

Masterclass Models MR D730/LMS D59A Traction Truck

In 1912 10 traction trucks were constructed to D730. The LMS built a further 125 to the same design, the last in 1939. So many remained at nationalisation, that (unlike the Lowmaccs) BR constructed only a handful of the type, which it classified as Hymac.

Numbering schemes:

Diagram	Built	Number	Numbering and Notes
D730 (Drawing 4069)	1914 Derby	10	Examples: 117558/60/1/5/6/7/9/70
P59	1929 Wolverton	40	189431-189470 Built to MR diagram above
P59A	1931-7 Derby	75	299856-299875 700400-700454
P59B	1939 Derby	10	700455-700464 Fully fitted

Assembly instructions

Parts required

- 1 x Traction truck etch
- 4 x 2-041 Rolling stock axle bearing cups
- 2 x 2-201 5.25mm plain disc wagon wheels
(MR built wagons had spoked wheels but these are not available).
- 4 x 2-443 Plain wagon buffers (or similar according to prototype).

0.3mm brass or nickel silver rod
solder and tools

General

Certain parts of the etch are very delicate, and therefore care is needed when cutting both them and adjacent parts out. Spares are provided of certain small or delicate items.

Although it is possible to assemble the kit using superglue, for these instructions soldered construction is assumed.

Unless otherwise indicated, fold lines for 90 degree folds are on the inside of the fold, for 180 degree lines on the outside of the fold.

Parts on the etch are numbered. An enlarged picture of the etched fret is provided for clarification. Study this and the instructions carefully before beginning assembly.

Assembly

1. Cut out the main underframe unit (part 1) and solder four axle bearings into the recesses provided. Do not fold up the underframe unit at this stage.
2. Using the bearings as locators, solder the solebar overlays (part 2) on to the underframe unit, ensuring the slots in the two parts line up.
3. Solder the axleguard overlays (part 3) and solebar plates (parts 4) onto the assembly. Please note that these parts are spaced on the etch so that all these parts can be soldered to the assembly at the same time. **Therefore only cut out the axlebox layers after you have soldered them to the underframe assembly.**
4. Similarly solder two layers of axlebox/spring overlays (parts 5) to the assembly.
5. Fold up and solder the axlebox layer 3 and 4 etches (parts 6), file off the remaining tab, and locate in place. Ensure you have them nice and square. Spares are provided in the case of mishap.
6. Now fold up the underframe assembly, sides first and then ends. Insert the wheels into the bearings and check for free running. Remove them again.
7. If necessary, clear the slots in the solebars using a piece of scrap etch.
8. Bend up the floor (part 7) to match the profile of the underframe assembly. Solder in place, ensuring it is correctly located.
9. Add the floor side lips (part 8) to the sides of the floor. Note they have a lip which sits over the floor edge.
10. Solder the bufferbeam etches (parts 9) to form two bufferbeams 1mm thick. You might prefer to form bufferbeams from 1mm plastikard. Fix these to the ends of the underframe, ensuring they are sitting flush against the ends. Add the coupling housing cover (part 16) and coupling hook (part 17).
11. Insert the cross members (part 10) into their respective slots, ensuring they are sitting snugly to the bottom of the floor.
12. Bend up the numberplate supports (part 11) into an L shape and solder to the underside of the floor. Solder the numberplates (part 12) to the front of these.
13. Small etches for roping points (parts 13) are provided. These solder into slots in the underside of the floor. Spares are provided in the case of mishap.
14. Fold up the brakes (part 14) fit into the slots in the underframe and solder.
15. Fold up the brake levers (parts 15). The wagons had double sided brakes, with two V hangers on each side of the wagon. The outer one should be carefully cranked outwards by inserting a scalpel between the two. Then a piece of 0.3mm wire should be threaded through the V hangers and the brake lever. This should not run across the wagon.
16. Fit buffers.

References

1. An Illustrated History of Midland wagons Vol 2, Essery, OPC 1979