

# Instructions

## London Transport Works Shunter L11

To build this kit you will need a sharp craft knife or scalpel, a steel rule and cutting mat. You will also need a suitable impact adhesive and felt tip pens or paint to colour in the exposed edges of the card once it is cut. This is a very simple starter model in the Street Level range, and as with our larger kits, it can be simply detailed and glazed, and even made into an operating model. *Details of how to do this are given below.*

1. Cut out the main body and roof. Score along the bottom tabs, and the join between body and roof. Make a mark through the card on the waist line at both ends of the car body. Turn the piece over and score between the marks on the back of the card, this will allow you to bend the body to follow the contours of the cab end. I find it useful at this point to also score a series of lines about 1mm apart inside the roof. This will allow you to keep a much more even curve to the roof of the vehicle. Now is also the time to cut out the windows if you want to, otherwise leave the printed ones in place.

2. Cut out the driving ends, and score the tabs on the back. Scoring on the back allows you to have a smoother curve where the sides and ends meet. Note: the tabs are lettered to ensure that the correct end goes in the right place, as this loco was not identical at both ends as we shall come to see as the kit progresses!

3. Starting from the centre of the roof working outwards, use your thumbs to create the curve to match the contour of the cab end. Use the cab end as a guide. The clerestory can be cut out, and glue into position on top of the roof. I find it best to use some strips of scrap card or thin balsa wood to give a little more depth to the clerestory, and bring it in line with the driving ends.

4. Once the body is complete you can turn your attention towards the underframe and bogies. The car floor and solebars are printed as one piece. Cut this out, and use a pin to prick through the corners of the dotted rectangles printed on the floor. Now score and fold the solebars down. Glue the tabs inside, and set this aside to dry.

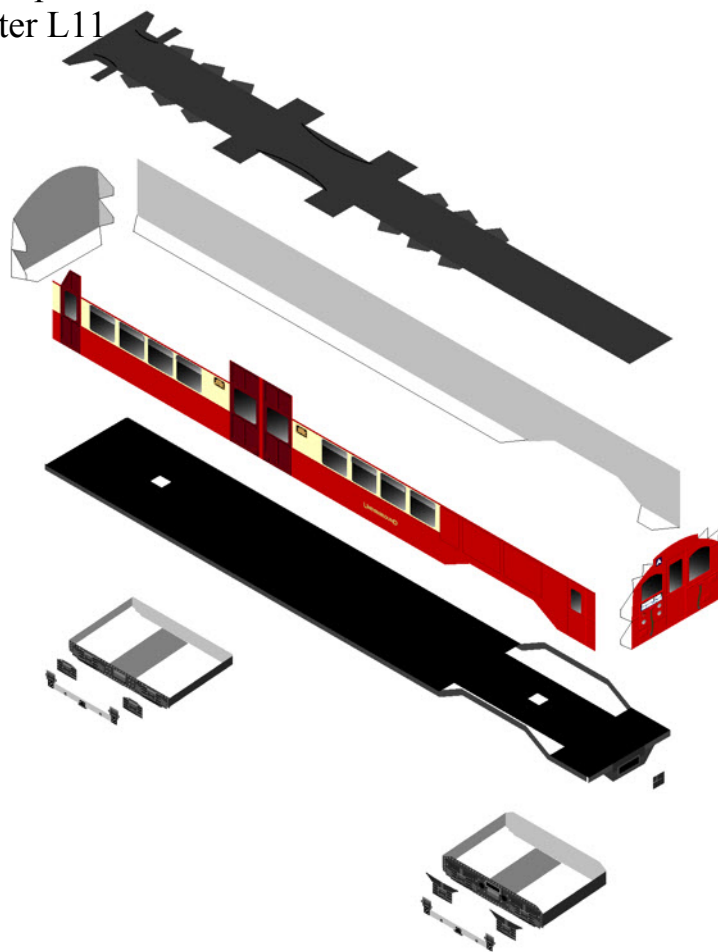
*If you want to produce a working model, I would recommend using the floor and solebars as templates for a plasticard frame into which you can easily fix rolling bogies. Suitable motor bogies are available from tenshodo, and rtr tube stock trailing bogies are available from Metromodels. The card bogie side frames and details can be laminated onto medium thickness card/plasticard and used with these products. The printed headstocks can be glued on to each end of the plasticard floor, and you can move on to instruction no.7.*

5. We have recently re-designed the bogies for these kits to make them easier to build. Cut out the sections with wheels printed on. Score along the dotted lines, and fold them to shape. Glue the tabs inside the ends to make them solid. The bogie sides can be cut out next. These can either be glued straight on to the bogie, or mounted on an extra layer of card to give more relief. Follow the same method for the springs and axleboxes /shoebeams.

*These parts can also be used in conjunction with motor bogies such as Tenshodo, and the trailing bogies produced by Metromodels if you want to produce a running model.*

6. Once the bogies are solid, you can glue them underneath the car floor using the pin pricks under the floor as a guide

7. Finally, cut out the couplers, these can be folded to shape and glued onto the headstocks over the blank space. Notice again that there are letters identifying which coupler goes where. L11 had a tube height Ward coupler on the lower headstock at the 'A' end, and dual height Ward and Wedgelock couplers at the 'D' End. Once the chassis is solid, glue the two halves together ensuring that the 'A' end tab on the body matches the 'A' end tab on the floor



*If you have enjoyed building this kit, and would like more information about other kits in our ever growing range, please contact us.*

*For a full list, please enclose a SAE,*

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