

## C27 ETCHED WAGON CHASSIS 9' or 12' wheelbase

This chassis etch is intended as a free running alternative for RTR and kit running gear, or for scratchbuilt wagons. It is not designed for compensation or springing. Please note that bearings are not provided.

The kit provides for 9' and 12' wheelbases. A method of adapting for other wheelbases is given later, although 10' (pack C28) and 15'/16'/17'6" (pack C29) are already catered for. Push brake etches are provided for the 9' version, the most common.

### Chassis assembly

Drill out or open up the bearing holes (2mm for Wizard's 40001, 40002, BPP001 and BPP002 bearings) and solder in the bearings from the half-etched side. Bend up the bearing supports and the other tabs towards the half-etch. Check that they are at right angles to the base and reinforce with a fillet of solder. If you are using the brake gear supplied, solder it inside the central tab for 00 gauge and outside for EM/P4. Spring in the wheels.

### Suggested method of use

#### RTR wagons

Discard the RTR chassis and replace it with a kit chassis of the appropriate wheelbase, such as those available from Parkside Dundas. Alternatively, the solebar can be made from brass angle and the springs and axleboxes from cast whitmetal components. Other chassis kit components may be used provided that the back face of the solebar and the W-irons are flush.

#### Kit wagons

Having assembled the brass chassis, affix the wagon kit solebars and W-irons to it with impact adhesive or superglue. Ideally, the brass floor will be flush with the top of the solebar or lower. If it protrudes, then the wagon floor will need to be set higher during body assembly in order to cater for this. If the kit has a floor with ribs on the underside, discard it and make a new one from 40thou plasticard.

### Adapting the etch for other wheelbases

1. Cut the etch approximately across the centre, removing a section if the length is to be reduced.
2. On thin card, draw two parallel lines at the new wheelbase.
3. Tape a straight edge at a true 90° to the drawn lines.
4. With the half-etched lines uppermost, carefully align one half of the cut etch against the straight edge so that the lines are centred when sighted through the bearing holes and tape it down.
5. Repeat for the other half ensuring that the half-etch is in the same position as the first half, i.e. it is not upside down with respect to it.
6. Solder flat brass strip across the gap to rejoin the two halves.
7. Proceed with the assembly as above.

