

Our Little Wickham...

So, here it is! Possibly the smallest self-propelled O gauge ready to run model... and isn't it sweet!

The journey for this model began in the Summer of 2020 and immediately, we were presented with a whole host of challenges.

Essentially, a scaled down Wickham (1:43.5) leaves very little room for a motor and gearbox to be hidden, never mind circuit boards, DCC chips and even a speaker! On top of that and because the model is so open, there isn't the space required to add weight for better traction.

All this resulted in a long and, at times frustrating period, whereby testing and developing the model took over a year of alterations, minor adjustments and eventually, celebrations!

We can now present you with a model which all at Ellis Clark Trains are proud of and we hope you're pleased with too!

History

Wickham Type 27 Inspection Trolley.
These diminutive trolleys were built by Wickham of Ware, the first of this particular type rolling out of the factory in 1948 for Nigerian Railways in Appa. In 1949 British Rail Western Region received their first Type 27A trolleys fitted with Ford 10hp engines. A large percentage of trolleys started their British Railways life for BR Western Region, but over time were repainted, sometimes even re-numbered and were still working the British Railway network right up to the mid 1990s if somewhat altered. A large number also entered preservation, and there is now a thriving rail trolley restoration scheme headed up by the Rail Trolley Trust who are dedicated to saving and restoring as many variations as possible of this small rail vehicle.

As well as British Rail, a number of private companies also purchased trolleys as did the British Ministry of Supply and the Royal Engineers. These trolleys eventually found their way onto the British Railways network as well. Many Type 27 trolleys were also shipped overseas, Hellenic State Railways ordering a very large number and many going to Africa and further afield.

Able to carry a crew of 8 including the driver and tow a couple of small wagons, these trolleys became a very useful addition to many railways, being cheaper to run than most other Permanent Way Vehicles. A useful feature of these trolleys was the ability to be manually lifted and turned on the track by means of a small portable turntable which they carried with them. They were often found in small sheds next to the track or parked up in sidings. Fitted with mostly Ford car engines, a gearbox and a reverser they were very easy to get spare parts for and to repair. They did however provide some hairy moments as they were only fitted with a handbrake that pressed wooden blocks onto the wheels and in wet weather this was often not highly effective. Trolleys were supplied with the option to have canvas side curtains but as these were fastened from the outside it was rare to have them down whilst in use.

Many trolleys were in time altered and changed, some even being converted to fully enclosed, or fitted out with plant support tools such as generators, with this in mind we have produced a number of trolleys unnumbered to allow customers a much easier time with alterations and repaints should they wish to do this.



@ellis_clark_trains



visit our YouTube channel

Get in touch!

ellisclarktrains.co.uk

info@ellisclarktrains.com | 01756 701 451

Unit 2, Toller Court, Shortbank Road, Skipton, BD23 2HG

Wickham Trolley

Maintenance and Operation
DCC Fitted & DC Models

1.1 In the Box

- 1 x Wickham Trolley
- 1 x Wickham Trailer
- 1 x Accessory Pack

This is a detailed factory built and finished scale model, which has some delicate parts. Care should be taken when handling this model. Please read through this information sheet before operating your model. Please read through this information sheet before operating your model.

1.2 Information

This model is designed for operation on Radius 2 and larger curves only, and should not be operated on any tighter curves.

The electronics of the DC Wickham are designed to run on a standard 12 volt DC power supply. Do not run this model on direct mains power.

1.3 Maintenance

Both the DC and DCC Fitted models collect power from the track and it is important that both your track and wheels are kept clean to prevent electrical and running issues. The model can collect dirt and fluff on its pickups over time and these should be carefully cleaned and maintained.

Do not run your model on track laid upon a carpet as this can allow fibres, hairs and dust to get into the gearing which could cause your model to stop working.

This model is intended for indoor use only. Do not clean your model with abrasive or alcohol cleaners, as this could damage the paintwork.

1.3.1 Lubrication

The Wickham requires very little lubrication. Only light machine oil should be used and this should be applied where shown (*Diagram 1*) with a needle tipped lubricator. Do not dismantle the model to lubricate as there is access to either side of the base plate, located just behind the axles see diagram

The model is fitted with a high quality coreless motor, which may make more noise than normal on older low frequency pulse-width modulated controllers (or PWM for short).

We recommend running on newer control systems, or on systems where PWM can be switched off failure to do so will cause the motor to suffer damage.

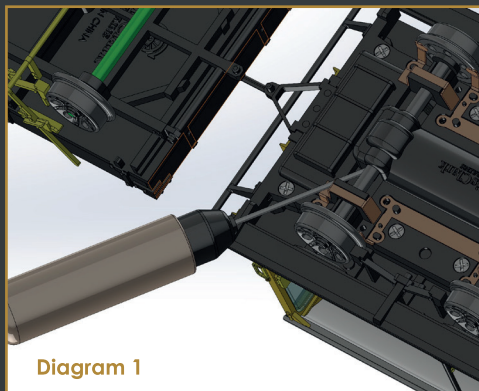


Diagram 1

1.4 Operation

1.4.1 DC Models

The DC (DCC Ready) Wickham is fitted with a Next 18 Interface with a blanking plate installed. There is no speaker, stay alive or chip fitted in this model.

The recommended chip for this model is a Zimo MX659N18.

The model is fitted with a high quality coreless motor, which may make more noise than normal on older low frequency pulse-width modulated controllers (or PWM for short). It is recommended that it is run on newer control systems, or on systems where PWM can be switched off or the motor may suffer from damage.

1.5 Spares & Repairs

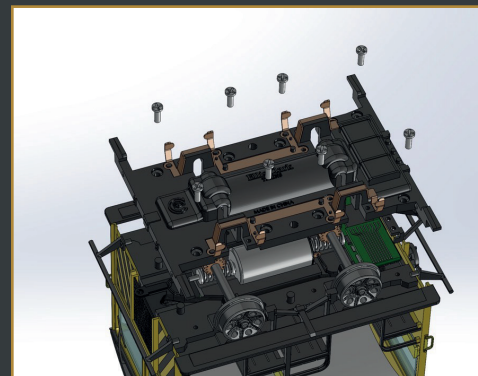
Accidents happen - we're here to help!

If you require any spare parts, please get in touch with us and we will happily supply these free of charge. If your model is in need of repair, please contact us first so we can advise you on how to return it safely back to us.

ellisclarktrains.com | Info@ellisclarktrains.com
01756 701451

1.6 Chip Fitting

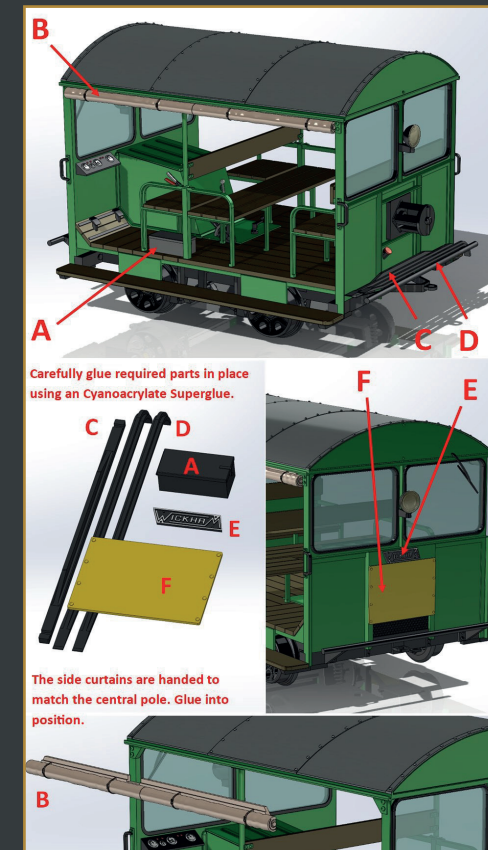
In order to fit a DCC chip to the DC (DCC Ready) model, the base plate will need to be removed. Please see diagram for how to do this.



The interface board is in the rear of the model and to fit a chip you will have to remove the blanking plate and replace it with the chip. Speakers and stay alive will have to be added separately to the front board. Ellis Clark Trains are not responsible for damage caused whilst fitting digital chips to DC versions of this model.

1.7 Accessory Pack & Detailing Parts

These parts are supplied to be fitted if required. 1x toolbox, 1x front plate, 1x Wickham Logo, 2x turntable rails, 1x turntable center and 1x left and 1x right handed curtain.



Carefully glue required parts in place using an Cyanoacrylate Superglue.

The side curtains are handed to match the central pole. Glue into position.

For Further Helpful Information:

