

**N-Train**  
Bob Davies  
Good things come in small packages

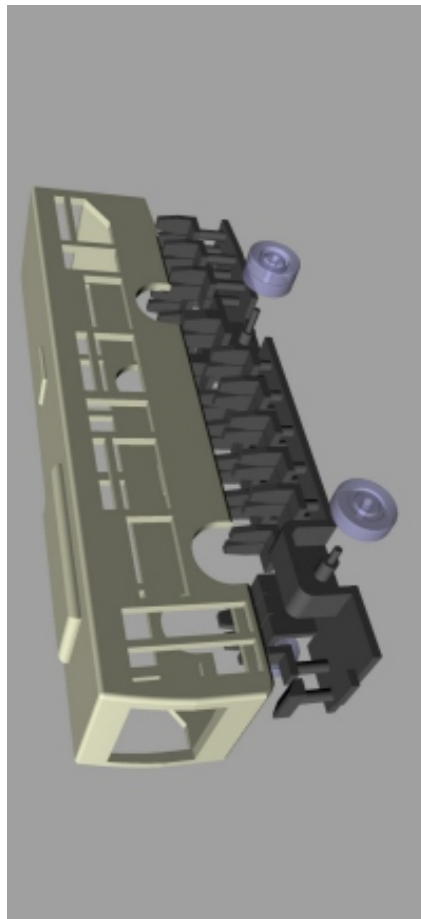
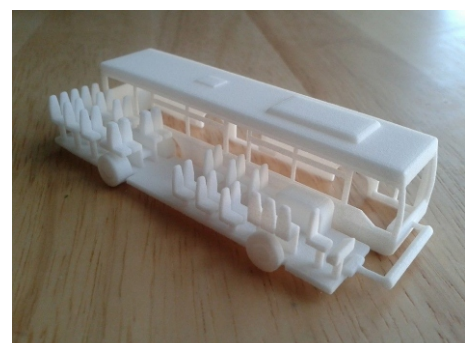
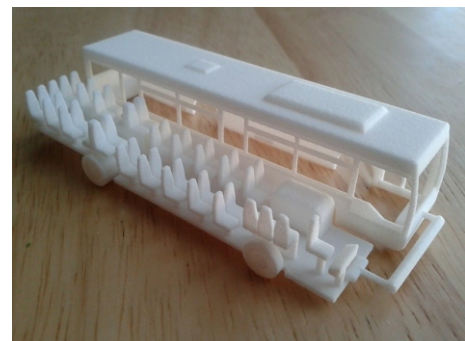
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### Modern Single Decker Buses

Requires painting and assembly.  
Cab glazing requires use of clear tape and Glue n Glaze or similar.



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### Modern Single Decker Buses

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## Wheels

The wheels are 3D printed in Frosted Ultra Detail, which is a UV cured acrylic polymer.

During printing, products are supported by a waxy material that is dissolved after printing is complete.

Wax is mostly removed with ultrasonic bathes. But the model remains waxy when shipped.

This wax must be removed before painting. The residual wax makes the plastic translucent.

Start with a first bath in warm water, brushing softly with a toothbrush.

Then alternate chemical liquids or sprays and warm bathes. Let the model dry between each cleaning cycle.

Chemical liquids successfully tested:  
medical isopropanol (IPA)  
stove cleaning spray  
stain remover for clothing  
acetone free nail polish remove

I use mostly isopropanol and stove cleaning spray.

Household detergents have mostly small effect on wax, but soap helps to rinse the model properly.

After a chemical cleaning always rinse with water. Then use a low pressure compressed air source to blow out any blocked holes.

Once cleaned, the print loses its translucent aspect and becomes white. Some dried out wax remains as powder. The powder can be swept away with a soft brush and a needle. Compressed air can help also.

Rinsing in water is always the last step before painting.

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## Main Body

This is made of 3D printed nylon. This is produced from a white powder, which is fused by a laser. The process leaves a finish which can be likened to an extra strong mint.

My lorry kit has been polished to smooth out a lot of this roughness and minimise the preparation.

However, there may be some residual powder left in tight internal corners. Use a light brushing with a toothbrush to remove. Follow this with bath in warm water, brushing softly with a toothbrush.

Allow the parts to thoroughly dry, before painting.

## Painting

Following thorough cleaning, you should apply a coat of primer. For the main body components, I suggest the use of Simonize body putty spray. This will help to fill any indentations.

You are then able to paint the model to suit your own required livery.

## Assembly

After painting, you will need to add glazing. Follow the instruction in the next panel.

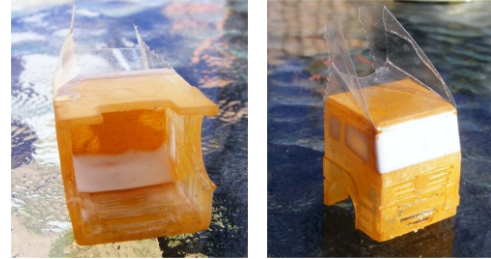
The wheels can be pushed onto the axles with a small amount of superglue to hold in place.

The body can then be clipped onto the floor. Again, use a dab of superglue to hold in place.

## Glazing (Instructions from our lorry kit)

Following painting, and allowing time for the paint to dry thoroughly, wrap clear tape around the exterior of the window openings.

Fill the window cavity with Micro Krystal Klear, or Glue n Glaze. Use a cocktail stick to pop any air bubbles.



Leave overnight, to allow the glue to set. It will change from milky white to clear when ready.

Remove the clear tape carefully.

You now have a glazed cab.



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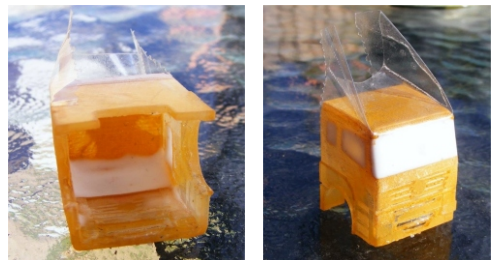
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