Pack 09

BUILD INSTRUCTIONS

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STAGE 81
BACK WALL PANEL

We fit the wall at the top of the stairs, together with an LED, and then fit the back wall panel. Finally, the upright poles on the upper deck are fitted to the seat backs.

KEY TO PARTS

81A Back wall panel
81B Upright grab poles for upper deck (x8)

FM 2.3 x 4mm (x2)
JP 2.3 x 4mm (x11)

You will need the upper deck lighting circuit, from stage 72, and the wall for the top of the stairs, which was assembled in stage 74.
1 Disconnect the end section of cable N\text{72A} from the rest of the upper deck lighting circuit. This section has a single LED (circled).

2 Fit the LED on the end of cable N\text{72A}, black-red into the lamp holder in the wall at the top of the stairs 74B (inset). Note that the leads have to be carefully bent, as shown.

Check the fit of the wall at the top of the stairs 74A with the rear of the upper deck. It has to be slid in place from below, so that the ridge on part 74A fits into the groove in part 67A, as indicated by the dotted red line. Check that the screw sockets in part 74A are aligned with those in 67A, 70A and 66D, as indicated by the arrows.
3 Fix the stair wall 74A in place with three JP screws and one FM screw (highlighted in red, going into the frame 70A). The cable N 72A remains unconnected at this stage (inset). Anchor it in place with a little masking tape if necessary.

4 Fit the back wall panel 81A in place, against the rear walls of the upper deck 78C and 79C. You will need to raise the floor of the upper deck above the work surface to get a proper fit, as part 81A hangs down below the level of the floor. Fix the upper section of the rear wall 81A to the curved section of the right wall panel 79C using two JP screws.
5 Similarly, fit the back wall 81A to the left side wall 78C using two JP screws. At the back of the upper deck, fix the wall panel 81A to the rear seat back 66A using two JP screws. You may need to push the seat back slightly to make sure the screws engage.

6 Take the eight upright grab poles 81B and check which end of each one has a socket. Fit the sockets on to the pegs on the ends of the alternate seats on both sides of the upper deck. NOTE: The sockets are slightly angled, sloping down from front to back, as shown by the red dotted lines in the inset.
Finished views
The middle ceiling panel for the upper deck is supplied, and we fit sockets, which will hold the upright grab poles in place when the ceiling is in place. We also fit lamps, to receive the LED lights at a later stage.
1. Take the mid ceiling section 82A and identify the four recesses for the sockets 82B. One at a time, fit the sockets into the recesses as indicated.

2. After fitting each socket, turn the ceiling 82A over and fix the socket in place with a DP screw. Continue until all four sockets are fixed in place.
3 Take two of the ceiling lamps 82C and fit them into the sockets in the side of the ceiling panel 82A so that the 'lamps' go through to the inside of the ceiling. One at a time, peel the strips of tape 82E from the backing and use them to stick the ceiling lamps in place.

4 The ceiling lamps 82C are held in place on the outside of the ceiling 82A by the strips of tape 82E.
5 Turn the ceiling panel 82A around. Fit two more ceiling lamps 82C into the recesses in the side of the ceiling and fix each one in place with two strips of tape 82E.

6 The strips of tape 82E hold the ceiling lamps 82C in place on the ceiling panel 82A.
The first ceiling panel has been assembled. The advertising stickers will be fitted at a later stage.
STAGE 83

UPPER DECK CEILING

The front ceiling section for the upper deck is supplied, and we fit grab pole sockets, lighting and an advertisement. The additional advertisements will be used in a future stage.

KEY TO PARTS

<table>
<thead>
<tr>
<th>PART</th>
<th>DESCRIPTION</th>
<th>SIZE</th>
<th>QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>83A</td>
<td>Front ceiling section</td>
<td></td>
<td></td>
</tr>
<tr>
<td>83B</td>
<td>Sockets (x2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>83C</td>
<td>Advertising panel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>83D</td>
<td>Ceiling lamps (x4)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>83E</td>
<td>Advertising stickers (x5)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>83F</td>
<td>Advertising sticker</td>
<td></td>
<td></td>
</tr>
<tr>
<td>83G</td>
<td>Tape strips</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DP</td>
<td>1.7 x 4mm (x3)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>JP</td>
<td>2.3 x4mm (x3)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IP</td>
<td>2.3 x5mm (x5)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
1. Fit the advertising panel 83C in place on the flat area at the front of the ceiling panel 83A. Fix in place with two JP screws.

2. Peel the advertising sticker 83F off its backing (inset above) and stick in place on the advertising panel 83C.

3. One at a time, fit the sockets 83B into the recesses in the front ceiling section 83A, then turn the ceiling over and fix each socket in place with a DP screw.
4 Take two of the ceiling lamps \(83D\) and fit them into the sockets in the side of the ceiling panel \(83A\). One at a time, peel the strips of tape \(83G\) from the backing and use them to stick the ceiling lamps in place.

5 The ceiling lamps \(83D\) are held in place on the outside of the ceiling \(83A\) by the strips of tape \(83G\).
6 Turn the ceiling panel 83A around. Fit two more ceiling lamps 83D into the recesses in the side of the roof and fix each one in place with two strips of tape 83G. The inset above shows the ceiling lamps 83D fixed in place.

7 Take the mid ceiling assembly 82A from the previous stage. Fit the two long tabs on the front ceiling section 83A over the holes in front ceiling section 82A. Fix together with four IP screws.
Finished views
STAGE 84
UPPER DECK CEILING AND HANDRAILS FOR THE STAIRS

We complete the assembly of the upper deck ceiling and fit the mirror and handrails on the stairwell.
1. Take the ceiling section 84A. One at a time, fit one of the three sockets 84B into a recess in part 84A, as shown.

2. After fitting each socket 84B, turn over part 84A and fix the socket in place with a DP screw. Repeat to fit all three sockets in place.

3. As described in the previous stage, fit a lamp 84E into one of the recesses on the ceiling section 84A. Fix in place with two pieces of tape 84G.

4. Fit the second lamp 84E into the recess on the other side of the ceiling section 84A. Fix in place with two pieces of tape 84G.

5. Fit the mirror 84D into the mirror housing 84C. Fix the mirror in place with a CP screw, through the housing and into the screw socket in the back of the mirror.

6. Study the diagram and identify the flange on the mirror housing 84C that fits over the screw socket on the ceiling section 84A. Fix in place with a DP screw.
7 Take the ceiling assembly completed in the previous steps, and fit the tabs in part 84A over the sockets in part 82A. Fix in place with four IP screws. The inset (top) shows the ceiling assembly. Note the position of the mirror and housing, and check that you have fitted it correctly (inset below).

8 Take the upper deck assembly from stage 27, and the handrail 84H. Identify the fixing points and fit the handrail into the stairwell. There are three brackets on the handrail, each with a central peg. Fit the pegs into the holes in the side of the stairwell 79C so that the screw holes in the brackets align with the sockets in the stairwell. Fix each bracket in place with two silver BP screws. The fixing of the lower bracket is easier if it is done from below as shown in the inset (right). Take care not to damage previously fitted parts when turning the model.
Take the second handrail, 84I, and identify the fixing points on the inside of the stairwell. The peg on the top of the handrail fits into the socket on the grab pole 74F, and the bracket on the lower end of the handrail 84I fits against the screw socket in part 74A. When the handrail 84I is in position, fix in place from below with a silver BP screw as shown in the inset (right).

Take the advertising stickers 84F (x3), 82D (x4) and 83E (x3). Identify the fixing points between the lamps on the upper deck ceiling panels 83A, 82A and 84A. One at a time, peel them from the backing. Make sure that any gaps between sections of ceiling are fully closed up before fixing the stickers in place.
Take the advertising stickers 84F (x2), 83E (x2) and 82D (x1) and identify the fixing points on the lower deck ceiling panels 54A and 55A. One at a time, remove the stickers from the backing and fix in place. Take extra care should you decide to temporarily disconnect cables attached to the roof.
STAGE 85
FRAMEWORK FOR THE OUTER WALLS OF THE UPPER DECK

We start work on fitting windows into the framework of the left-hand side of the upper deck.

KEY TO PARTS SUPPLIED

<table>
<thead>
<tr>
<th>Part</th>
<th>Description</th>
<th>Symbol</th>
</tr>
</thead>
<tbody>
<tr>
<td>85A</td>
<td>Left outer wall framework</td>
<td>85A</td>
</tr>
<tr>
<td>85B</td>
<td>Left outer wall framework</td>
<td>85B</td>
</tr>
<tr>
<td>85C</td>
<td>Window bar (x2)</td>
<td>85C</td>
</tr>
<tr>
<td>85D</td>
<td>Window winder (x2)</td>
<td>85D</td>
</tr>
<tr>
<td>85E</td>
<td>Window frame (x2)</td>
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<tr>
<td>85F</td>
<td>Sliding window pane (x2)</td>
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</tr>
<tr>
<td>85G</td>
<td>Window pane (x2)</td>
<td>85G</td>
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<tr>
<td>85H</td>
<td>Window pane</td>
<td>85H</td>
</tr>
<tr>
<td>OP</td>
<td>1.7 x 5mm (x10)</td>
<td>OP</td>
</tr>
<tr>
<td>DP</td>
<td>1.7 x 4mm (x5)</td>
<td>DP</td>
</tr>
<tr>
<td>EM</td>
<td>1.5 x 4mm (x5)</td>
<td>EM</td>
</tr>
<tr>
<td>FM</td>
<td>2.3 x 4mm (x3)</td>
<td>FM</td>
</tr>
</tbody>
</table>
1. Fit window pane 85H into the upper front opening of the outer wall framework 85A. Fix in place with four EM screws.

2. Take the two sliding window panes 85F and cut away the moulding left from manufacture, to leave a smooth edge (left). Repeat to remove the moulding from the two window frames 85E (right).

3. Fit one of the sliding windows 85F into each of the window frames 85E so that ridges on the ends of the sliding windows fit into the recesses in the frame, as indicated by the arrows. Note that the ‘metal’ edge of the window pane should be at the top. The sliding windows 85F will be held in place when the frames 85E are fitted to the outer wall frames.
4 Fit the window frame 85E into the next upper half of the framework 85A, so that the sliding window 85F is held in place. Fix the window frame in place with two DP screws, fitted from the inside of part 85A.

Fit the window pane 85G to the inside of the frame 85A so that it slightly overlaps the sliding window. Fix in place with four OP screws (inset below).

Take care not to get fingerprints or smears on the window panes when you fit them.

5 Take the second window frame 85E with sliding window 85F and fit it to the outside of the framework 85B. Fix in place from the inside with two DP screws.

Fit the next window pane 85G to the inside of the framework 85B and fix in place with four OP screws (inset below).
6 Take the two framework sections 85A and 85B, with the sliding windows in place, and align the screw holes as indicated. Hold the parts firmly together and support them from below while you fix the framework sections together with two FM screws.

7 Fit a window winder 85D to each of the window bars 85C. These are push fit connections.

8 Take the two window bars 85C and fit them across the openings for the second and third left-hand windows on part 78A as shown. The holes at the ends of the bars fit over pegs in part 78A, and the bars should be level. They will be held in place when the outer framework is fitted.

You might find it helpful to temporarily hold the bars in place with a low-tac tape.
The front part of the outer wall on the left-hand side is taking shape and bars, with winders, have been fitted where the sliding windows are going to be positioned. Store the parts carefully, as the joints are not strong at this stage.
STAGE 86
FRAMEWORK AND WINDOWS FOR THE UPPER DECK

We continue fitting windows into the framework of the left-hand side of the upper deck.

KEY TO PARTS SUPPLIED

<table>
<thead>
<tr>
<th>Part</th>
<th>Description</th>
<th>Code</th>
<th>Dimensions</th>
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<tbody>
<tr>
<td>86A</td>
<td>Left outer wall framework</td>
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</tr>
<tr>
<td>86B</td>
<td>Window bar</td>
<td></td>
<td></td>
</tr>
<tr>
<td>86C</td>
<td>Winder handle</td>
<td></td>
<td></td>
</tr>
<tr>
<td>86D</td>
<td>Window frame</td>
<td></td>
<td></td>
</tr>
<tr>
<td>86E</td>
<td>Sliding window pane</td>
<td></td>
<td></td>
</tr>
<tr>
<td>86F</td>
<td>Window pane</td>
<td></td>
<td>1.7 x 5mm (x5)</td>
</tr>
<tr>
<td>86G</td>
<td>Window pane</td>
<td></td>
<td>1.7 x 4mm (x3)</td>
</tr>
<tr>
<td>86H</td>
<td>Window pane</td>
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<td>1.5 x 4mm (x10)</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>FM</td>
<td></td>
<td></td>
<td>2.3 x 4mm (x3)</td>
</tr>
</tbody>
</table>
1 Cut away the mouldings that were used in manufacture from the sliding window 86E and the window frame 86D. Smooth down any rough edges that are left.

2 Fit the sliding window 86E into the frame 86D, so that ridges on the ends of the sliding window fit into the recesses in the frame, as indicated by the arrows. Note that the ‘metal’ edge of the window pane should be at the top. The sliding window 86E will be held in place when the frame 86D is fitted to the outer wall frames.

3 Take the window frame 86D with sliding window 86E and fit it to the outside of the framework 86A. Fix in place from the inside with two DP screws.
4 Fit the window pane 86F to the inside of the framework 86A, beneath the sliding window pane 86E. Fix in place with four OP screws. Fit the curved window pane 86G to the framework 86A and fix in place with four EM screws (inset).

5 Take the framework assembly from the previous stage and align the screw holes on the edge of the framework 86A with those on part 85B. Supporting the framework from behind, fix the sections together with two FM screws.
6 Fit window pane 86H to the inside of the framework part 85B. Fix in place with four EM screws.

7 Fit a winder handle 86C to the window bar 86B. This is a push fit connection.

8 Take the window bar 86B and fit it across the opening for the second window from the back on the lefthand side of the upper deck, on part 78C as shown. The holes at the ends of the bar fit over pegs in part 78C. It will be held in place when the outer framework is fitted.

You might find it helpful to temporarily hold the bar in place with a low-tac tape.
The outer framework for the wall on the left-hand side of the upper deck is complete, with window bars in place on the inner wall of the upper deck. Store the parts carefully until they are needed.
STAGE 87
FRAMEWORK AND WINDOWS FOR THE UPPER DECK

We start to assemble and fit the framework and windows for the righthand side of the upper deck.

KEY TO PARTS

<table>
<thead>
<tr>
<th>Part</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>87A</td>
<td>Right wall framework</td>
<td></td>
</tr>
<tr>
<td>87B</td>
<td>Right wall framework</td>
<td></td>
</tr>
<tr>
<td>87C</td>
<td>Window bar (x2)</td>
<td></td>
</tr>
<tr>
<td>87D</td>
<td>Winder (x2)</td>
<td></td>
</tr>
<tr>
<td>87E</td>
<td>Window frame (x2)</td>
<td></td>
</tr>
<tr>
<td>87F</td>
<td>Sliding window pane (x2)</td>
<td></td>
</tr>
<tr>
<td>87G</td>
<td>Window pane (x2)</td>
<td></td>
</tr>
<tr>
<td>87H</td>
<td>Window pane</td>
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<tr>
<td>OP</td>
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<td>DP</td>
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<tr>
<td>EM</td>
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<td></td>
</tr>
<tr>
<td>FM</td>
<td>2.3 x 4mm (x3)</td>
<td></td>
</tr>
</tbody>
</table>
1 Fit the window pane \textit{87H} to the inside of the right wall framework \textit{87A}. Fix in place with four \textit{EM} screws.

2 Cut away the mouldings that were used in manufacture from the sliding window panes \textit{87F} and the window frames \textit{87E}. Smooth any rough edges.

3 Fit the sliding window pane \textit{87F} into the window frame \textit{87E} so that ridges on the ends of part \textit{87F} fit into the grooves in the frame \textit{87E}.

4 Fit the window frame \textit{87E} (with sliding window pane \textit{87F}) on to the outside of the right wall framework \textit{87A}. Fix in place from the inside of the framework with two \textit{DP} screws.

5 Fit the window pane \textit{87G} into the inside of the right wall framework \textit{87A}. Fix it in place with four \textit{OP} screws, which are fixed through into frame \textit{87E}.

6 Fit the second sliding window pane \textit{87F} into the second window frame \textit{87E} so that the ridges on the window fit into the grooves in the frame.

- **Try to avoid getting marks on the windows when you fit them.**
11 Fit the window bars 87C across the second and third window openings in the right side wall 79A. These are push-fit connections.
Here we continue to assemble and fit the framework and windows for the right-hand side of the upper deck.
1 Cut away the mouldings that were used in manufacture from the sliding window panes 88E and the window frame 88E and smooth any rough edges.

2 Fit the ridges on the ends of the sliding window pane 88E into the grooves on window frames 88D. The 'metal' edge of part 88E should be at the top.

3 Take the assembly 87A/87B from the previous stage and fit the window frame 88D (with sliding window pane 88E) into the right wall framework 87B. Fix in place with two DP screws.

4 Fit the window pane 88F into the inside of the right wall framework 87B so that it slightly overlaps the sliding window 88E. Fix it in place with four OP screws, which are fixed through into frame 88D.
5 Fit window pane 88H into the right wall framework 88A. Fix in place with four EM screws.

6 Fit window pane 88G into the inside of the right wall framework 88A. Fix in place with four EM screws.

7 Check the fit of the wall framework 88A against part 87B. Keeping the parts supported, fix together with two FM screws.

8 Fit the window winder 88C into the socket in the window bar 88B. This is a push-fit connection.

9 Fit the window bar 88B across the fourth window opening in the right side wall 79C. Hold in place with a little low-tac tape if necessary.
STAGE 89
WORK ON THE LOWER DECK AND UPPER DECK

We fix the ceiling to the lower deck, and fit the framework around the walls of the upper deck. We also fit the LED lights on the upper deck.

KEY TO PARTS SUPPLIED

89A  Upper deck ceiling frame
     (store for use in a future stage)
89B  N cable extender
89C  Tape

LP  1.7 x 2.5 x 5mm (x2)
JP  2.3 x 4mm (x34)
GM  2.3 x 5mm (x14)

Before starting to fix the LEDs on the cable 72A in place (see step 15), position the cable around the ceiling and make sure that the lengths of the green sections match the distances between the relevant light sockets.
1 Take the lower deck ceiling assembly from stage 56 and check that the bell pull cord 55G is securely tied to the clip 55F.

2 Fit the upright pole 59B on the rear platform if you have not already done so. Fit the ceiling assembly 55A and 54A to the top of the lower deck. As you position it, use tweezers to fit the upright poles into the ceiling sockets 55B. Fit pole 59B in socket in ceiling panel 54A (red arrows). Screw holes along the edge of the ceiling should align with holes in the side panels (blue arrows).
3 Ensure that the poles 55E are fitted into the sockets 55B before fixing the ceiling in place.

4 With the ceiling and poles in position, fix the ceiling panels 55A and 54A to the left side walls 48A and 49A using six JP screws.

5 Use an LP screw to hold the top of the platform pole 59B in place in the socket in the ceiling panel 54A.

6 At the side of the top step, fix part 57D of the staircase structure to the rear roof section 54A using two JP screws.
7 Check the alignment of the screw holes along the right-hand edge of the ceiling panels 54A and 55A. Fix the right side walls 48B and 49C in place with six JP screws. At the battery box, connect the N cable extender 89B to the N cable 56C (inset above).

8 Take the left wall framework from stage 86 and the upper deck assembly from stage 79. Fix the framework 85A, 85B and 86A in place on the left inner wall of the upper deck 78A and 78C. You will need to slightly raise and support the deck in order to do this.

9 Fix the struts of the left wall framework 85A and 85B to the left side walls 78A and 78C with four JP screws.
10 Fix the lower edge of parts 85A and 85B to the upper deck floor framework 70A and 73A with four GM screws.

11 Towards the rear of the upper deck, fix the left framework 86A to the floor frame 70A with two GM screws. Fix the left wall framework 85B and 86A to the left side wall 78C with four JP screws (inset below).

12 Turn the upper deck around so that you can fit the right wall framework 87A, 87B and 88A to the right inner walls 79A and 79C.
13 Fix the right wall framework 87B and 88A to the right side inner walls 79A and 79C with five JP screws. Fix the lower edge of the right wall framework 87B and 88A to the upper deck frame 70A with three GM screws (below).

14 Fix the lower edge of the right wall framework 87A to the upper deck floor frame 73A with three GM screws. Fix the right wall framework 87A to the inner wall of the upper deck 79A with three JP screws (below).

15 Take the upper deck ceiling from stage 84. Working from the back right-hand corner (part 84A), fit the first two LEDs on cable 72A into the sockets in the ceiling 84E and 82C. Support the ceiling as you push them into place.

16 Carefully bend the wires that attach the LEDs to the cable (as indicated by the red arrow in step 15), so that the cable 72A lies flat along the channel in the ceiling panels 80A and 82A.
17. Continue working along the right-hand side of the ceiling, fitting LEDs on cable 72A into socket 82C in ceiling panel 82A and sockets 83D (x2) in ceiling panel 83A.

18. Carefully bend the wires that attach the LEDs to the cable 72A, as indicated by the red arrows in the previous step, so that the cable sits in the channel. Hold the red/black section of cable in place at the front of the ceiling with a piece of tape, 89C.

19. Work back down the left-hand side of the ceiling panels 83A and 82A, fitting the LEDs on cable 72A into sockets 82C and 83D (x2).

20. Bend the LED wires so that the cable sits in the channel in parts 83A and 82A.

21. Working to the rear of the left-hand side of the ceiling, fit the last two LEDs on cable 72A into the sockets 82C and 84E in ceiling panels 82A and 84A.

22. Bend the LED wires so that the cable sits in the channel in parts 82A and 84A.
**Finished views**

In steps 1–7, the ceiling was attached to the lower deck.

In steps 8–14, the outer framework was fitted to the upper deck.

Finally, the N cable and LEDs have been fitted around the ceiling of the upper deck.
STAGE 90
FITTING THE CEILING FRAME TO THE UPPER DECK

The ceiling framework is assembled and fitted to the outside of the upper deck ceiling. We also position the upper deck on the lower deck so that wiring can be connected.

1. Take the two sections of upper deck ceiling frame 90A and 89A (supplied with the previous stage). Check how they fit together, with the screw holes on the tabs on part 89A aligned with the screw holes in part 90A. Fix together with six FM screws.
2 Fit the ceiling frame from step one over the ceiling frame and wiring assembled in the previous stage. Ensure that the wiring runs through channels and recesses, to avoid any damage. To avoid damaging the mirror (circled), temporarily remove it for this step or make sure the ceiling is fully supported from below. Fix the ceiling frame in place with JP screws as follows:

At the rear of the ceiling, four JP screws go through the screwholes in frame 90A into screw sockets in part 84A, with two JP screws through 90A into 82A (inset, top).
In the middle, four JP screws go through part 89A into part 82A.
At the rear of the ceiling, four JP screws go through ceiling frame 89A into ceiling panel 83A (inset right).

NOTE: When fixing the screws in place, make sure the frame is held firmly against the ceiling and take care not to over-tighten.

3 Place the lower deck assembly on your work surface so that you can see the batteries and circuit board. Arrange all the wires neatly as shown. Disconnect cable F (80J) from extender cable F (80K).
4 Take the front frame **80F**. Fit the LEDs on the end of cable **80J** into the recesses on either side of the blind window. Note how the longer of the two wires runs over the top of the opening (see also inset, right). Fix the LEDs in place with two pieces of tape **90B**.

5 Stand the lower deck and chassis assembly on a stable work surface. Take the upper deck assembly and lower it on to the lower deck assembly so that it rests in place. At this stage, the upper deck is not fixed to the lower deck. It simply rests in place, held there by its weight. (It will be fixed firmly at a later stage.) Until it is fixed, handle the model very carefully and keep it upright.

6 Position the front frame **80F** on the front of the bus as shown. Tuck the cable **80J** behind the destination blind (see diagram in step 7) and feed it through beneath the frame **87A**. Fix in the frame **80F** place with two **JP** screws which fit into part **74G** and two **FM** screws which fit into parts **85A** and **87A**.
7 Continue to feed the cable F (80J) through the gap between the frame 87A and the inner wall of the bus, and then behind the frame 87B, down the right-hand side of the model.

8 Towards the rear of the model, fit cable F (80J) behind the joint between frames 87B and 88A, then allow it to drop down towards the circuit board. Plug cable 80J into extender cable F (80K) as shown.

9 Check that all the connections of cable F (80J), including the extender cable (80K), are secure, and the end of the cable (71E) is connected to the socket marked F on the circuit board 57E (circled in light blue). Identify the cables L, M, H and J1 (circled in blue), which we now need to plug into the circuit board 57E.
Plug cable L (71D, black/white) into the socket marked L on the circuit board (top left). Plug cable M (71C, red/green) into the socket marked M on the circuit board (below left). Plug cable H (71A, red/black) into the socket marked H on the circuit board (top right). Plug cable J1 (71B, yellow/green) into the socket on the end of cable J-J1 (55H, yellow green), below right.

Finished views