

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 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.

Welcome

Thank you for purchasing this motorised **EFE Rail** London Underground 1938 Tube Stock set. This highly detailed working replica will give you years of pleasure and reliable operation if it is handled with care and regularly serviced.

Model Specification

Motor Type: Coreless – Please ensure you are using a controller suitable for use with coreless motors when running with DC/analogue control. Failure to do so may result in permanent damage to your model.

Decoder Interface: PluX22 – One decoder required in each driving car for DCC operation. Suitable PluX22 decoders are available from your Bachmann retailer (catalogue number 36-570)

Lighting: Interior saloon lighting.

Connecting The Cars

The London Underground 1938 Tube Stock train must be set up in the correct order, with the vehicles the correct way round.

Please take care when removing your model from its packaging, as EFE models incorporate many small parts.

To aid with assembly, you will find a white printed letter on the underside of each car. This letter should be facing the correct way round to indicate the correct orientation of each car, with A to the left, and D to the right when the cars are placed in a row in front of you.

The correct order of the cars is:
Driving Car A (A) – Trailer Car (B) – Non-Driving Motor Car (C) – Driving Car D (D)

You will find 4 coupling bars in the accessory pack included with the model. Three will be required for a 4-car set. The fourth is a spare.

There are two conductive couplings identified by the presence of copper contacts (these carry the supply for the interior lighting), and two non-conductive couplings.

The two conductive couplings should be installed with the raised block and copper contacts facing upwards away from the track, into the NEM pockets between cars A-B and cars C-D.

One non-conductive coupling should be installed with the raised block facing upwards between cars B and C. The second non-conductive coupling is a spare and can be used to couple multiple 1938 Stock sets together to make a longer train.

Running In

This train is a carefully engineered scale model and will require a short period of running in time before operating at its best. Run for about half an hour at a moderate speed in each direction to allow the gears in the mechanism to bed in for smooth operation.

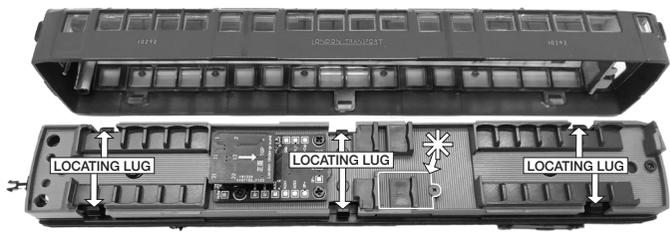
If you intend to install decoders for DCC operation, it is advised that the model is tested and run-in on analogue prior to the installation of decoders.

DCC Decoder Fitting

The EFE Rail 1938 Stock is supplied DCC Ready with a PluX22 decoder socket located in the saloon of each driving car.

Remove body

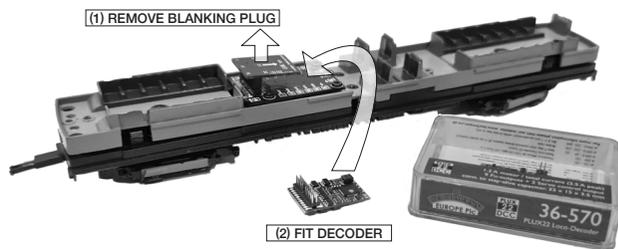
This can be accessed by firstly removing the bodies of the driving cars which are a friction fit (no tools are required) as shown



✱ Remove screw and lift seat section to access Sugar Cube Speaker sound chamber. Install 15 x 11mm speaker so that the back with solder contacts is facing upwards, and replace seat base after making provision for the two wires to the decoder.

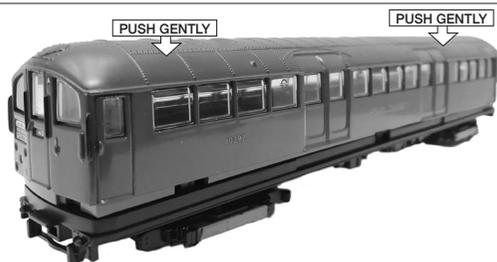
Fit decoder

Remove the blanking plug and replace with a 36-570 Bachmann Zimo PluX22 Decoder, or similar, as shown.



Refit body

Refit the driving car bodies by placing them on the chassis so the driving desk moulding is sitting under the cab end, and push down gently at both ends as shown



Accessories

- 2 conductive coupling bars.
- 2 non-conductive coupling bars.

Cleaning and Maintenance

Run your model on a track laid on a firm and dust free surface – not on carpet – to avoid dust and fibres entering the working parts of your model.

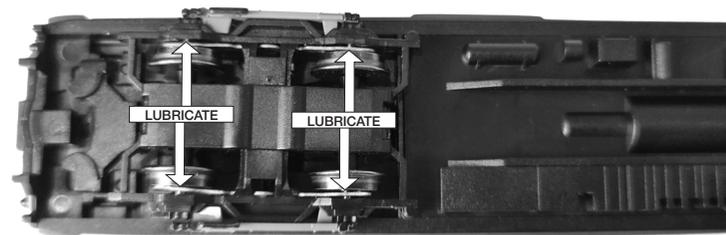
Care must be taken to clean and maintain your model for optimum performance. When required, wipe the rails and exposed portions of your locomotive's wheels with a soft, lint free cloth or cotton swab to ensure good electrical contact. Do not use steel wool to clean your track and take care to avoid scenic material from the layout entering the mechanism.

Lubrication

This Motorised Underground Train is supplied ready lubricated and may be used straight from the box. Over time the two Driving Motor Cars will require light lubrication to keep them in optimum operating condition. When will depend on the frequency of use and storage, so please inspect your model on a regular basis. Two different lubricants are required for maintenance of this model and should be applied carefully and sparingly in all cases.

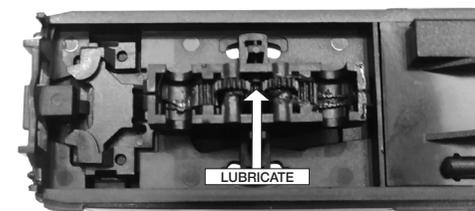
Axle Bearings:

Apply a light, conductive lubricant such as Bachmann Trains Conductive Contact Lube (99981), available from your Bachmann retailer. This can be done without removing any components from the model by turning the driving car upside down, and applying the lubricant with a pin or similar to the ends of the axles between the wheel and the phosphor bronze pickup tabs.



Gears:

Apply a non-conductive, plastic-compatible lubricant suitable for models, such as the Woodland Scenics Gear Lube lines (WHL655 or WHL664) available from your Bachmann retailer. This will require the bogie side-frames to be carefully removed, by using a flat-edged screwdriver to gently lever off the clip at the end of the bogie. Pull down gently to separate the bogie side-frame and axles from the gear tower, by gripping the outer ends of the bogie – avoid pulling the shoebeams, as these can be damaged easily.



It is very important that you do not get any non-conductive lubricant on the axle bearings, as this will prevent electrical pickup.

Storage

It is important to retain your packaging and associated information for future reference and storage. Do not store model in a damp environment or in excessive temperatures. Keep out of direct sunlight.