Hints & Tips

**Locomotive will not run.**

If your locomotive does not respond properly to the power controller or runs poorly, please check the following points:

1. Ensure that the power controller is switched on and that all electrical contacts are made correctly and are secure.
2. If a power connecting clip or power track is used, please ensure that the connection to the track is correct.
3. Ensure that all track sections are fitted together correctly and that all ‘fishplates’ are tightly fitting to all other rails.
4. The locomotive is sitting with all wheels on the track.
5. Check that the power controller is set to operate in one direction or the other and not in the centre ‘OFF’ position.
6. Ensure that all of the locomotive’s wheels and moving parts are free from household dust, fluff and dirt accumulation. Any build up should be gently removed using a pair of fine tweezers.

**Track Cleaning.**

During normal operating conditions, the track on all model railway layouts accumulates dirt and dust on the running surface of the rails which can be transferred to the locomotive’s wheels and electrical pick ups.

**Important Safety Notes.**

Please read these operation and maintenance instructions prior to operating your locomotive.

This locomotive is not suitable for children under 14 years. It contains small parts which can present a choking hazard and some components have functional sharp points and edges.

Should a build up of dirt be allowed to accumulate, it can cause a locomotive to lose traction and ultimately cause power loss to the locomotive’s motor.

It is therefore essential to keep the track and locomotive’s wheels absolutely clean to ensure smooth running and reliability by using a track cleaning rubber which can be purchased from any good model shop.

**Locomotive body maintenance.**

Oxford Rail locomotive bodies are spray painted overall plus additional livery decoration applied by precision printing. The model also features separately fitted components.

Do not use any solvent type agents to clean the locomotive’s body or to remove any marks or greasy stains, as this will damage the locomotive’s livery.

The locomotive body can be kept clean if needed by a gentle buffing using a dry, soft, lint free cloth.

**Television Suppression.**

Oxford Rail locomotives should not interfere with your television or radio when in operation. Should interference occur, it may be due to the close proximity of your layout to receivers or aerials and their ‘downlines’. In this case, the layout will need to be moved further away to rectify this issue.
Oxford Rail locomotives are precision built using the highest quality components. If treated with reasonable care and with regular maintenance, the locomotive will give many years of good service. Please read the contents of this operation and maintenance sheet to ensure the best possible performance from your locomotive.

Fitting Brake Rodding & Couplings

Running In Period & Locomotive Lubrication

Oxford Rail locomotives are carefully engineered scale models and as such require a gentle running in period to be completed prior to normal operating conditions to achieve best results and optimum performance from all working parts.

Do not operate your locomotive on track which has been laid directly on to carpet as the fibres from the carpet or pet hairs can foul the locomotive’s working parts such as the motor or gears and may also wrap around the axles.

The locomotive will require periodic routine maintenance. After approximately 24 hours of operation the locomotive will require some light lubrication to maintain the locomotive in top operating condition. DO NOT use household lubricants as they can damage the locomotive. Ensure that you only use a recommended light engineering oil such as 3 in 1. Ensure that the oil is only applied to the moving parts as shown on the diagram below using an opened paperclip. DO NOT apply oil to the motor itself.

Any excess oil that may come into contact with the locomotive body should be removed immediately as this could damage the locomotive’s paint or decals.

To apply lubricating oil, open a paper clip as shown.

Removal of Locomotive body & DCC Socket location

If your intention is to install a DCC decoder into your locomotive, it is important to ensure that the locomotive operates correctly as a DC locomotive prior to DCC installation.

The DCC socket is located within the tender of the locomotive. To gain access to the DCC socket, the tender body will need to be removed as shown. Care should be taken when removing the tender body to avoid any unwanted damage to delicate parts.

After fitting the decoder and before replacing the tender body, test the locomotive to ensure that you have installed the decoder correctly. Once you are satisfied that the model is running perfectly replace the tender body. Do not over tighten the tender fixing screws.

Locomotive/Tender Draw Bar Adjustment

The Oxford Rail Class 2301 Dean Class locomotive is designed to operate on a 1st radius +371mm curved section of track. If required, the gap between the tender and the locomotive can be slightly adjusted by a simple adjustment of the locomotive/tender draw bar as shown below.