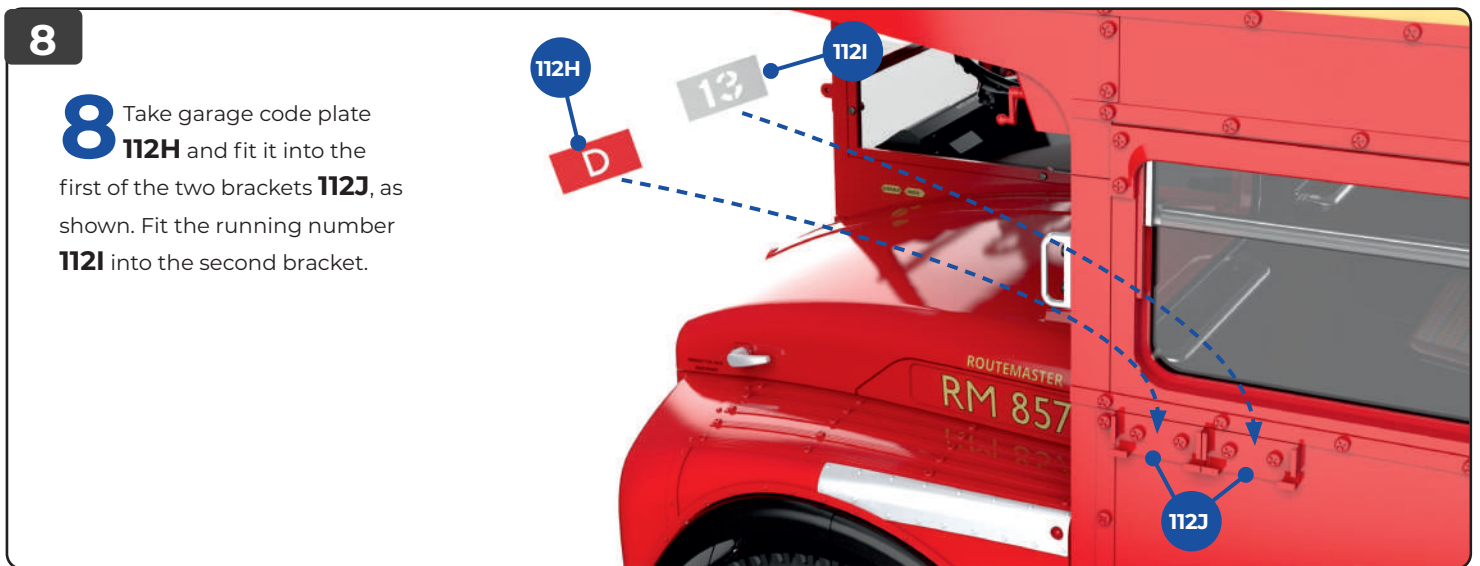
5 Take the two side strips **112D** (marked A164). One at a time, fit them vertically between the upper two strips **112B**, fitted in the previous step. When you are happy with the fit, fix each one in place with three red **NM** screws (circled).



6 Take the side strip **112E** (marked A165). Position it vertically near the front of the panel **112A**, so that the recess in the strip fits around the edge of the inset step **112C**. Fix in place with three red **NM** screws. Fit strip **112F** (marked A166) vertically down the centre of panel **112A**, in line with strip **112D** (fitted in the previous step). Fix in place with three red **NM** screws.



7 The two short strips **112C**, marked A167, fit vertically at the lower edge of the panel **112A**, in line with the strips fitted in the previous step. Fix each one in place with two red **NM** screws (circled).



8 Take garage code plate **112H** and fit it into the first of the two brackets **112J**, as shown. Fit the running number **112I** into the second bracket.

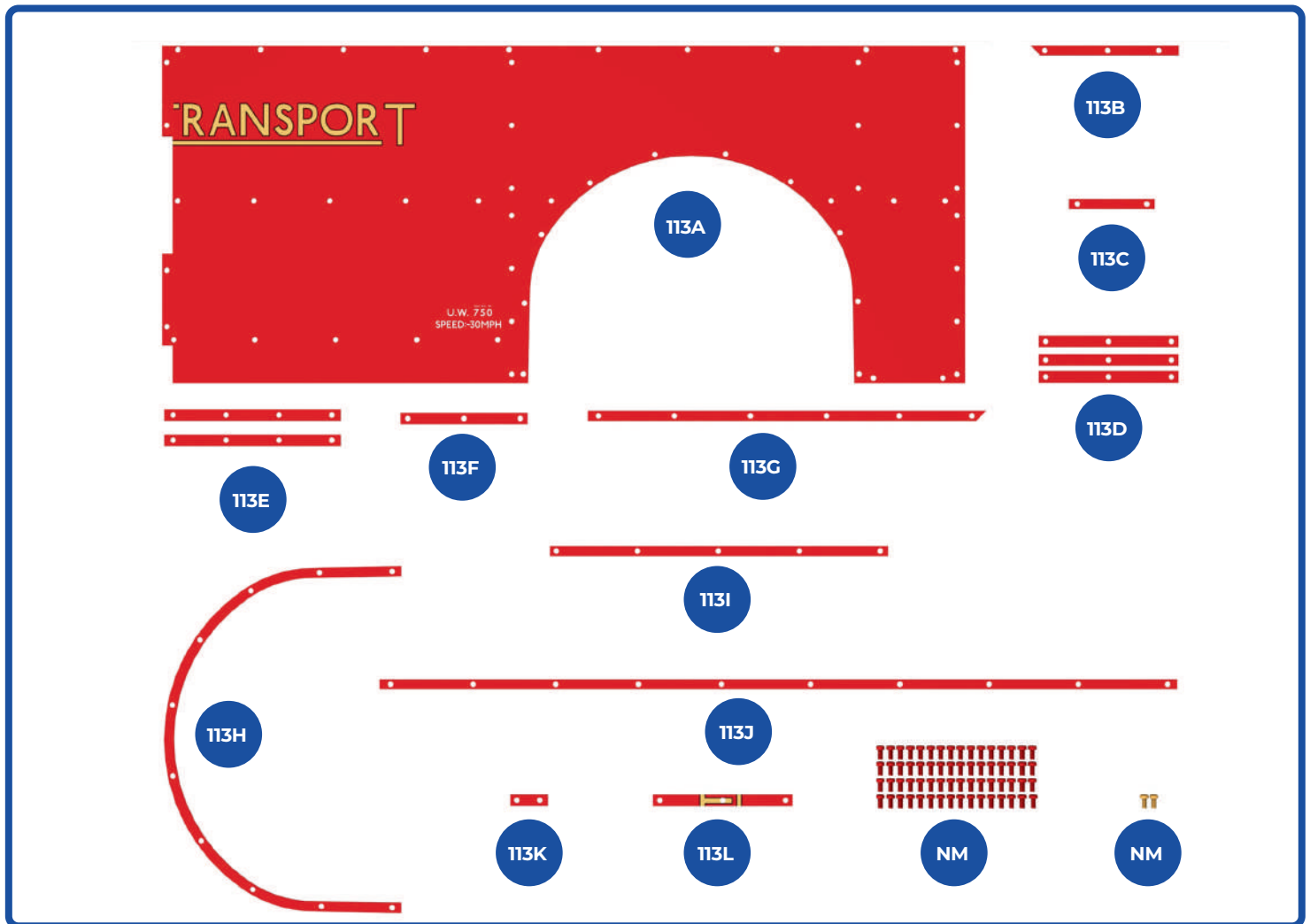
Finished views



STAGE 113

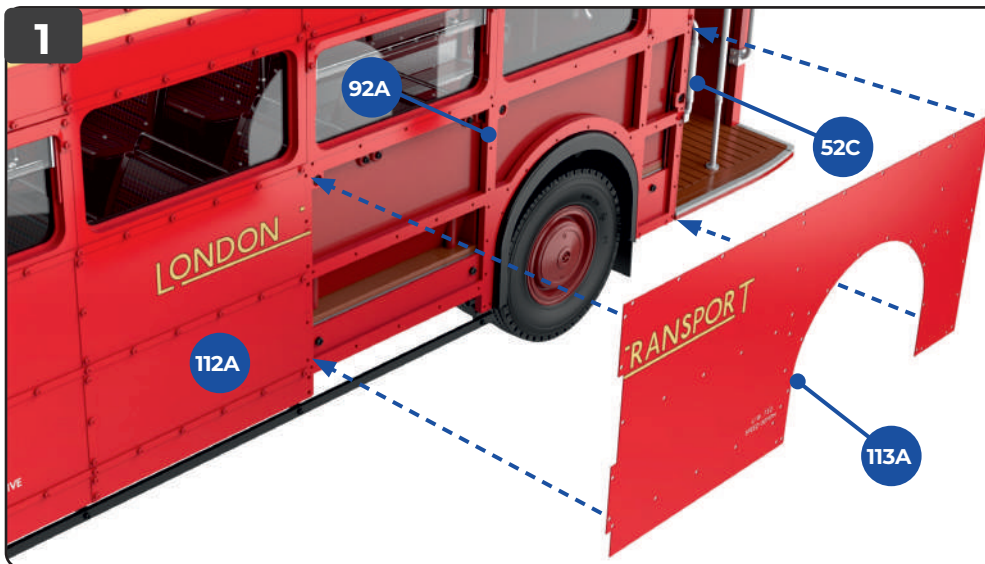
THE LAST PANEL FOR THE NEARSIDE

The last panel is fitted to the nearside of the model and then trim strips are fixed around it. This panel fits over the wheel arch.



KEY TO PARTS SUPPLIED

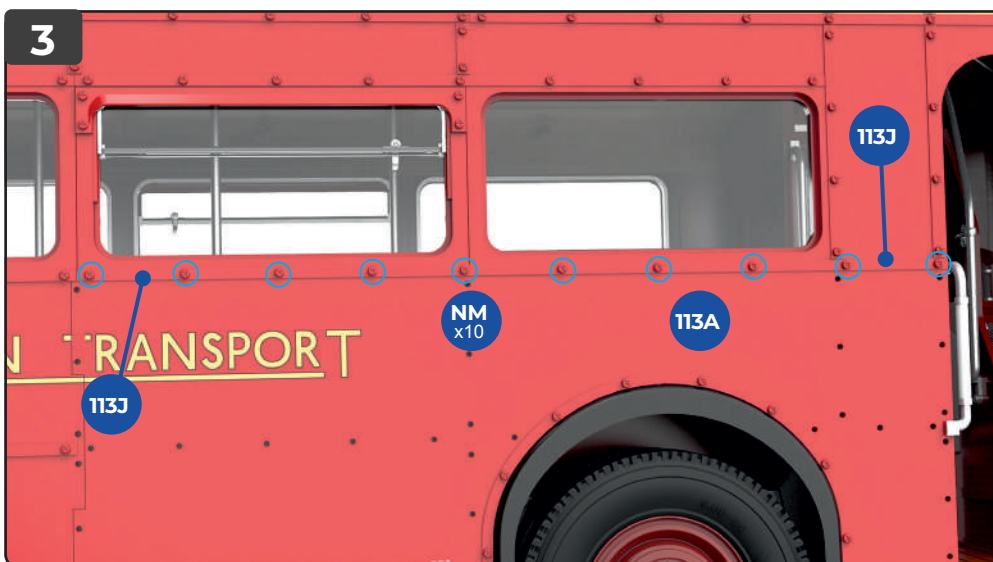
113A	Side panel	113F	Side strip (A166)	113K	Side strip (A167)
113B	Side strip (A173)	113G	Side strip (A169)	113L	Side strip (A164)
113C	Side strip (A174)	113H	Side strip (A170)	NM	1.5 x 3mm (x64, red)
113D	Side strip (A164, x3)	113I	Side strip (A171)	NM	1.5 x 3mm (x2, gold)
113E	Side strip (A172 x2)	113J	Side strip (A168)		



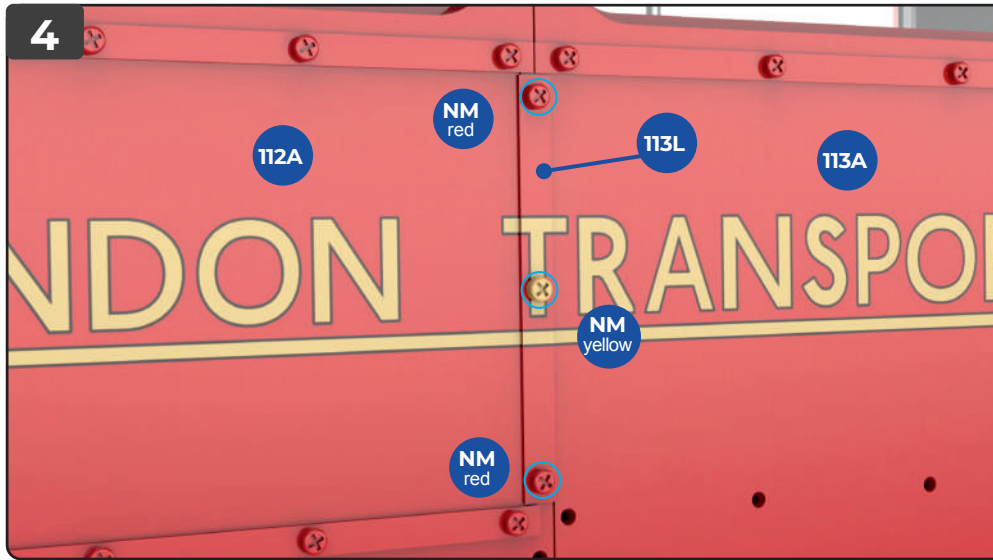
1 Position the panel **113A** so that it sits over the rear wheel, against the frame **92A**. On the right-hand side, you will need to slip the panel under the lower end of the handrail **52C**. The 'steps' down the left-hand edge of the panel match those in panel **112A**. Ensure that the screw holes are aligned.

NOTE: before fitting the panel **113A**, ensure that all the screws in the frame **92A** are fully tightened.

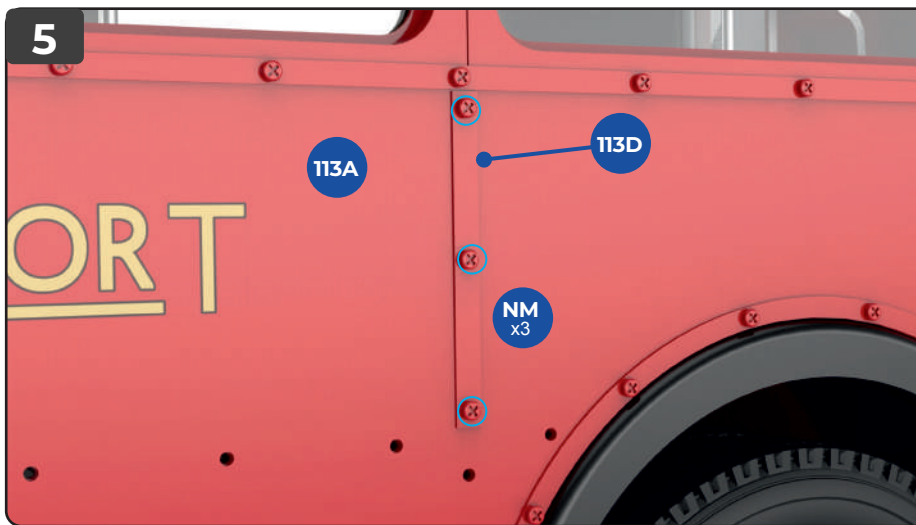
2 Holding the panel **113A** in place, position the wheel arch trim strip **113H** (marked A170) around the wheel arch. Fix in place with ten red **NM** screws (circled).



3 Position strip **113J** (marked A168) along the top of panel **113A**, beneath the lower deck windows. Check that all the screw holes are aligned. Fix in place with ten red **NM** screws.



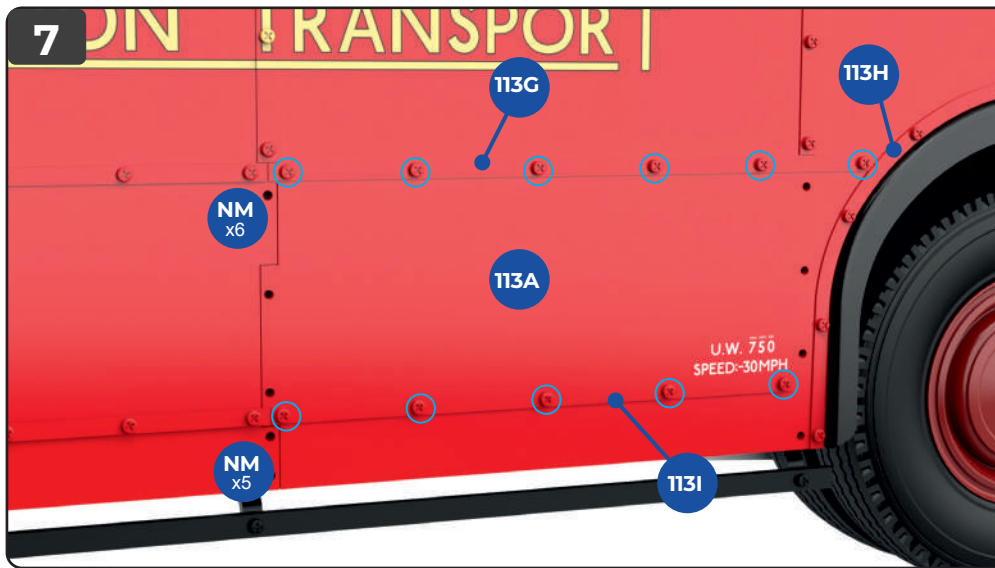
4 Position strip **113L** (marked A164) vertically over the join between panels **112A** and **113A**. Check that the lettering “London Transport” matches up and screw holes are aligned. Fix strip **113L** in place with two red **NM** screws and one yellow one in the middle, over the letter “T” (circled).



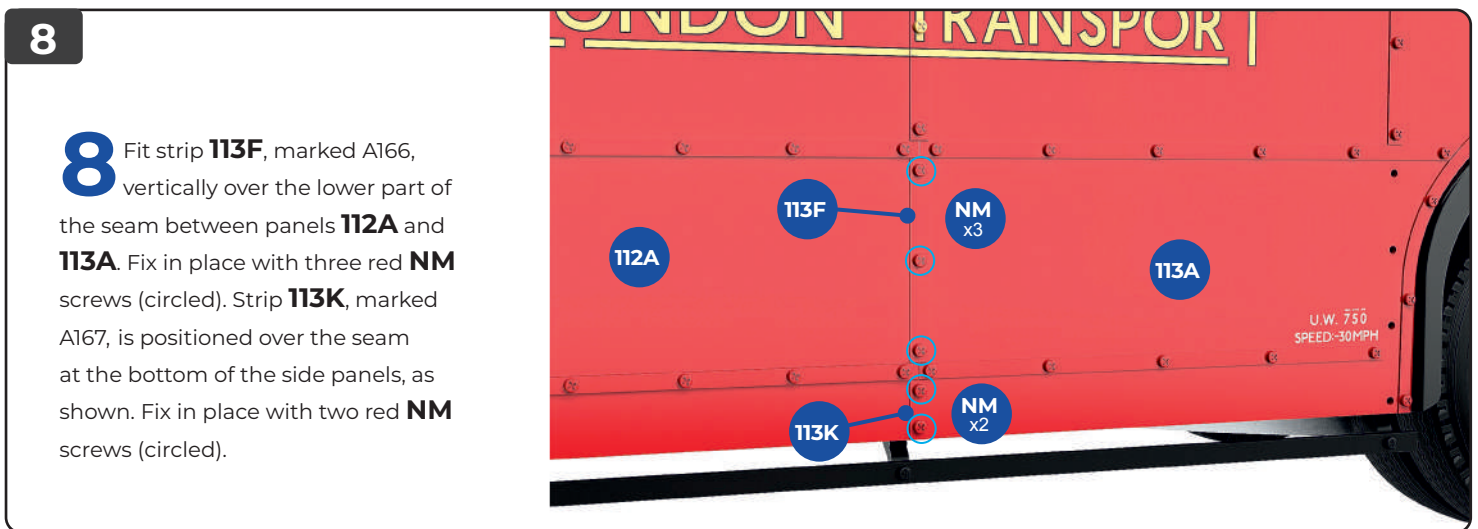
5 Position the first strip **113D** (marked A164) vertically below the lower deck windows, so that screw holes are aligned with holes in panel **113A**. Fix in place with three red **NM** screws (circled).



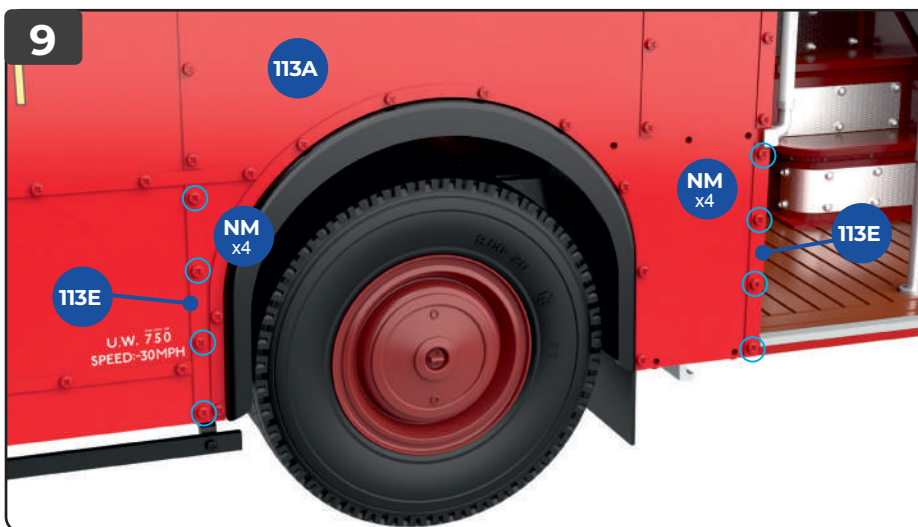
6 The two remaining strips **113D**, (marked A164) fit vertically near the platform, as shown. Check that screw holes are aligned and fix each strip in place with three red **NM** screws (circled).



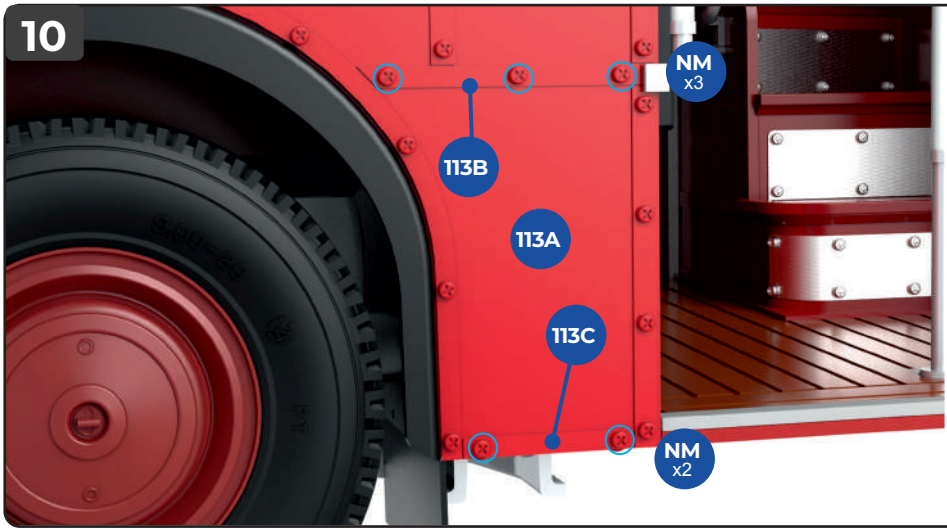
7 Take strip **113G**, marked A169, and position it horizontally below the “Transport” lettering, as shown. Note that the angled end of the strip fits against the wheel arch trim strip **113H**. Check that screw holes are aligned and fix in place with six red **NM** screws. Strip **113I**, marked A171, fits near the lower edge of panel **113A**. When screw holes are aligned, fix in place with five red **NM** screws.



8 Fit strip **113F**, marked A166, vertically over the lower part of the seam between panels **112A** and **113A**. Fix in place with three red **NM** screws (circled). Strip **113K**, marked A167, is positioned over the seam at the bottom of the side panels, as shown. Fix in place with two red **NM** screws (circled).



9 Strips **113E**, marked A172, are positioned vertically. Fit the first one in front of the wheel arch. Check that the screw holes are aligned with holes in panel **113A** and fix in place with four red **NM** screws (circled). Fit the second strip **113E** down beside the platform opening and fix in place with four red **NM** screws.



10 Strip **113B**, marked A173, fits horizontally between the wheel arch and the platform. Note that the angled end fits against the wheel arch. Fix in place with three red **NM** screws. Finally, fit strip **113C**, marked A174, along the lower edge of panel **113A**. When screw holes are aligned, fix in place with two red **NM** screws.

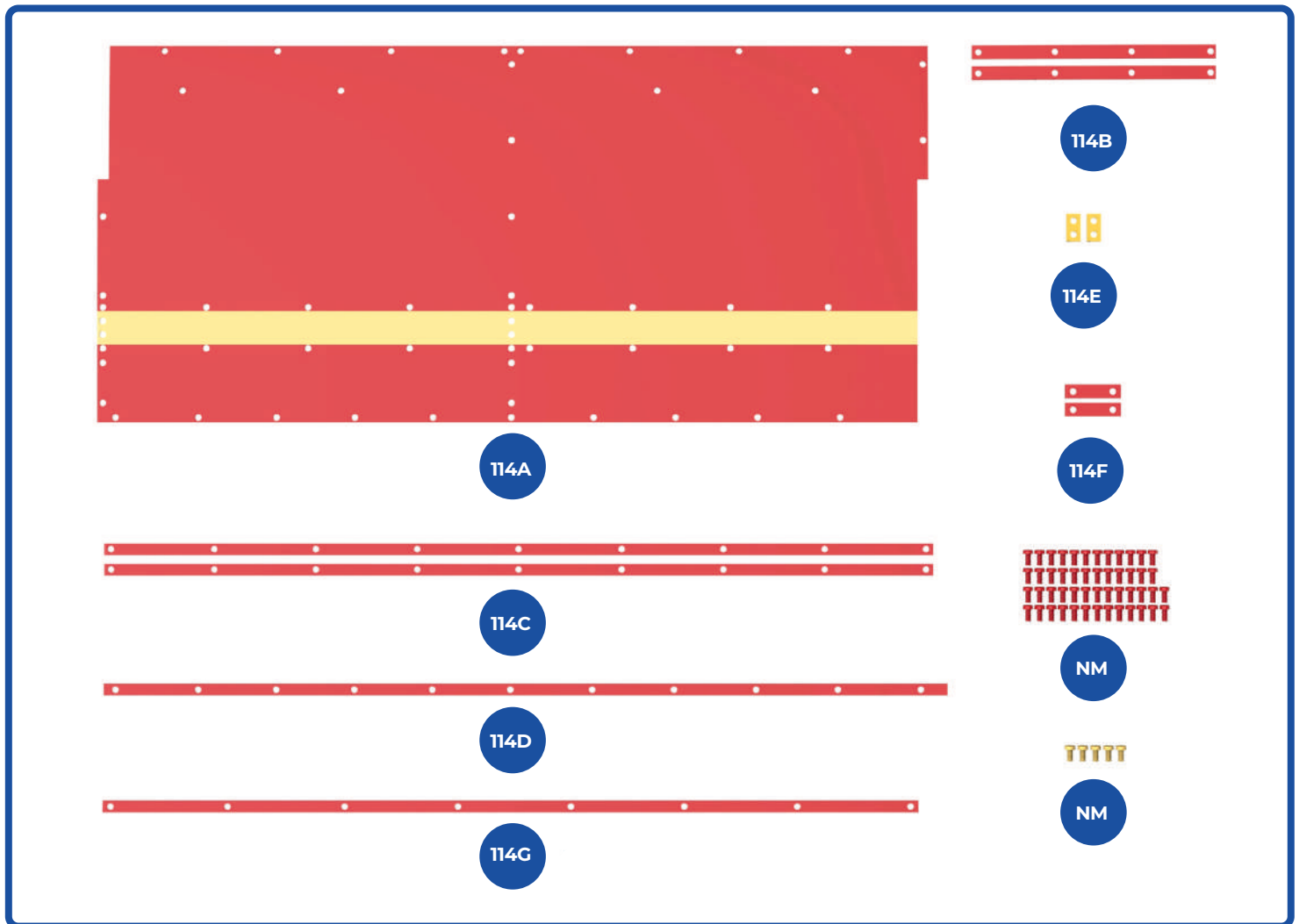
Finished views



STAGE 114

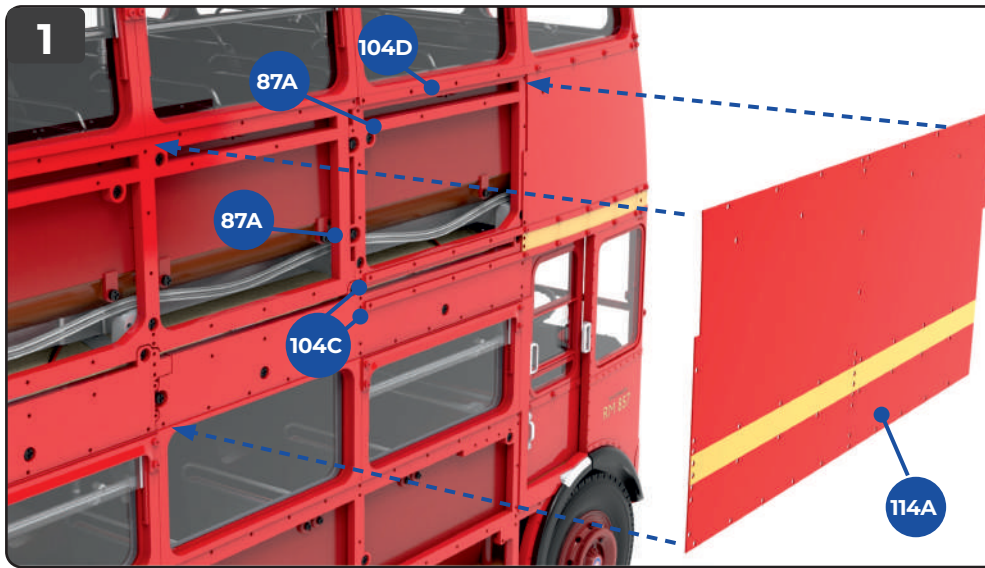
THE NEXT PANEL FOR THE OFFSIDE OF THE UPPER DECK

We continue fitting the outer panels to the upper deck and
fixing trim strips around the panels.

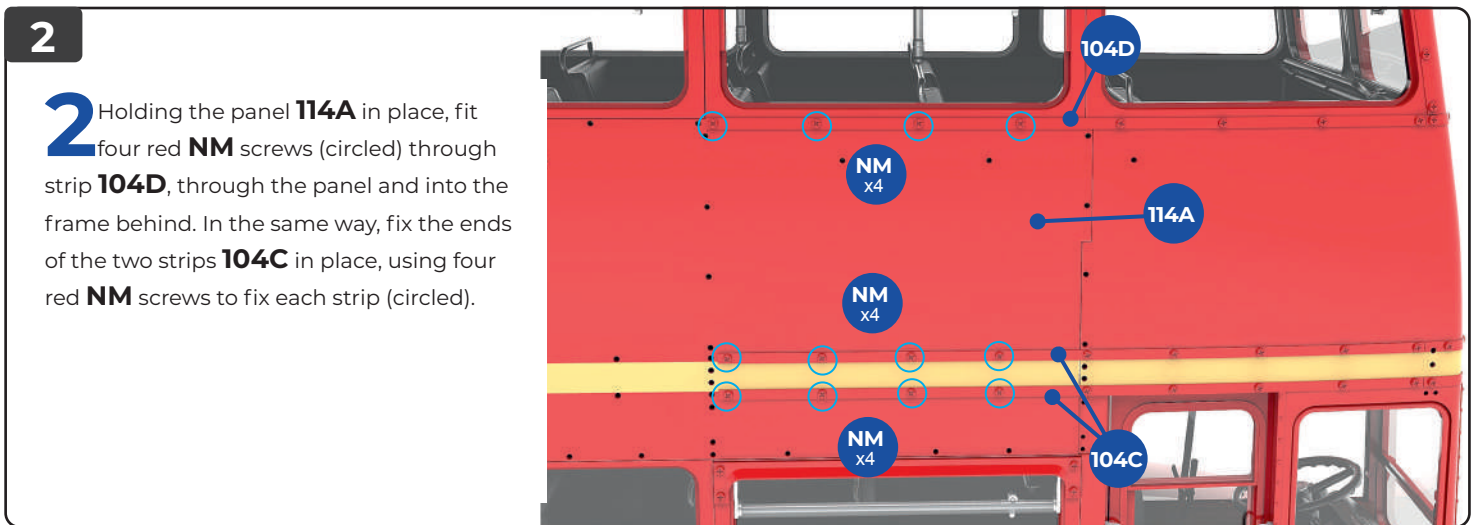


KEY TO PARTS SUPPLIED

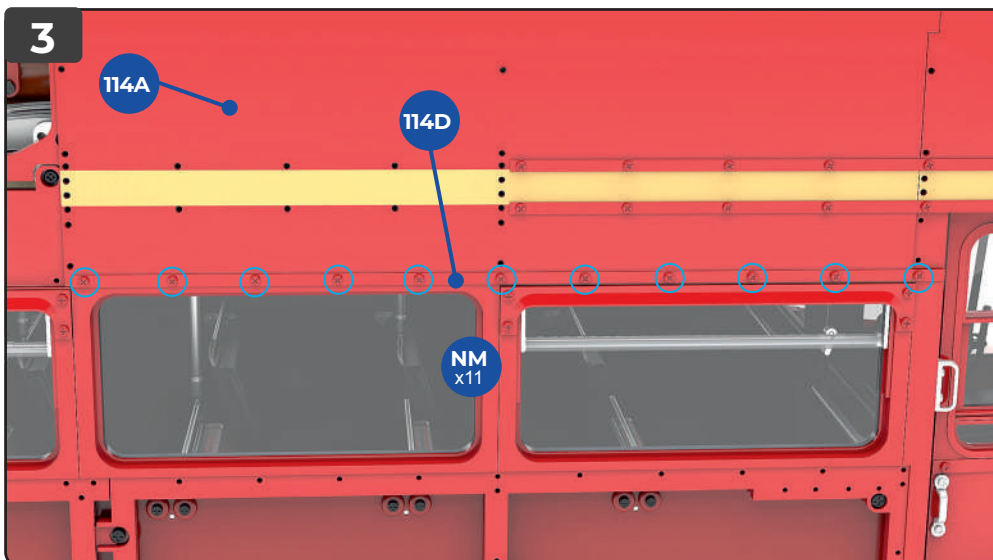
- | | | | |
|-------------|-------------------------------|-------------|-------------------------------|
| 114A | Side panel | 114F | Side strip (marked A167C, x2) |
| 114B | Side strip (marked A197B, x2) | 114G | Side strip (marked A189M) |
| 114C | Side strip (marked A184, x2) | NM | 1.5 x 3mm (x50, red) |
| 114D | Side strip (marked A163) | NM | 1.5 x 3mm (x5, cream) |
| 114E | Side strip (marked A167B, x2) | | |



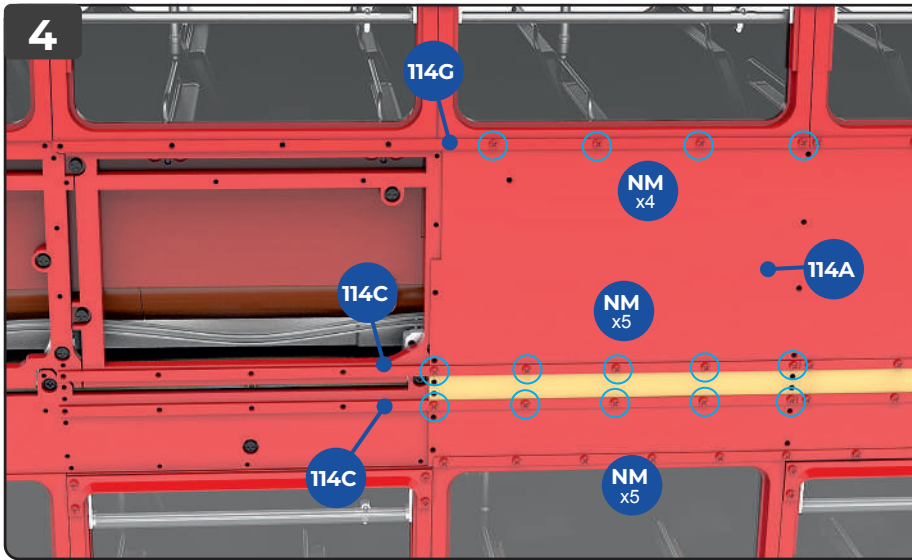
1 Take the panel **114A** and position it against the frame at the front of the offside of the upper deck. You will have to slide the panel in so that it is beneath the free ends of strip **104D** and two strips **104C**. Note that the strips **104C** run along the edges of the cream band. Check that all the screw holes in panel **114A** are aligned: some align with holes in the frames and others with holes in the strips **104D** and **104C**.



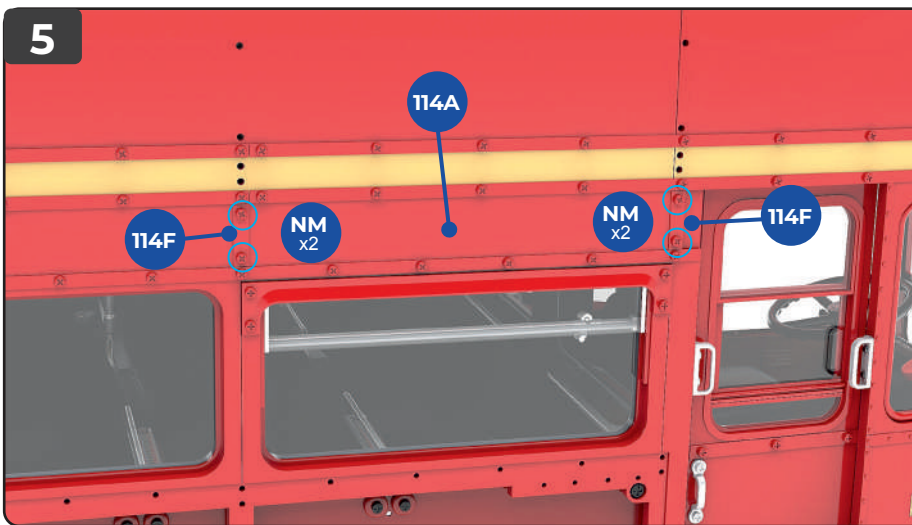
2 Holding the panel **114A** in place, fit four red **NM** screws (circled) through strip **104D**, through the panel and into the frame behind. In the same way, fix the ends of the two strips **104C** in place, using four red **NM** screws to fix each strip (circled).



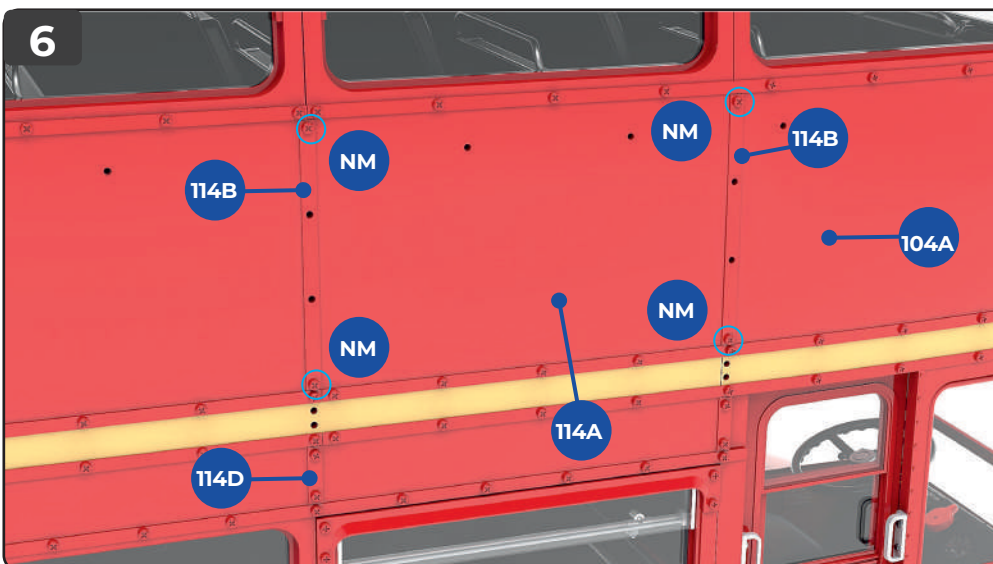
3 Take strip **114D**, marked A163, and position it along the lower edge of panel **114A**, above the windows of the lower deck. Note that it is not symmetrical, as it extends to the driver's window on the right-hand end in this view. Fix in place with a total of eleven red **NM** screws (circled).



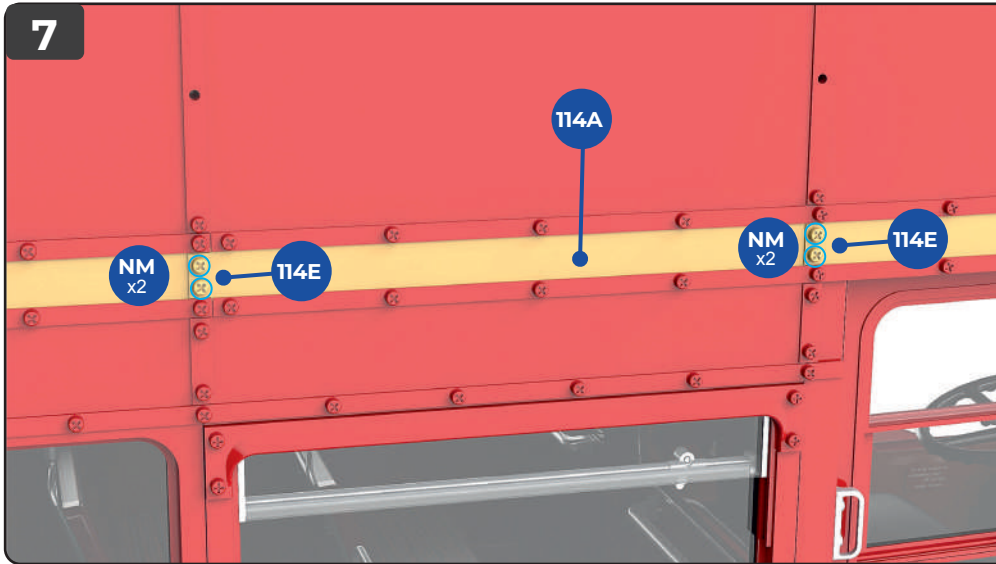
4 Take the strip **114G** (marked A189M) and fit it along the upper edge of panel **114A**, beneath the windows of the upper deck, ensuring that the screw holes are aligned. Fix in place at the right-hand end with four red **NM** screws (circled). One at a time, position the strips **114C** (marked A184) above and below the cream band, checking that screw holes are aligned. Fix the right-hand ends of these strips in place with five red **NM** screws (circled). Leave the left-hand ends of the strips unattached for now.



5 Take the two side strips **114F** (marked A167C). These are positioned vertically between the strips that have been fitted above the first window on the offside of the lower deck. Fix each in place with two red **NM** screws (circled).

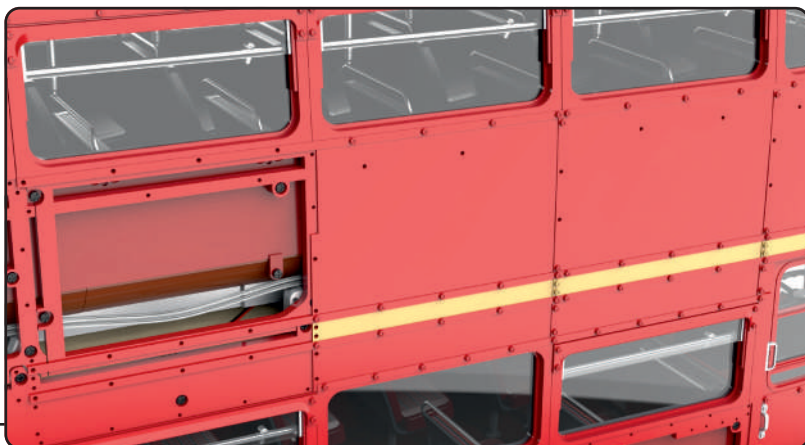


6 Take the side strips **114B** (marked A197B). These are positioned vertically, in line with the strips **114D** fitted in the previous step. Check that the screw holes are aligned and fix the ends of strips **114B** in place with four red **NM** screws (circled). Only the ends of the strips are fixed for now, leaving two holes free in each strip.



7 The two short cream strips **T14E**, marked A167B, fit across the cream band on panel **T14A**, in line with the strips fitted in steps 5 and 6. Fix each strip in place with two cream **NM** screws (circled).

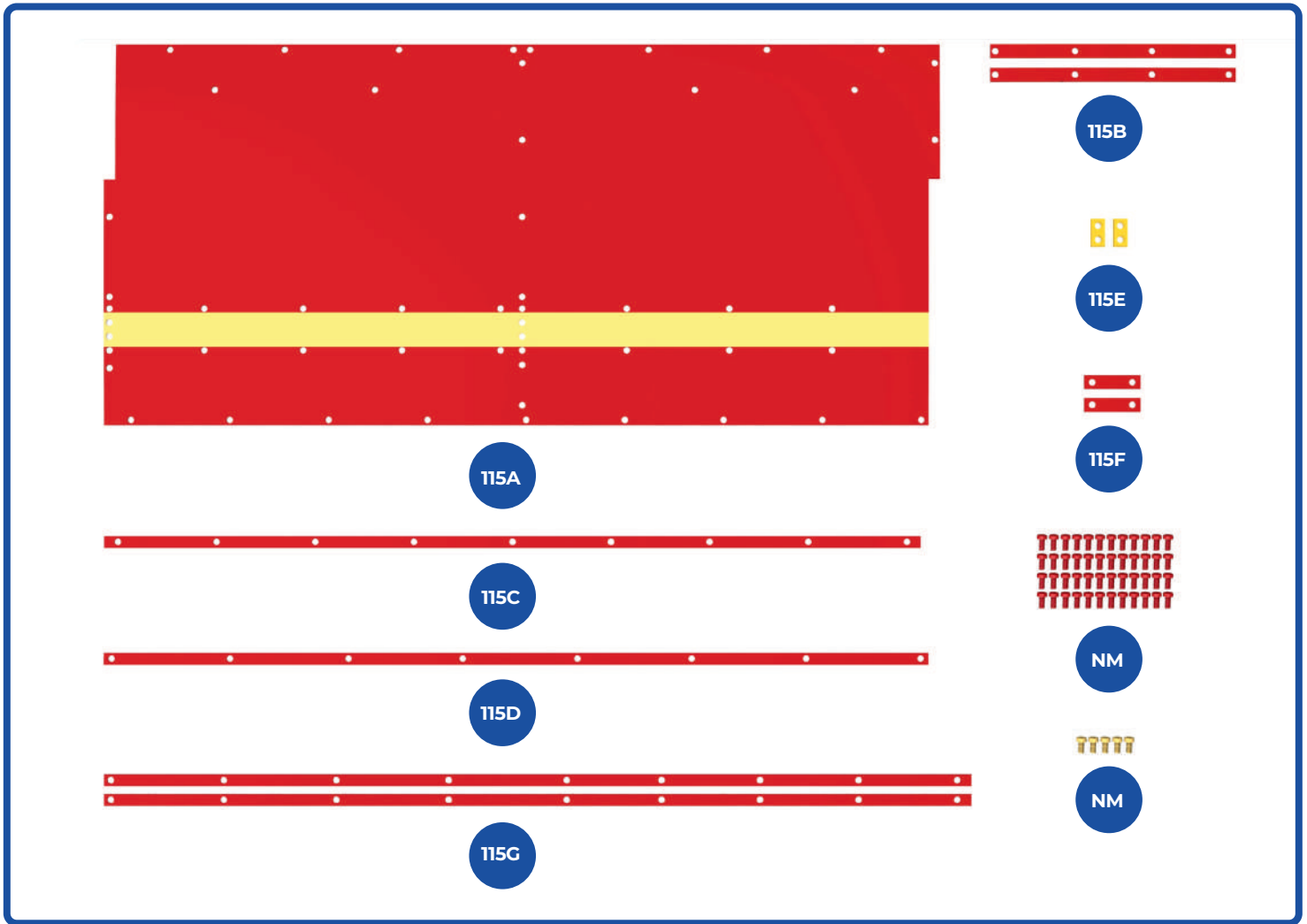
Finished views



STAGE 115

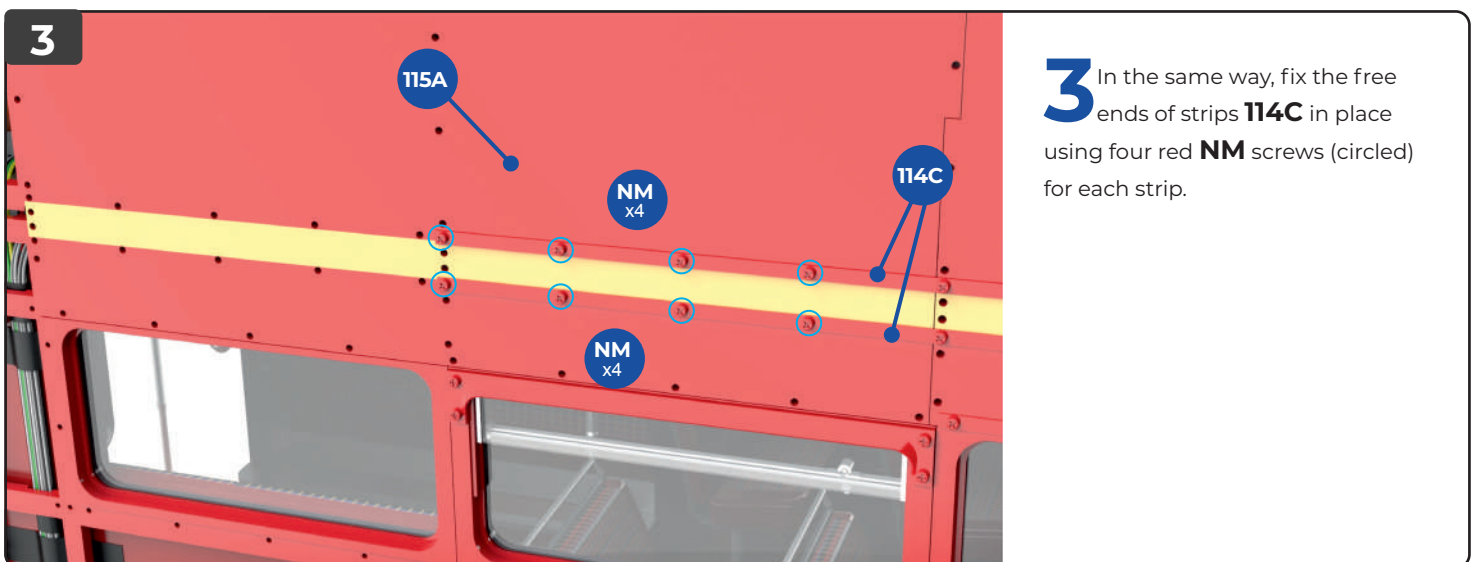
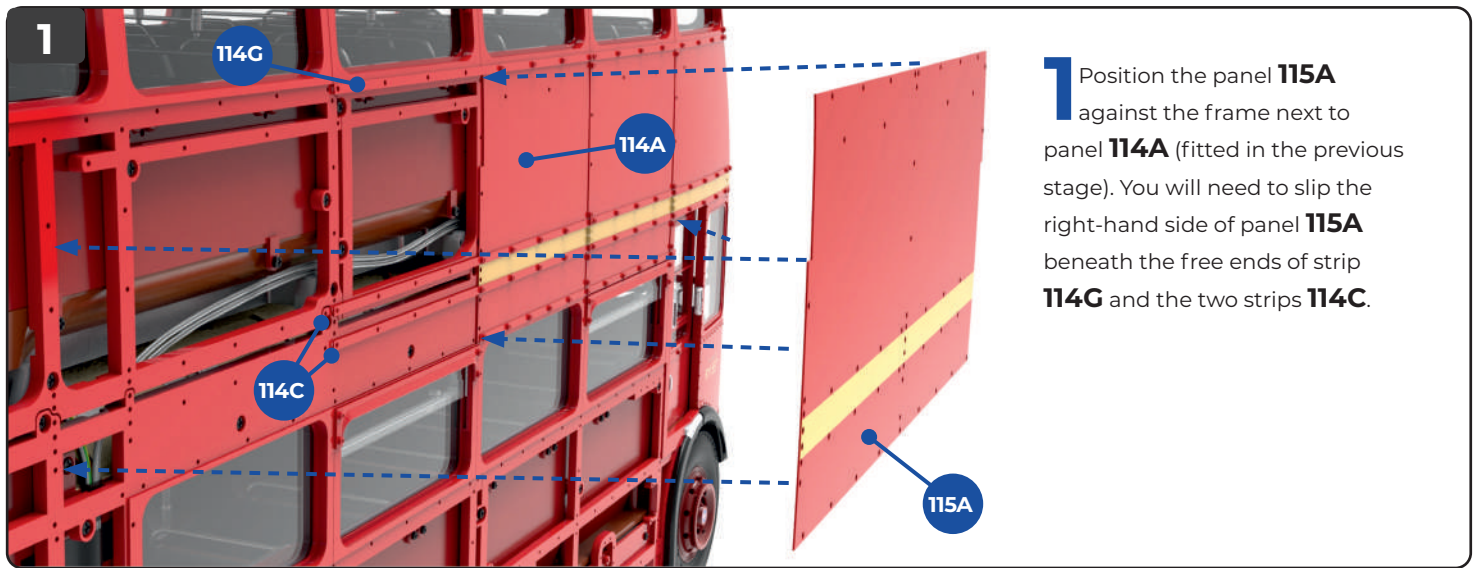
ANOTHER PANEL FOR THE OFFSIDE OF THE UPPER DECK

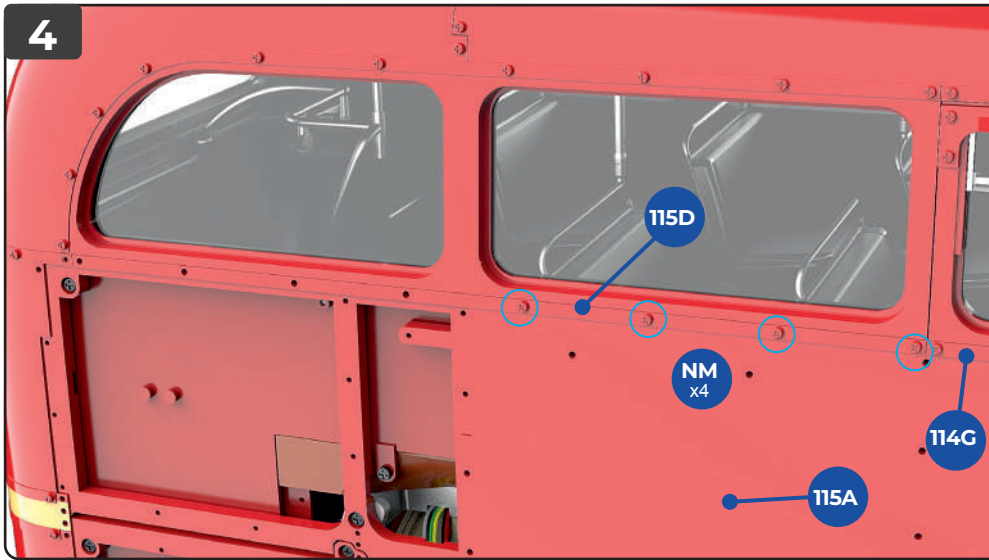
The next panel for the outside of the model fits next to the panel that was supplied in the previous stage. Trim strips are fitted around the panel.



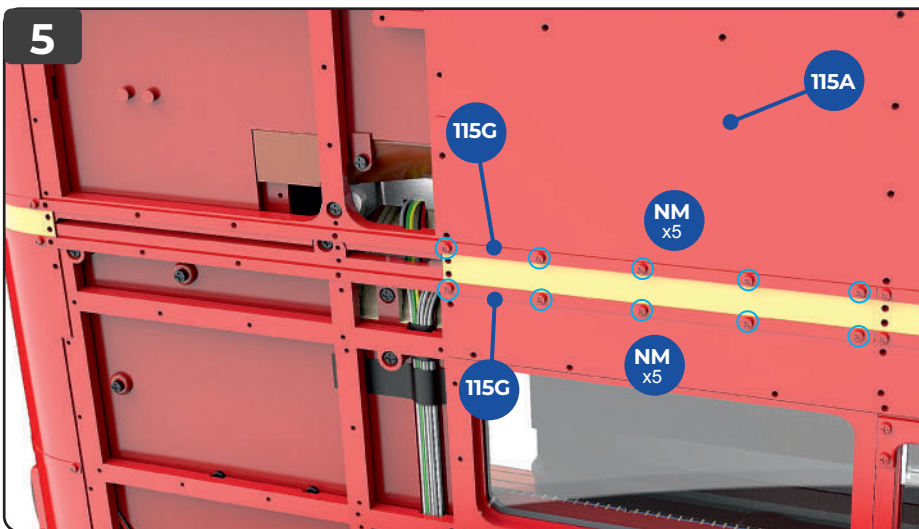
KEY TO PARTS SUPPLIED

- | | | | | | |
|-------------|-------------------------------|-------------|-------------------------------|-----------|-----------------------|
| 115A | Side panel | 115E | Side strip (marked A167B, x2) | NM | 1.5 x 3mm (x48, red) |
| 115B | Side strip (marked A197B, x2) | 115F | Side strip (marked A167C, x2) | NM | 1.5 x 3mm (x5, cream) |
| 115C | Side strip (marked A175) | | | | |
| 115D | Side strip (marked A189M) | 115G | Side strip (marked A186, x2) | | |

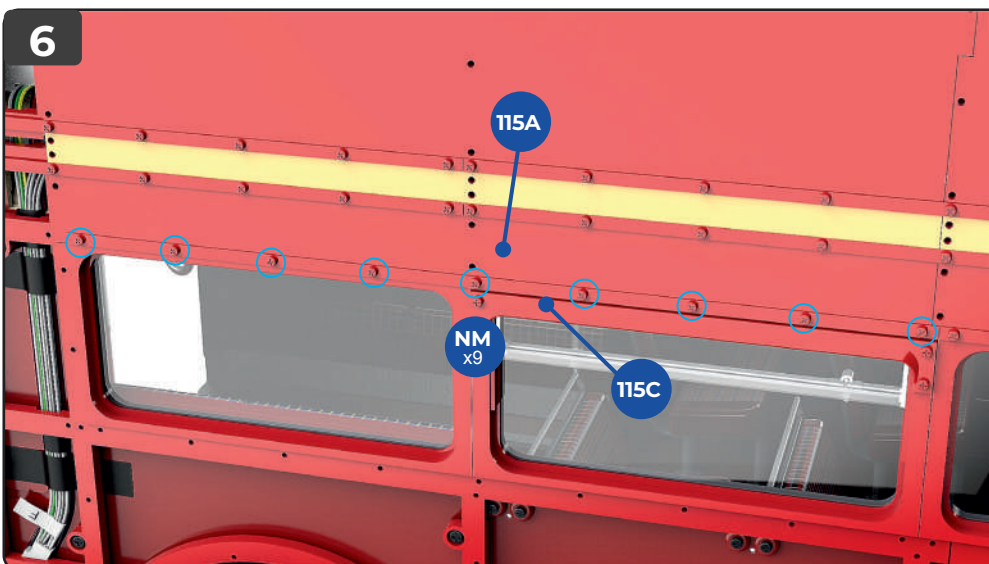




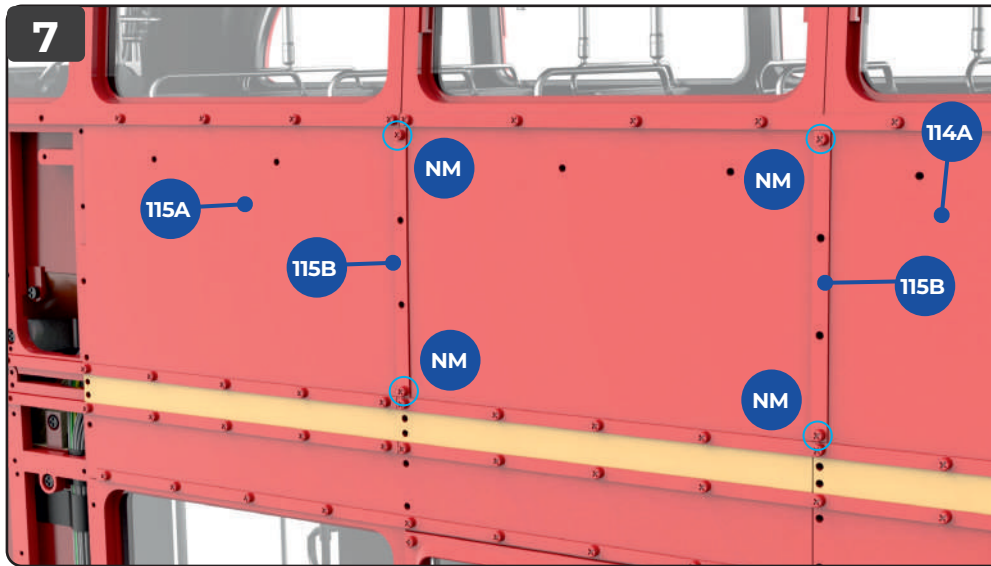
4 Position strip **115D** (marked A189M) along the upper edge of panel **115A**, continuing the line of strip **114G**. Fix in place with four **NM** screws (circled), which go through panel **115A** and into the frame behind. Leave the left-hand end of strip **115D** unattached for now.



5 Take the two strips **115G** (marked A186). These go along the upper and lower edges of the cream band on panel **115A**. Fix each one in place with five red **NM** screws (circled), leaving the left-hand ends free for the moment.

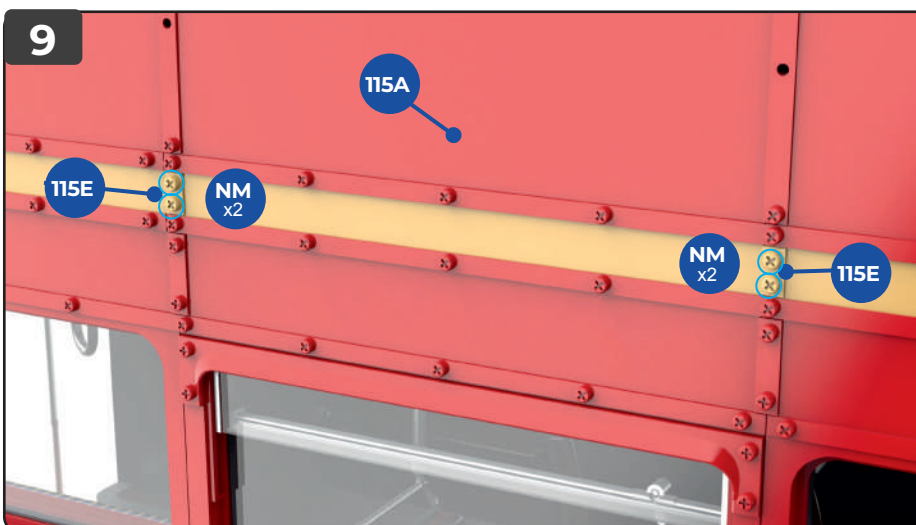
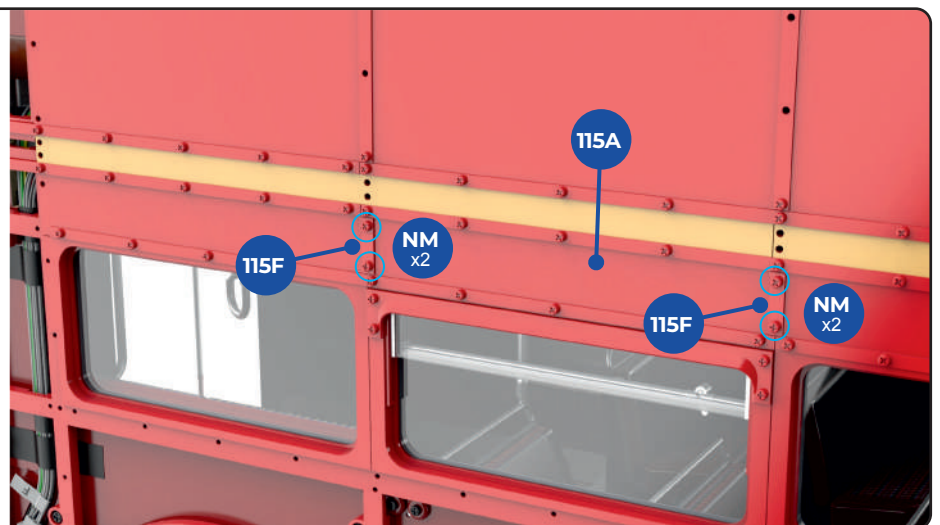


6 Take strip **115C**, (marked A175) and fit it along the lower edge of panel **115A**, above the lower deck windows. Fix in place with a total of nine red **NM** screws (circled). They go through the strip and the panel, into the frame beneath.



7 The two strips **115B**, marked A197B, are positioned vertically. The first one goes over the 'seam' between panels **115A** and **114A**. Fix in place with an **NM** screw at each end (circled). The second strip **115B** goes down the middle of panel **115A**. Fix in place with an **NM** screw at each end (circled). There are two holes in each of these strips that are not fixed in this step.

8 The two strips **115F**, marked A167C, are fitted vertically above the lower deck window, in line with the strips fitted in step 7, as shown. Fix each one in place with two red **NM** screws (circled).



9 The two cream strips **115E**, marked A167B, are positioned vertically across the cream band on panel **115A**, in line with the strips fitted in steps 7 and 8. Fix each strip in place with two cream **NM** screws (circled).

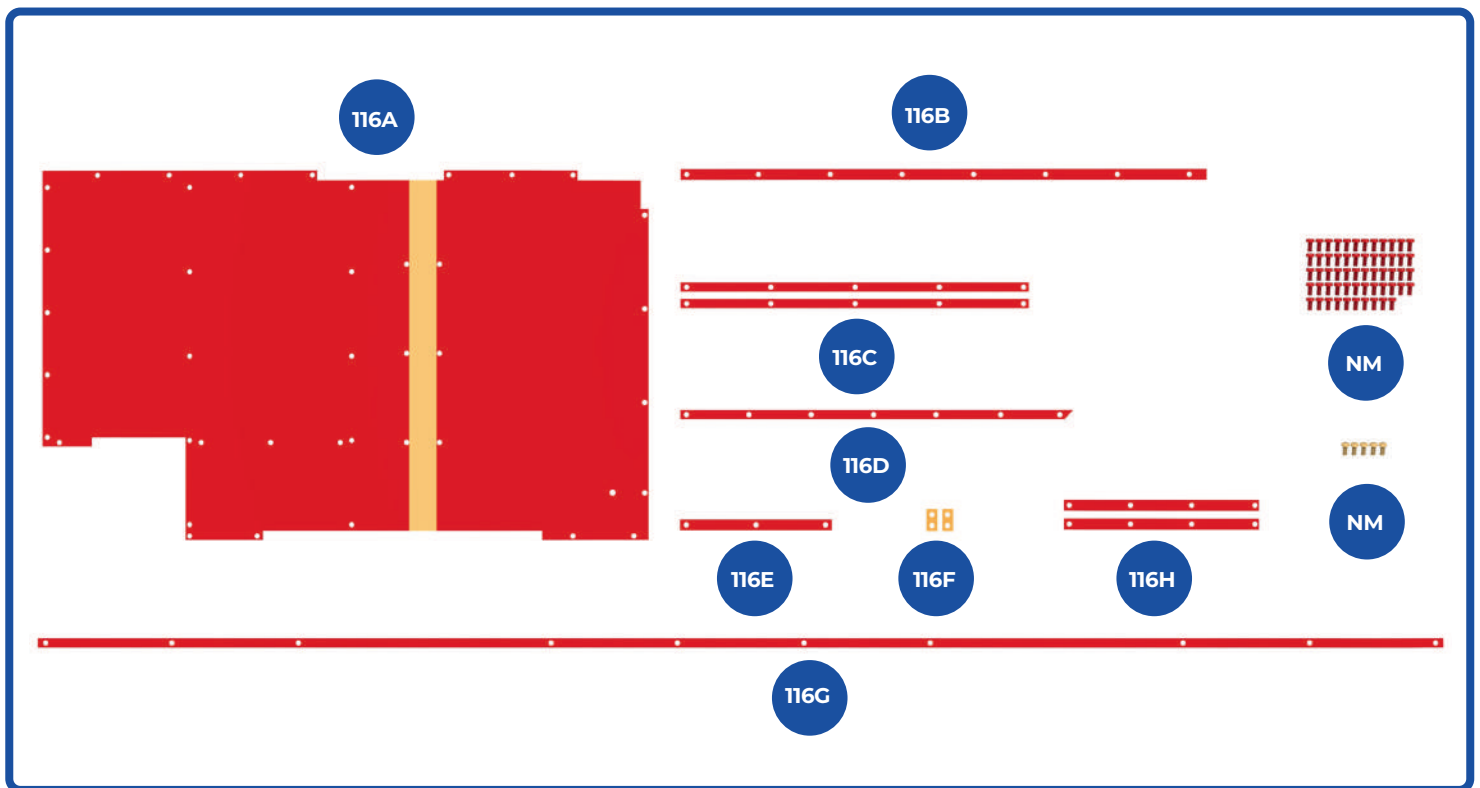
Finished views



STAGE 116

PANEL FOR THE REAR OFFSIDE OF THE BUS

The panel supplied with this stage fits down the rear offside of the model. An opening at the bottom gives access to the batteries. Trim strips are fitted around the panel.



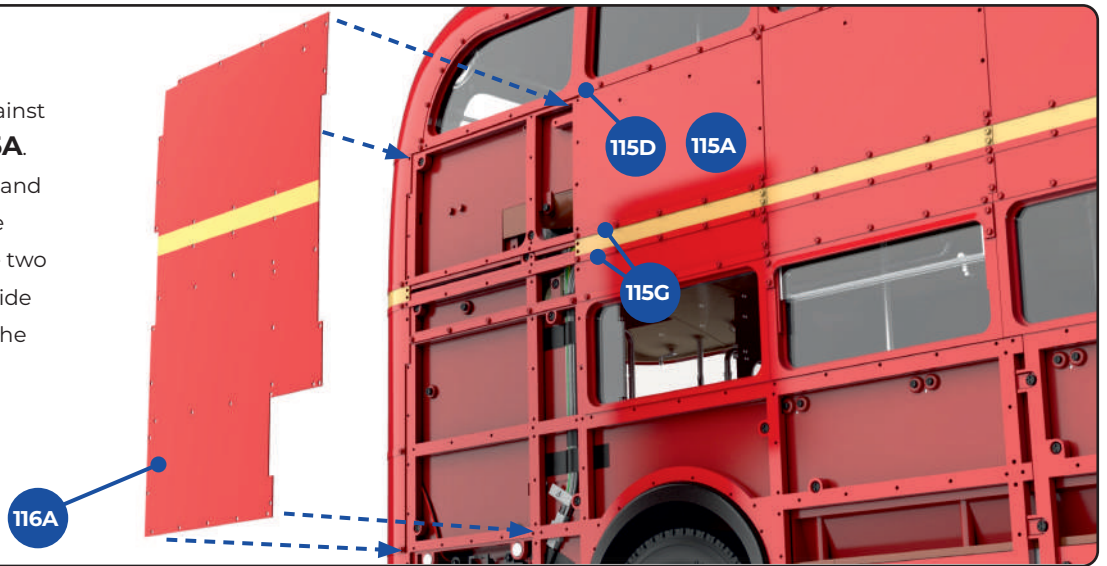
KEY TO PARTS SUPPLIED

- | | | | |
|-------------|-------------------------------|-----------|-----------------------|
| T16A | Side panel | NM | 1.5 x 3mm (x58, red) |
| T16B | Side strip (marked A185B) | NM | 1.5 x 3mm (x5, cream) |
| T16C | Side strip (marked A186B, x2) | | |
| T16D | Side strip (marked A186C) | | |
| T16E | Side strip (marked A164C) | | |
| T16F | Side strip (marked A167B, x2) | | |
| T16G | Side strip (marked A119M) | | |
| T16H | Side strip (marked A197B, x2) | | |

1

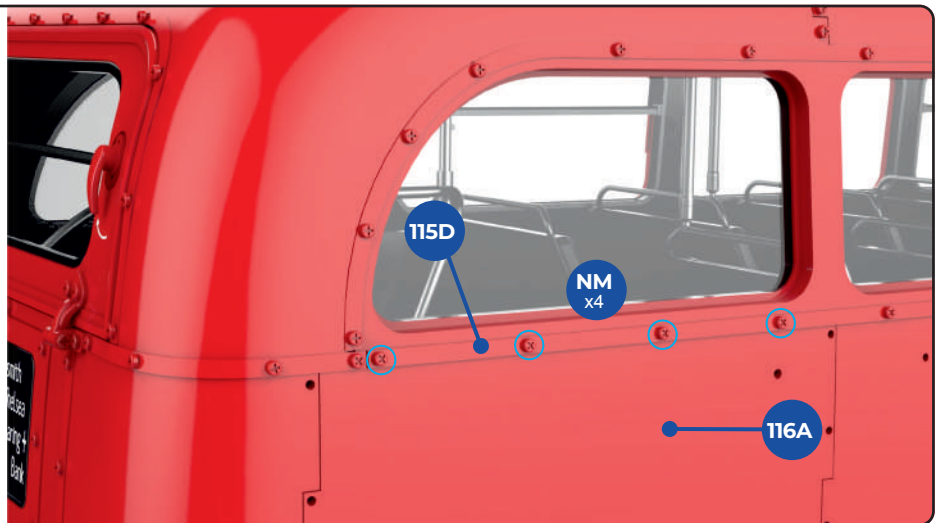
1 Position the panel **116A** against the frame, next to panel **115A**.

You will need to slip the right-hand side of panel **116A** beneath the free ends of strip **115D** and the two strips **115G**. Indents on either side of panel **116A** fit the shape of the edges of adjacent panels.



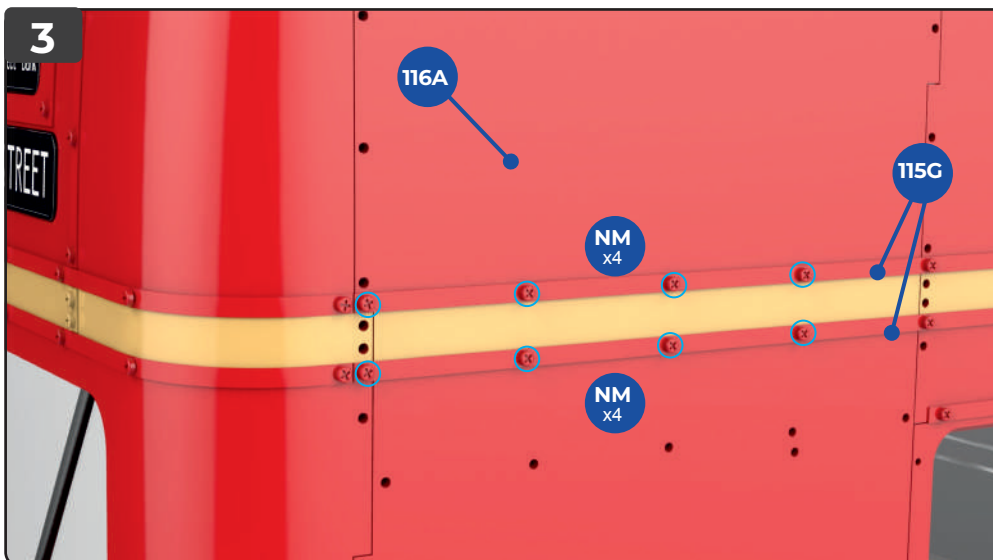
2

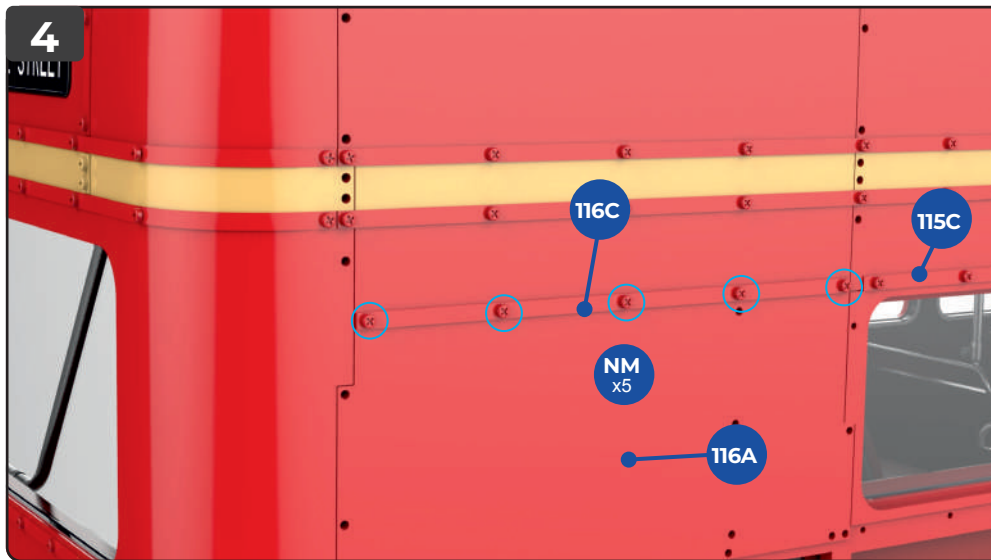
2 Holding the panel **116A** in position, fix the free end of strip **115D** in place, using four red **NM** screws (circled). They go through the strip **115D** and the panel **116A**, into the frame behind the panel.



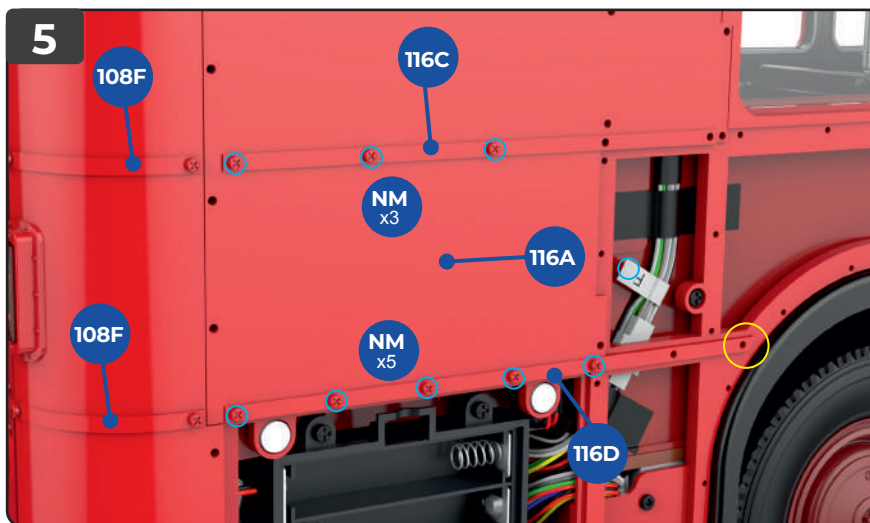
3

3 In the same way, fix the free ends of the two strips **115G** in place using four red **NM** screws (circled) for each strip..

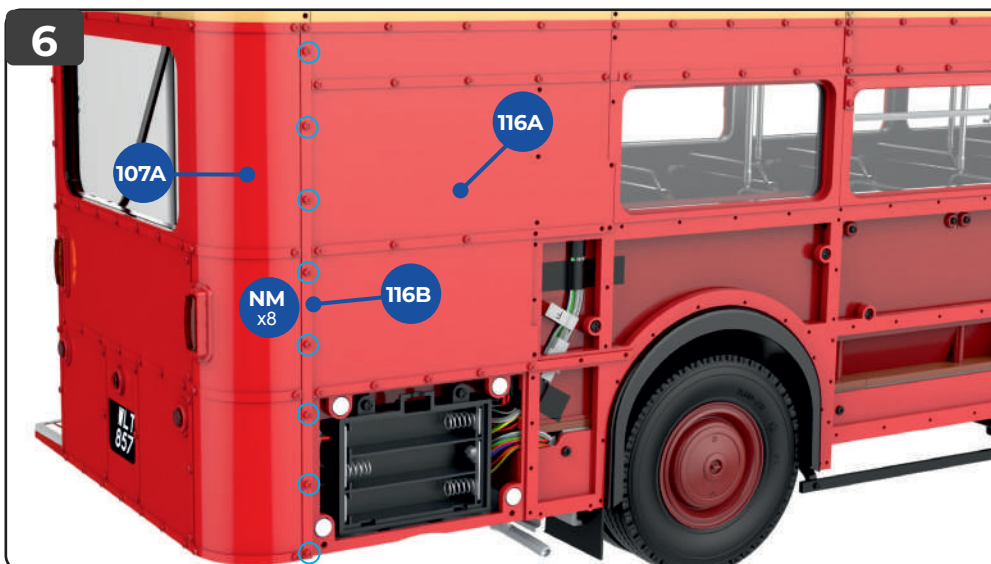




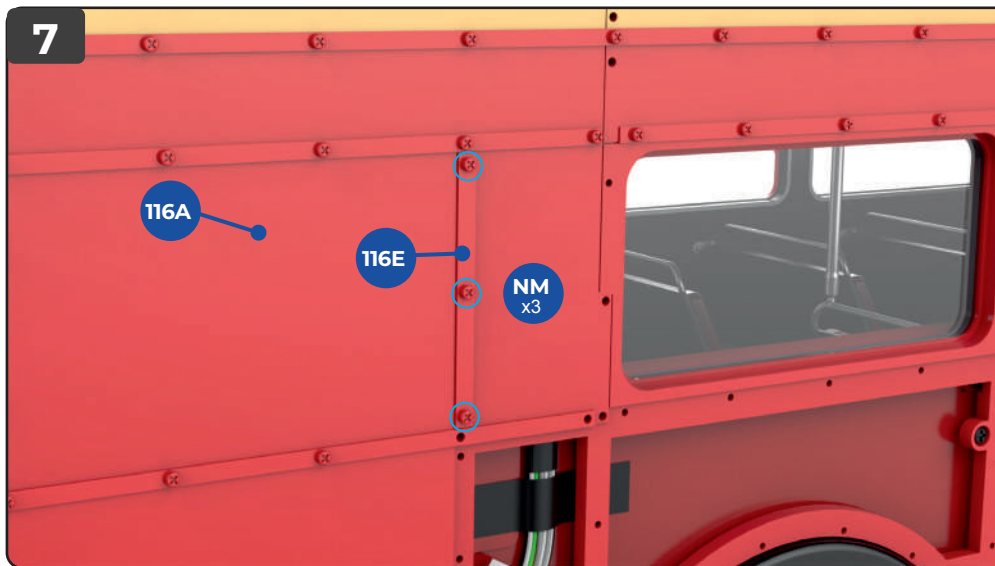
4 Position the first strip **116C** (marked A186B) across panel **116A**, below the cream band, continuing the line of strip **115C** (fitted above the lower deck windows). Fix in place with five **NM** screws (circled), which go through panel **116A** and into the frame behind.



5 Take the second strip **116C**, marked A186B. This goes across panel **116A**, in line with strip **108F**, which runs across the back of the bus, above the indicators. Fix the left-hand end of strip **116C** in place with three red **NM** screws, leaving the holes at the right-hand end free. Fit strip **116D**, marked A186C, above the opening for the batteries, in line with strip **108F** (below the indicators). The sloping end is aligned with the wheel arch (circled in yellow). Fix in place with five red **NM** screws (circled), leaving two screw holes free at the right-hand end.

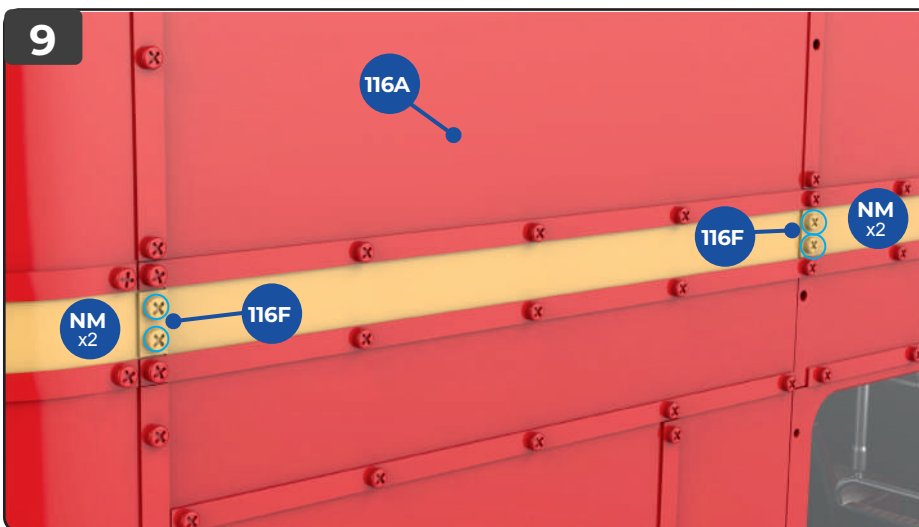
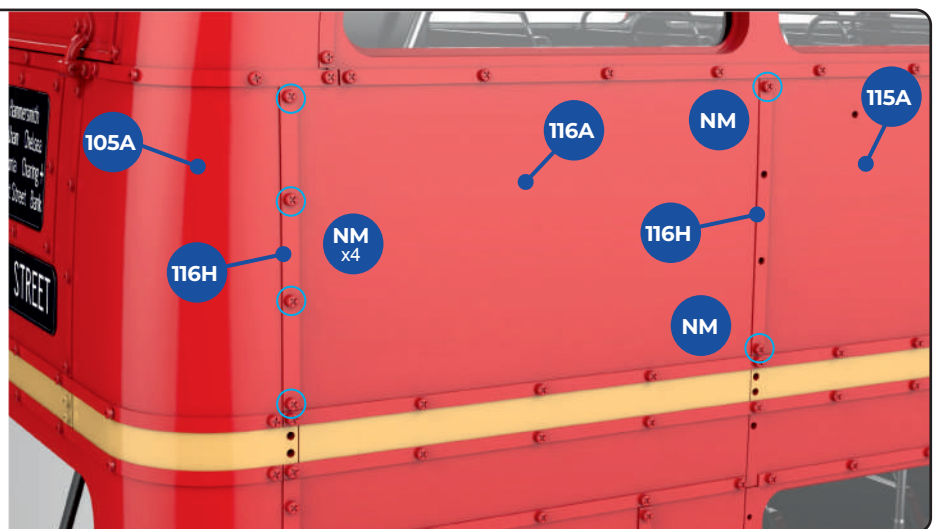


6 Take strip **116B**, (marked A185B) and fit it down the side of panel **116A**, covering the 'seam' with panel **107A**. Fix in place with eight red **NM** screws (circled). They go through the strip and the panel, into the frame beneath.



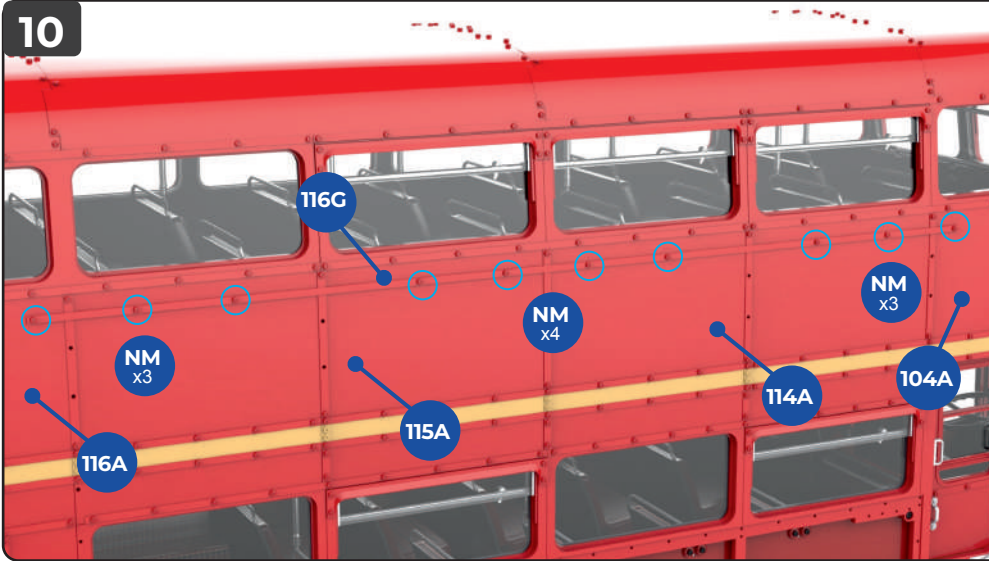
7 Fit strip **116E**, marked A164C, vertically down panel **116A** (slightly away from the lower deck window). Fix in place with three red **NM** screws (circled).

8 The two strips **116H**, marked A197B, are fitted vertically on either side of panel **116A**, between the strip running beneath the upper deck windows and the strip above the cream band. The first strip covers the seam between **116A** and **105A**. Fix in place with four red **NM** screws (circled). The second strip covers the seam between **116A** and **115A**. Fix it in place at the top and bottom using a red **NM** screw at each end (circled).



9 The two cream strips **116F**, marked A167B, are positioned vertically across the cream band on panel **116A**, in line with the strips fitted in step 8. Fix each strip in place with two cream **NM** screws (circled).

10



10 The strip **116G**, marked A119M, runs down almost the whole length of the bus. Check that screw holes are aligned, and fix it in place with a total of ten red **NM** screws: three near the front, four in the middle and three at the back.

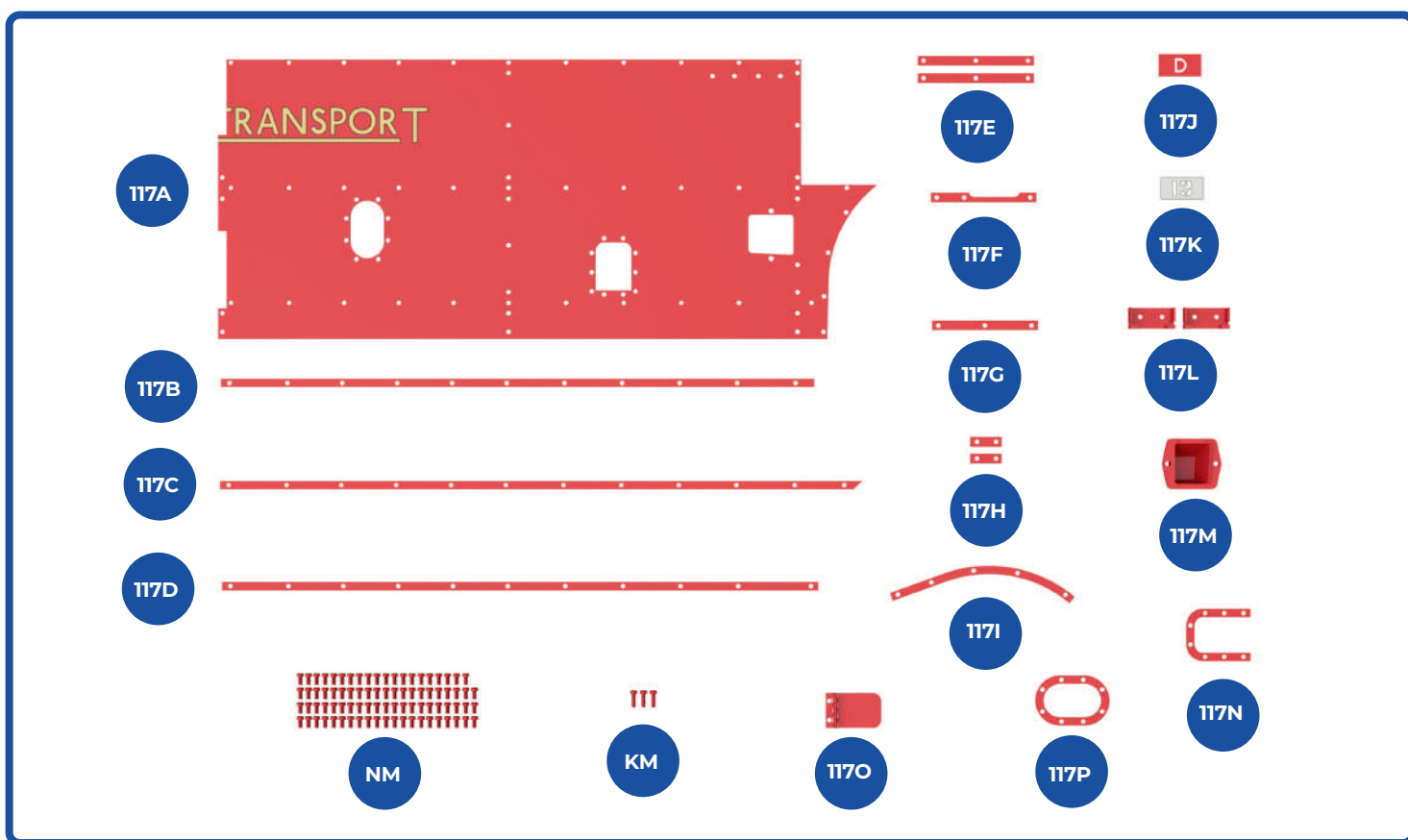
Finished views



STAGE 117

PANEL AND DETAILS FOR THE OFFSIDE LOWER DECK

The panel for the offside of the lower deck fits behind the driver's door, beneath the lower deck windows. Various details and trim strips are added to give a neat finish.



KEY TO PARTS SUPPLIED

117A	Side panel	117H	Side strip, marked A167 (x2)	117O	Service opening flap
117B	Side strip, marked A163	117I	Side strip, marked A170B	117P	Fuel access trim strip
117C	Side strip, marked A163B	117J	Garage code plate	NM	1.5 x 3mm (x83, red)
117D	Side strip, marked A163C	117K	Running number plate	KM	1.5 x 5mm (x3, red)
117E	Side strip, marked A164 (x2)	117L	Brackets (x2)		
117F	Side strip, marked A165M	117M	Step inset		
117G	Side strip, marked A166	117N	Service opening trim strip		

1

1 Position the panel **117A** against the frame **94A** and **95A**, behind the driver's door, so that the screw holes are aligned, as indicated.

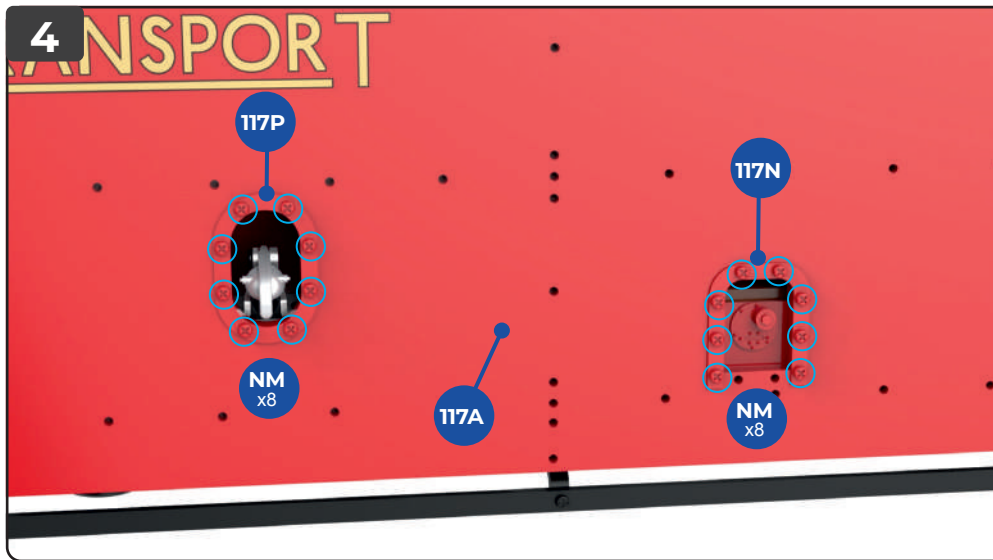
Make sure that the screws holding the frames **94A and **95A** are fully tightened before fitting panel **117A**.**

2

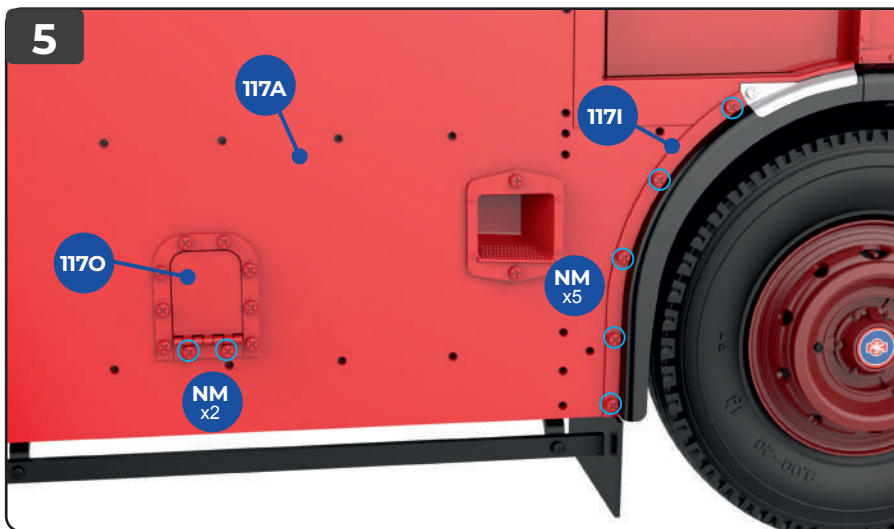
2 Holding the panel **117A** in position, fit the step inset **117M** in place behind the offside front wheel. Note that the textured surface goes at the bottom. Fix the inset in place with two red **KM** screws (circled): they go through the rim of the step inset, and through panel **117A**, into screw holes in the frame (circled in yellow in step 1).

3

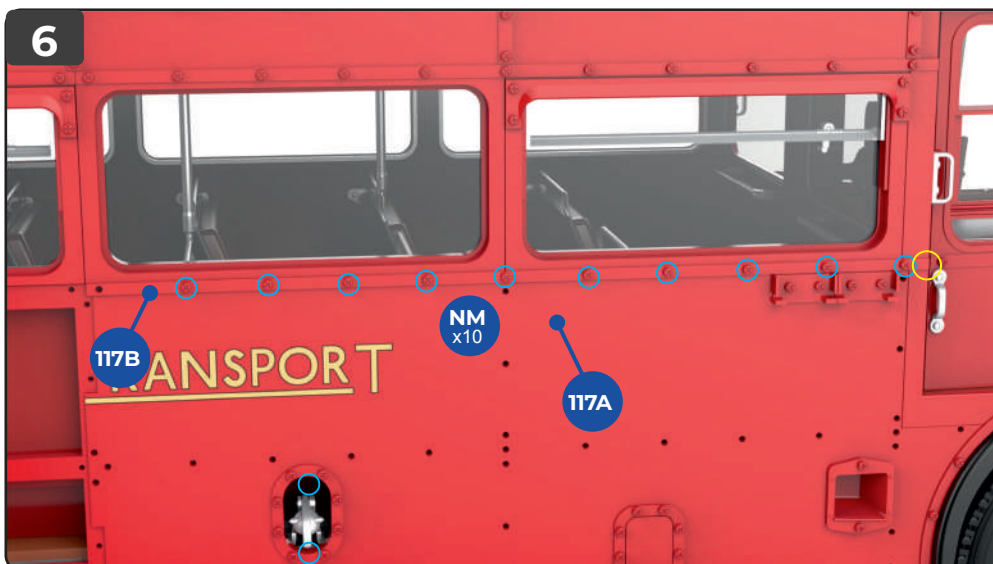
3 Fix the two brackets **117L** in the top right-hand corner of panel **117A**, using two **NM** screws (circled) for each bracket.



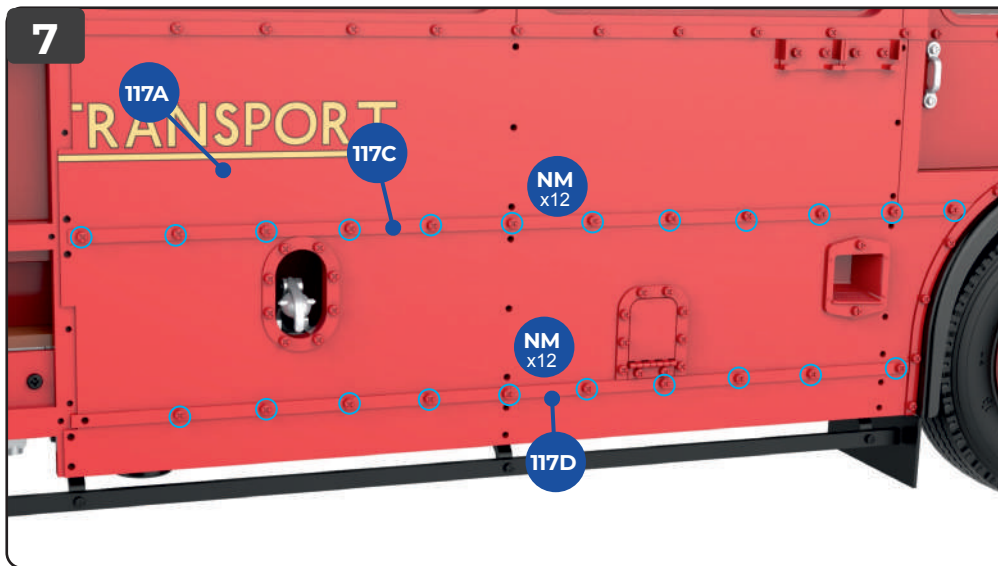
4 Fit the fuel access trim strip **117P** around the fuel filler opening. Fix in place with eight **NM** screws, which go through panel **117A** and into sockets in the frame beneath. Fit the service opening trim strip **117N** around the opening and fix in place with eight **NM** screws. Again, they go through panel **117A** and into sockets in the frame beneath.



5 Fit the service opening flap **1170** over the opening. The lower, hinged edge fits between the ends of the trim strip fitted in the previous step. Fix in place with two red **NM** screws. Fit the trim strip **1171**, marked A170B around the right-hand edge of panel **117A**, behind the wheel arch. Fix in place with five red **NM** screws.

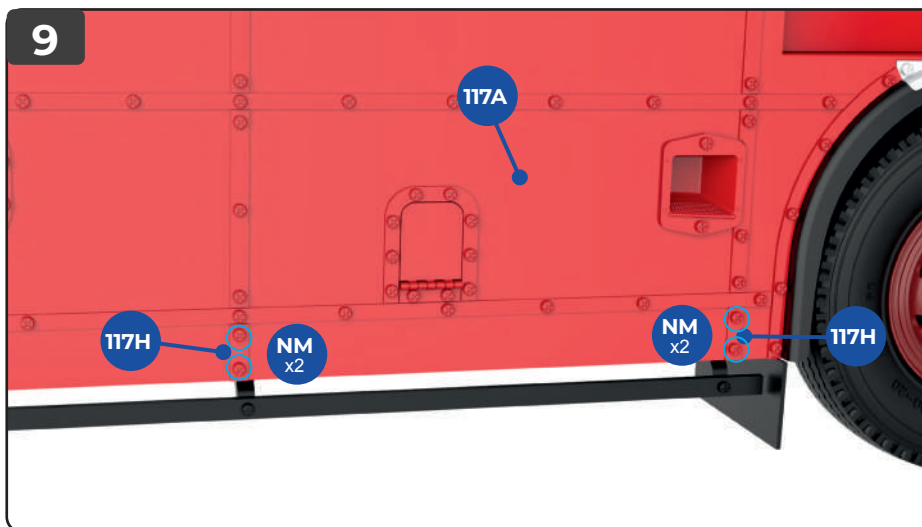
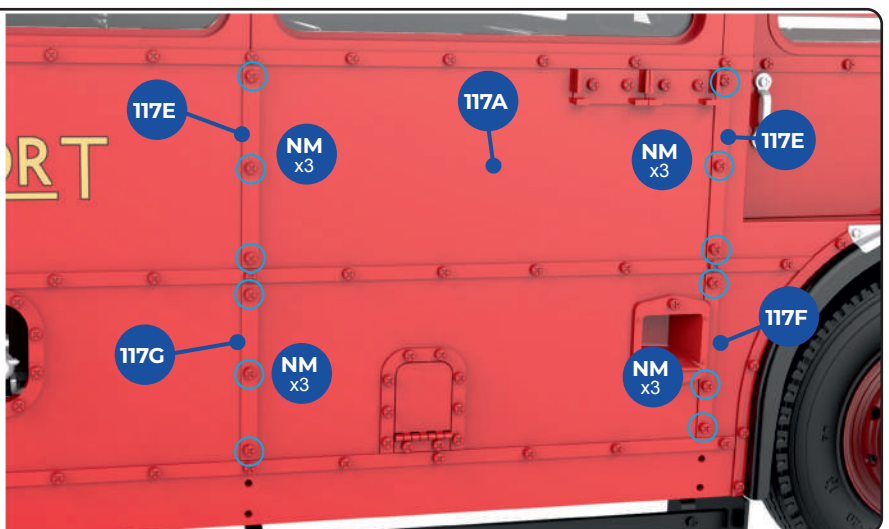


6 Take strip **117B**, marked A163, and fit it along the top of panel **117A**, checking that the screw holes are aligned. Note that at the front, the strip extends to the driver's door opening (circled in yellow). Fix in place with ten red **NM** screws (circled). They go through the strip and the panel, into the frame beneath. Leave the hole at the left-hand end free for the moment.

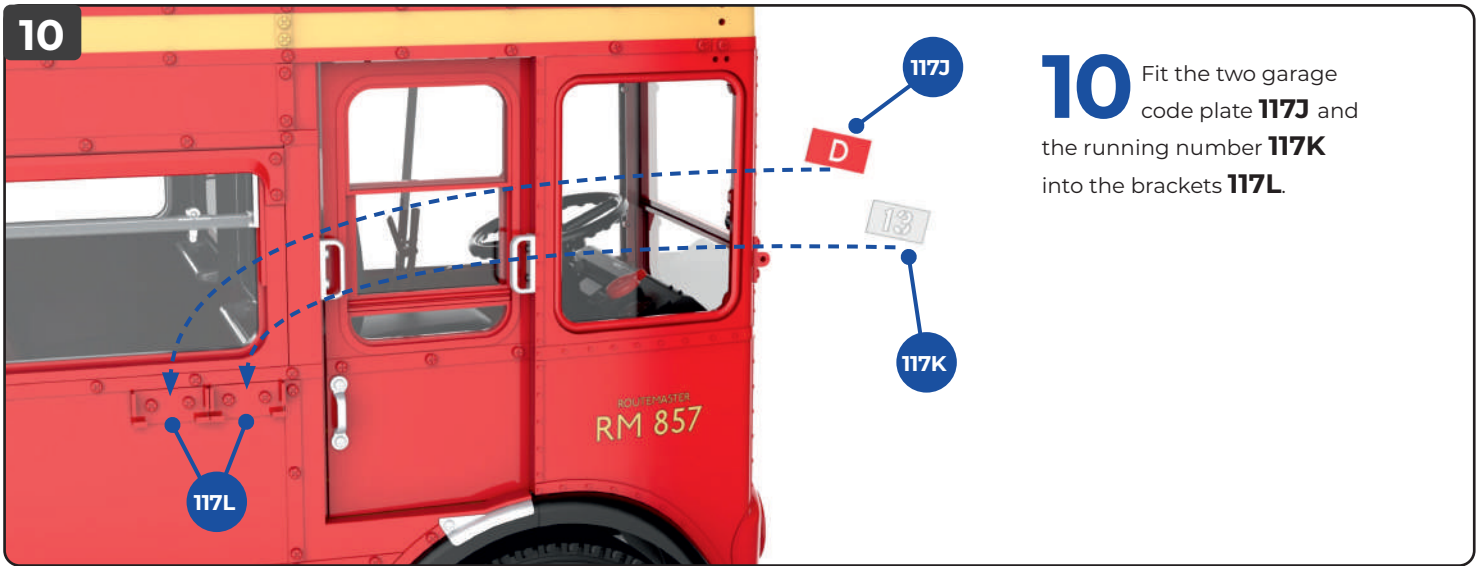


7 Fit strip **117C**, marked A163B, across the middle of panel **117A**, above the details fitted in the previous steps. Note that one end of strip **117C** is angled, to fit against the wheel arch. Fix in place with twelve red **NM** screws (circled). Fit strip **117D**, marked A163C, above the lower edge of panel **117A**, beneath the service opening. Fix in place with ten red **NM** screws. Leave the screw hole at the left-hand end free for now.

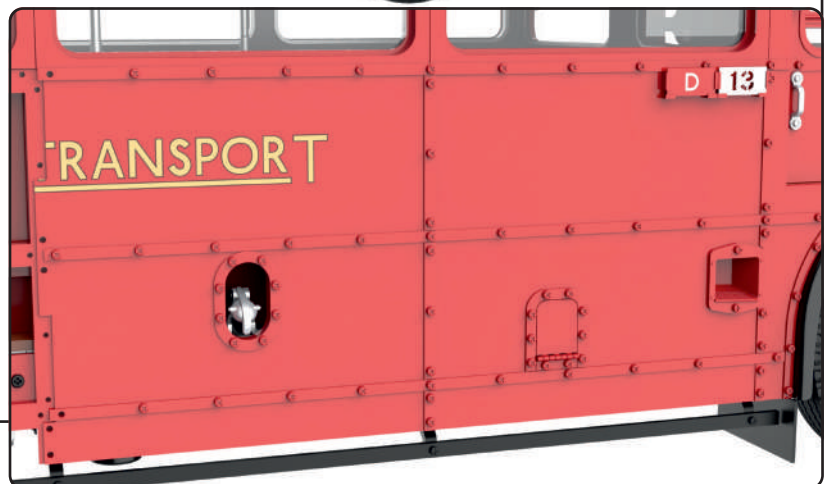
8 The first strip **117E**, marked A164, is fitted vertically to the right of the “London Transport” gold lettering. The second strip **117E**, marked A164, is fitted vertically beside the driver’s door opening. Fix each one in place with three red **NM** screws (circled). Fit strip **117G**, marked A166, vertically in line with the first strip **117E**; fit strip **117F**, marked A165M, in line with the section strip **117E** so that the indent fits around the step inset. Fix each of the strips in place with three red **NM** screws (circled).



9 The two short strips **117H**, marked A167, are positioned vertically at the bottom of panel **117A**, in line with the strips fitted in step 8. Fix each strip in place with two red **NM** screws (circled).



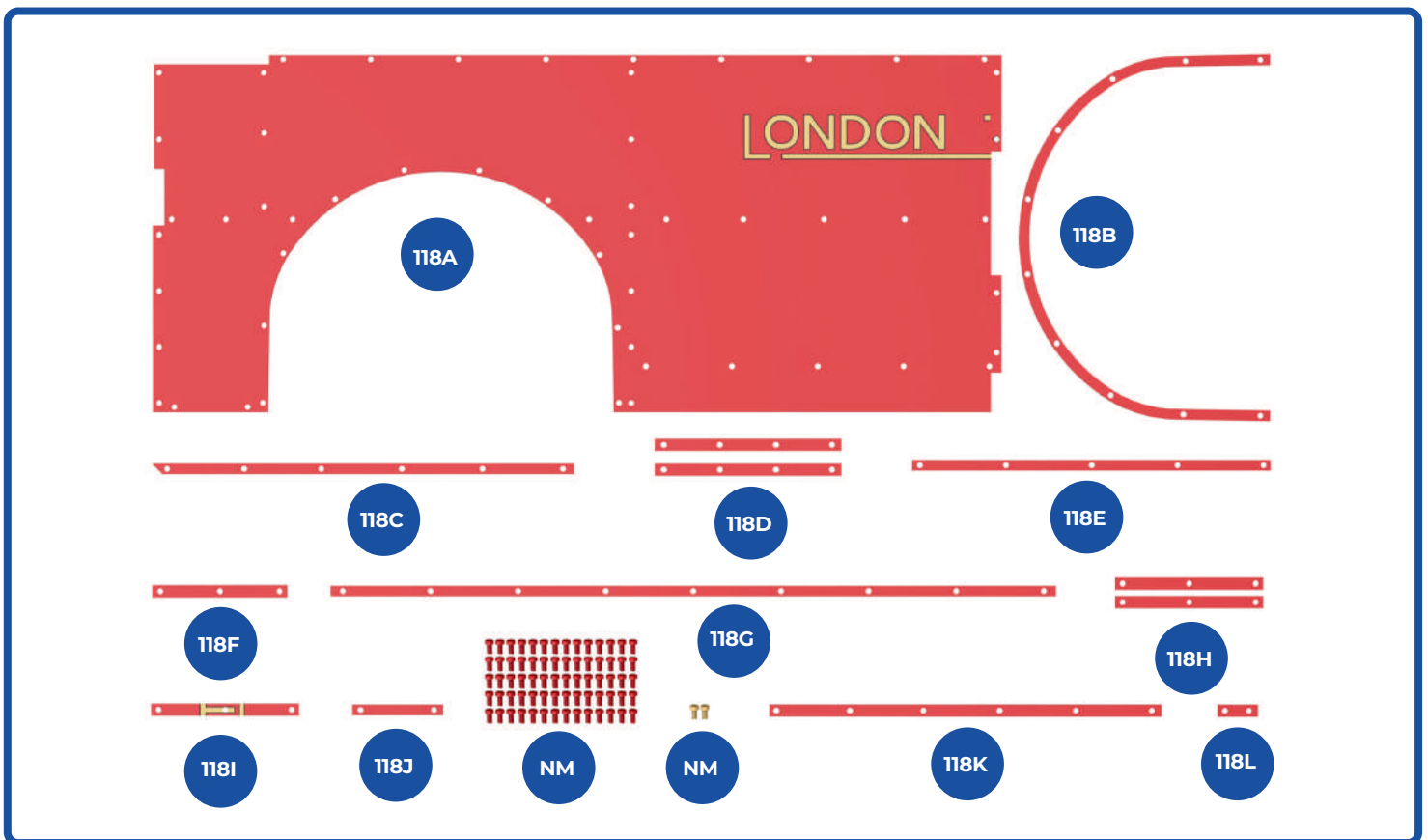
Finished views



STAGE 118

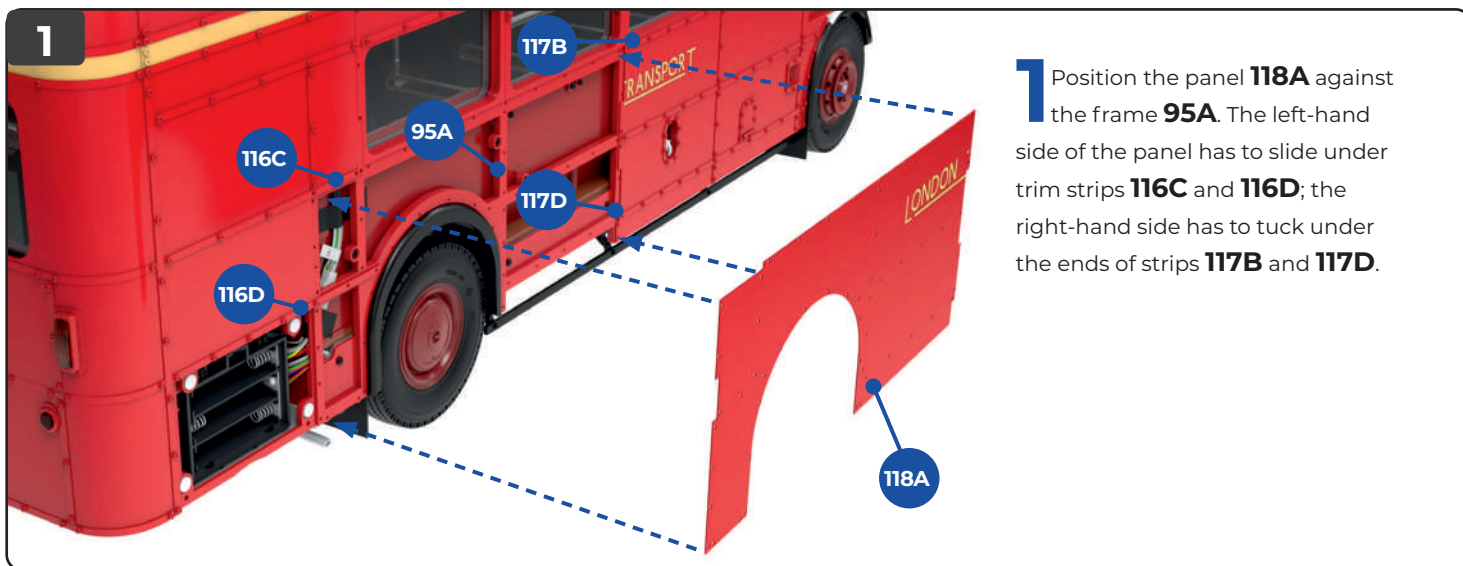
THE LAST PANEL FOR THE OFFSIDE LOWER DECK

The last panel for the offside of the lower deck fits over the wheel arch. A number of trim strips are fitted to finish the edges of the panel.

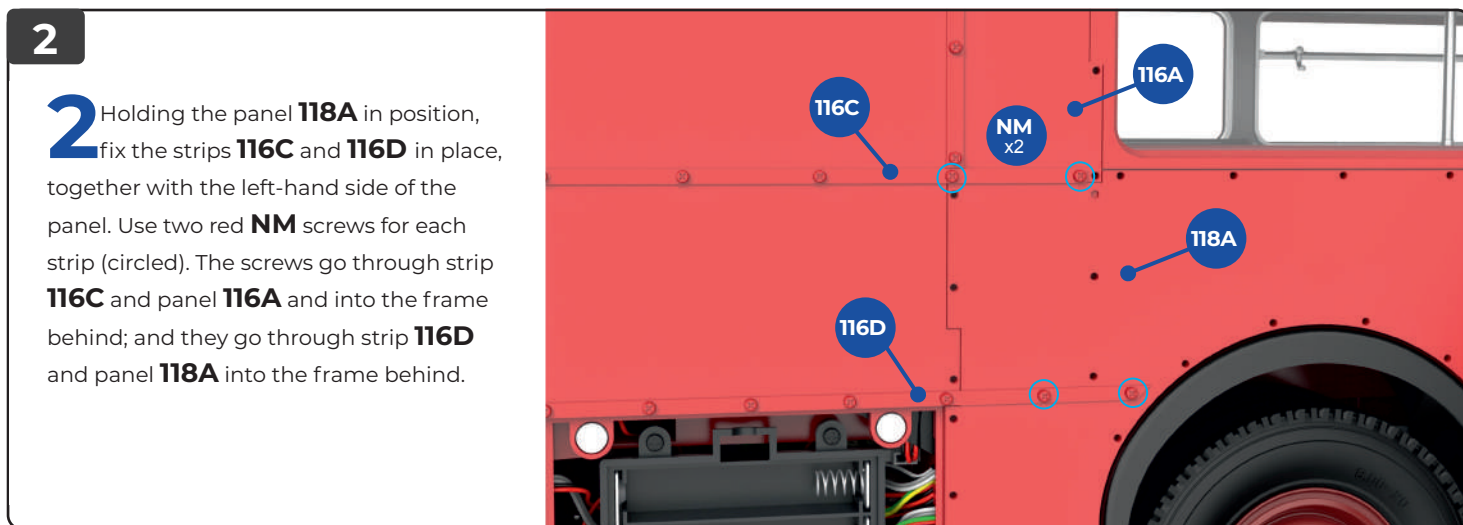


KEY TO PARTS SUPPLIED

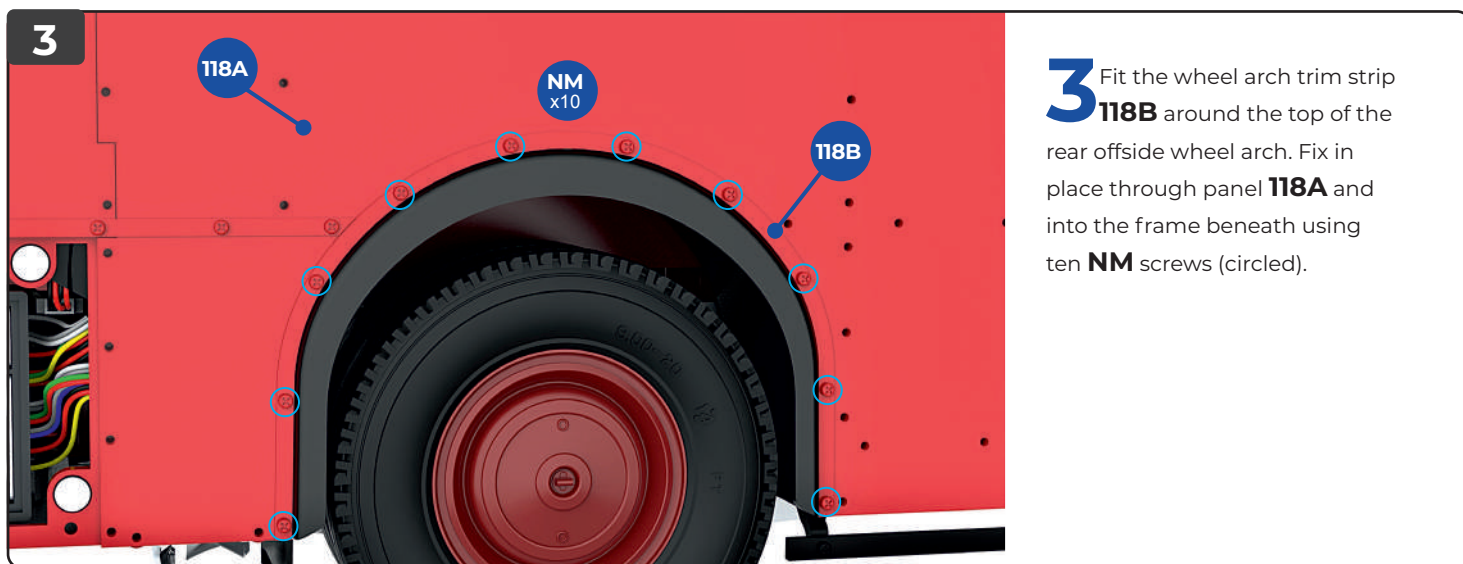
118A	Side panel	118H	Side strip, marked A164 (x2)	NM	1.5 x 3mm (x70, red)
118B	Rear offside wheel arch strip	118I	Side strip, marked A164	NM	1.5 x 3mm (x2, gold)
118C	Side strip, marked A169M	118J	Side strip, marked A174		
118D	Side strip, marked A172 (x2)	118K	Side strip, marked A181M		
118E	Side strip, marked A171	118L	Side strip, marked A167		
118F	Side strip, marked A166				
118G	Side strip, marked A175				
118I					
118J					
NM					
NM					
118K					
118L					



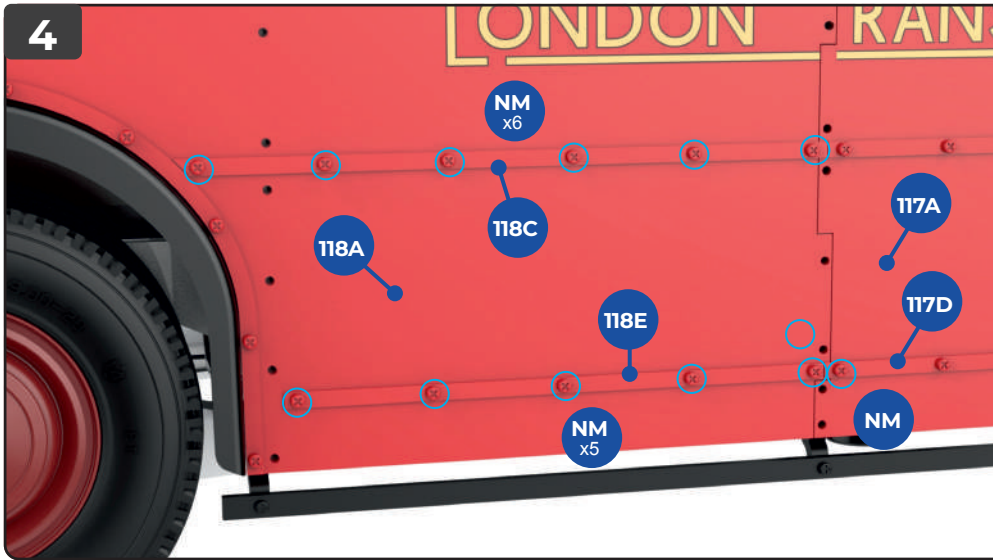
1 Position the panel **118A** against the frame **95A**. The left-hand side of the panel has to slide under trim strips **116C** and **116D**; the right-hand side has to tuck under the ends of strips **117B** and **117D**.



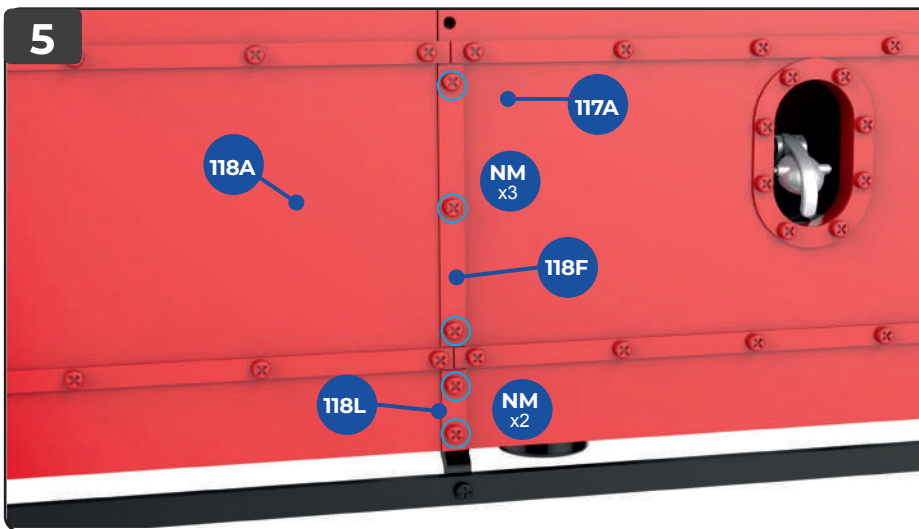
2 Holding the panel **118A** in position, fix the strips **116C** and **116D** in place, together with the left-hand side of the panel. Use two red **NM** screws for each strip (circled). The screws go through strip **116C** and panel **116A** and into the frame behind; and they go through strip **116D** and panel **118A** into the frame behind.



3 Fit the wheel arch trim strip **118B** around the top of the rear offside wheel arch. Fix in place through panel **118A** and into the frame beneath using ten **NM** screws (circled).



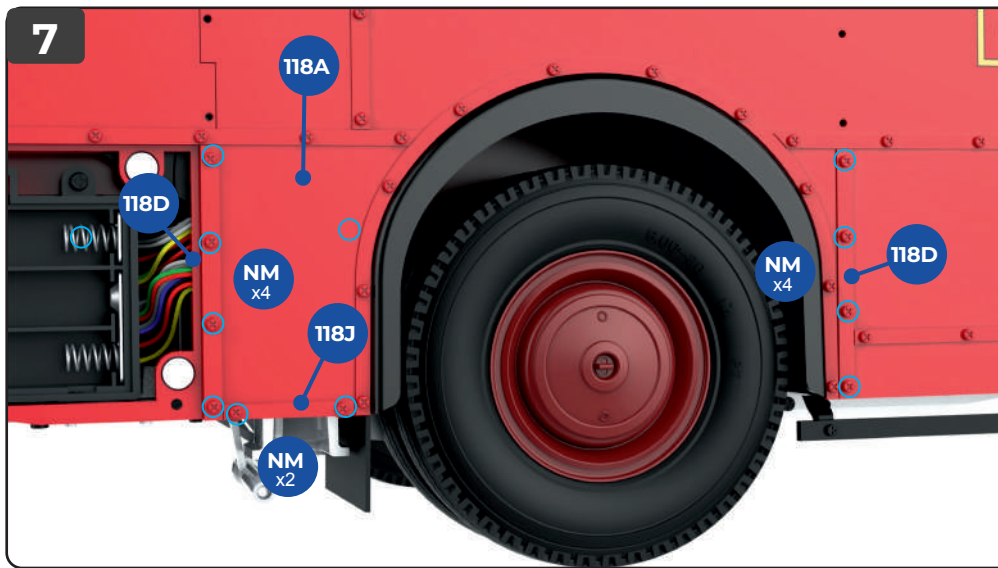
4 Take strip **118C**, marked A169M and fit it across the middle of panel **118A**. Note that one end slopes, to align with the wheel arch trim strip. Fix in place with six red **NM** screws, which go through panel **118A** and into the frame beneath. Fit trim strip **118E** marked A171 across panel **118A** near the lower edge. Fix in place with five red **NM** screws. Fix the end of strip **117D** to panel **117A** and the frame beneath using one red **NM** screw.



5 Fit the strip **118F**, marked A166, vertically over the seam between panels **117A** and **118A**. Fix in place with three red **NM** screws. Fit the short trim strip **118L**, marked A167, vertically at the bottom of the seam, in line with strip **118F**, and fix in place with two red **NM** screws.

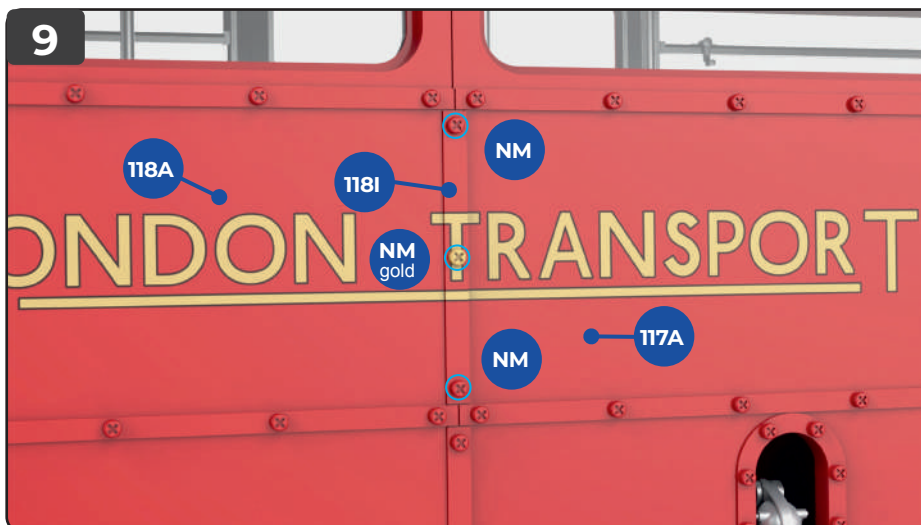


6 Take strip **118K**, marked A181M, and fit it vertically behind the lower deck rear offside window, over the edge of panel **116A**, covering the seam with panel **118A**. Fix in place with six red **NM** screws.

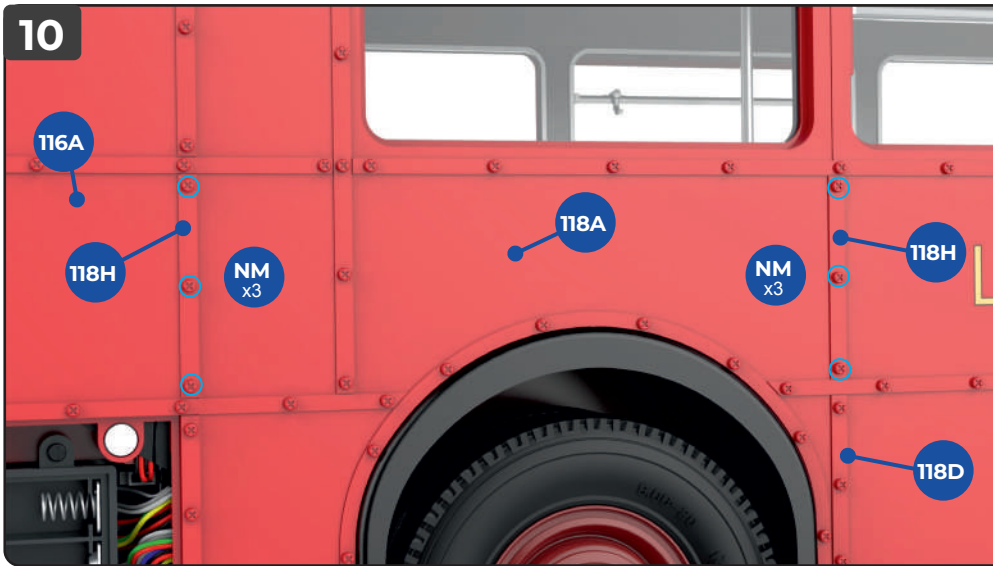


7 Fit the first strip **118D**, marked A172, vertically to the right of the wheel arch, as shown. Fix in place with four red **NM** screws (circled). Fit the second strip **118D** down the left-hand side of panel **118A**, next to the opening for the batteries. Fix in place with four red **NM** screws. Fit strip **118J**, marked A174, across the lower edge of panel **118A**, between the wheel arch and the battery box opening. Fix in place with two red **NM** screws.

8 Fit strip **118G**, marked A175, across the top of panel **118A**, beneath the lower deck windows, ensuring screw holes are aligned. Fix in place with nine red **NM** screws. Fix the end of strip **117B** in place with one red **NM** screw.



9 Fit strip **118I**, marked A164, vertically down the seam between panel **118A** and **117A**, so that the "T" of "London Transport" is complete. Fix in place with two red **NM** screws and one gold **NM** screw.



10 The first strip **118H**, marked A164, runs vertically over the seam between panels **116A** and **118A**. Fix in place with three red **NM** screws. The second strip **118H** runs vertically below the windows, in line with strip **118D**, fitted in step 7. Fix in place with three red **NM** screws.

Finished views



STAGE 119

COVERS FOR THE BATTERIES AND BATTERY COMPARTMENT

The battery compartment on your Routemaster Bus is under the stairs, accessed from the outside of the bus. The same arrangement gives storage space for the battery box on your model.



KEY TO PARTS SUPPLIED

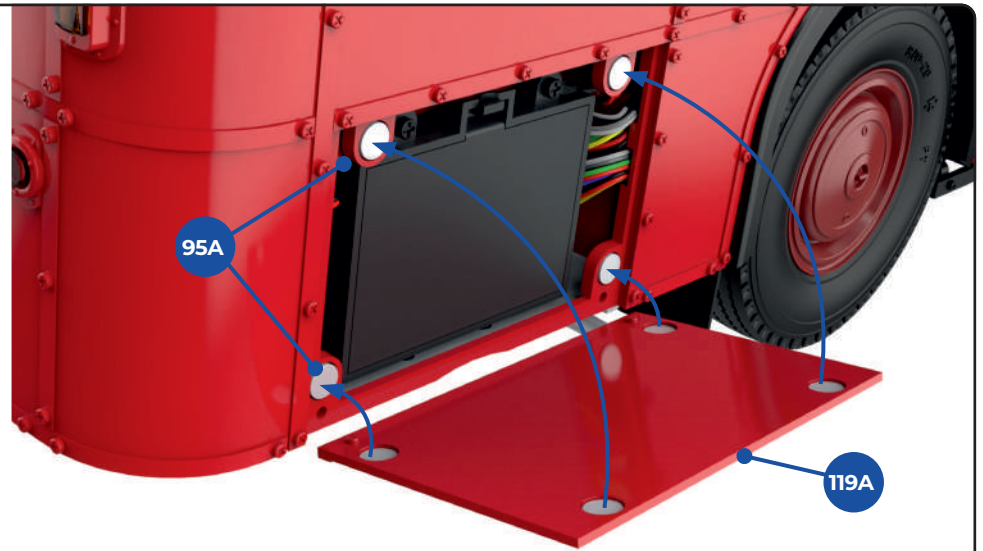
- 119A** Battery compartment panel
- 119B** Battery box cover



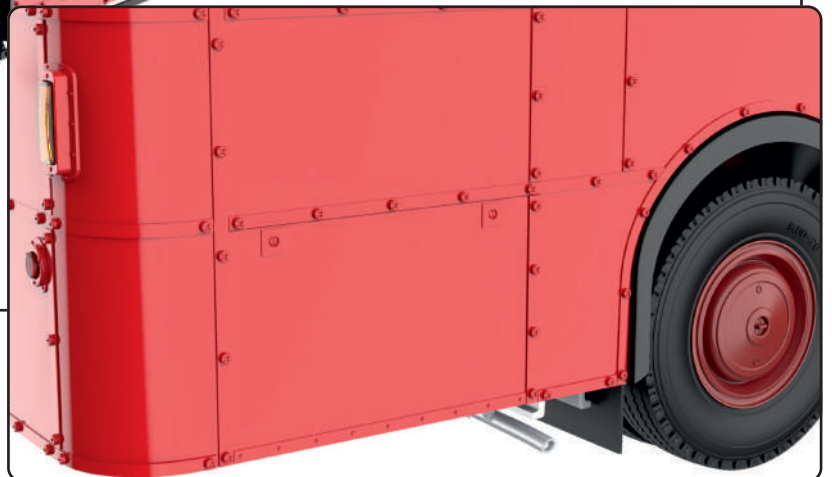
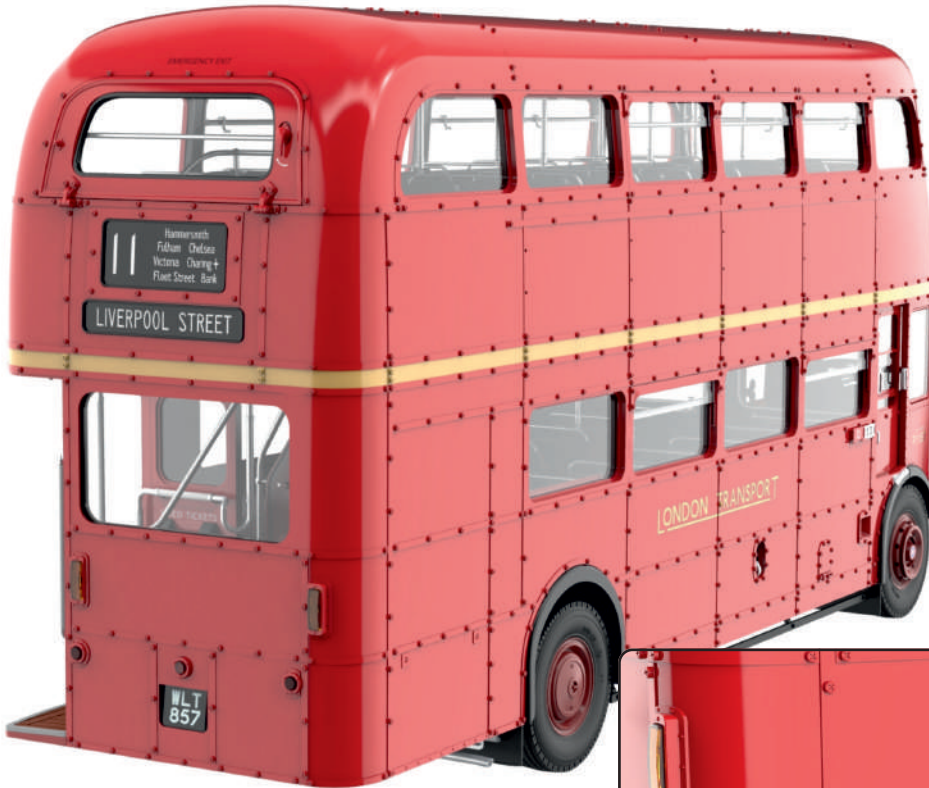
1 Fit the tabs on the battery box cover **119B** into the slots in the bottom of the battery box **56B**. Make sure that you have the cover the right way round, as shown. The battery box cover **119B** can then be hinged up so that the catch fits into the opening at the top of the battery box **56B**.

2

2 The outer battery compartment cover **119A** is fixed to the frame **95A** magnetically, as shown. Locating pegs at the bottom corners of the cover **119A** fit into holes in the frame. Do not use any glue, so that you can remove the cover to change the batteries.



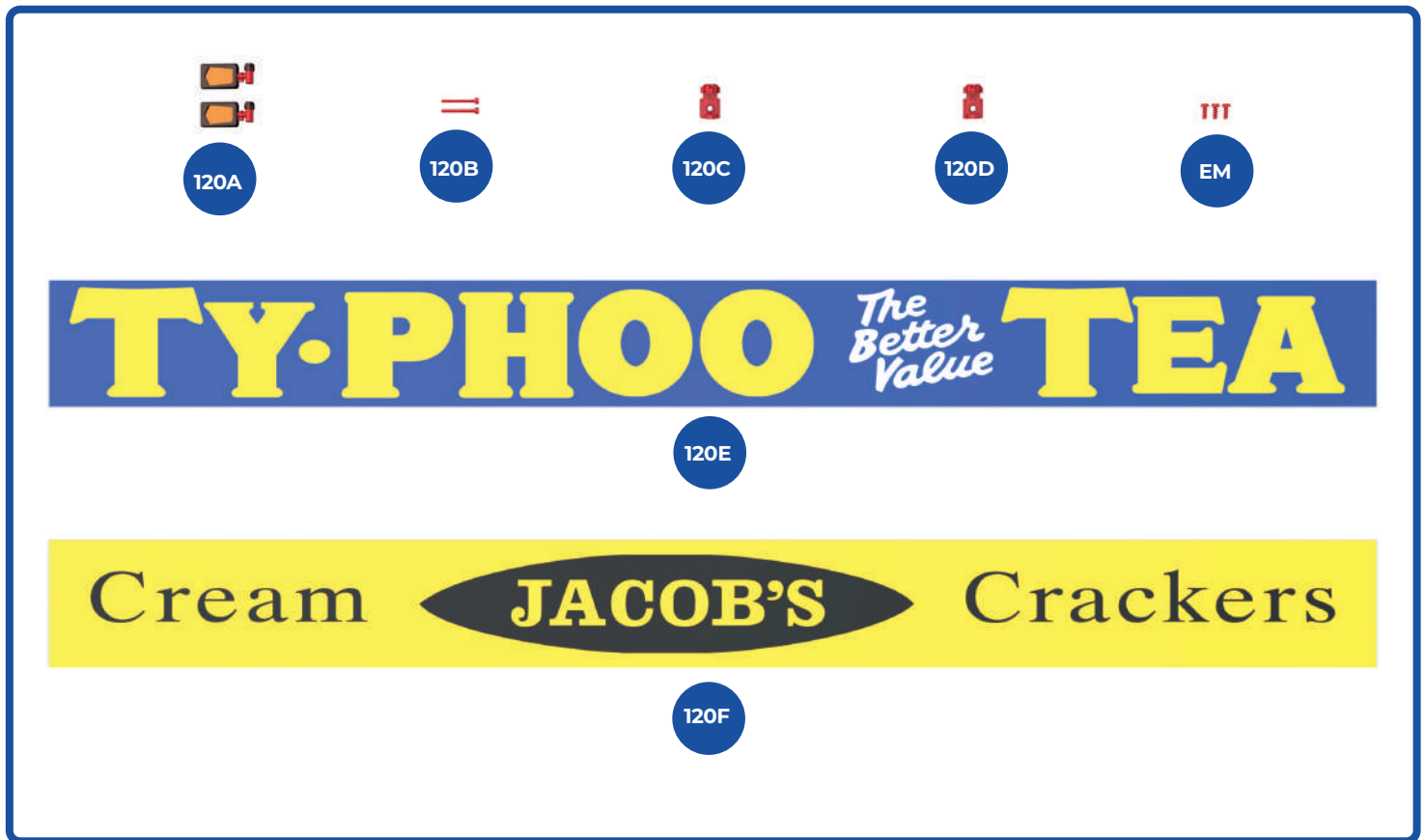
Finished views



STAGE 120

ADVERTISEMENTS AND INDICATORS


Two advertisements are applied to the sides of the model and the left and right indicators are fitted to the front of the bus.



KEY TO PARTS SUPPLIED

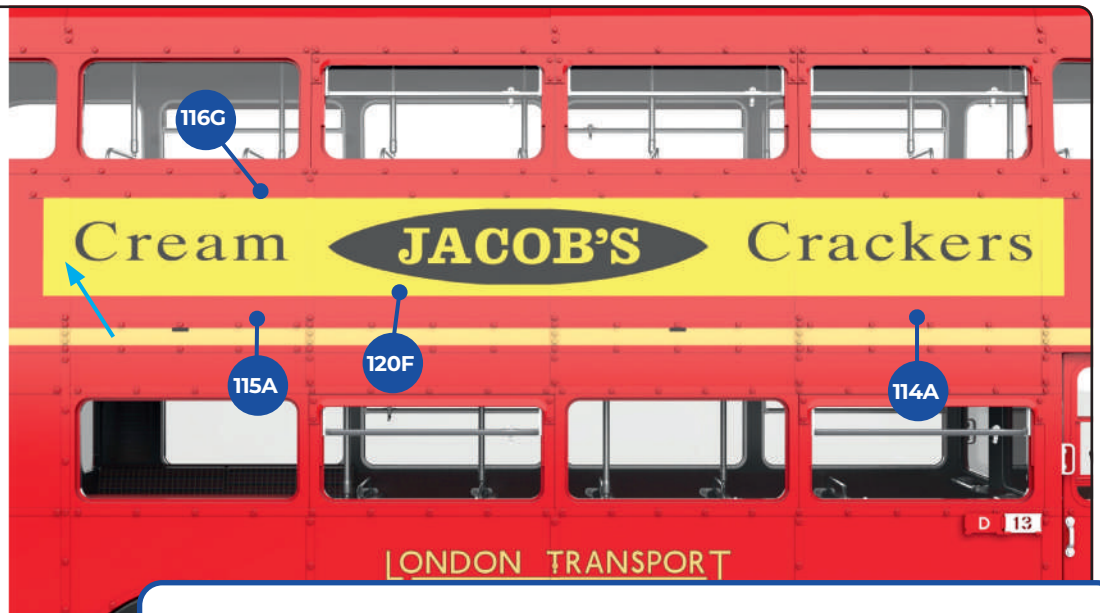
- 120A** Indicator (x2)
- 120B** Pin (x2)
- 120C** Left mounting bracket (marked L)
- 120D** Right mounting bracket (marked R)
- 120E** Ty-Phoo Tea ad sticker
- 120F** Jacob's Cream Crackers ad sticker

- EM** 1.5 x 4mm screws (x3, red)

 You may find it easier to position the stickers if you lay the model on its side. If you choose to do this, take extreme care and make sure it is laid upon a soft surface that will not cause damage. Make sure that the sides of the bus are clean and free from grease or dust before you position the stickers.

1

Check the positioning of the first ad sticker **120F** on the offside of the model. It is applied to the upper deck outer panels **115A** and **114A**, so that the top edge is aligned with the bottom of the strip **116G**. Note the position of the left-hand end, close to one of the vertical trim strips (blue arrow). Working from the left-hand end, start to peel the backing off the sticker. Keep the top of the sticker aligned with the trim strip **116G** as you fix it in place, ensuring that it wraps smoothly over the vertical strips without any air bubbles.



Warning: It is important to take time and extra care with these steps. Only remove as much of the sticker backing as necessary as you work across the model. The adhesive is strong and once stuck in place it will be extremely difficult to reposition the sticker without damaging it.



2



Repeat step 1 on the other side of the bus to stick the Ty-Phoo Tea ad **120E** in place on panels **109A** and **110A**, directly below strip **111G**.

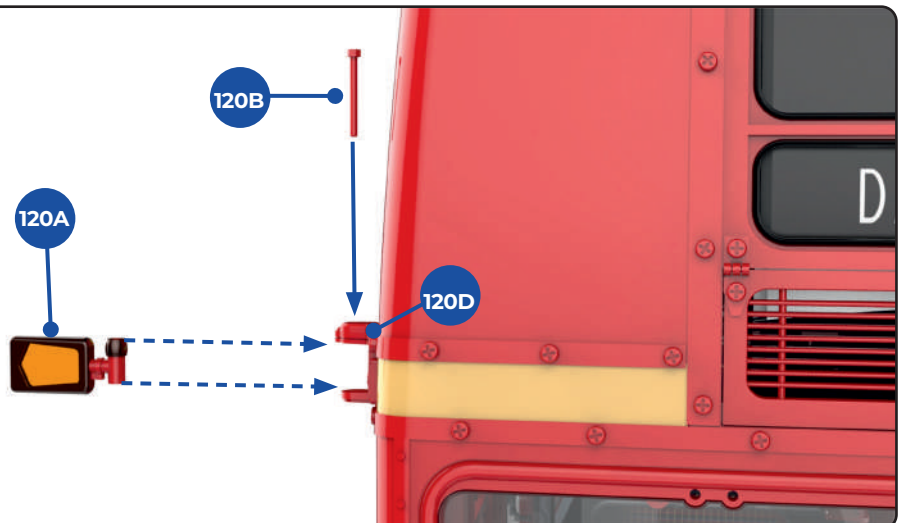
3

3 Take the right mounting bracket **120D**, marked R, and fit it near the front offside corner of the model: a locating pin fits in a socket (light blue arrow) and the screw hole in the bracket aligns with a hole in panel **104A**. Fix in place with a red **EM** screw.



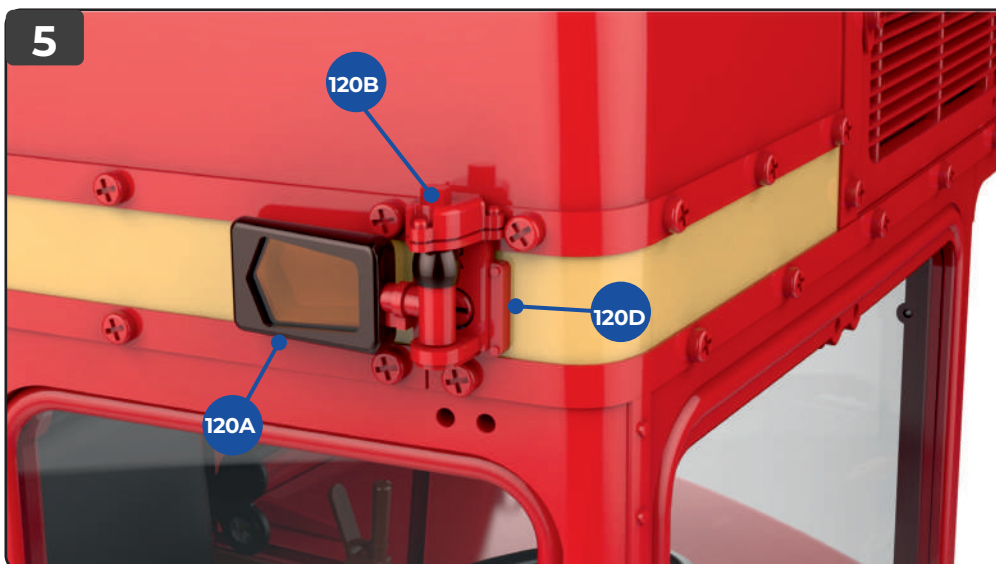
4

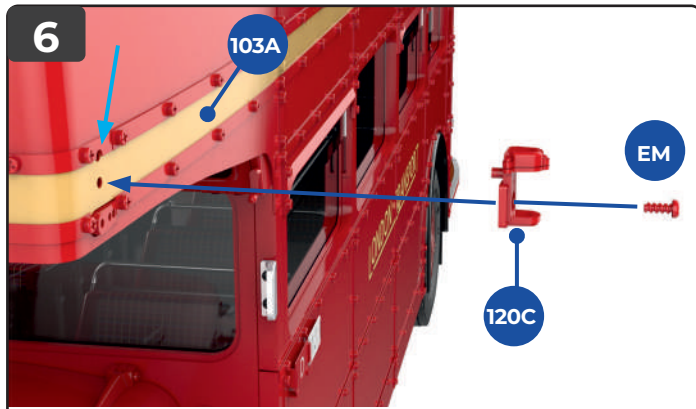
4 Take one of the indicators **120A** and one of the pins **120B**. Fit the indicator in the bracket **120D**, noting which way up it goes. When in place, fit the pin through the bracket and the hinge of the indicator. The end of the pin fits into a hole in the lower arm of the bracket. During manufacture, the lower hole may have become clogged with paint and may need to be cleared out for the pin to fit.



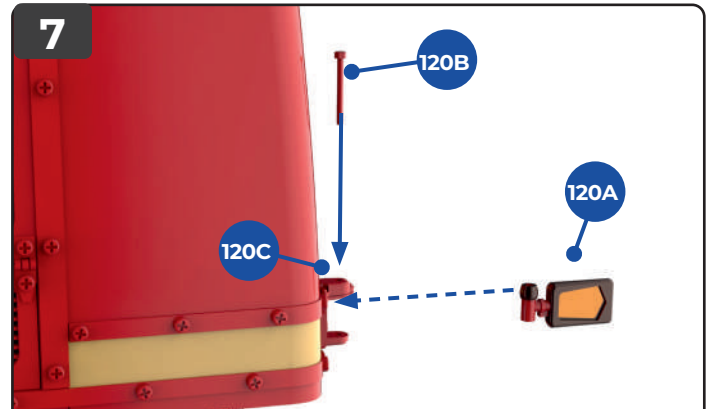
5

5 The indicator can be folded back, as shown here, but when the bus is in service it should be at right angles to the side of the model.



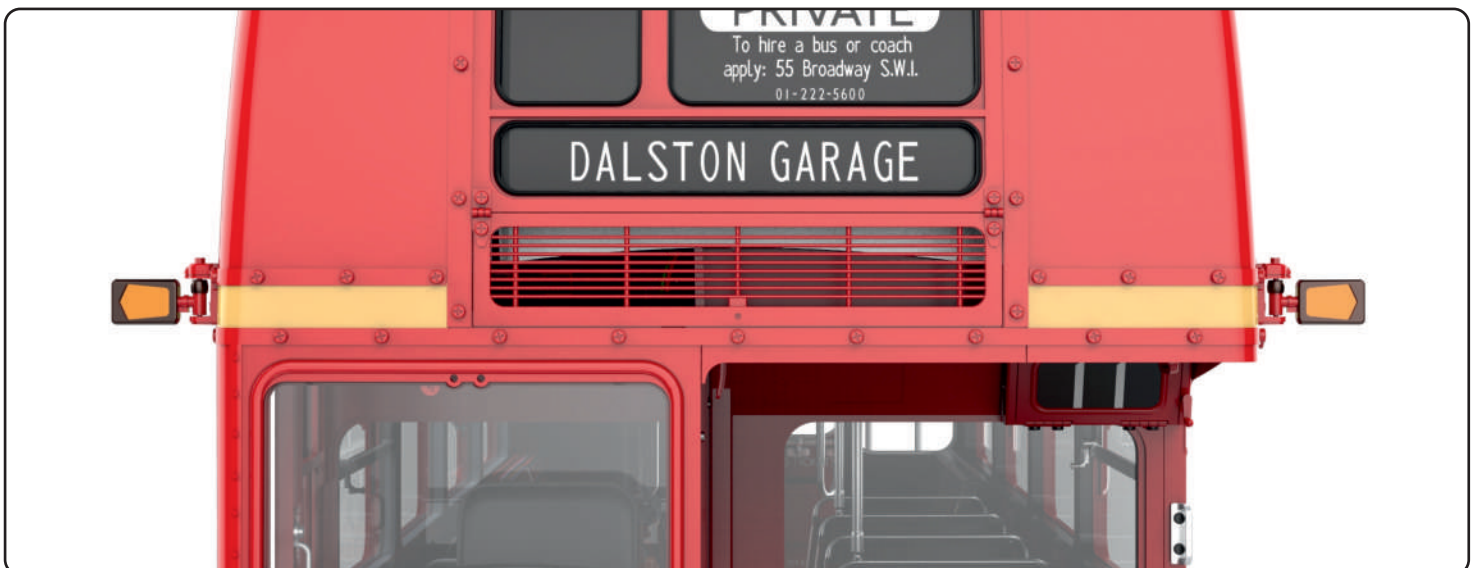
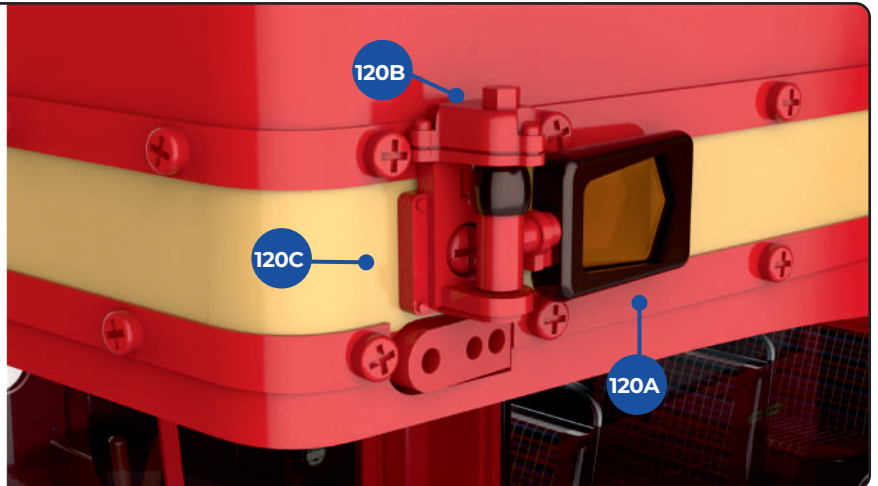


6 Take the left mounting bracket **120C**, marked L, and fit it near the front nearside corner of the model: a locating pin fits in a hole (light blue arrow) and the screw hole in the bracket aligns with a hole in panel **103A**. Fix in place with a red **EM** screw.



7 As for the offside, take one of the indicators **120A** and one of the pins **120B**. Fit the indicator in the bracket **120C**, and secure it in place with a pin, as shown. Again, you may need to clear any paint that has clogged the hole.

8 The indicator can be folded back, as shown on the right, when the vehicle is in the bus washing machine, or when it hits shrubs or other obstructions along the roadside. When the bus is in service the indicators are at right angles to the side of the model (shown below).



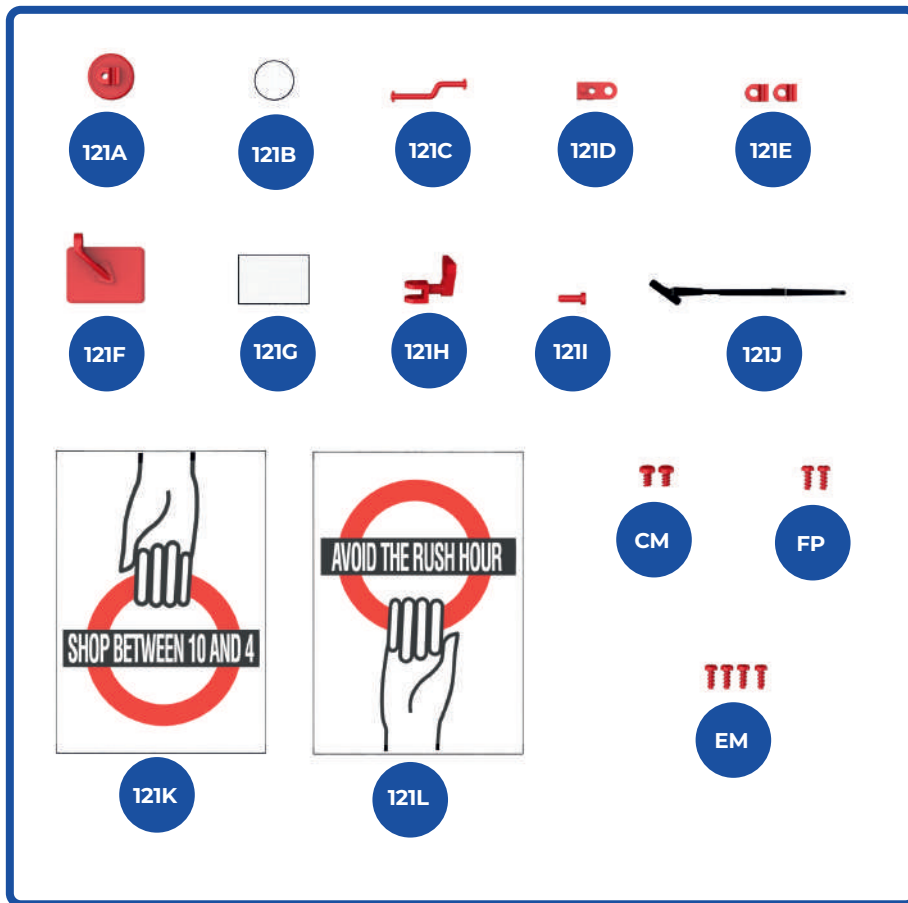
Finished views



STAGE 121

WINDSCREEN WIPER, MIRRORS AND ADVERTISING STICKERS

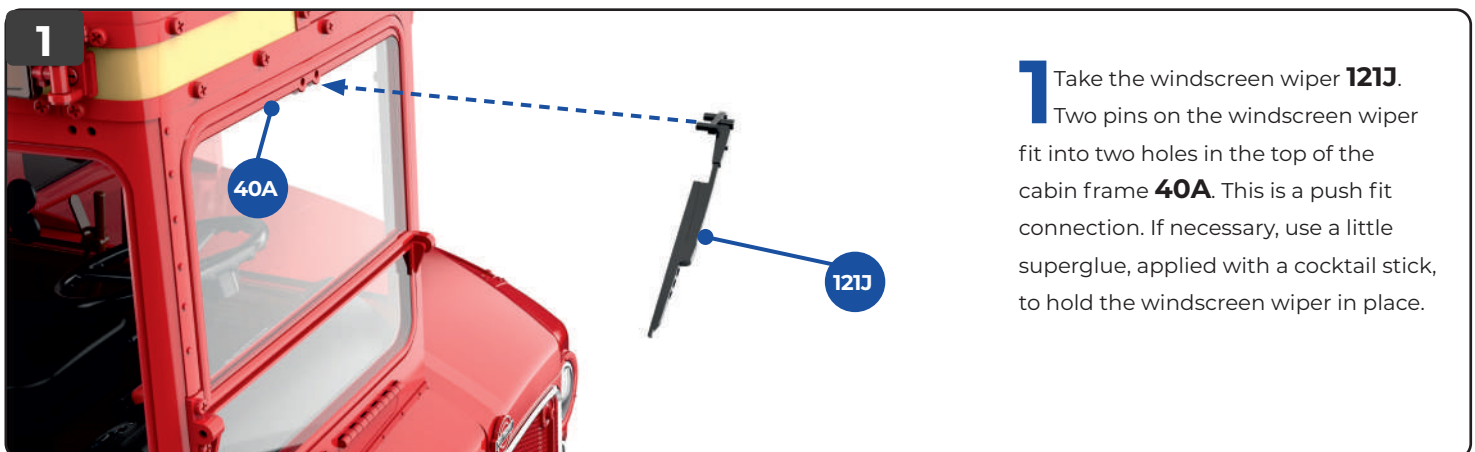
For the final stage of the build, the last details are added to your model: the windscreen wiper, rear view mirrors on the nearside and offside, and the last two advertisements.



KEY TO PARTS SUPPLIED

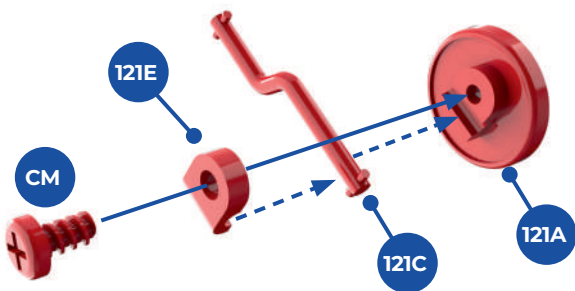
- 121A** Nearside rear view mirror back
- 121B** Left rear view mirror
- 121C** Mirror hinge
- 121D** Mounting bracket
- 121E** Clip (x2)
- 121F** Offside rear view mirror back
- 121G** Right rear view mirror
- 121H** Mounting bracket
- 121I** Pin
- 121J** Windscreen wiper
- 121K** Ad sticker
- 121L** Ad sticker

- CM** 1.7 x 4mm (x2, red)
- FP** 1.5 x 4mm (x2, red)
- EM** 1.5 x 4mm (x4, red)



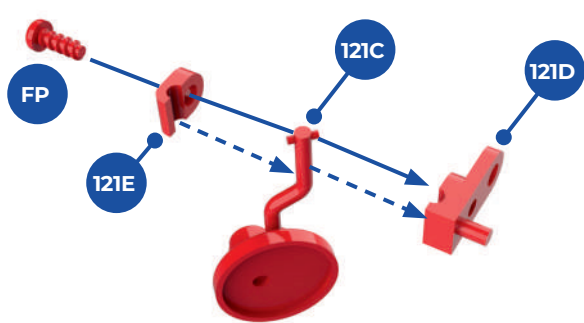
1 Take the windscreen wiper **121J**. Two pins on the windscreen wiper fit into two holes in the top of the cabin frame **40A**. This is a push fit connection. If necessary, use a little superglue, applied with a cocktail stick, to hold the windscreen wiper in place.

2



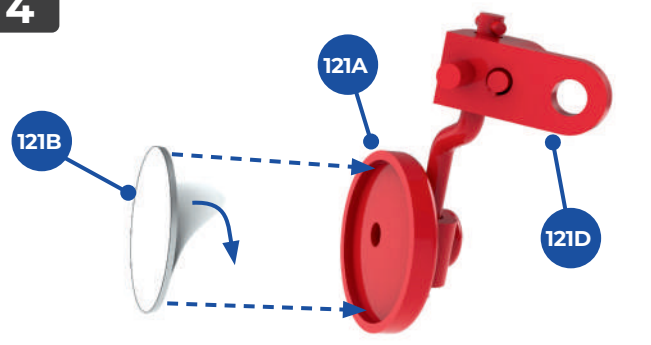
Take the nearside mirror back **121A** and fit the longer arm of the mirror hinge **121C** into the channel in the mirror back. Fit one of the clips **121E** over the hinge to hold it in place. When you are happy with the fit, fix in place with one red **CM** screw.

3



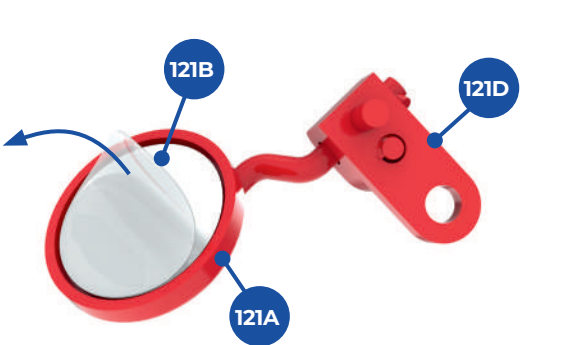
Fit the other arm of the hinge **121C** into the channel in the bracket **121D**. Fit the second clip **121E** over the hinge to hold it in place. Fix in place with one red **FP** screw.

4



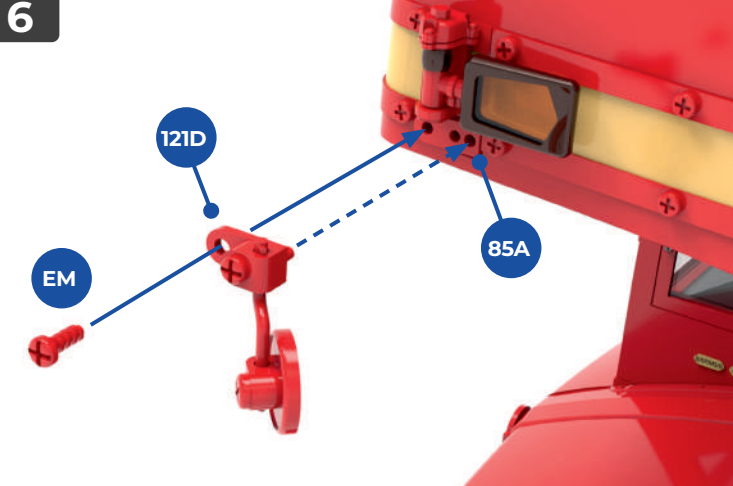
Peel the backing paper off the mirror **121B**. Fix the mirror into the recess in the mirror back, as shown in the image.

5

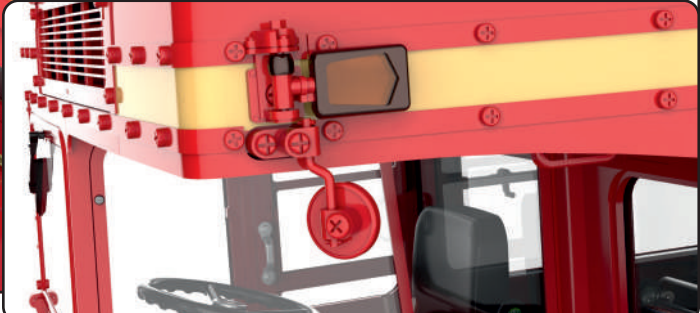


Peel the protective film off the front of the mirror **121B**. Check that you have the mirror at the right angle in relation to the bracket **121D**, as shown.

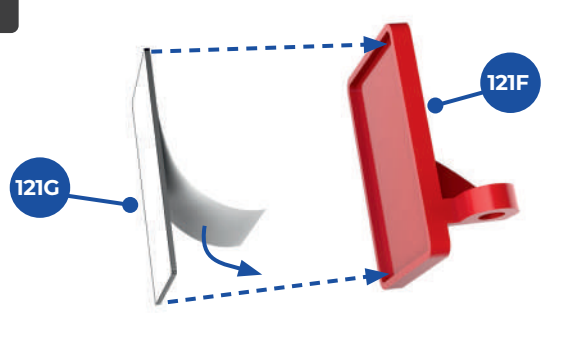
6



6 It is easier to fit the mirror with the indicator ear folded back. Fit the bracket **121D** in place at the front nearside of the bus: a pin on the bracket fits in a locating hole in the framework **85A** (dotted line). Fix in place with a red **EM** screw.

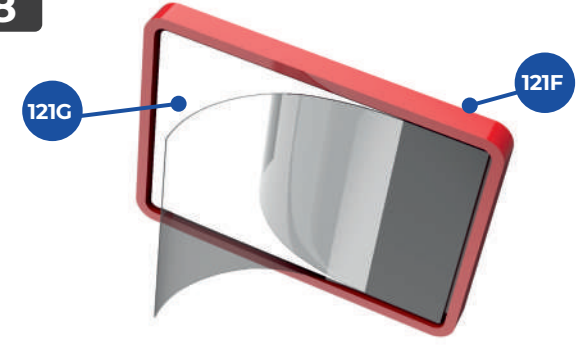


7



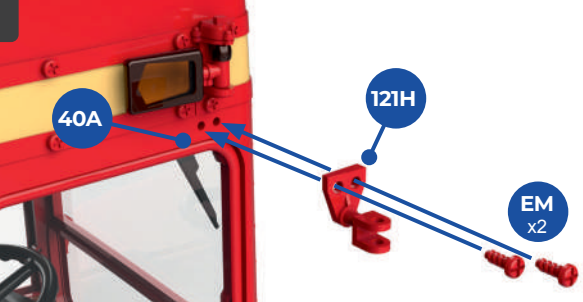
7 Peel the backing paper from the right rear view mirror **121G** and fit it into the right rear mirror back **121F**.

8



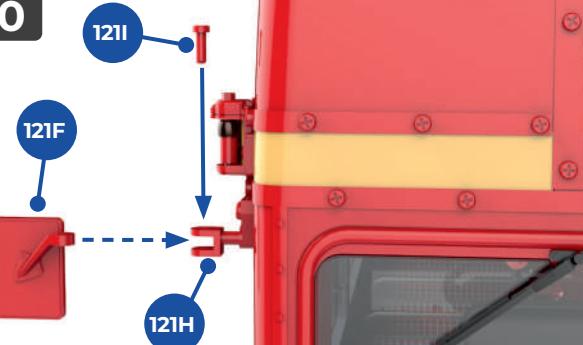
8 Peel the protective layer off the mirror **121G**.

9

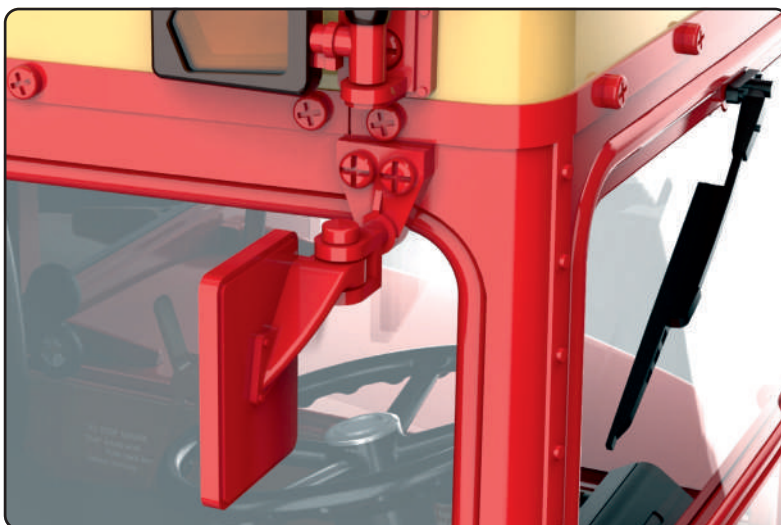


9 Check the fit of the mirror back **121F** in the arms of the bracket **121H** (see next step) and if necessary clear any surplus paint. Fit the mounting bracket **121H** in position against the cabin frame **40A**, beneath the offside indicator. Fix in place with two **EM** screws.

10

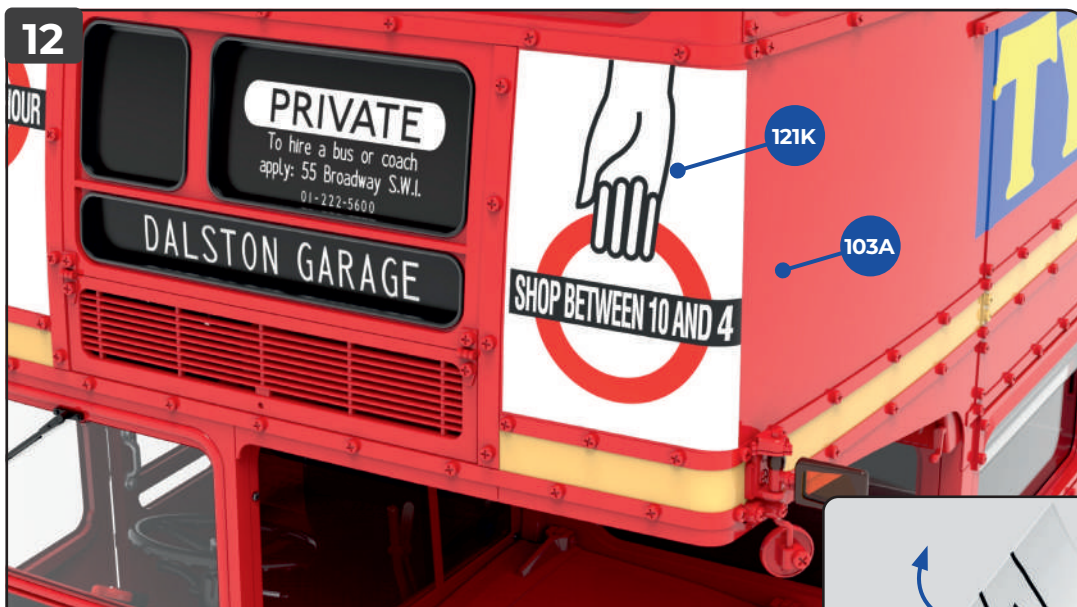
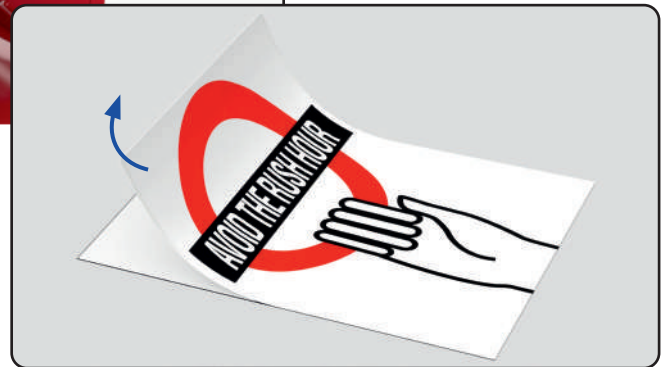


10 Fit the socket on the back of the mirror back **121F** between the arms of the mounting bracket **121H**. (dotted line). Fix in place with the pin **121I**, by fitting the pin down through the holes in the mounting bracket.





11 The last detail is the advertising stickers on the front of the bus. Make sure the front panels are clean and free from dust and grease. Check the position first: **121L** goes on the offside of the bus, on panel **104A**. Three sides of the poster butt up to trim strips around the panel. Starting from the top, peel the poster off its backing, a little at a time, and stick it in place.



12 The second sticker, **121K**, goes on the nearside of the bus on outer panel **103A**. Again, three edges butt up to trim strips around the panel. Peel the backing off the sticker as you fix it in place.



Finished views

