Class 26 Locomotive DCC Ready
IMPORTANT INSTRUCTIONS
Please read BEFORE using this model

NPACKING & HANDLING YOUR LOCOMOTIVE:
Your model contains delicate precision parts. Please handle accordingly.
Removing your model from its case: Remove the model from the plastic case along with its foam packing. The model can then be removed from the foam above a soft surface to prevent damage if dropped.

- Take care to ensure that detail parts do not catch on the foam as the model is removed.
- Do not use the Buffers or other parts as handles or levers when removing the model from its packaging

YOUR MODEL NEEDS LIGHT LUBRICATION AFTER EVERY SO HOURS RUNNING:
This model has been factory lubricated and requires no Initial lubrication. Maintenance requires an extremely light application of plastic safe • oil, such as Dapoil or Locolube after every 50 hours of running (Storage in hot environments may require more frequent applications). Please be aware that over-oiling the wheel bearings will interfere with the electrical pickup of your model. Therefore, we recommend you use a very fine artist's paintbrush to apply only the tiniest amount of lubricating oil precisely between the bearing surfaces, as follows:

- Place a droplet of plastic safe oil onto a hard, non-absorbent, surface;
- Use a very fine pointed paintbrush to transfer a very small amount of oil, precisely, onto the bearings at the points indicated in the diagram overleaf. (The oil should not be painted on but, rather, capillary action should be used to draw the tiniest amount of oil out of the tip ofthe brush into the bearing.)
- Dry the paintbrush by blotting with absorbent paper, such as kitchen towel;
- Re-apply the dry paintbrush onto the oiled bearing, to 'wick away' any excess oil. Repeat steps 3 and 4 until the only remaining oil is an extremely fine (almost invisible) coating at the precise point where the two components rub together.

Please keep oils and lubricants away from the Motor and electronic circuitry located Inside the tender body. The motor is of advanced self-lubrication design, 'sealed-for-life', and lubricants may damage the delicate circuitry. Also, be aware that N gauge track should never be laid directly onto carpet, as dust and fibres will become entangled in your locomotive's finely detailed mechanisms.

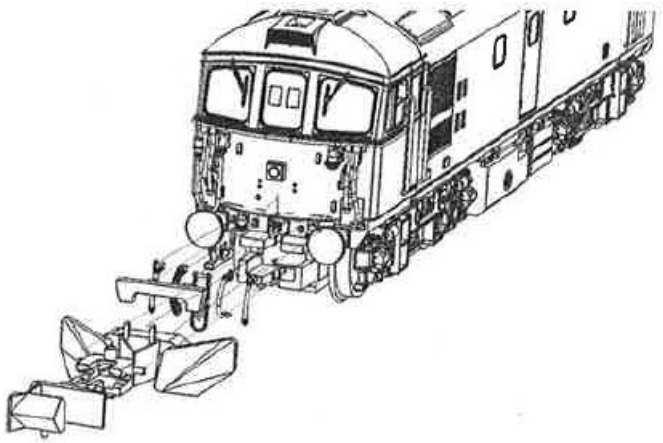
***Your model supplier can advise on the best 'plastic safe' oils and lubricants available in your country**

RUNNING IN' YOUR LOCOMOTIVE
You will obtain quieter and smoother performance from your Dapol locomotive if you invest a little time 'running in' the motor and the motion parts. We recommend
that you begin the 'running in' period by operating the locomotive on its own, at a moderate speed, for a period of at least half an hour in each direction. (The complete
'settling in' process often continues beyond the initial 'running in' period, and you will notice that the locomotive gradually runs quieter and smoother over several
weeks of normal coach/wagon hauling operation.)
FITTING A DIGITAL (DCC) CHIP
If you have purchased an Analogue (DC) locomotive and wish to upgrade it to Digital (DCC) operation, then you will need to remove the locomotives body Ref: Diagram overleaf (Gently prose the loco body apart, whilst lifting away from the chassis at each end. Be aware that there are two lightingconnections between the body and chassis. It is not normally necessary to un-plug these to fit a decoder. Should unplugging be required, do not use the wires to pull the plug from the socket. Once the body is removed, replace the factory-fitted blanking plate with an appropriate 6-pin DCC Chip.
(See diagram overleaf.)
Lighting control
A switch is located on the underside of the fuel tank to enable the rear lamps to be turned off when hauling rolling stock. Please note:
The model is shipped with this switch in the OFF position.
Accessory parts
Additional detail parts are supplied in plastic bags within the outer case and fitted as follows:

- Couplings can be removed or supplied alternatives fitted by simply pulling the existing Rapido type away from the locomotive. Alternatives simply push fit.
- Bell: A bell and lamp is supplied for those who wish to model the 'Weymouth tram'. We suggest temporary fitting using 'Tacky Wax' or 'Blue-Tac'.

Please note that the following parts may interfere if a coupling is fitted

- **Snow plough:** Remove the coupling and centre part of the NEM pocket. Clip the plough into the slot of the NEM pocket.
- **Pipes:** Are fitted in the order shown and push into matching openings in the buffer beam. If desired a small spot of adhesive can be used to secure.
- **Buffing Plate (Class 33/lOnly.):** This fits between the buffers and is secured by small spots of adhesive.
- **Dummy Screw Coupling:** This is clipped into the hook already placed on the buffer beam.
- **Etched Double Arrows:** They have been included with appropriate versions of this model for you to fit at your option, over the pre-printed arrows (using them as a location guide). The etched arrows are slightly larger than the printed versions. We recommend using a clear varnish or slow set adhesive. This will allow time to align the part before it becomes permanently fixed.



Gear Oiling Points

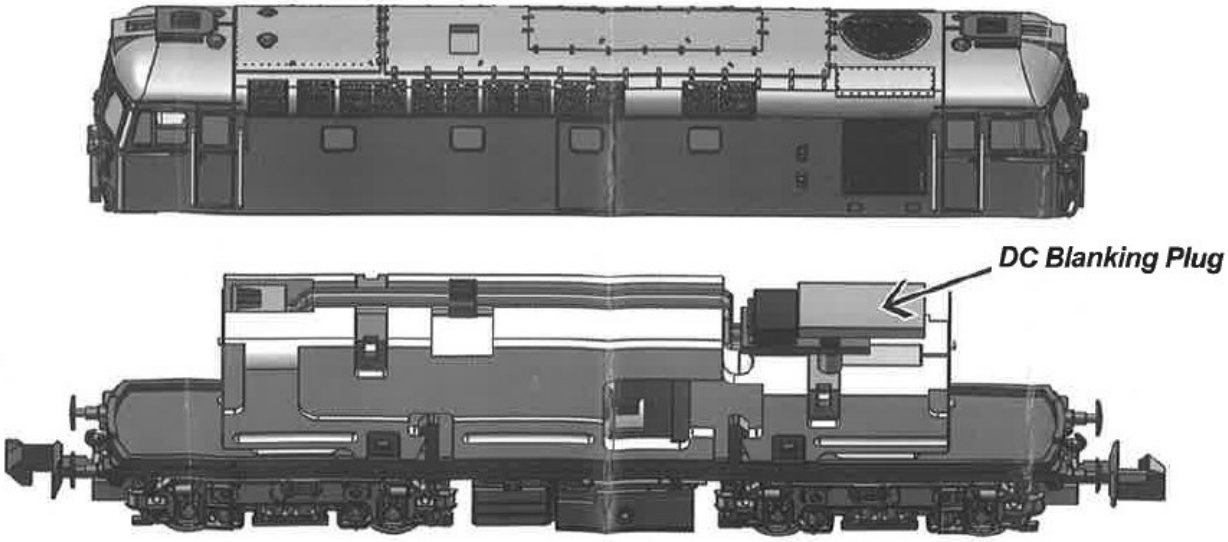
Normal oiling points into exposed gears without removing body

Routine Maintenance

To expose drive worms and chassis for routine maintenance, simply pull the complete bogie assembly away from the chassis. The bogies are a 'pull-out' & 'push-in' fitting method. When refitting, ensure that the gear on top of the bogie tower meshes with the worm.

Removal of Cab for DCC Installation

To remove body, simply pull body away from chassis to leave exposed chassis as image.



EUROPEAN REGULATIONS: Dapol products conform to WEEE and RoHS requirements. If you have a need to dispose of any electrical part, please do so correctly.

Made In China

dapol
Model Railway Company

Class 33 Locomotive
IMPORTANT INSTRUCTIONS
Please read BEFORE using this model

UNPACKING & HANDLING YOUR LOCOMOTIVE:

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Removing your model from its case: Remove the model from the plastic case along with its foam packing. The model can then be removed from the foam above a soft surface to prevent damage if dropped.

- Take care to ensure that detail parts do not catch on the foam as the model is removed.
- Do not use the Buffers or other parts as handles or levers when removing the model from its packaging.

YOUR MODEL NEEDS LIGHT LUBRICATION AFTER EVERY 50 HOURS RUNNING:

This model has been factory lubricated and requires no initial lubrication. Maintenance requires an extremely light application of plastic safe * oil, such as Dapoil or Locolube after every 50 hours of running (Storage in hot environments may require more frequent applications). Please be aware that over-oiling the wheel bearings will interfere with the electrical pickup of your model. Therefore, we recommend you use a very fine artist's paintbrush to apply only the tiniest amount of lubricating oil precisely between the bearing surfaces, as follows:

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WARRANTY:

Please refer to separately provided warranty paperwork for details.

Accessory parts:

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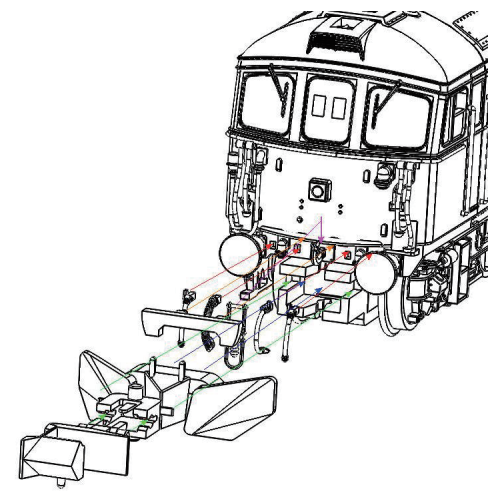


DC OPERATION:

If you wish to run the model on standard DC – then do nothing. Our PCB will automatically recognise that you have DC controller and will allow operation at normal DC parameters. **Important Note:** This model should only be used with a DC controller designed for model railways rated at 12V DC nominal voltage. When (optionally) fitted with an appropriate DCC decoder it may also be used with a compatible DCC control system. You can turn the rear light off by pulling the DIP switch to the 'OFF 'position.

DCC OPERATION:

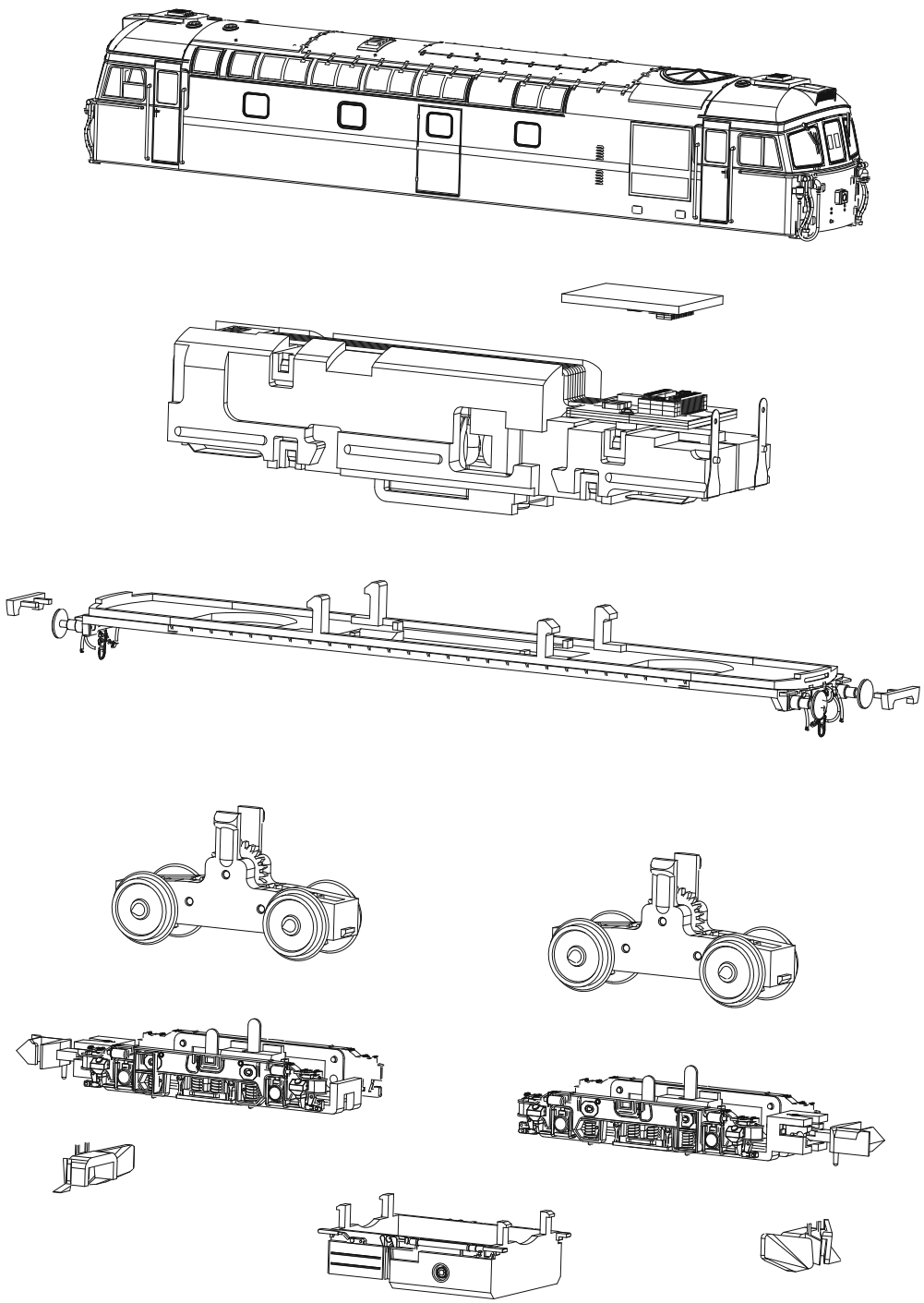
Our model is fully DCC ready. The model is fitted with a DCC board which features a Next 18 plug pre-fitted with a 'blanking plug'. Carefully remove the blanking plug and insert the decoder of your choice. Before converting to DCC please ensure that your decoder will fit the model, as some decoders are large and could have a thick protective outer shroud. To expose the PCB, simply pull the body away from the chassis using finger pressure. Fit your decoder and programme as normal. Reclip the body.

We have designed this model to have independent control of front and rear lamps. For best operation, we recommend a 4 function (or greater) decoder is fitted (for example a 6 function Dapol Imperium Next-18) to your model. If you have purchased the Dapol factory fitted decoder it has been fitted with a pre-programmed Imperium decoder (Please refer to separate DCC operation instructions supplied). If fitting a decoder (including a non-factory fitted Imperium) you will need to consult the decoder manual to correctly configure the decoder for operation of the locomotive lighting.

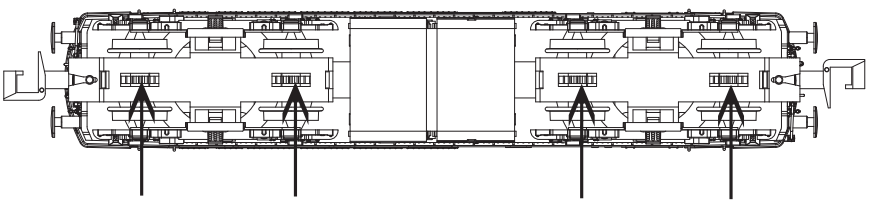
For reference, the model's lighting assignments are below:

Decoder output	Front light (FLf)	Rear Light (FLr)	AUX 1	AUX 2	AUX3	AUX 4
Lighting	Front white lamps	Front red lamps	Rear white lamps	Rear red lamps	No connection	No connection

Class 33



Oiling points for gears before test running, and removal of body for DCC installation



Normal oiling points into exposed gears without removing body

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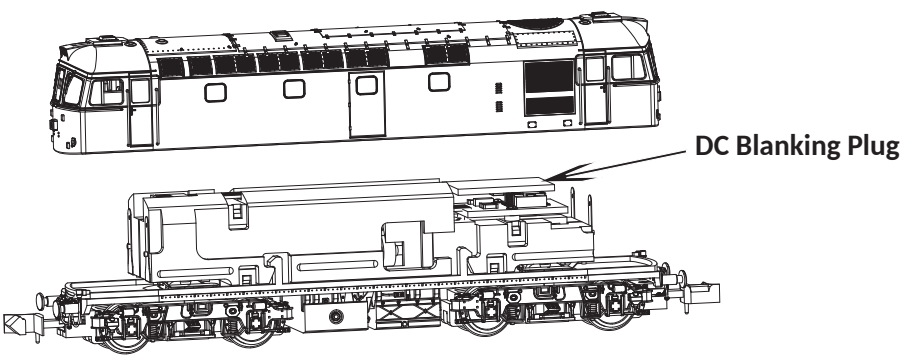
To remove body, simply pull body away from chassis to leave exposed chassis as image.



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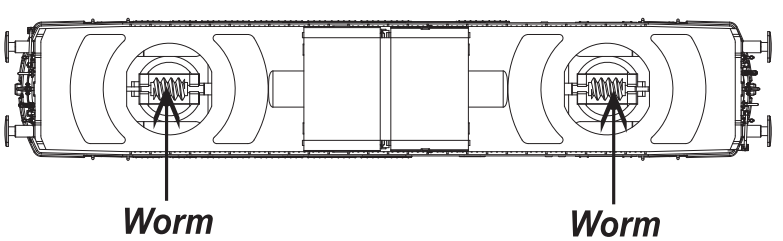

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