



MIDLAND CARRIAGE WORKS

MIDLAND RAILWAY D379 MEAT VAN



HISTORY

A total of 203 Meat Vans were built between 1881 and 1896 to D379. While they were nominally to the same design, several detail differences are apparent from photographs.

The first batch, built in 1881 were turned out in lined passenger livery and numbered 61-72. All however, were scrapped by 1905.

The remaining 190 vehicles were built for goods traffic, painted in goods livery and numbered in the goods wagon list. Known numbers were 35468, 5817, 35463.

Withdrawal of the goods vans began c. 1910, however, between 100 and 150 survived into the LMS period. The exact date of withdrawal of these vehicles is uncertain. They had been replaced as meat vans by 1925, but it is possible that some may have survived beyond this date in departmental use. It is not known if any received LMS livery.

For further information see "An Illustrated History of Midland Wagons Vol. 1 by R.J. Essery

LIVERY

The first batch, built in 1881 were turned out in lined passenger livery and numbered 61-72. All however, were scrapped by 1905.

The remaining 190 vehicles were built for goods traffic, painted in goods livery and numbered in the goods wagon list. Known numbers were 35468, 5817, 35463.

All below the solebars / headstocks was black with the exception of the wooden wheel centres which were sometimes painted Indian Red. The roof was grey in service.

Further information about liveries can be obtained from "An Illustrated History of Midland Wagons Vol. 1 by R.J. Essery". Information about lettering positions and styles employed can be obtained from the Historical Model Railway Society.

GENERAL

This kit is originally from the stable of Janick Models. It has been modified and upgraded and is continually being improved.

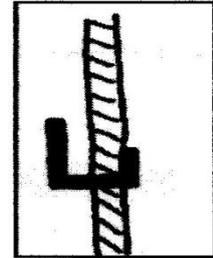
Please read the instructions all the way through before commencing assembly and familiarise yourself with the accompanying diagrams.

Whilst every effort is made to ensure this kit leaves our premises in good condition and complete, occasionally errors do occur, in the event of complaint, please contact us at the address at the end of these instructions.

CONSTRUCTION

Body

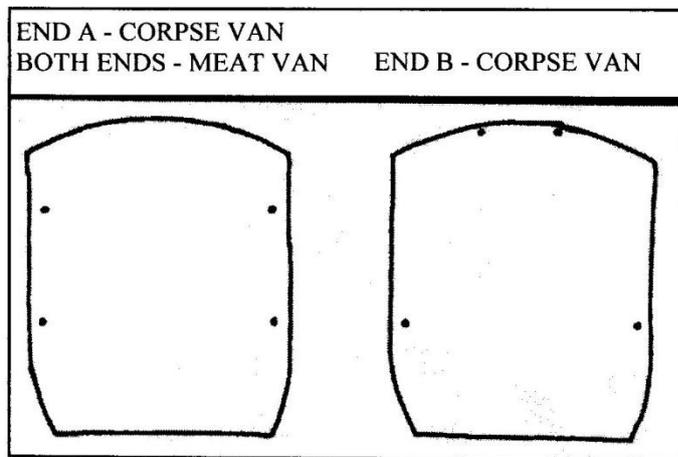
Remove the sides from the fret and curve the tumblehome and fold down the upper tab to 45 degrees and the bottom tab to 90 degrees. Fold up the hinges to 90 degrees, push through holes and solder to the sides from behind. Trim the hinges from the front as required.



Take the ends and cut along the upper half-etched lines and discard the etched buffer beams **if using the cast ones provided**. Drill out the holes (0.7mm) in the body for the handrails, in the positions marked by the half-etched dots, as per the diagram below.

Fold up tabs of lower lamp irons to 90 degrees, push through the holes in the ends and solder from behind. Fold the lamp irons, once soldered through, 90 degrees as per diagram, form to correct shape.

Solder ends to the sides to make the box of the body. Ensure all is square and that the beading at the bottom of the sides and ends match up.



Chassis

Raise the rivet detail on the solebars and fold to 90 degrees along the etched lines. Add half-etched detail above the hole for the footstep hangers. Solder to the underneath of the van sides using the slots provided for the tabs.

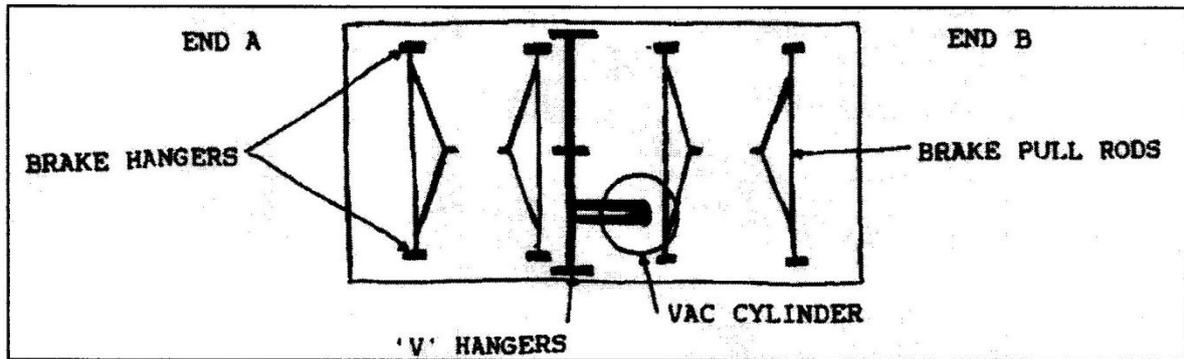
Later versions of the Meat Van carried a short lower step. If modelling this version, only the two centre half-etched detail pieces are required. See photograph in "Midland Wagons".

Fix the buffer beam castings to the ends if being used.

Take the cast W irons and drill them to take the wheel bearings. Fix these in place and the W irons to the body in the positions indicated on the underneath by the half-etched lines.

Laminate together the brake hangers and shoes. Drill through the brake shoes 0.8mm, using the holes in the hangers as a guide. Solder the completed assemblies in the slots provided, either side of the wheels.

Solder the V hangers in the left hand slots of the floor (with the Meat Van either pair of slots will do).



Cut a 44mm length from the fret scrap and solder in place between the solebars, to the right of the V hangers. This is for mounting the vacuum cylinder.

From the 0.9mm wire provided, cut a length 40.5mm long. Fold up the brake and cylinder cranks and thread onto the wire so that the brake crank is in the centre and the vacuum cylinder crank is nearest the front, with end B to the right.

Solder the wire to the V hangers. **DO NOT SOLDER THE CRANKS YET.**

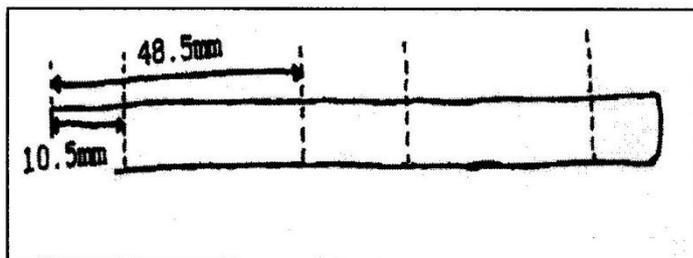
Drill a 0.5mm hole in each of the triangular brake pull rods. Fix one in position between each pair of brake hangers. Join up the outside pull rods with the 0.5mm wire provided, along the centre line of the van. Twist the end of the inner pull rod 90 degrees and solder to the wire. Check for free running.

Take the upper footboards and insert the tabs through the holes provided, solder in place.

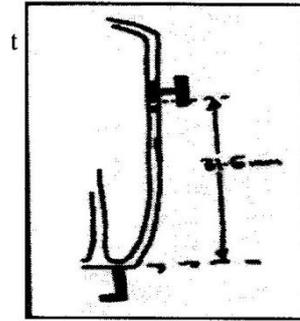
Fold the lower footboards to 90 degrees along the half-etched lines. Scribe four lines on the underside of the footboards, in the position indicated by the diagram. Join the two boards together with 48mm lengths of the 0.7mm wire. Cut down the centre of the wires, fold the wire 90 degrees and fix in the holes on the underside of the solebar.

As mentioned above, later versions of the Meat Van had a short, central lower footstep.

Cut two lengths 25mm long from the lower footstep etches. Round the corners with a file, then proceed as above.

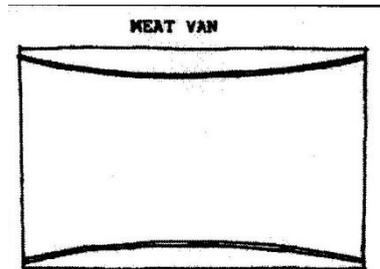


Raise the rivet detail on the lamp irons and solder in the positions indicated on the diagram. Fold the lamp irons 90 degrees to the end (see photos).



Solder the roof in position, making sure that it is square and that the overhang at each end is the same.

Rainstrips can be made from the 0.7mm wire provided.



Grab handles on the ends can be made from the 0.7mm wire. Fix cast buffers to the buffer beam and add coupling hooks of your choice.

Door handles are best left off until after the model has been painted.

The appearance of the sides can be improved by adding locks (use the 0.9mm wire for this) and by scribing lines on the panelling for doors.

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