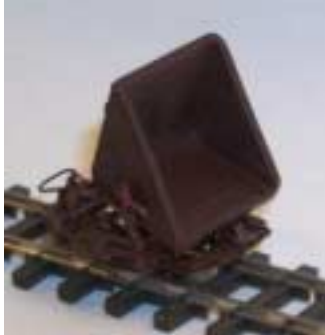


OO9/HOn30/HOe Wagon Kit End Tip Kit Bash Kit

Nigel Lawton 009

9mm gauge

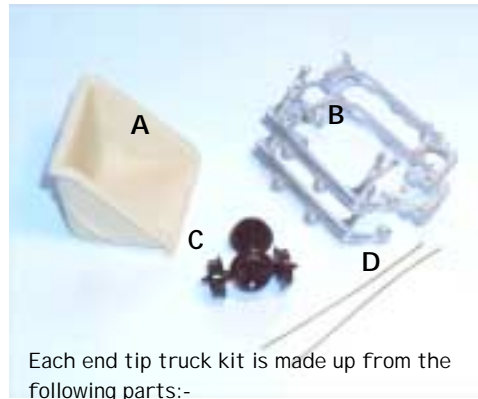


<http://www.geocities.com/nigellawton009/VeeTipper.html>

Warning

Note that this is not a specially designed kit but a set of parts which can be modified to build the item shown

Design Copyright Nigel Lawton 2001
This is not a toy but a scale model and is not suitable for children



Each end tip truck kit is made up from the following parts:-

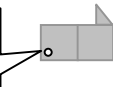
- A) 1 x Vee skip resin casting.
- B) 4 x half-chassis whitmetal castings.
- C) 2 x 5.1mm 9mm gauge wheelsets.
- D) 2 x 30mm lengths of coupling loop wire.

Whitemetal is toxic and should not be ingested or used in areas where food is prepared.

Please read all the instructions before starting to assemble the kit. The kit contains parts to build a standard Vee tipper along with a second set of chassis castings. In the prototype end tippers were often made up locally by combining parts from two tippers. All of the chassis castings need to be modified. Take care when modifying the castings to always support the area being cut. I suggest using a sharp craft knife or heavy scalpel and a wooden surface. Two of the chassis castings, which will be used as the lower frame with wheels, need to have the skip support cradles removed. The other two, which will be used as the upper frame supporting the skip, need to have their axleboxes and inner coupler extensions removed.

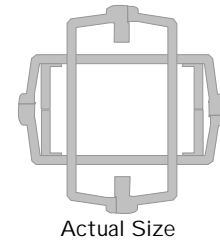
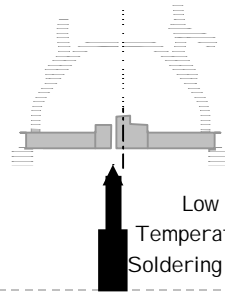
Having modified as suggested the cleaning up of most of the chassis should be left until the two halves are assembled as the unassembled castings are quite fragile. The only areas you need to clean up before assembly are the edges of the half-couplings and cradles which are where each pair of two half-chassis are joined. Use a small flat file to remove any roughness being careful to keep all surfaces square.

Drill 0.5mm hole



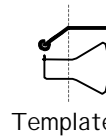
Next drill out the coupler pivot holes on the lower frame with a 0.5mm drill in the locations shown.

Each pair of two half chassis are best joined with lowmelt solder but superglue can be used. I suggest clamping the soldering iron in a vice or '3rd hand' and having pre-tinned the chassis parts both on the couplers and the underside of the cradles assemble them over the soldering iron as this allows them to be carefully mated to give the best alignment of the frame. The assembled chassis can be compared with the actual size plan shown here. Check and if necessary adjust the alignment and overall dimensions - just place your



assembled frame onto the plan.

The wheels can be assembled as the two lower chassis halves are joined if you can muster enough fingers for the job, however I find that the chassis can be carefully bent out and back enough to insert the wheelsets after the two half chassis have been joined but before assembling the two joined frames to each other. If you take the superglue option you will probably not be able to do this. Clean up the solder joints with a small file and fill any cracks particularly on the couplers with solder or filler.



Bend up and fit the coupler loops using the wire and template provided.

Blacken them with an indelible black marker.

Alternatively you can use most proprietary coupler loops.

Remove any flash and sprue from the Vee skip part of the truck. This can be superglued in place. If you want to improve the appearance of the support brackets you can drill out the round sections at each end with a 0.5mm drill. The skip can be assembled to the chassis in either normal or tipped positions.

