

## The Prototype

The 12 ton van was introduced in 1903 with full diagonal strapping, a mixture of vertical and horizontal boarding and a sliding roof door. From 1906 the full diagonal strapping was replaced by small corner plates, vertical planking was introduced. After 1911 the sliding roof doors were replaced by tarpaulins and the end cross members not fitted. Some vans had a roof doors extending across the full van width whilst others only half the width. This kit represents a version of the van built from 1908.

Many thousands of these vans were built, being the most common pre-grouping van passed over to the new LNER in 1923. In 1940 some 4000 were still running of which 1900 passed to British Rail.

These wagons traveled throughout the country and were a common sight in goods yards nation wide.

## References

North Eastern Record Volt 2 P88/89  
LNER Wagons P Tatlow P25.

## Interested in the North Eastern Railway?

Contact the North Eastern Railway Association.  
The Membership Secretary  
c/o 8 Prunus Avenue  
Willerby  
Hull  
HU10 6PH

## Acknowledgements

51L would like to thank the following for the help and assistance in preparing this model:-  
Michael Grocock, David and Clare Williamson.

## Sample numbers

Running numbers include:  
3507/21/41/58/61, 6052, 6548, 74745/53/65/94/96,  
748054/4/19/20/28/32, 108322-721, L852-927, (121125-131 & 121238-245 from 1927)

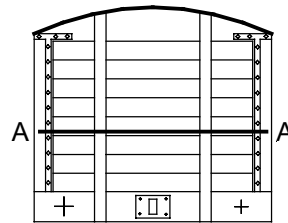
# North Eastern Railway London and North Eastern Railway British Rail Diagram G2 Covered goods wagon

from 1903 to mid 1950's  
For OO, EM, P4 and S4

**Features:** white metal body and detailing parts, formed plastic roof  
**Requires to complete:** split spoke wagon 12mm wheels paint, couplings, transfers

## Assembly

Please read these instructions before starting to build your kit. Examine all the parts and familiarise yourself with their assembly. Remove any moulding flash and ensure all parts fit correctly. Drill out 0.5mm holes in the ends for the end handrails. These are pot marked of the interior surface of the ends and also on the side exterior. See attached sketch.



End handrail detail

Bore out the step holes (0.7mm) located in the solebars beneath the door position and the door handle holes (0.3mm) located to the right of the doors. Check the fit of the wheel bearings and bore out the axleguards/axleboxes if required with a 2mm diameter drill.

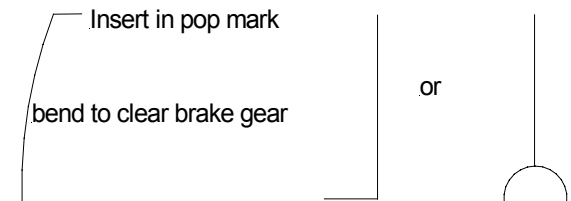
Assembly is best carried out using low melt solder or an epoxy resin such as Araldite. For small parts use Superglue

Attach the axle boxes to one of the sides using the solebar details for alignment. Ensure they are square and at 38mm centres. Do not repeat for the other side yet. Fit the ends to this side, ensuring all is level and square. Carry out a dummy run with the second side. Fit the second side and again check all is square using a flat surface such as a glass sheet. Prepare the second axleguard set for assembly. Ensure the axles are held securely but not tightly in place by the bearings, glue the bearings in place using a Superglue. Attach one axleguard in place with axle ensuring it is square. When satisfied repeat for the second axle. If required gently tweak the wagon to bring all four wheels into contact with the glass surface. Cut the plasticard floor to shape and glue into the wagon interior. Fit the buffers to the ends with the bolts at the 12 o'clock, 6 o'clock and 9 o'clock positions. Form the end hand rail using the 0.5mm wire. The hand rail should be attached to the end stanchion using a loop of fine wire, eg 3 amp fuse wire, twisted around the hand rail wire and pushed through the stanchion hole and attached on the end interior with solder or Araldite.

Fit the brake shoe/safety loop assembly. Make the brake cross bar from the 0.7mm wire so that it fits between the V's. Thread the cross bar through the V's and brake shoe assembly. Attach the brake levers in place ensuring the plain lever goes to the brake shoe side of the wagon.

Cut the plasticard roof to size, and glue in place. If fitting a roof door add the cast curved roof door edge strips. A canvas roof can be simulated from fine tissue or textured paper cut to fit between the roof door strips. Solvent fix the paper to the roof ensuring it overlaps the sides of the wagon. Fit the end roof support cross members if required.

Form the steps from 0.5mm wire, there were two distinct types, one a plain bar the other a shoe toe shape, both were suspended from the solebar, in a section of 'strapping' immediately beneath the right hand side of the door. A pot mark will be found at this point.



Lastly fit door grab handle using 0.5 mm wire supplied. This is adjacent to the right of the drop door and is pot marked. The wire requires bending to a U shape and inserting.

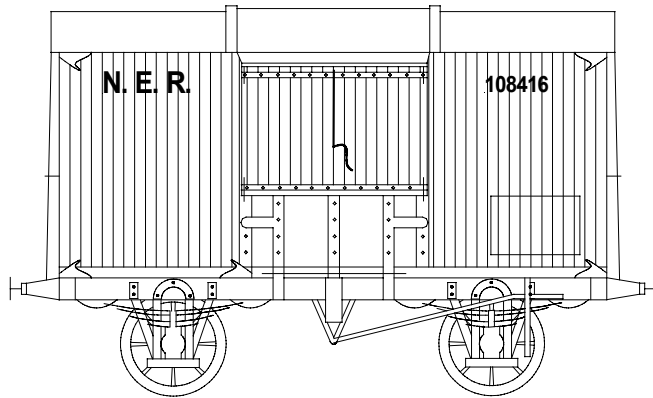
## Finishing

Clean and degrease the model, using white spirit prior to painting. For white metal parts use an etching primer, such as Precision Paints PS1.

## Livery

Letter your wagon to suit your period. Suitable lettering is available from HMRS, Modelmaster and Pow Sides; paint from Precision Paint for the NER, LNER and BR periods.

### North Eastern Railway 1903-1911



bodywork, and solebars   NER grey  
Precision Paint P530  
Underframe/brake lever   black  
Roof: white turning to grey/dirty black  
Letters and numbers       white  
Pow Sides sheet E265

## Wizard Models

Wizard Models stocks a wide range of components, paints, transfers and other necessities for the 4mm modeller in OO, EM and P4. A full price list, for 50p + SAE can be obtained from: -

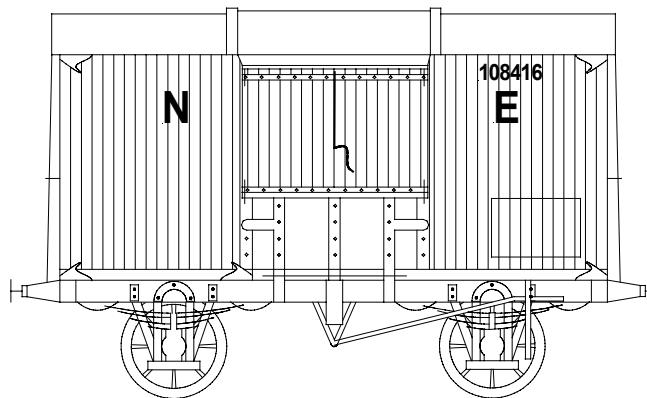
Wizard Models.

PO Box 225, Macclesfield, Cheshire. SK10 4GB

Tel / Fax: 01625-585312

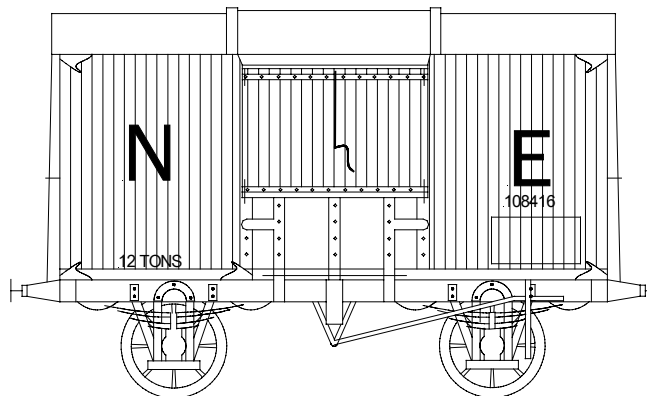
Email: [sales@wizardmodels.co.uk](mailto:sales@wizardmodels.co.uk)

### North Eastern Railway 1911-1923



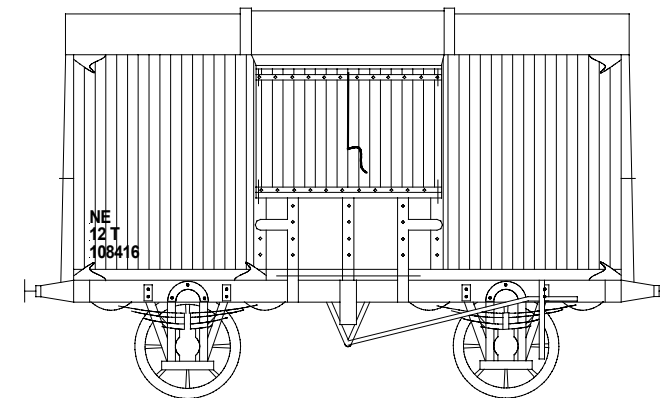
bodywork, and solebars   NER grey  
Precision Paint P530  
Underframe/brake lever   black  
Roof: white turning to grey/dirty black  
Letters and numbers       white  
Pow Sides sheet E265, Fox FRH 4325

### London and North Eastern Railway 1923-1937



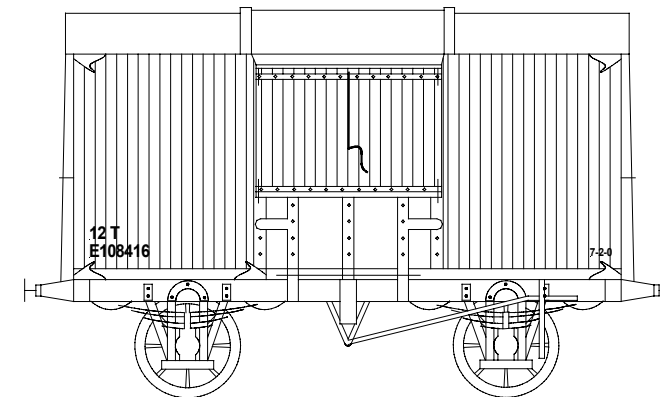
Bodywork, and solebars   LNER grey precision Paint  
Underframe/brake lever   black  
Letters and numbers       white  
HMRS sheet 12, Modelmaster Sheet 4702

### London and North Eastern Railway 1937-1948



Bodywork, and solebars   LNER grey precision Paint  
Underframe/brake lever   black  
Letters and numbers       white  
HMRS sheet 12, Modelmaster Sheet 4702

### British Rail 1948 to demise



Bodywork, and solebars unpainted timber or grey  
Precision Paint P126  
Underframe/brake lever   black  
Letters and numbers       white on a black patch  
HMRS sheet 25

The current version of these assembly instructions are available on the 51L website: [www.51l.co.uk](http://www.51l.co.uk). For further help or information please email: [info@51l.co.uk](mailto:info@51l.co.uk)

For details of 51L kits and components see:  
[www.51L.co.uk](http://www.51L.co.uk)

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