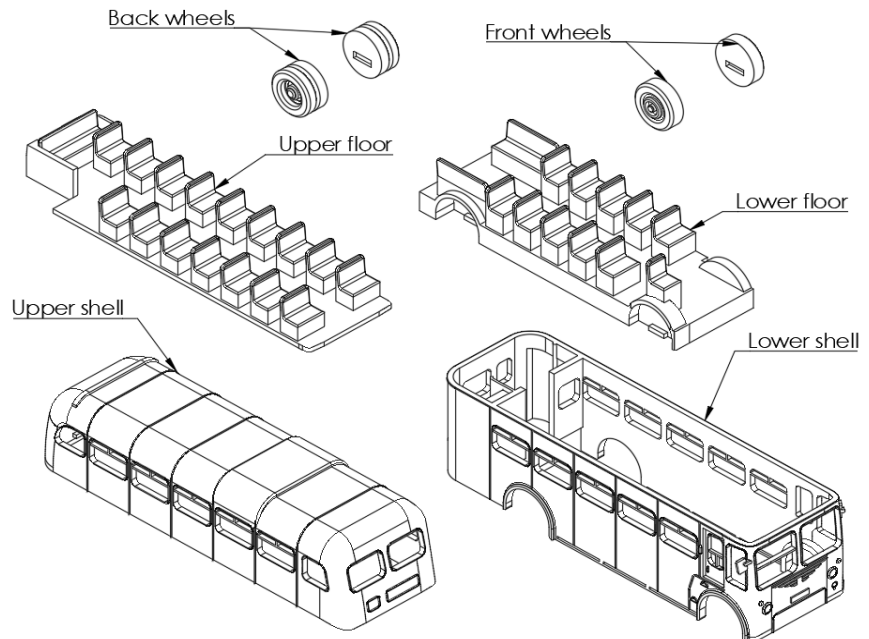


# Bradford Trolleybus

(Rear Entrance)

## Kit contents

- Upper shell
- Lower shell
- Upper floor
- Lower floor
- Back wheel (x2)
- Front wheel (x2)



## General Notes

Keep the parts of the model out of direct sunlight while unpainted. The resin used for

the shells in particular is susceptible to UV degradation and will become brittle. The other parts are made from a plastic called PLA. It is less susceptible to UV degradation (although is still affected), however it can start deforming at temperatures of 50°C and above.

Cyanoacrylate superglue is the best type of glue to use on all parts.

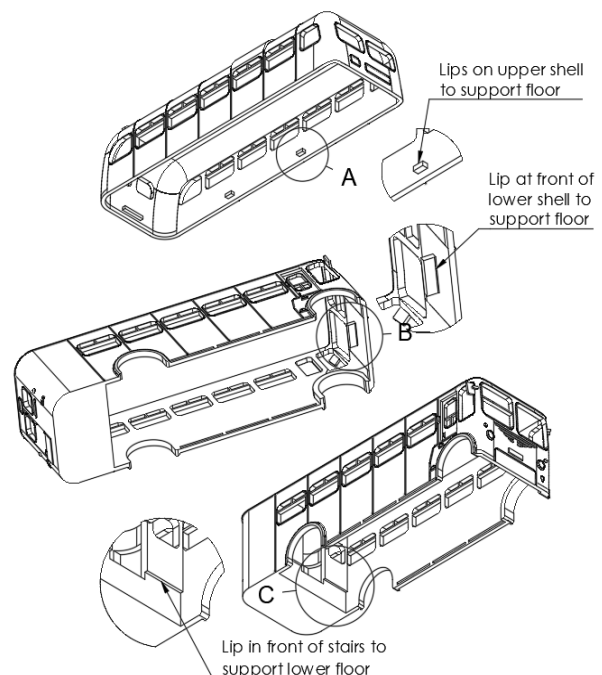
## Instructions

### 1. Neaten shells if required

The production process for the shell can leave a number of small lumps or spots on the model. While we do our best to neaten the model before packaging, some may be missed. As such the model may need some gentle sanding with fine sand paper or a fine file to remove the lumps. A craft knife can also be used to trim parts. Be mindful of any delicate details.

### 2. Dry run fitting items together

We recommend doing a test run of fitting parts together so you get a feel for it before paint is applied to the model.





The upper floor should slide into the upper shell. The inside of the upper shell has lips on the sides, front and back, that the upper floor will sit up against to stop it moving too far in the shell. The lower floor should slide into the lower shell from below. There is a lip at the front of the lower shell and just in front of the stairs that will prevent the floor moving too far.

The wheels have a slot on the back of them to help align them in the wheel arches on the lower floor. The slot is slightly off-centred vertically. The larger gap should be towards the top of the wheel arch, so that the gap between the wheel arch and wheel is the same all around. If it's the wrong way round, there will be a large gap at the top. The wheels will probably be loose at this point.

The upper shell should rest on top of the lower shell. The large window should be the back of the upper shell, above the stairs. The upper floor will be supported by the top of the stairs.

### **3. Adjust window bar placement (optional)**

The placement of the window bars on the trolleybuses seemed to vary considerably. We have chosen to include all of them on the model, so you may remove some for the particular numbered trolleybus you wish to replicate.

A small pair of cutters or even scissors should be sufficient for this. Sand down any rough edges as needed.

### **4. Decorate**

Once you are happy with the fit of the parts you can take the trolleybus apart and decorate it as you wish.

The model can be painted with standard modelling acrylics. We recommend spraying the model parts with a primer before painting.

If you wish to add glazing to the trolleybus, this should be done at this point as well (after painting).

### **5. Reassemble and glue**

Once you are happy the model can be reassembled following the same instructions as in step 2. To keep the parts in place, use a cyanoacrylate superglue. A small spot of glue in the slot of the wheels will be sufficient for them, and glue on the lips should be sufficient for the floors. Note that the glue can set very quickly on the resin shell.

### **Suggestion for livery colours:**

The follow describes the colours for the Bradford Corporation livery. It works for both the early and late versions of our trolleybus. A set of coloured drawings are also included.

The livery largely consisted of bands of a medium blue and a cream. There were two cream bands, one which covered from just above the front windscreen to just below the side windows on the lower deck. Just before the tall windows on the sides at the front of the trolleybus, this cream band dropped down slightly so the band would reach just below the front windscreen.

The second cream band reaches from just above the upper deck side windows, to just below them. Note that the band should not run round to the back of the trolleybus, instead the top of the band should curve down to meet the bottom of the band just after the last upper deck window. The curve should follow the curve of the window. The roof colour also drops down a little on the two



front corners of the trolleybus, so that it eats into the cream band, and enough so it is level with the bottom of the curve of the top corner windows.

The trim above the wheel arches should be painted black.

On the offside of the trolleybus, there is a grey panel below the driver's door. This is a similar colour to the centre parts of the wheels.

The rest of the trolleybus should be painted a medium blue.

Thin black bands should be added between the blue and the top and bottom of the lower cream band, following the cream band as it drops down near the front side windows. Another thin black band should be added at the bottom of the top cream band.

There are few areas that can be highlighted in a shiny silver:

- the trim around the front windscreen,
- any of the side window bars on the upper and lower decks, including in the driver's door,
- the light surrounds on the front of the trolleybus,
- the horizontal strips just below the front windscreen.

