

# Ultrascale Data Sheet

Issue: 001-100410

## Heljan Class 15



### Fitting Instructions:

The Heljan class 15 conversion pack comes as a fully assembled set of wheels, axles, and gears. (as shown above)

Changing the wheels is fairly easy and only requires the side frames and base plates from each motor bogie to be removed. This can be done without removing the bogies or anything else from the model. The side frames are removed by pulling them off of the two round pegs that attach them and the wiper pick-ups to the bogie, the bar which is attached to one end of the bogie side frames will only have to be removed if converting to either EM or 18.83 gauges, otherwise this can be let in place.

You then need to remove the base plate, this is done by lifting the four retaining clips, two each side of the base plate from the bogie. Once this is done the wheels can be removed and the new ones fitted. You will need to adjust the wiper pick-ups to allow for the wider EM and 18.83 gauges, but that should be all. The base plates can then be pushed back on. You will find that with the EM and 18.83 conversions, 4 brass spacer collars are supplied, these are fitted, one over each of the round pegs that hold on the side frames, these are to push out the side frame when re-fitted to stop the inside face of the side frame from fouling the front face of the wheel. (it should be noted that you may need to use some glue at this point to hold the side frames on) Once this is complete the model is ready for use.