



# Class 117 Diesel Multiple Unit Owner's Information

## Welcome

Many thanks for purchasing one of our **Bachmann Branchline** Class 117 Diesel Multiple Units. A lot of care was taken producing your model and we hope you enjoy it for many years to come.

**Please note:** This model has been designed to run on curves of **no less than 2nd Radius (438mm)**. We recommend that you don't use anything smaller as this may result in the model derailing.

## 1. Accessories

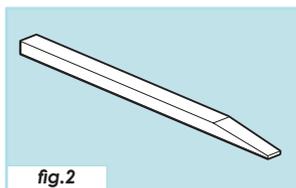
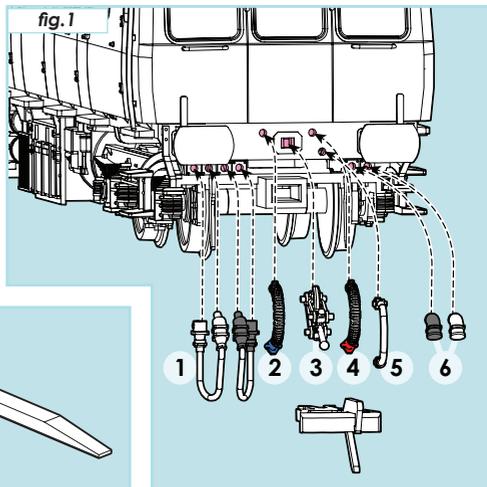
Although our models are highly detailed and ready to run straight from the box we also supply optional accessories to be fitted by the owner if they wish.

**Please note:** PVA based adhesive should be used for the fitting of accessories.

- 1 Multiple Working Pipes\*
- 2 Vacuum Reservoir Pipe\* (Blue)
- 3 Screwlink Coupling\*
- 4 Vacuum Control Pipe\* (Red)
- 5 Air Pipe\* (White)
- 6 Multiple Working Sockets
- 7 Coupling Tool (Fig.2)

\* Please remove the standard coupling before fitting these parts as it may cause the model to derail.

**Please note:** The same accessories are provided for both ends of each car and should be fitted in the same configuration if required.

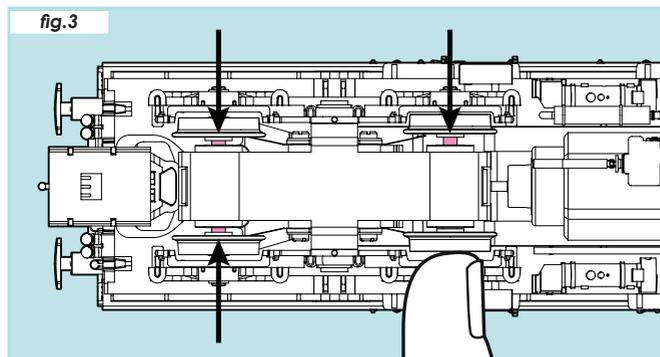


## 2. Running-in

It is necessary that this DMU is 'run-in' to allow the mechanism and gears to settle. This requires the model to be run without a load (wagons, coaches, etc.) for 30 minutes in each direction at half speed.

## 3. Lubrication

All Bachmann Branchline Multiple Units are supplied ready lubricated and can be used straight from the box. Over time your Multiple Unit will require some additional lubrication, when will depend on the frequency of use and storage, so please inspect your model on a regular basis.



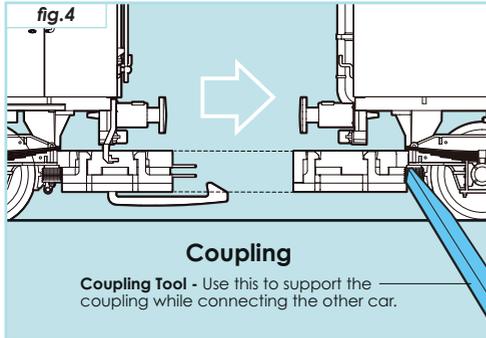
If the driving wheel axles appear dry and no lubricant is visible (shown pink in **fig.3**), it would be advisable to lubricate your model.

**Please note:** A plastic compatible lubricant is required.

Suitable products from both the Bachmann Trains & Woodland Scenics ranges are available from your local Bachmann retailer.

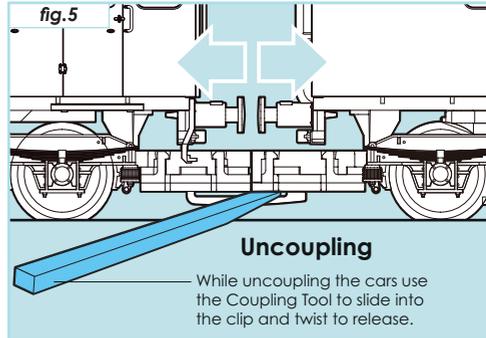
## 4. Coupling & Uncoupling

The Class 117 multiple units couple together with an electrical coupling, this allows for full DCC control of all cars without the need for multiple decoders. A coupling tool is supplied in the accessories to help with coupling and uncoupling your model.



### Coupling

**Coupling Tool** - Use this to support the coupling while connecting the other car.



### Uncoupling

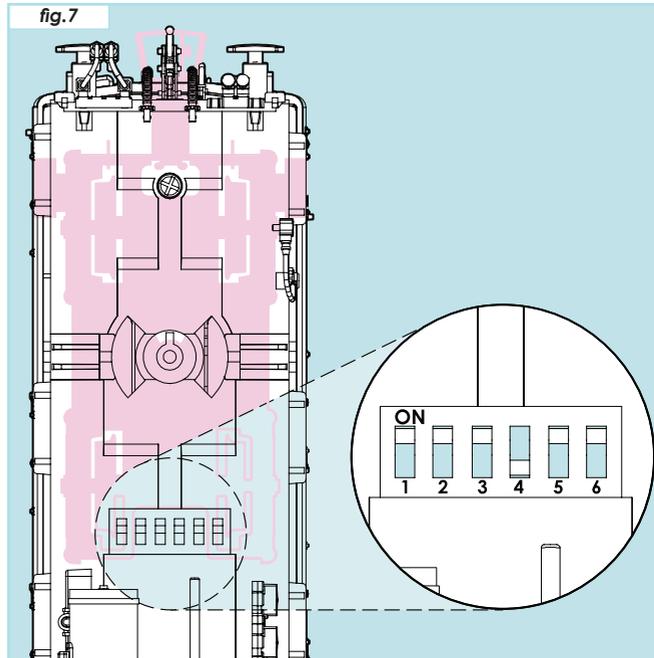
While uncoupling the cars use the Coupling Tool to slide into the clip and twist to release.

## 5. Lighting Feature Switches

Located on the underside of your Class 117 DMBS (End car with Guard's comp.) are a series of switches labelled 1-6. These are positioned just behind the leading bogie. (fig.7)

These switches allow extra control over your lighting features when operated on a DC controlled layout or track, please see details below.

**Please note:** You will need to rotate the leading bogie to access all of the switches.



### Switches

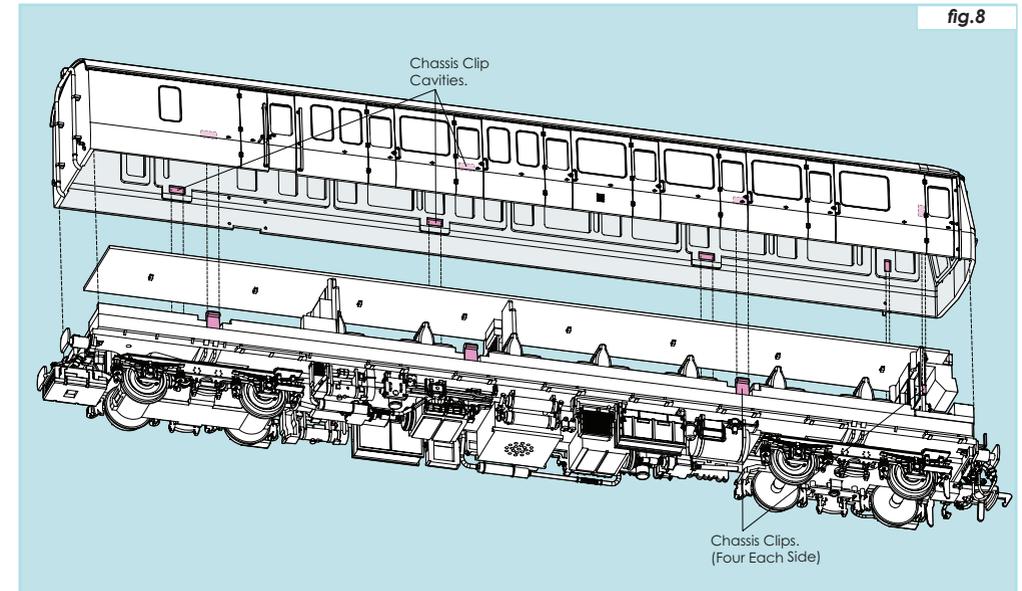
1.	DMS	Directional/Headcode Lights	On/Off
2.	DMBS	Directional/Headcode Lights	On/Off
3.	All Cars	Interior Lights	On/Off
4.	All Cars	Cab Lights	On/Off
5.	DMS	Destination Blind Lights	On/Off
6.	DMBS	Destination Blind Lights	On/Off

## 6. DCC Decoder & Sound Decoder Fitting

Digital Command Control (DCC) allows for greater functionality and control over the models on your layout: such as the simultaneous control of speed & direction of multiple Locomotives and enables the use of DCC controlled track, points and other DCC Decoder fitted accessories. DCC also allows the addition of DCC Sound which brings a whole new level of realism to your model railway.

This Class 117 model comes with two speakers already fitted, all that's required to bring sound to your model is a Plux22 DCC Sound Decoder pre-programmed with the sound file of your choice.

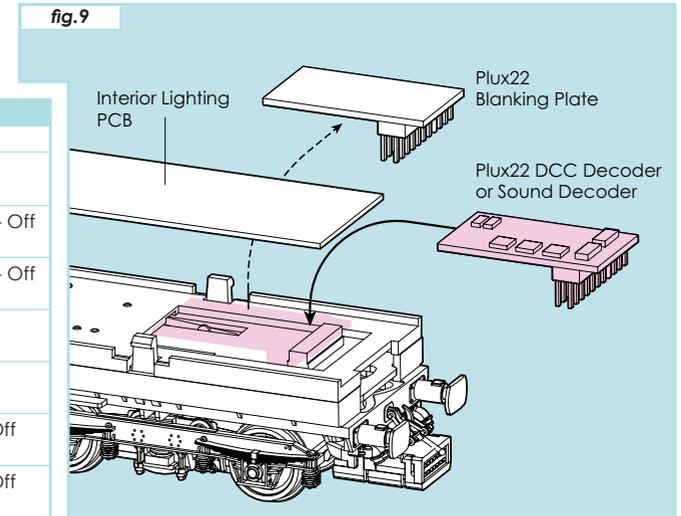
1. To fit a Plux22 DCC Decoder to your model firstly remove the body of your DMBS, this is held together by Four Chassis Clips on either side. Gently ease the sides of the body out and use plasticard, or similar, to prevent the clips from re-securing (fig.8).



2. Remove the Plux22 Blanking Plate and push fit your Plux22 DCC Decoder (fig.9)

### Decoder Auxiliary Functions

Aux / F	Function
<b>Func. 0</b>	Directional / Headcode On / Off
<b>Aux. 1</b>	Directional / Headcode - Off DMS (F0 On)
<b>Aux. 2</b>	Directional / Headcode - Off DMBS (F0 On)
<b>Aux. 3</b>	Interior Lights On / Off
<b>Aux. 4</b>	Cab Lights On / Off
<b>Aux. 5</b>	Destination Blind Light - Off DMS
<b>Aux. 6</b>	Destination Blind Light - Off DMBS



## 7. Spare Parts

Selected spare parts are available from the Bachmann Europe Service Department. For further information and enquiries please contact the Service Department directly by email on [service@bachmann-europe.co.uk](mailto:service@bachmann-europe.co.uk) or by phone **01455 245575**.

## 8. Warranty

This product has a Warranty for 12 months from the date of purchase against faulty materials or workmanship subject to the following conditions. During this period such defects that occur will be repaired or defective parts replaced free of charge.

1. This Warranty applies only if the item was purchased from an authorised retailer of Bachmann Europe PLC ('Bachmann') within the United Kingdom, European Union & European Economic Area. This Warranty does not confer any rights other than those expressly set out above and does not cover any claims for consequential loss or damage. The Warranty is offered as an additional benefit and does not affect your statutory rights as a consumer.
2. For claims under this Warranty, in the first instance the product must be returned to the retailer with evidence of the purchase date in the form of retailer receipt/invoice accompanied by a letter or Service Request form setting out the date and place of purchase, giving a brief explanation of the problem that has led to the claim. It is essential that the claim reach the retailer on or before the last day of this Warranty period. Late claims will not be considered.
3. This Warranty is only available to the original retail purchaser of this product and is non-transferable.
4. The Warranty does not extend to cover damage resulting from misuse or careless handling, accidental damage, wear and tear, or use on a voltage supply other than that stamped on the product.
5. The Warranty may be considered void if repairs have been attempted other than by Bachmann staff.
6. The Warranty is on the original product in its entirety and does not extend to individual components removed from the product. In respect of train sets the warranty applies to motorized units and controllers only.
7. If Bachmann chooses to replace a product it will be with the nearest appropriate model of its choice.
8. Bachmann reserves the right to decline service to any model that has been fitted with a decoder after manufacture.
9. Bachmann will not be held responsible for damage to or loss of an after market decoder fitted to a model submitted for service under the Warranty.
10. The fitting of a Bachmann decoder with a current Warranty shall not be deemed to change the position regarding a product that is otherwise outside its own Warranty. It may be necessary to change decoder settings during service.
11. Bachmann's liability under this Warranty will in no case exceed the price paid for the product as originally manufactured.



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