

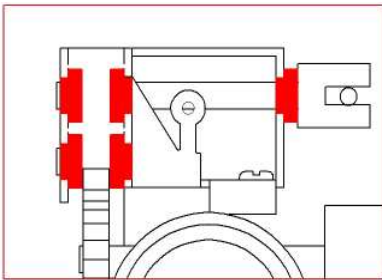


### Care & Feeding of Your In-Line Bogie

Your In-Line bogie has been lubricated and tested prior to delivery, so there should be no need to lubricate it for quite a long time. There are 9 brass bearings in a typical 2 axle In-Line bogie, and in common with all metal bearings, will benefit from a period of running in (see overleaf).

If it becomes necessary, please lubricate sparingly. Excessive lubrication creates areas that pick up and retain dirt, leading to increased wear.

Apply plastic compatible grease to the worm and worm gear through the small aperture in the bottom of each axle gear-case. A tiny drop of oil can be applied to the brass bearings on each axle. There are 5 bearings in the gear casing as shown in the drawing, shaded in red. Apply a tiny drop of plastic compatible oil to these, such as LaBelle 108.



Applying a small amount of grease to the spur gear train will help reduce noise, but please be aware that the speed of these gears can cause grease to fly off and cover the interior of the model.

Wheel cleaning is best carried out using a fibre-glass burnishing brush for nickel-silver wheels. For brass, use alcohol.

### Pick-ups

The pick-ups are made from hardened phosphor bronze and do not like to be bent too sharply or too often, otherwise they will break off. If this should happen, contact us and we will provide free replacement.

We have found that the pick-ups work very well when lubricated slightly. A minute amount of WD-40 placed on the end of the pick-up helps lubricate it to reduce wear and also improves electrical conductivity.

### Universal Drive Cup

The universal drive cup is designed to mate with similar components sold by Hollywood Foundry. These are intended to work with 1.5mm ground silver steel shafting. No lubrication of the universal joints parts is required.

### Earthing Lug

There is a small earthing lug on the side of the gearbox. This may be connected to your locomotive frame using a flexible wire if you wish. It is made of nickel silver, so it is possible to solder to it.

### Running In Your In-Line Bogie

Every In-Line bogie is fully tested and run at the factory before it is packed for shipment, but will always require additional running-in to obtain optimum performance.

All our bearings and bushes are fitted to close tolerances to provide best performance and quiet operation. There is no built in 'slop' as found in a lot of commercial mechanisms. Therefore these bearings need bedding in.

We recommend at least two hours fast running to run-in each In-Line bogie.

### Weighting

Most models will provide better adhesion, which results in greater hauling power, when weighted correctly. The construction of the In-Line bogie allows considerable weight to be carried.

We recommend that the model be weighted at a minimum of approx. 80gm (2.8ozs.) and a maximum of 450gm (16 ozs.)

### Sideframe Mounting

Each In-Line bogie is fitted with a polystyrene support for the pick-ups and also for attaching cosmetic side-frames for bogies.

This mount is designed with 'fingers' at different widths to accommodate various gauges. It is intended you cut off the fingers that are too wide in order to use the inner ones. As this part of the In-Line bogie is the only polystyrene part, it can be glued to with normal plastic cement or MEK.

**Warranty**

The In-Line bogie is warranted for 6 months against faulty parts or workmanship. Faulty units must be returned at purchaser's expense to Hollywood Foundry. Contact us for details. This warranty does not cover a bogie that has, in the opinion of Hollywood Foundry, been damaged or modified in such a way that has compromised its reliability. This warranty shall not diminish the rights of the purchaser as granted by consumer laws in other countries.

**WARNING:**

**THIS PRODUCT IS NOT A TOY. IT IS NOT TO BE SOLD TO OR USED BY CHILDREN UNDER 15 YEARS OF AGE. SOME SMALL PARTS PRESENT A CHOKING HAZARD.**

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