

Great British Model Railways

Welcome

Thank you for purchasing this **EFE Rail Class 35 Hymek** model locomotive. This highly detailed working replica will give you years of pleasure and reliable operation if it is handled with care and regularly serviced.

This 1:76 (4mm to 1ft) scale model is designed to operate off 12 Volts direct current supplied from a model railway transformer/controller. The wheelsets are set for 'OO' (16.5mm) gauge track. The model will run over curved track down to a minimum radius of 15 inches (385mm) but, due to its finescale wheel profile, more satisfactory running will be achieved over curved track formations of a larger radius.

A powerful 5-pole motor and heavy die-cast chassis ensure a haulage capacity that will meet most modeller's demands. Tests have shown this model to be capable of hauling over 15 coaches on level track. Running characteristics will improve with use.

The locomotive should initially undergo a 'running-in' period to allow all the moving components to seat properly. It is suggested that the model is left to run for at least 30 minutes in each direction at a medium speed.

Please ensure that all gear, bearings and axles are lubricated. This has been undertaken during manufacture but periodic cleaning and light re-lubrication using plastic compatible oils and greases is suggested. Good electric continuity is essential for smooth and reliable operation. As well as ensuring the rail head is clean, it is imperative that an uninterrupted supply to the motor is maintained by regular cleaning of the wheel treads and the wiper pick-ups acting on the back of the wheels. Inspect before use and carefully remove any deposits, debris or fluff that may have accumulated.

This model features a number of factory-fitted separate detail parts. A number of sprues are also provided with additional components for the purchaser to fit, to improve authenticity, if so wished.

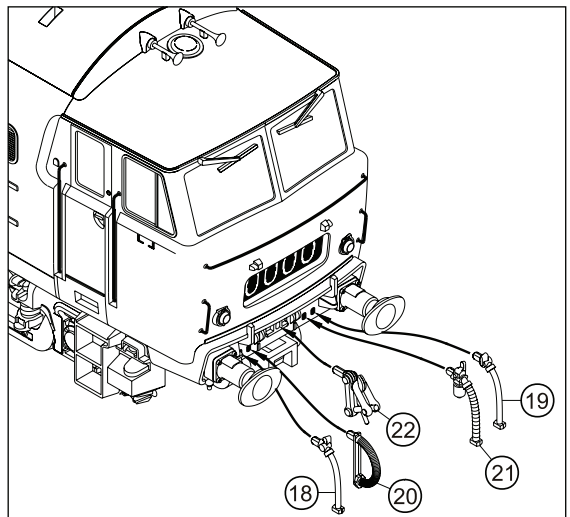
Buffer Beam Accessories

The Buffer Beam moulding is supplied with a number of locating holes for separate detail parts enabling the model to be fully detailed in this area.

Please be aware that the fitting of these parts may interfere with the operation of the tension lock couplings.

The following parts should be fitted as shown in the diagram.

- Brake reservoir pipes (18 & 19)
- Vacuum brake pipe (20)
- Steam heating pipe (21)
- Dummy Screwlink Coupling (22)



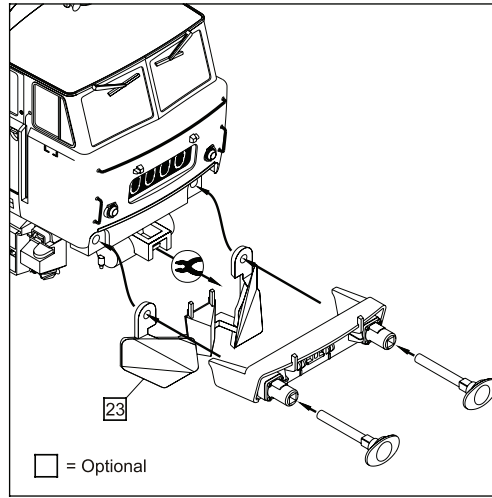
Snowplough Accessory

For the benefit of modellers who wish to represent further fitments that have appeared on some locomotives, we have also supplied the following additional part. This can be fixed as shown in the diagram.

The three-piece miniature Snowplough (#23) is held in place by the stems of the buffer heads and slides into the two recesses behind the bufferbeam.

The central supports should rest on the bufferbeam face each side of the dummy coupling. If you experience difficulty in fitting this part then try enlarging the holes through which the buffer stems should pass.

Those modellers who wish to undertake the fitting of separate detail parts are recommended to first make prototype observations referring to photographic references before undertaking this work.



DCC Decoder Fitting

Your EFE Rail 'Hymek' model comes ready to be adapted for Digital Command Control (DCC). The conversion of this locomotive to DCC operation is a simple task.

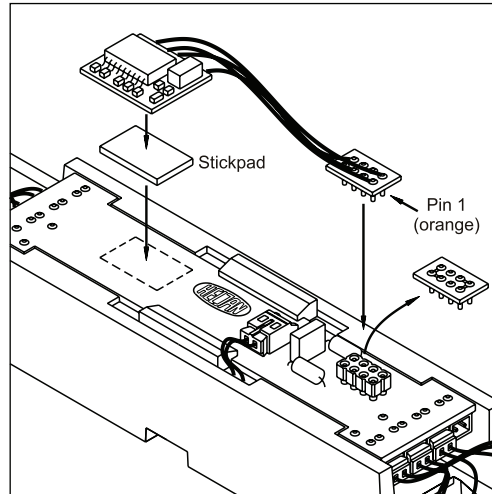
The printed circuit board mounted over the motor features a NEM652 eight-pin socket into which a dummy plug is inserted.

Access to the Chassis, Motor and Printed Circuit Board is gained by removing the bodyshell. Gently ease the body apart from the chassis along its lower edge, unclipping the four securing lugs. The chassis can then be gently drawn out by exerting a gentle separating force.

Remove the dummy plug and simply plug in your preferred decoder unit in its place.

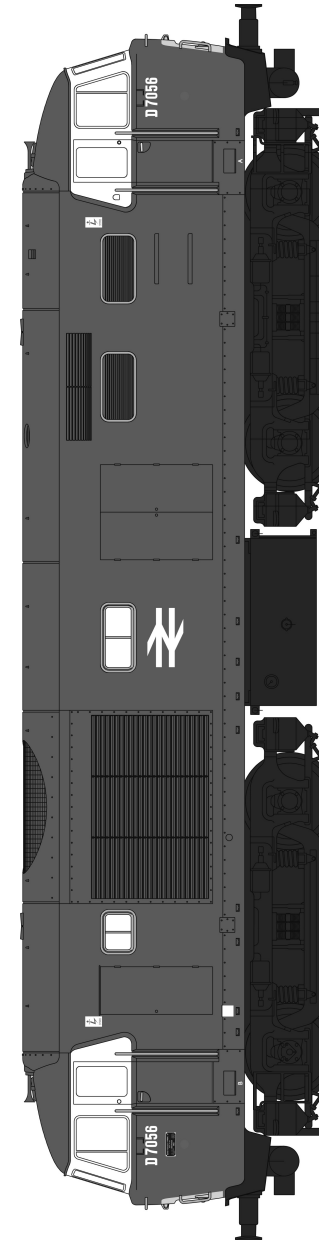
DCC can also be configured to give constant brightness illumination of the headcode panel and tail lights.

If you do not wish to undertake this work yourself then most retailers can fit decoder units if requested.



British Rail Class 35 Diesel Hydraulic
Locomotive Livery

sheet no. 4/22
issued Jan 1967



British Rail Class 35 Diesel Hydraulic
D7000 to D7100
Beyer Peacock Ltd., Gorton, Manchester
Built 1961 - 65
74 Tons
Engine Maybach Md870
Transmission Mekydro K184U
1740 Horsepower
Max Speed 90 mph

Body, B.R., Rail Blue
End panels, Warning Yellow
Window surrounds, White
Undergear and bogies, Black

Spare Parts

Requests for spare parts should be directed to HELJAN (UK), Unit 2C/D Station, Field Industrial Estate, Rowles Way, Kidlington, Oxon, OX5 1LA, stating the model catalogue reference number and part required.

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 Heljan 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.