

C7A ETCHED W-IRONS (RCH PATTERN, 14mm WHEELS) & BRAKE SHOES (enough for one 4-wheel or 6-wheel vehicle)

This etched W-iron is intended for use with 14mm diameter coach wheels commonly found on passenger rated parcels stock.

Make all folds with the half-etched line to the inside, unless stated otherwise. Drill all pivot holes to 0.95mm before commencing assembly.

ASSEMBLY SEQUENCE

1. Mark the longitudinal centre line and the axle centre lines on the wagon floor, and drill 0.95mm at each axle centre.
2. Fold up the pivot tabs of the baseplates to 90° and fix them to the vehicle floor. To ensure correct alignment insert short lengths of 0.9mm wire in the centre holes in the baseplate and vehicle floor and hold a straight edge tightly against them (see sketch).
3. Fix pinpoint bearings in place in the W-irons (the correct way round!) before folding up the W-irons and the central pivot tabs to 90°. Fold the keeper plates at the extreme bottom of the W-irons through 180°, with the half-etched line to the **OUTSIDE** of the bend.
4. Fit the wheels and check for free running. It may be necessary to open the slots slightly to ensure the wheel rims clear the stretcher base.
5. Now add the brake gear. The tabs at the top of the brake hangers fit into the slots on the stretcher. File off any excess on the top surface of the stretcher, otherwise the pivoting W-iron won't! Note that the centre axle on 6-wheel stock is normally left unbraked.
6. If modelling a six-wheeled vehicle you will almost certainly need to provide for sideplay on the centre axle. Fold up the slotted horn guide and fix it in place centrally on one of the W-iron assemblies. This is best done with the wheelset in place to ensure accurate alignment. Cut off the ends of the axle to provide sideplay and after fitting the wheelset solder short lengths of wire across the bottom of the slots to retain it. You may wish to spring the axle downwards using wire of phosphor bronze strip to ensure positive contact with the track.
7. Place the completed W-iron assemblies onto the base plates and thread 0.9mm wire through the pivot holes. Insert packing under one end W-iron only and adjust as necessary until the vehicle stands square on the track. The pivot wire can then be fixed to both baseplate and W-iron to lock the assembly. The pivoting W-iron should have the wire fixed carefully to the baseplate only.

