

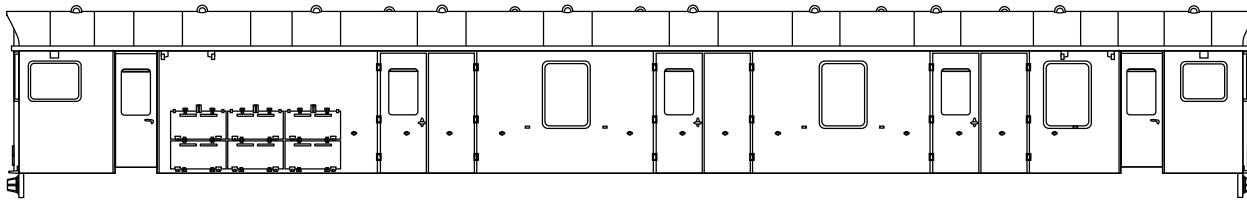
## CLASS 415 & 416 BR EPB - MBSO

Here follows instructions on how to assemble a MBSO carriage bodysell using existing Replica Railways parts and accessories. NB: Having never actually measured the MBSO unit, we must make you aware that producing a 100% accurate model is NOT possible. However, in our extensive research with our EMU and DMU projects, what is clear is that the BR designed units of this era were conceived and assembled in a modular format, i.e. bodysell 'sections' were built to standard measurements. Therefore, this guide and our 'BR' parts will enable you to produce a bodysell that would be a reasonably accurate representative of a MBSO vehicle.

### Before you start:

The key tools you will need to complete this project are a craft knife, files and a razor saw. Excess material can be removed from the mouldings by using a craft knife or file or high grade (1500) 'wet and dry' glass-paper. Use plastic cement or epoxy resin to bond all parts. Model filler is also recommended as, no matter how good you are with a razor saw, you will need to smooth out your join lines..!

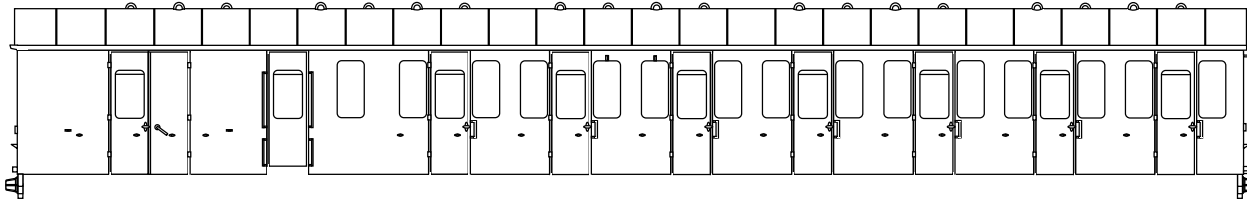
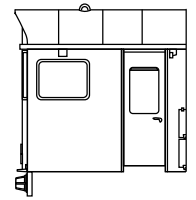
## PARTS REQUIRED



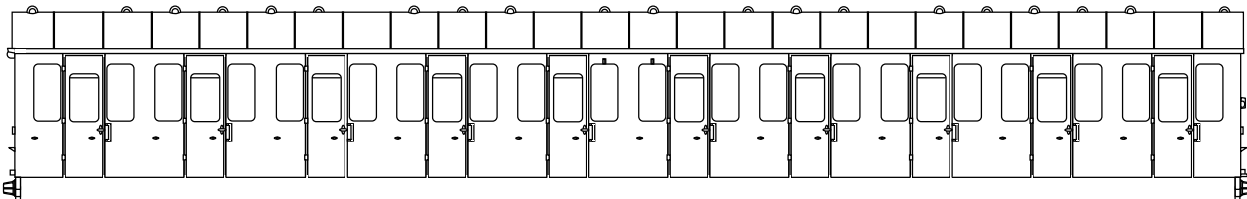
RS4195  
CLASS 419 (MLV)  
BODYSHELL

**OR**

RS4194A  
CLASS 419 (MLV)  
'LONG' CAB



RS125  
SUBURBAN 'BS'  
BODYSHELL



RS205  
SUBURBAN 'C'  
BODYSHELL

### ADDITIONAL REPLICA RAILWAYS SPARES AND ACCESSORIES CURRENTLY AVAILABLE TO COMPLETE YOUR VEHICLE

- RS003C – Open Second Interior
- RA36 – Suburban Glazing
- RA37 – Buffers
- RA109 – Bump Stop
- RA103 – Cab Glazing
- RS005 – 63' 5" Chassis
- RS4191 – MLV Cab Interior
- RA111 – Drivers Door Handrails
- RA112 – Periscope Aperture

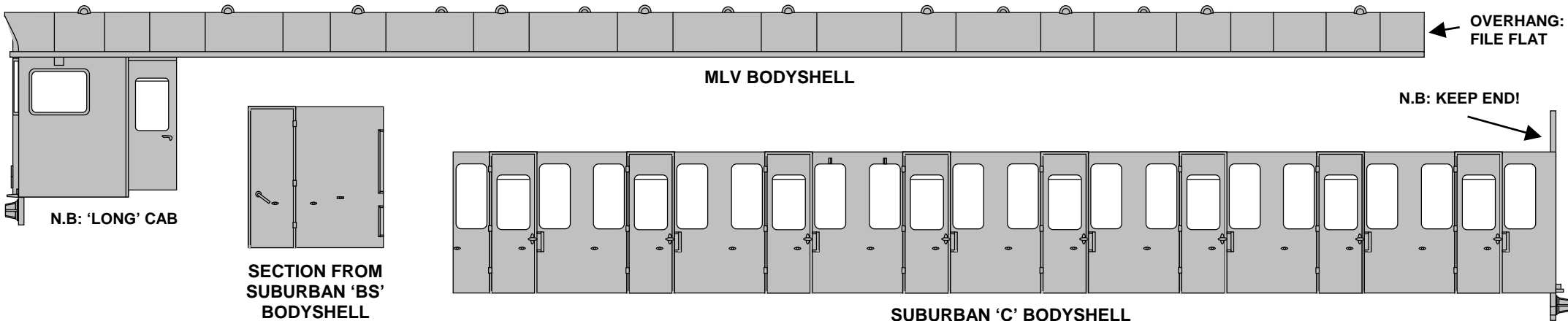
### CAUTION

CARE MUST BE TAKEN WHEN USING MODELLING TOOLS AND CRAFT KNIVES AS THESE CAN CAUSE PERSONAL INJURY.  
TAKE CARE HANDLING PLASTIC PARTS THAT HAVE BEEN DETACHED FROM THE SPRUES AS THESE HAVE SHARP POINTS OR ROUGH EDGES.  
STUDY AND ADHERE TO ADHESIVE MANUFACTURER(S) GUIDELINES AND SAFETY INFORMATION WHEN USING YOUR CHOICE OF ADHESIVE(S) IN THIS PROCESS.

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Below is a 1:1 representation of the sections you will need to 'prepare' before assembly. 1) Remove the sides and end of the MLV bodyshell: keep the gutter and the 'long' cab. 2) Remove the roof and end of the Suburban 'C' bodyshell: retain eight compartments and one end. 3) Cut out section from both sides of the Suburban 'BS' bodyshell – see note below. To assemble: apply adhesive to the underside of the MLV gutter and between sections – glue the MLV & 'C' bodyshell first. Once sections are glued together, we recommend that you add strengthening strips of plastic-card (or similar) at joins: avoid placing near windows. Use filler where needed and decorate!



**ALSO REMOVE GRAB HANDLES**

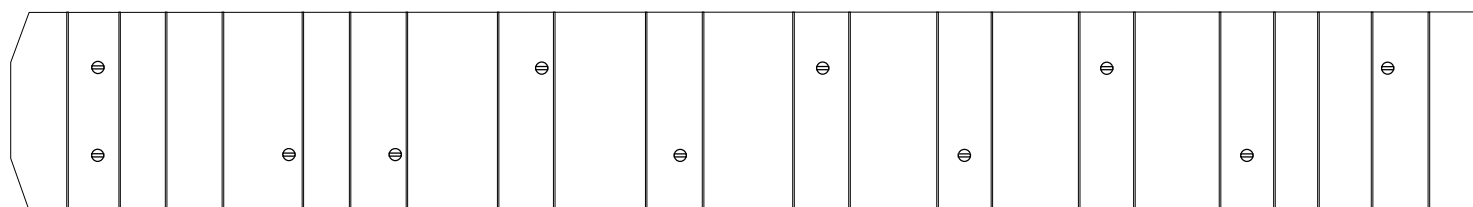
**DRIVER-SIDE GUARD'S DOOR**

You will need to file the space for the window in the guard's door on the driver's side only. Use the 'opposite' side section of the 'BS' bodyshell for a size reference for your window.

When preparing the sections for assembly leave these guard sections until last. You can then file them to fit the space left between the MLV cab door and edge of the window of the first compartment of the 'C' bodyshell. Care and patience is essential here for a snug fit!

**OR**

If you have purchased the MLV 'long' cab – file sides and roof to the door line and cut or file down suburban bodyshell and roof to accommodate the cab length. For the driver-side guard's door, see instructions left.



**VENT POSITIONS**

If you wish, you can 're-site' the air vents on the roof of your vehicle. The diagram on the left shows the positioning of the vents of the MBSO – shown on MLV roof. The panel lines of the MLV will NOT be accurate for the MBSO.

N.B: Class 416 (2EPB) MBSOs should also feature electrical conduit on the roof – not shown, seek alternative reference.

Hopefully you should now have finished up with a bodyshell looking not too dissimilar from the image shown right. The opposite side of the vehicle should essentially be a mirrored image...

Please telephone us if you have any questions or if you need further guidance.

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