

Thank you for your choice of the Graham Farish Class 108 diesel multiple unit.

## Running in

The mechanism of this model requires running in (without a load) for approximately 1 hour in each direction at moderate speed.

## Curves

This locomotive is recommended for use on 10.5" radius curves (second radius) but will operate on 9" radius curves.

## Body removal

The bodyshell clips over the chassis and can be removed by carefully easing away from the chassis.

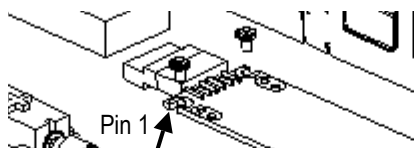
## Lubrication

When required, sparingly lubricate the motor bearings using plastic compatible light oil and the gear train with model grease. Suitable lubricants are Bachmann E-Z Lube item 99984 or Woodland Scenics 'HobbyLube' Lite Oil item HL654.

## DCC Decoder fitting

The model has a NMRA/NEM 651 6-pin decoder socket in both power and trailer cars.

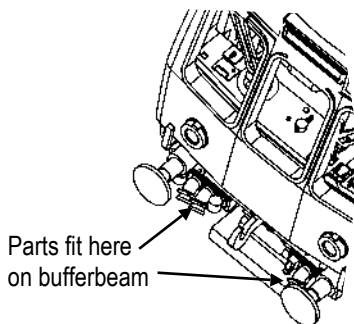
Follow the instructions supplied with the decoder. Remove the blanking board and fit the decoder, aligning as shown. We recommend that the model is run in first using a DC supply before fitting a decoder.



## Sound decoder / loudspeaker fitting

Space is provided at the gangway end of the power car for loudspeaker to be used in conjunction with a suitably sized sound decoder.

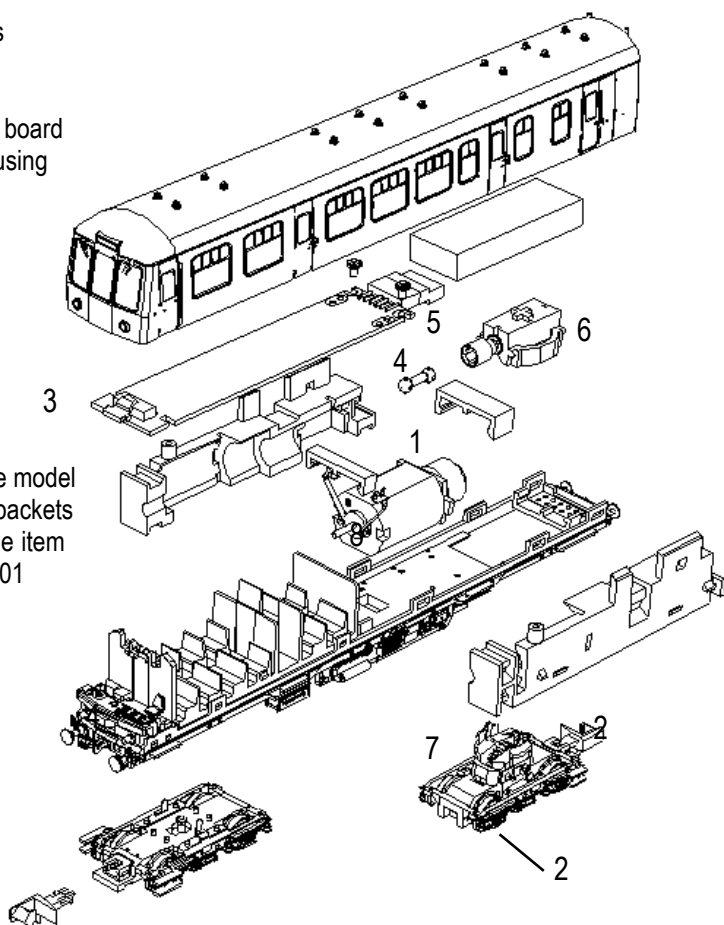
## Location of buffer beam fittings



Do not run Graham Farish N scale models with a DCC controller unless a DCC decoder has been fitted as damage to the motor may result if run as analogue loco "0"

## Parts

- 1 Motor
- 2 Driving wheels
- 3 PCB
- 4 Driveshaft
- 5 6-pin blanking board
- 6 Worm and housing
- 7 Bogie



Couplings for the model are available in packets from retailers: the item number is 379-401

**Bachmann Europe Plc**  
 Moat Way  
 Barwell,  
 Leicestershire  
 LE9 8EY 01455 841756  
[www.bachmann.co.uk](http://www.bachmann.co.uk)  
 Class 108 rev 3 09/15  
 F7187-IS001

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

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.