



# Class 410 / 4BEP Electrical Multiple Units

## Owner's Information

Many thanks for purchasing one of our **Bachmann Branchline** Class 410 / 4BEP Electrical 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 derailling.

For analogue use we recommend using a controller with a smoothed output. If you have any doubts please consult the controller manufacturer before operating this model. Do not use with Electronic Track Cleaners.

### 1. Model Spec.

**Motor Type:** Five Pole

**DCC Compatibility:** 21 Pin Decoder Socket in Powered Unit (DMBS)

**Recommended Decoder:** Bachmann **36-557** 21 Pin Loco-Decoder

**Speaker Mount:** 11 x 15mm

**Electrical Pickup:** All Wheels

### 2. Running-in

It is necessary that this Locomotive 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. Accessories

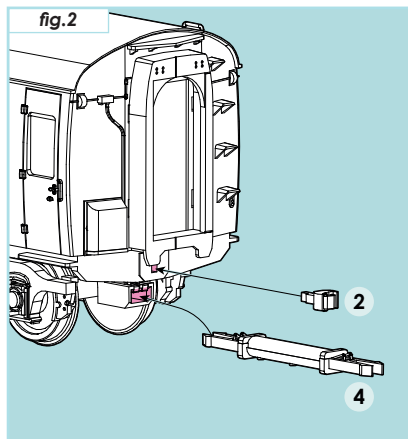
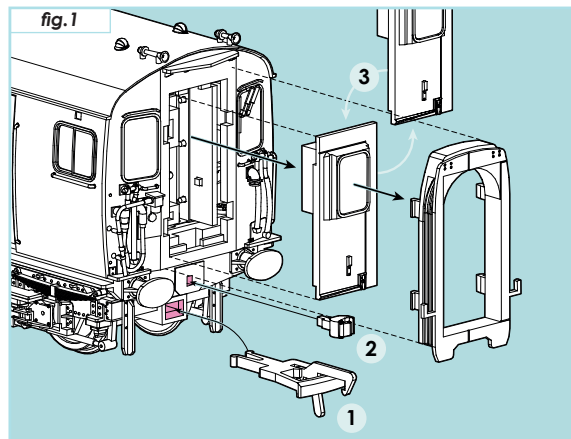
Although our models are highly detailed and ready to run straight from the box we also supply optional accessories to be fitted by the owner if they wish.

1 **Standard Coupling**

2 **Buck Eye Coupling**

3 **Replacement Door**

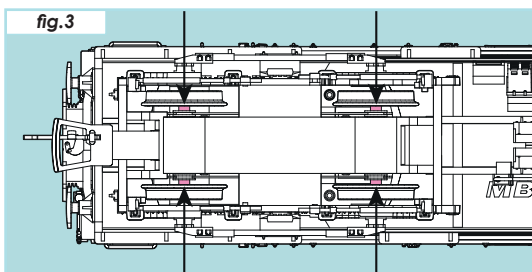
4 **Coupling Bar**



### 4. Lubrication

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

**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.



## 5. Coupling & Running Order

The Class 410 / 4BEP multiple units couple together with an electrical coupling, this allows for full DCC control of all cars without the need for multiple decoders.

fig.4

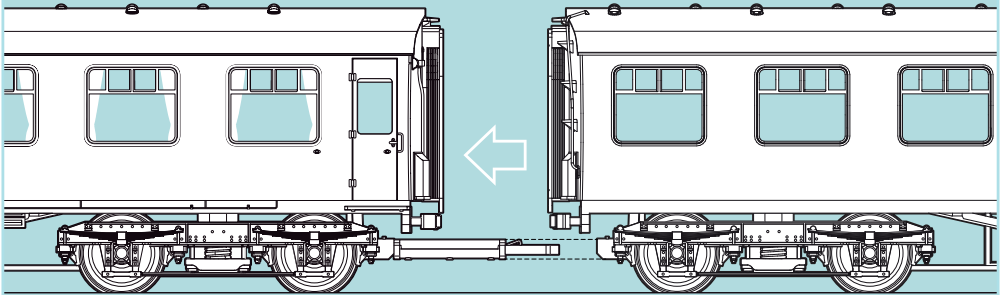


fig.5



The above illustration shows the prototypical running order of a Class 410 / 4BEP.

## 6. DCC Decoder & Sound Decoder Fitting - 21 Pin

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.

1. To fit a 21 Pin DCC Loco-Decoder (**36-557**) or DCC Sound Decoder to your model firstly remove the body of the powered DMBS Car, this is held together by Four Chassis Clips on either side. Gently ease the sides of the body out and use some plasticard, or similar material, to prevent the clips from re-securing (**fig.6**).

fig.6

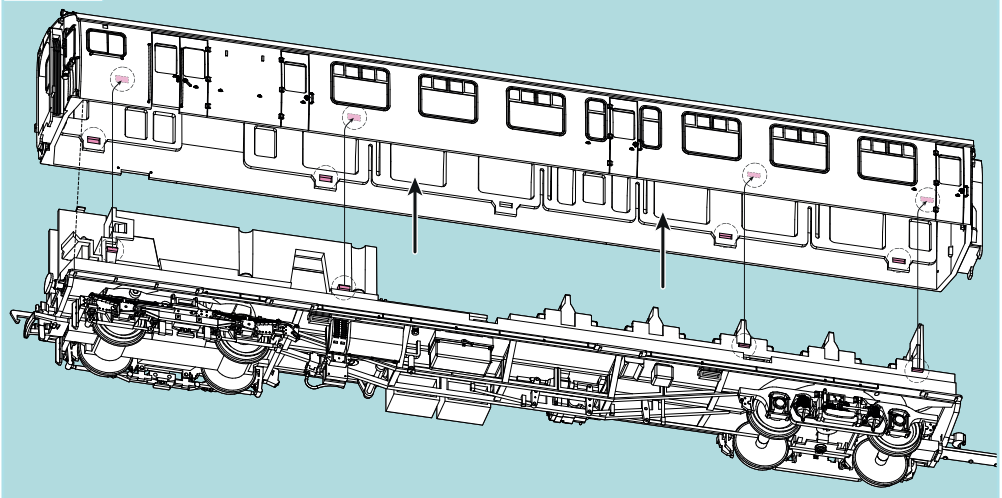
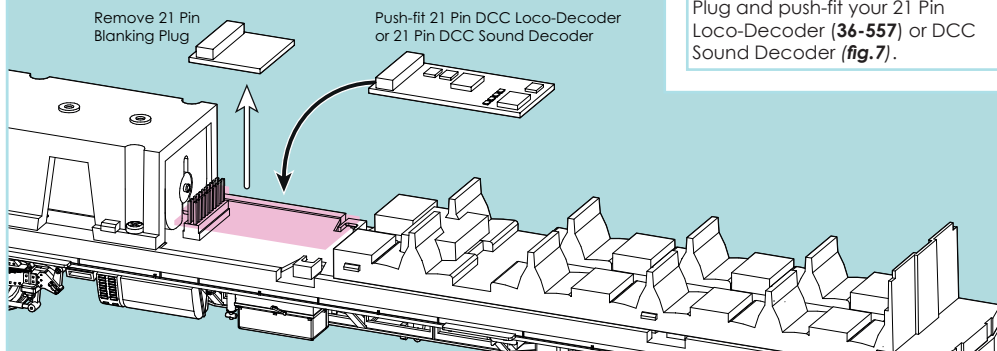


fig.7



2. Remove the 21 Pin Blanking Plug and push-fit your 21 Pin Loco-Decoder (36-557) or DCC Sound Decoder (fig.7).

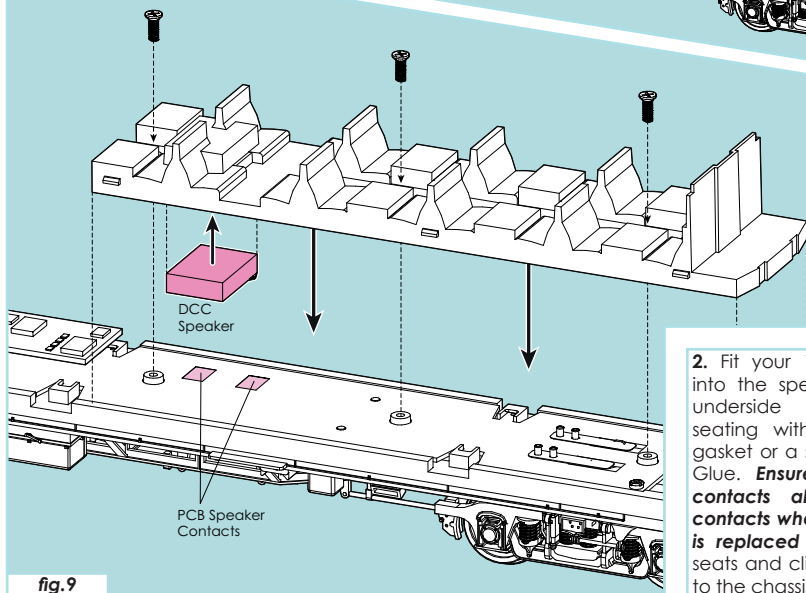
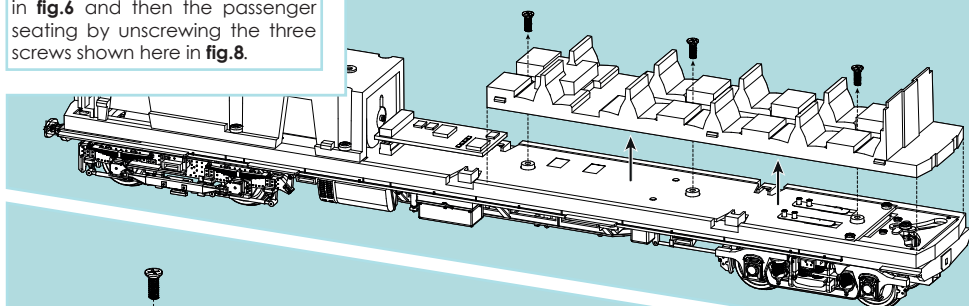
## 7. DCC Speaker Fitting - 11 x 15mm

If you're wanting to convert your model to DCC Sound Fitted you will also need to fit a DCC Speaker. The speaker will need to be fitted into the powered DMBS car of your four car unit, this is the same car that houses the DCC decoder socket.

**Please note:** It's recommended that the DCC Decoder and Speaker are both from the same manufacturer and the speaker specifications are compatible with the decoder. Please consult your retailer for advice.

1. Remove the bodyshell as shown in fig.6 and then the passenger seating by unscrewing the three screws shown here in fig.8.

fig.8



2. Fit your 11 x 15mm speaker into the speaker mount on the underside of the passenger seating with the self adhesive gasket or a small amount of PVA Glue. **Ensure that the speaker contacts align with the PCB contacts when the seat moulding is replaced (fig.8).** Replace the seats and clip the body back on to the chassis.

fig.9

## 8. Retail Accessories

Selected accessories are available to purchase from your local Bachmann stockist to keep your new model in good order for years to come including:

**36-557 - Bachmann 21 Pin DCC Loco-Decoder**, add a DCC decoder to use your model on a DCC system such as Bachmann's Dynamis Ultima system.

**36-063 - Class 410 4CEP & 411 4BEP Drawbars** (x4)

## 9. 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**.

## 10. 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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