

Thank you for your choice of the Bachmann Branchline Class 20 Bo-Bo diesel locomotive.

## General

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 oil and the gear train with model grease.

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

## Body removal

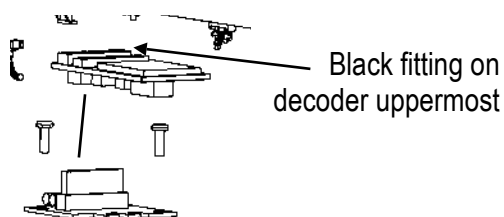
There are two screws, one at each end of the locomotive as shown overleaf

## DCC Decoder fitting to DC model

This model has a NEM 655 21-pin mtc connector for a decoder.

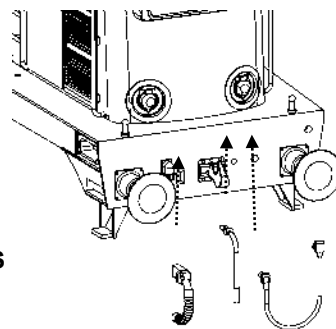
It is recommended to run a DC loco in first on a DC power supply before installing a decoder.

Carefully remove the blanking board and locate the decoder onto the pins on the PCB following the instructions included with the decoder: the decoder fits so that the contact block is uppermost with the decoder fitting towards the middle of the main loco PCB.



## 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.



## Buffer beam parts

## Hints for best results

The operation of a DCC loco 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

## Headcode discs

A selection of disc headcode arrangements applicable to the Class 20s with discs

○ open disc    ◐ closed disc

◐ ○ ○	Express passenger
◐ ○	Ordinary / branch passenger
◐ ○ ○	Fully brake fitted parcels / perishables
◐ ○	Express freight
◐ ○	Freight, mineral, or ballast.
◐ ○ ○	Light engine(s)
◐ ◐	Freight, mineral or ballast stopping at intermediate stations
◐ ◐ ○	Ballast or freight stopping in section
◐ ○	Branch freight.

## Replacement Parts

- 1 025-003 motor
- 2 025-006 PCB 21pin
- 3 025-004 driveshaft
- 4 025-025 bogie
- 5 025-011 drive cup
- 6 025-002 motor bracket

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

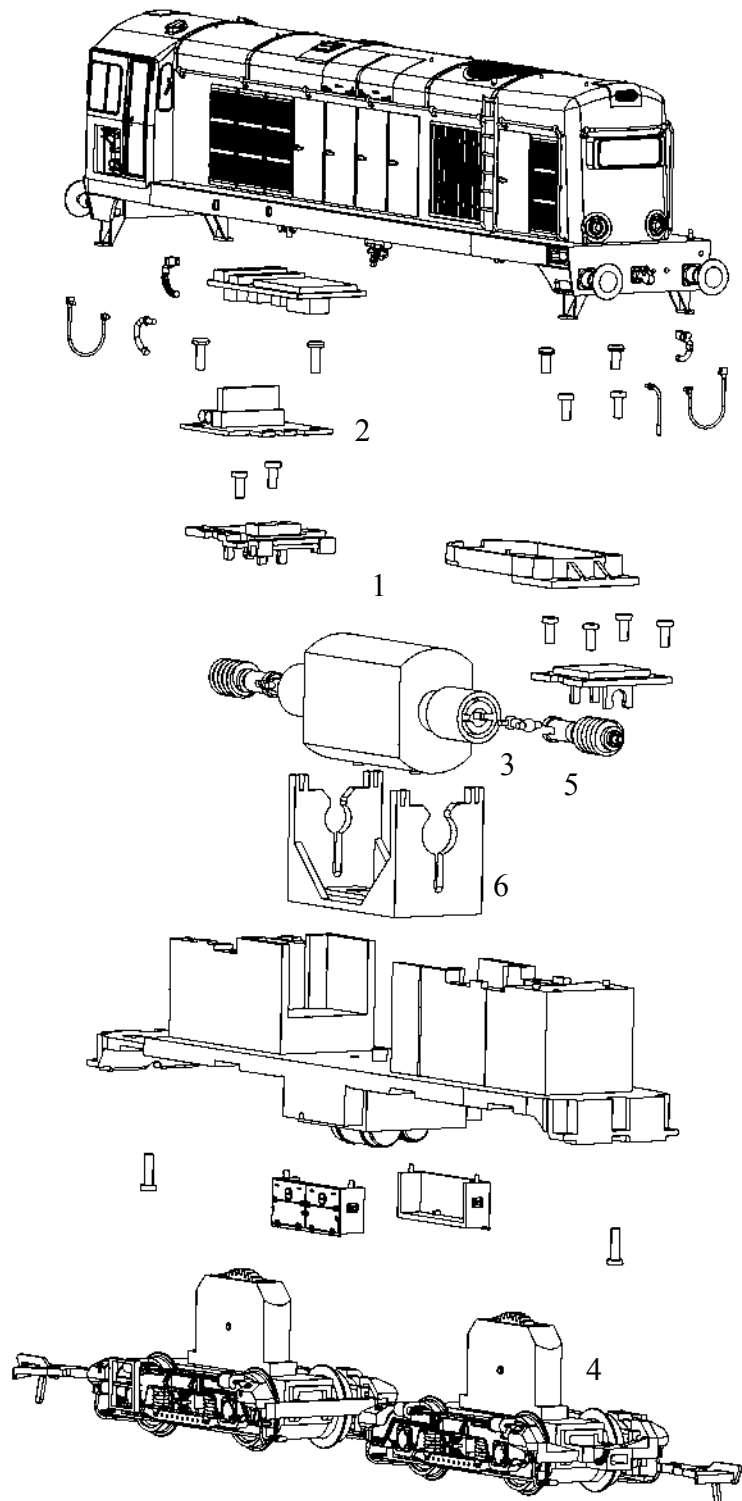
When ordering parts please quote the catalogue number together with the livery of the model (if appropriate) and number of the part required.

Parts are subject to availability.

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

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Class 20 rev 3 02/15  
E3202-IS003



## Location of body screws

At each end of the chassis

