



## **N Gauge Society Kit 29 7 Plank Private Owner Dorman Long NGSK0292**



The kit has been designed for beginners to be as easy as possible to make. It is a great introduction to kit building with which you can gain confidence to try building other kits.

Kit contains injection-moulded body, one-piece plastic chassis, wheels couplers and transfers

*To complete this kit you will need: Glue, Paint & Varnish*

This is not a toy. Only suitable for persons over the age of 14. May contain small parts and sharp edges. Keep away from small children.

### **Prepare The Sides Of The Wagon Body**

The wagon body has been moulded in white plastic to provide the optimum base colour for the transfer. Since transfers adhere best to a gloss surface, it is recommended to apply a gloss varnish (or Johnson's 'Klear' floor shine) to the sides of the wagon body.

### **Apply The Transfers**

The transfers can be cut from the sheet using scissors but the best way is to use a knife (or scalpel) and a steel ruler. Place the ruler over the coloured part of the transfer so as to cut on the outside (in case the knife slips, this does not damage the transfer).

Immerse the transfer in a dish of warm water for a few seconds (distilled water is best, or simply water from the kettle that has been boiled and allowed to cool). Remove and drain off the water, lay on a flat surface and then use the tip of a cocktail stick to check that the transfers will move free of the backing paper – if not, return to the water and repeat this step.

Once the transfer moves, place it on the model and use the tip of the cocktail stick to hold one end to the model while pulling the backing sheet away with tweezers. There should be time to make a few adjustments as necessary. Press down gently with a clean paper towel to remove any water and air under the transfer and to help it to form over detail such as the framing on the side of the wagon body.

Leave the transfers to dry for half an hour and then apply a 'decal setting solution' (such as Micro-Sol) if required which will help the transfers to lie and form over detail such as the framing on the side of the body. Leave the transfers to dry overnight.

### **Getting Started**

Read the instructions thoroughly all the way through. It is recommended that you adhere to the suggested order of assembly, though with experience, you may choose to deviate.

### **Suggested Order of Assembly**

It is suggested that you complete the model in this order:

- Prepare the sides of the wagon body (varnish)
- Apply the transfers
- Paint the inside of the body
- Paint the ends of the body
- Varnish the wagon body
- Fit body to the chassis
- Fit the wheels

***But above all .... TAKE YOUR TIME!***

The N Gauge Society is grateful to member Robbie Burns of Robbie's Rolling Stock for permission to use his transfers in this kit. Visit [www.robbiesrollingstock.co.uk](http://www.robbiesrollingstock.co.uk) to view and purchase the entire range of transfers for N Gauge wagons.

## Paint The Rest Of The Wagon Body

Paint the inside of the wagon body a light brown to represent unpainted wood. Paint the ends of the body matt black. While not strictly necessary as the chassis is moulded in black plastic, a coat of black paint or matt varnish on the sides and buffers of the chassis will give a more realistic finish.

Apply a coat of varnish to seal the transfers to the model. For an 'ex-works' finish (as if the wagon has just been painted) then use the same gloss varnish (or Johnson's 'Klear' floor shine) as used at the beginning and also varnish the ends for the same 'glossy' finish. Otherwise, use a matt varnish to represent a wagon that has been in service for several years.

## Fit The Body To The Chassis

Place the couplers into the coupler pockets on the chassis then test fit the body onto the chassis (do not glue it on yet!). Remember to place the metal weight between the body and the chassis. Note that in the diagram, for clarity, just one coupler is shown but both couplers will need to be fitted.

The moulded plug on the underside of the wagon body should ensure that the couplers are level. However, if the couplers are pointing up then slightly shorten the plug with a piece of fine sandpaper; if the couplers are drooping down then shim the plugs with a piece of paper.

Note that the plug is white and will be visible when the wagon is viewed end-on, so it is advisable to paint it black.

Once happy with the fit of the body to the chassis, glue the chassis to the body. Place small quantities of glue around the two spigots that go through the chassis (not too much or it may ooze out at the sides). The best glues are superglue or a two-part epoxy glue (such as Araldite).

If this kit comes with the chassis kit that contains two small hexagonal nuts, these can be screwed on to the spigots where they protrude under the chassis and they will hold the body on without any need for gluing. However, this can be quite tricky as the nuts have to thread the spigot. Do not over-tighten as this can snap the spigot off.

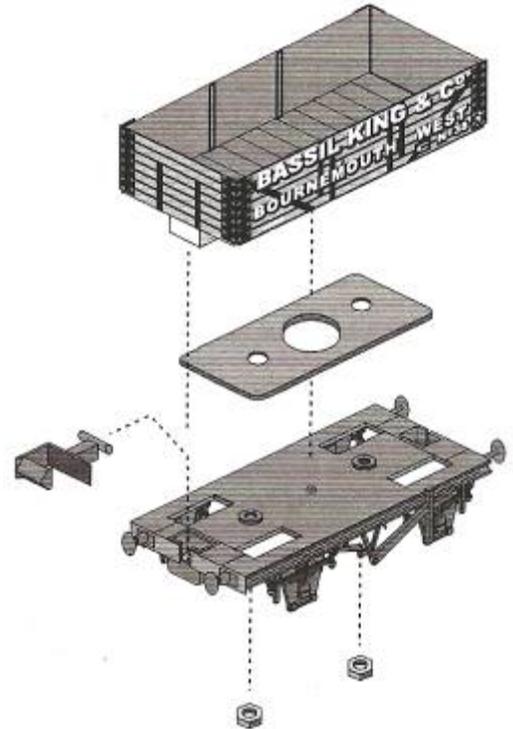
One final option for fixing the body to the chassis, which does not require any glue, is to touch a hot soldering iron to the spigots, which will melt the plastic of the spigot to the chassis. This requires care and just a light touch of the soldering iron to avoid any damage to the rest of the chassis.

## Fit The Wheels

To fit the wheels, place the end of one axle in an axle cup on one side, then place the other end over the axle cup on the opposite side.

Use a small screwdriver to gently ease the chassis away from the wheel until it drops into the axle cup. Note that one side of the chassis above the axle cup has a slight groove for the pinpoint of the axle to slide through which makes this operation easier.

Check for free running – sometimes, the axles can be a bit stiff, but swapping the axles or reversing them seems to cure this.



***Congratulations! Your model is now complete.***