



The 4mm wagon and van kit

NBRD055

North British Railway
London & North Eastern Railway

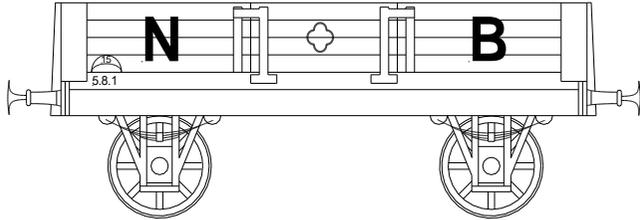


Diagram 55 (SSA 5B) 8/10T Centre Door Wagon

Period: 1905 to 1940s
For 00, EM, P4 and S4

Features: white metal wagon kit, buffers with steel heads

Required to complete: split spoke wagon 12mm wheels, bearings, paint, transfers, three-link couplings

The Prototype

A stalwart of the North British general merchandise fleet, these centre door open wagons were rebuilt from fixed-sided wagons between 1905 and 1916. At first rated at 8T, many were uprated to 10T. This type of wagon generally had a working life of around 30 years and most therefore would have been scrapped by the late thirties. A few may have survived the Second World War.

Whilst their main area of activity would have been the industrial areas of Scotland and the Border counties of Northern England it would not have been unusual for them to venture further south.

A useful general merchandise wagon, which would have been used for the transport of all manner of materials and finished goods in crates and barrels.

References

British Goods Wagons from 1887 to the present day, R Essery, D Rowland & W Steel

Wagons on the LNER North British No1, J Hooper p31

NBR Wagons some design aspects, G W M Sewell p12

LNER Wagons – an Illustrated Overview, P Tatlow p12

LNER Wagons Vol 3, P Tatlow pp12-13, 16

Interested in the North British Railway?

North British Railway Study Group
www.nbrstudygroup.co.uk

Assembly

Please read these instructions before starting to build your model. Examine all the parts and familiarise yourself with their assembly. Remove any moulding flash and ensure all parts fit correctly. We suggest wet fine emery paper (1200 grit) to clean up flash marks. Carry out a dummy run before assembly. Assembly is best carried out using low melt solder or an epoxy resin such as Araldite. Glues like UHU, Multibond or Thixofix can also be used. For small parts use superglue. To obtain the best results a combination of several techniques will be needed.

Check the fit of your chosen wheel bearings in the axleguards, drilling out if necessary. Just tack them in place for now, in case they need to be adjusted later. Fix two axleguards to one side, aligning the inner ends of the spring hangers with the inner edges of the vertical plates on the solebar. This should ensure the axle spacing is the correct 36mm (9'). Now assemble the body: properly join one end to the side with the axleboxes, and tack the other end to the other side. Bring the two halves together and tack them to each other. Ensure all is level and square, and properly make the three remaining joints. Take one of the remaining axleguards and tack it to the body, trapping a wheelset in place. Ensure the wheels are firmly supported and run freely (adjust the bearings if needed – use 8BA washers

as packing if they are too far apart), and that the axle is horizontal and perpendicular to the side. Do the same for the last axleguard and wheelset, ensuring that the axles are parallel to each other. When satisfied, properly fix the bearings and axleguards in place. Again, check that the wagon is level and square. If not a gentle tweak will ensure that all four wheels are in contact with a flat surface such as a glass sheet.

Cut the embossed plastic floor to shape and fix in place. Fit the buffers so that the bolt heads are at the 3, 6, 9 and 12 o'clock positions.

Fix a single brake shoe to each side of the wagon followed by a brake lever.

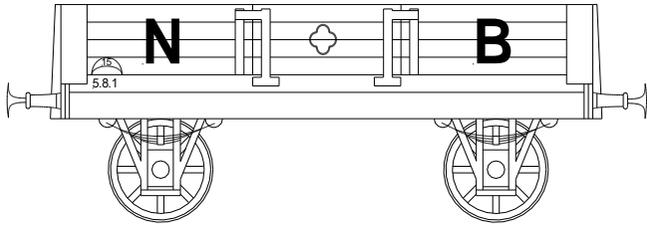
After painting and lettering fit three-link couplings.

Finishing

Clean and degrease the model, using white spirit before painting. For white metal parts use an etching primer, such as Precision Paints PS1. The model should be painted using the livery of your choice (see over). After painting clean the model using a tissue soaked in white spirit. This is especially important if you are using dry lettering such as Powsides rather than waterslide or 'Methfix' transfers.

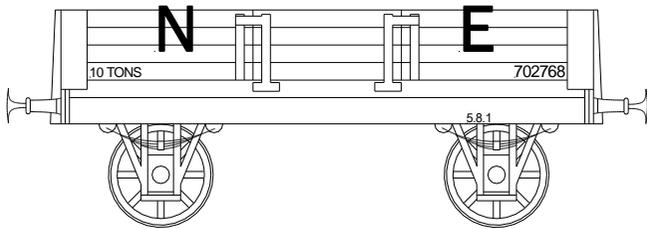
Livery

North British Railway 1905-1923



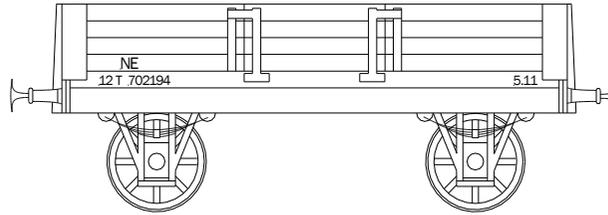
Bodywork, solebars: grey, Precision Paint P679
Buffers, drawgear, running gear and sometimes body ironwork: black
Insignia: white, HMRS sheet 20

London & North Eastern Railway 1923-1937



Bodywork, solebars: LNER grey, Precision Paint P66
Underframe, brake levers: black
Insignia: white, HMRS sheet 12, Old Time Workshop sheet 4702

London & North Eastern Railway 1937-demise



Bodywork, solebars: LNER grey, Precision Paint P66
Underframe, brake levers: black
Insignia: white, HMRS sheet 12, Old Time Workshop sheet 4702

It will be appreciated that many wagons would not have been repainted by the LNER and would remain in a weathered pre-Group livery or weathered timber. It is very unlikely that any of these wagons would have been repainted into the later LNER livery.

Sample Numbers

1132, 1403, 2194, 4107, 4202, 5814, 7598, 8767, 10688, 10754, 12909, 13234, 13867, 14014, 17654
The LNER added 700,000 to the NBR numbers.

Acknowledgements

51L thanks members of the North British Railway Study Group for their help in preparing this model.

A later version of these assembly instructions may be available on the Wizard Models website. For further help or information please email:
andrew@modelsignals.com

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Wizard Models

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Version: 5.00

Issued: November 2020

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