## CONNOISSEUR MODELS

## **Coach Bogie Designed For Queen Marry Brake Van**

Requires 4 Axels 3'7" Dia Disc Wheels (2 X Packs Slater's Plastikard Cat No 7125 Coach Wheel) Available from Old Road, Darley Dale, Matlock, Derbyshire, DE4 2ER, Tel 01629 734053



The bogie is designed so that if desired it can be built with sprung wheel suspension. The instructions show this but if a solid bogie is desired simply fit the wheel bearings into the holes in the side frames without modification. Fit bearings so that they centre the axels and solder solid using a flat surface to ensure everything is square.



 $\frac{1}{2k}$  = Run a fine drill (about 0.6mm dia) through these holes before removing any parts from fret. This is to ensure that during construction the fine spring wire can be threaded freely through these holes.

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Fit bearing carriers over axle ends and then Stage 5 (8) spring wheelsets into place. To achieve this the bogie sideframes can be gently flexed apart without creating permanent distortion as long as you are careful and the cross members (parts 7 & 8) are not soldered into place. 8 A spot of light oil is a good idea **Stage 5 Information** If it is found that the wheelsets are forcing the sideframes outwards slightly or preventing the bearing carriers from moving freely. File the pointed axle end down (go gently as you don't need to remove much to make a Sideframes significant difference) until the cross forced member (part 8) fits snugly into place and apart? with the sideframes running parallel. The bearing carriers/wheelsets should move up and down freely but without excessive side movement at the axle ends. When happy solder all joints solid. Check at each joint that everything is still square. File axle end 9 20 10 Stage 6 9

Thread spring wire through cross members and First fold wire through 90° to retain Stage 7 bearing carriers. Long nosed pliers or tweezers are it and check that springing works to useful to manipulate the wire through each hole. your satisfaction. The spring wire included is 0.018" thick. It is in effect Then fold wire through 180° and trim down to electric or acoustic guitar string readily available from a short stub. If required the end can musical instrument shops. I think it provides a then be sniped off and the wire suitable sprung ride for the Queen Marry Brake withdrawn and replaced Van kit. with one of different thickness. Different thickness guitar strings are readily available normally in 0.002" increments at very modest cost. So if you require lighter or heavier springing. Pop into your local music shop and stock up on a range of this excellent modelling material. Then experiment until you achieve the desired ride for your vehicle. 15) 11 Stage 8 1 4 15 Use overlong length of wire to make manipulation & positioning easier Stage 9 Form set at centre of wire first Fabricate sandpipes from 0.9mm brass wire. Solder firmly into holes in cross member and then tweak top part with pliers to follow the curve of the wheel tread. Then snip off at an angle so that they will be just clear of the rail head when springing is fully depressed.

