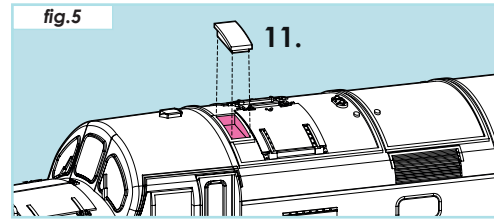
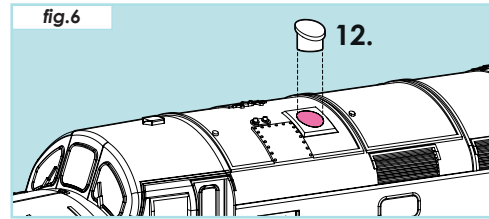


1. Accessories (Continued)



11 Rectangular Boiler Port Cover



12 Circular Boiler Port Cover

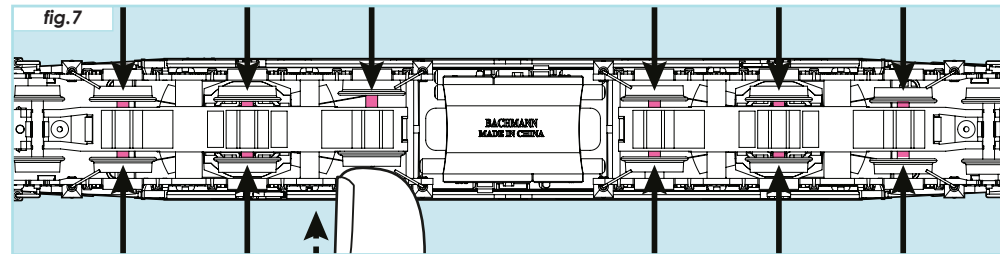
2. Running-in

It is necessary that this locomotive is 'run-in' to allow the mechanism and gears to settle. This requires the model to be run without a load (wagons, coaches, etc.) for 30mins in each direction at half speed.

3. Lubrication

All Graham Farish locomotives are supplied ready lubricated and can be used straight from the box. Over time your locomotive will require some additional lubrication, when will depend on the frequency of use and storage so please inspect your model on a regular basis.

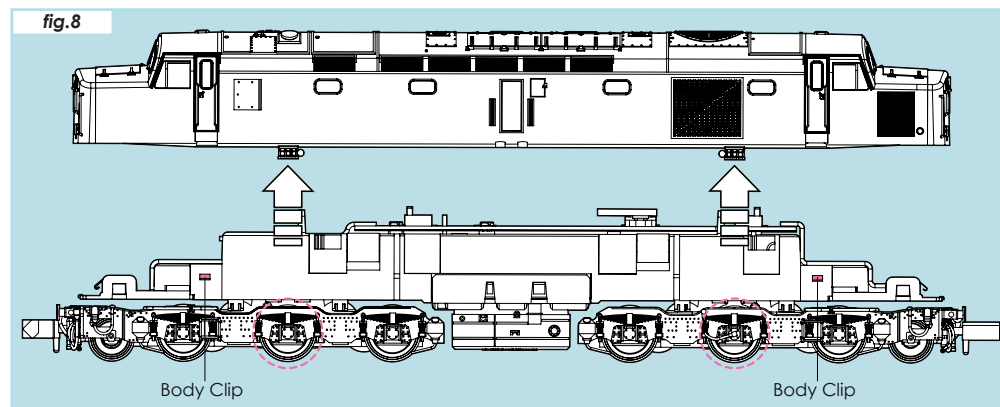
If the driving wheel axles appear dry and no lubricant is visible, (where shown in **fig.7**) it would be advisable to lubricate your model.



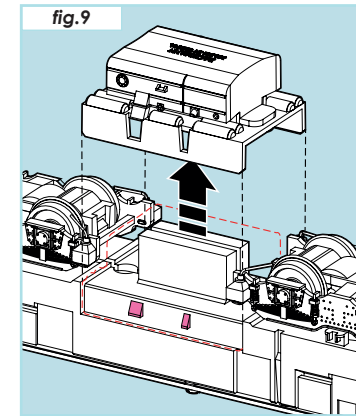
The driving wheel bearings will require lubricating at both ends. To do this simply push the set of wheels to one side and apply a single drop of **electrically conductive** and **plastic compatible lubricant** to the exposed axle. Then repeat on the other side.

Motor Bearing Lubrication

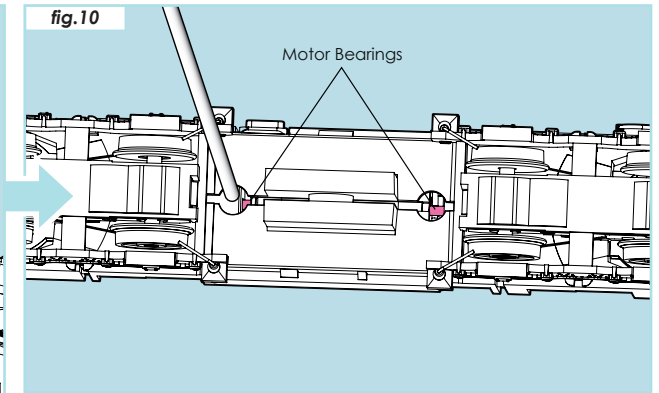
Periodic lubrication of the motor bearing may be required. Some disassembly is required and is shown below.



1. The body of the N scale Class 40 is friction fitted so no screws are required. To remove, ease the body off away from the body clips on the chassis, hold the centre of a bogie and gently pull at the body above to ease off, you will need to alternate your grip between bogies before the body separates from the chassis (**fig.8**).



2. Remove the fuel tanks from the underside of the chassis by easing them off the chassis clips. (**fig.9**).



3. Apply a small amount of **plastic compatible lubricant** to the motor bearings visible through the two holes exposed. Use a needle type applicator such as those in the Woodland Scenics Premium Hob-E-Lube range (**fig.10**).

4. Fitting DCC & DCC Sound Decoders.

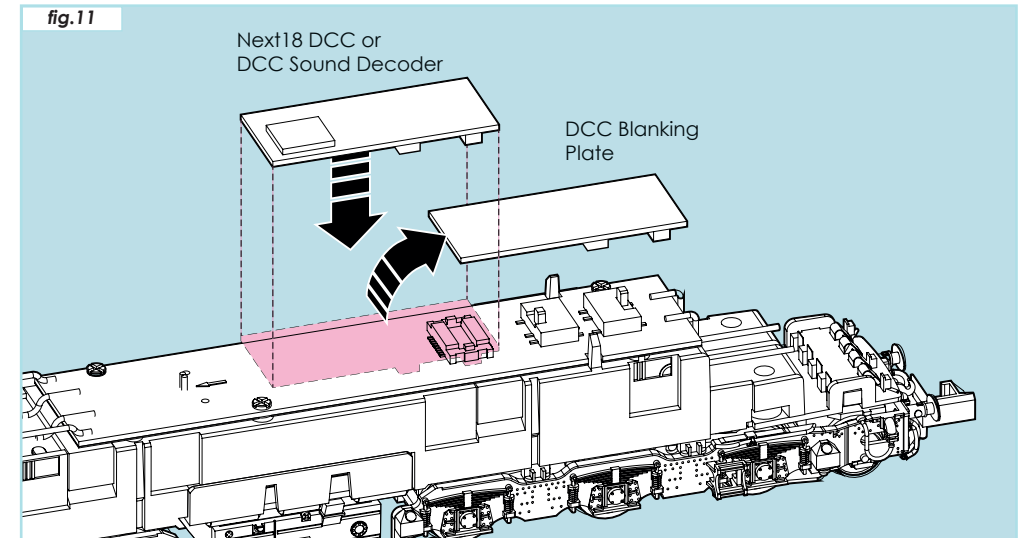
Digital Command Control (DCC) allows for greater functionality and control over the locomotives on your layout; such as the simultaneous control of speed & direction of multiple locomotives and enables the use of DCC controlled track, points and other DCC Decoder fitted accessories. DCC also allows the addition of DCC Sound which brings a whole new level of realism to your model railway.

To convert this locomotive to DCC or DCC Sound all that's required is the fitting of either a Next18 DCC or DCC Sound Decoder. **This locomotive comes with a DCC Sound Speaker already fitted!**

1. Remove the body as shown previously in **Fig.8**

2. Remove the Next18 DCC decoder blanking plate (**Fig.11**).

3. Push-fit your Next18 DCC or DCC Sound Decoder.



Please note: This locomotive comes with a DCC Sound Speaker already fitted, if you wish to make use of the AUX 5 & 6 decoder outputs on a non-sound decoder we advise you remove the speaker first.

This is because on a **non-sound decoder** AUX 5 & 6 outputs use contact pins 7 & 16, but on a **sound decoder** pins 7 & 16 are the speaker contact pins.