

# Ultrascale Data Sheet

Issue: 002-120317

## Model Rail Sentinel Steam Locomotive



### Fitting Instructions:

The Model Rail Sentinel Steam Locomotive conversion pack comes as a set of 4 wheels assembled on to pin point stub axles. (*as shown above*)

The first thing that the modeller needs to do is to remove the brake gear from the base of the model. It should be noted that some of the models have had the brake gear glued in place and you will need to cut the brake gear off before the base plate can be removed. Once this is complete, the base plate covering the wheels and gear assemblies has to be removed. This base plate is held in place by a clip at each end of this base plate, gently prying one end off this clip, should let the base plate come off without any problems. You now need to remove the wheel and gear assemblies from the chassis. To do this, gently pry apart the axle boxes until the pin point axles drop out. Now remove the original wheels and stub axles by pulling them out of the plastic muff/gear assembly, you should be able to do this by hand as holding the plastic muff/gear assembly with the likes of a pair of pliers can cause damage to this item, when this is done re-assemble the new wheels and stub axle into the plastic muff/gear assembly, making sure that you have the same amount of space between the back of the wheel and the end of the plastic muff at the same time checking that the gauge is correct for your requirements. Then re-assemble the wheel assemblies and base plate in reverse order to that used to disassemble them. Once this is done the brake gear can be replaced. We found that with both the 'OO' and 18.83 wheels the brake gear fitted back without the need to make adjustments. However, you may need to take some plastic off the brake blocks to clear the flanges on the EM wheels. We also found that one stub axle was not as tight in the plastic muff as the others when it was re-assembled. To fix this, Loctite 603 can be used on final assembly.

### Please Note

If you are not sure on how to disassemble the model then refer to the diagram/instructions sheet which comes with the model or any service sheets that may be available from the manufacturers web site.

### Availability:

This conversion is available in 'OO', E.M. and 18.83 gauges.