

Dapol O gauge class 08 locomotive

4 lamp version

Owners guide

1. **First use:** We'd like to thank you for purchasing this Dapol product. This owners guide is applicable to all 4 lamp versions of this locomotive. No special running in or lubrication is required, as our 'new generation' locomotives have been designed with care to offer many years of service with minimal maintenance. However we suggest that before you operate your model for an extended time, you first operate it in both directions at a low speed whilst checking for correct operation. This operation can be performed in either DC or DCC (after fitting a decoder – see paragraph 4) Also, please check that you have the following additional items in within the packing.

a. Dapol 'No Quibble' warranty sheet

2. **Fitting detail parts:** All detail parts have been factory fitted to your locomotive.

3. **Lighting operation:** Directional lighting is fitted to your model which can be overridden using switches under DCC or controlled via your DCC decoder (if fitted). An authentic shunt mode is included (showing both red and white lamps at each end)

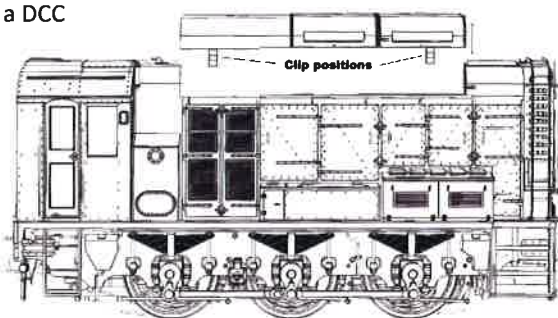
4. **Decoder installation:** There is no need to remove the body to fit a DCC as the hood of the model unclips to access the decoder socket.

a. Squeeze the top cover gently and pull upwards to remove.

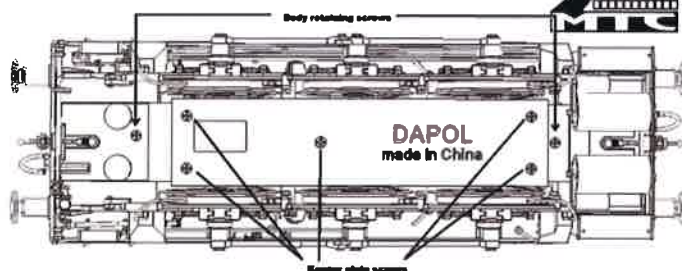
b. Remove DC blanking plate from the circuit board; we suggest easing it evenly on alternate sides, pulling is likely to result in bent pins!

c. Insert decoder aligning the decoder keying pin with the 'missing' pin of the locos plug.

d. Fitting for a 31mm circular speaker is included in the removable hood section. Alternatively, a larger speaker can be clipped into position within the loco such as a Bass enhanced (DCC Supplies part # 100898 100 ohm/100790 8 ohm/103541 4 ohm selected to suit your sound decoder) This is fitted within the model and wires soldered to the PCB where indicated. (SPKR+ and SPKR-)



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5. **Maintenance:** The model is designed using components and materials which require little maintenance, however we suggest that after every 100 hours running, a lubrication service is performed

using a light *synthetic* lubricating oil such as Dapoil or Locolube™ Mineral oil types or thicker oils may damage your locomotive and/or invalidate your warranty. When applying lubrication only 1 or 2 drops are required on the connecting rods, gear-train and axle bearings, take care not to over oil. sufficient oil will be carried from the gear train to lubricate the worm gear so body removal is not normally required for maintenance. All screws are all Phillips headed, we recommend a size 00 Philips driver to fully engage the screw heads.

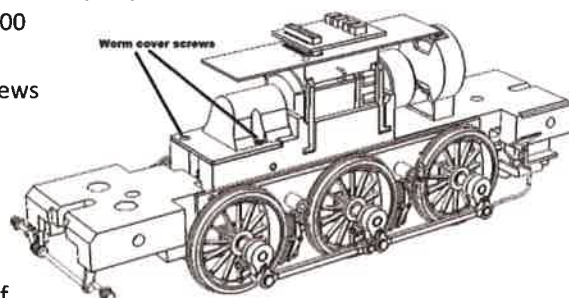
a. **Keeper plate** (access to axles and final drive gearing) Remove 5 screws indicated above.

b. **Body removal** (Access to worm gear):

i. Remove 2 body indicated above.

ii. The body will lift clear of the chassis. *Please take care to avoid damage to the wiring, which can be unplugged as required.*

iii. Remove the worm gear cover located under the PCB at the end of the motor (2 screws indicated right)



6. **Spare parts and servicing:** A range of spare parts, repairs and servicing for your model is available from DCC Supplies (01905 621999 www.dccsupplies.com).