

Thank you for your choice of the Murphy Models 'OO' Scale Class 141 / 181 diesel locomotive by Bachmann Branchline.

General

Please take care removing your model from its packaging. Lift carefully using the protective foam sheet: do not pull by the buffers. Packaging should be retained for safe storage of your model when not in use.

The mechanism of this model requires running in (without a load) for approximately 1 hour in each direction at moderate speed to allow the gear train to bed in.

When required, sparingly lubricate the motor bearings using plastic compatible light model oil and the gear train with model grease.

Do not run your model using track laid on carpet as dust and fibres may enter the working parts of your model.

Do not leave your model in direct as this may cause damage to the paint finish.

To obtain the best results from your model on a conventional DC layout, use a smooth DC controller, such as the Bachmann Branchline train controller (item 36-560)

Bachmann Branchline locomotives are not suitable for use on track tighter than second radius (18 inches).

Body removal

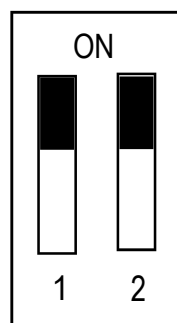
Squeeze the body slightly at the middle of the body to release the four clips securing the body (indicated overleaf).

Head / Tail light selector switch

The lights are arranged so that either end can be controlled independently: for example a pair of locomotives run together would not have lights on on the intermediate cabs illuminated.

Use the switch on the PCB to turn on / off the lights on the chosen end.

Switch '1' controls the radiator end of the locomotive.



DCC Decoder fitting to DC model

This model has a 21-pin connector for a decoder.

Use either a decoder with matching fitting (such as Bachmann EZ Command 36-554) or the Bachmann EZ Command 36-559 8/21pin adaptor to use a decoder with an 8-pin plug.

It is recommended to run in a DC locomotive first before installing a decoder.

Carefully remove the blanking board and locate the decoder onto the pins of the decoder interface following the instructions included with the decoder: the decoder fits with the contact block uppermost and the decoder length away from the radiator end of the locomotive.

DCC Sound Decoder fitting to DC model

There are loudspeaker connections on the main PCB, marked 'SP+' and 'SP-' that can be used when a sound decoder with a 21-pin connector is used. Follow any fitting instructions supplied with the decoder. Fit a loudspeaker to the housing provided within the locomotive.

Control of lights with DCC

When using a decoder with the appropriate number of function outputs, the head and tail lights can be controlled as follows:

F0 - Head lights / tail lights turned on / off

This is subject to the settings of the selector switch on the PCB.

Hints for best results

The operation of a DCC locomotive requires that the power to the model is not interrupted. Track, wheels and pickups should be kept clean and all rail joiners must give good connections between sections of track. Improved reliability of DCC performance may be obtained by deselecting DC operation of the model on the decoder. This is usually controlled by CV29, Bit 2

The model should be handled carefully as it has many finely detailed parts. It is not suitable for persons under 14 years.

Replacement Parts

- 1 MM0141-01 motor
- 2 MM0141-02 PCB
- 3 MM0141-03 driveshaft
- 4 MM0141-04 underframe
- 5 MM0141-05 driving wheels
- 6 MM0141-06 bogie
- 7 MM0141-07 drive cup
- 8 MM0141-08 bogie frame
- 9 MM0141-09 gear set
- 10 MM0141-10 coupling
- 11 MM0141-11 LED board
- 12 MM0141-12 loudspeaker housing
- 13 MM0141-13 accessory parts

When ordering parts please quote the catalogue number together with the livery of the model (if appropriate) and number of the part required.
Parts are subject to availability.

Packets of couplers (item 36-030) suitable for this model are available from retailers

This model is sold with a Warranty covering defects in manufacture for 12 months from the date of purchase.

For all Service and Parts enquiries please contact:

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