

# Ultrascale Data Sheet

Issue: 001-090124

## Bachmann Class 47



### Fitting Instructions:

The Bachmann class 47 conversion pack comes as a fully assembled set of wheels, axles, bushes and gears. (*as shown above*)

All that needs to be done is for the original Bachmann wheel sets to be removed and to fit the new Ultrascale conversion pack wheels. This is done by removing the bogie base/side frames from the bogie mechanism, if you are not sure how to do this then refer to the diagram/instructions sheet which comes with the model or services sheets from the manufacturers web site. The wiper pick-ups will need to be adjusted to suit the wider E.M. and 18.83 gauges, but this is made easier as the pick-up wheels have a completely enclosed metal back. (*see inset image above*) This means that the pick-ups can touch anywhere on the back of the wheel and still make electrical contact. Once the wheels have been fitted and the bogie bases replaced the model is ready for use.

It should be noted that this conversion makes no allowance for any misalignment of the axles in the bogie. (i.e. any problems with the bogie rocking on the centre set of wheels) The reason for this is that the amount of misalignment will vary from model to model. We therefore, take the decision not to try and compensate for this, as we would not know just how much to correct each conversion pack/bogie by as each one is likely to be different.

### Caution

Please note however, that you may need to make some adjustments to the brake gear fitted to the bogies. This is to make sure that the new wheel sets on both the E.M. and 18.83 gauge wheels do not foul, once the bogie base/side frames have been replaced.

### Availability:

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