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## WAGON MASTER

Thank you for purchasing these Wagon Master. We hope you build many smooth running wagons, wagon bogies or coach, diesel or electric bogies with them.

### Please Read at least this Part

This is a precision jig that requires care and attention to get the best from it.

- Fit each wagon Master the same way round.
- Push 1 wheel of each set up against the same face of the Wagon Master
- Do Not Over Tighten Screws
- Do Not Use Hammers or metallic objects to move stiff parts
- Keep Lightly Lubricated.

Parts and specification

The Jig is made up of the following parts: -

1. Aluminium block with rounded slots at one end and brass screw at both ends
2. 1 off M4 x 0.7mm x 20mm lg Socket cap head screw.

A requirement for use of these parts is a Master Chassis.

### Starting to Use the Wagon Master

Position your mock axles in the Master Chassis the normal way round for constructing a chassis, (in 4mm the 1/8" section sticking out, the 3/16" section must not protrude from the front face of the jig), in 7mm the 3/16" section sticking out. This must be a min of 5mm (1/4") (not critical as it is only to locate the Wagon Master). Remove the screw from the bottom of the sliders of the Master chassis that you intend use for the Wagon Master. Slide the wagon master over the mock axle with the rounded slots at the top. The top hole is for the mock axle and the bottom hole is for the retaining screw. Fit the new screw provided. (Excess tightening is not required). **It is essential that the rounded slot you are using for the size of axle you have, is on the same side of the brass screw for each Wagon Master you are using.** We Now stamp a letter on the outside to indicate this. IE the Axles of each set of wheels must all be to the left of the brass screw or all to the right

### Building a Wagon or coach etc

There is a wide variety of kits on the market for

- Wagons with, 4 wheels, 6 wheels, 4 wheel bogies and possibly 6 wheel bogies
- Coaches with, 4 wheels, 6 wheels, 8 wheel radial, 4 wheel bogies and 6 wheel bogies
- Diesel and electric locos with any number of wheels.

Each manufacturer will have a different design so these instruction can not cover their construction.

However the basic idea is to adjust the sliders of the Master Chassis until they are the correct distance apart either, by measuring (scale distance) or matching against a suitable part of the kit. This can always be adjusted later if required.

Undo the brass screw until the axle of your wheel sets will fit under the head of the screw and into one of the rounded slots of the correct size. As you lightly tighten the brass screw push one wheel up against one face of the Wagon Master. Repeat for how many axles you have.

Build the kit around the axles following the kit instructions where you can, but leaving the axles fixed for as long as you can. You can build up a full wagon body, including floor and roof, as these will add strength to the structure, hence holding the axles straight and square.

#### To remove from the jig

If you still have visibility of the brass screws that hold the axles in place. Undo them and remove kit. If not, carefully turn the Master Chassis upside down, so as not to damage your kit, and **screw-in** the brass screws on the bottom to release the kit.

Finally fit any brake gear etc to the under side of the kit.

We have set up a Yahoo Discussion Group which is **free to join**

<http://uk.groups.yahoo.com/group/masterchassis/>

Please feel free to add any suggestions, hints or tips on the use of this product so others may benefit.

We also run regular **workshops on Chassis Construction**, if you feel as if you need personal tuition in using The Master Chassis or Chassis Construction. Check our website for regular **Railway Modelling Workshops with 'Famous Names'**. In the past these have been very sociable events, with good food and company. Ring for details.