

THIS MODEL NEEDS OILING BEFORE USE:

Whilst this model has been pre-lubricated at manufacture, the factory applied lubrication may have dried out during transit or storage. Therefore please lubricate the visible gears on the underside and test run before use using a proprietary lubrication. Your local model shop will be able to advise you in this, however Dapol also sell recommended locomotive oil.

If under test your locomotive is sluggish, or excessively noisy (remembering with proper lubrication and running in it will quieten down considerably), then you may wish to lubricate the worms and their associated bearings. This can easily be done by unclipping the bogie from the chassis as shown in the accompanying diagram.

Please remember to run your locomotive in for 30 minutes in each direction after lubrication, and the failure to lubricate your locomotive will result in a voided warranty.

IMPORTANT NOTES:

Failure to oil may affect any warranty claim. Please use caution when applying oil as some types can cause damage to plastic. If oil touches the body then immediately wipe off using a non-fluffy cloth. No part of the motor requires lubrication. **DO NOT OIL THE MOTOR OR POLES / ARMATURE.** Do not operate the model on track laid onto carpet as the dust and fibres will impair the mechanism.

POWER TYPES (DC) and OPERATION:

If you wish to run the model on standard DC then do nothing. Our PCB will automatically recognise you have a DC controller and will allow operation at normal DC requirements. * PLEASE NOTE: When using standard 12v DC power, it is important that you use an appropriate 'N' gauge controller as '00' controllers (both new and old) may not allow the measure of control required for our super fine 'N' motors.

Do not, at any time use this model with an electronic track cleaner as it may cause considerable electronic damage to your model.

POWER TYPES (DCC) and OPERATION:

Our model is fully DCC Ready. The unit is fitted with a DCC board which features a 6-pin NEM socket pre-fitted with a DC 'Blanking Plug'. The body simply pulls away from the chassis and the PCB can be seen on top of the chassis block (see diagram overleaf).

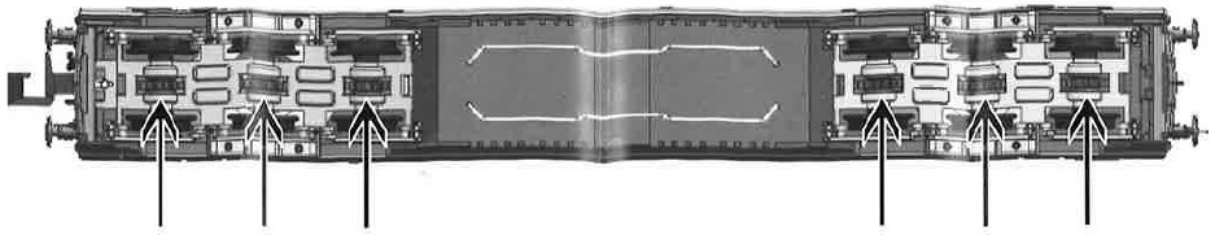
Carefully pull out the 'Blanking Plug' and fit the decoder of your choice.

Do not use this model on DCC without a Decoder being fitted as this may cause damage to the mechanism. Do not use the locomotive on DCC with setting 'O' or '00' on the controller as damage will be caused to this model.

Always run this model in on DC first before fitting a Dapol approved decoder and running on DCC.

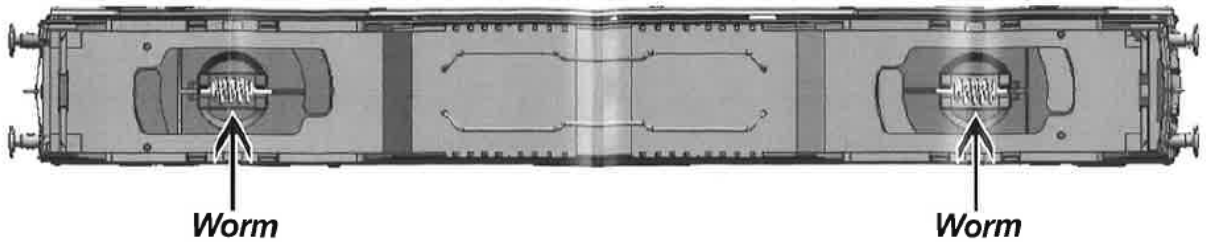
EUROPEAN REGULATIONS: Dapol products conform to WEEE and RoHS requirements. If you have a need to dispose of any electrical part, please do so correctly.

Gear Oiling Points



Normal oiling points into exposed gears without removing body

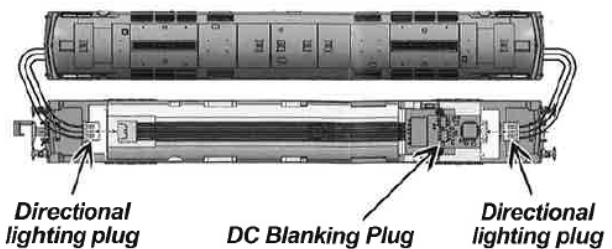
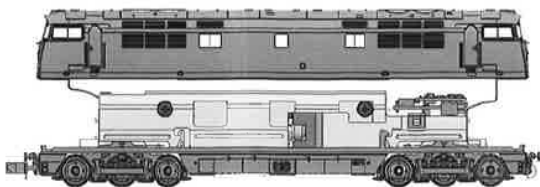
Routine Maintenance



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. 'Care must be taken when doing this as the chassis is wired to the body for the directional lighting?'



To replace bogie with NEM pocket

