

Ultrascale Data Sheet

Issue: 001-111112

Heljan Class 28



Fitting Instructions:

The Heljan Class 28 conversion pack comes as a fully assembled set of wheels, axles and gears. *(as shown above)*

All that needs to be done is for the original Heljan wheel sets to be removed and to fit the new Ultrascale conversion pack wheels. This is done by first removing the side frames from each bogie, these items should easily pry off with the aid of a small flat bladed screw driver. It should be noted that if you are fitting either the EM or 18.83 conversion wheels, you will also need to cut the cross member in the middle at the rear of each of the side frame sets to allow for the wider EM and 18.83 gauges on re-assembly. Once the side frames have been removed, take off the bogie base plate, this held on position by clips on each side of the bogies and can be released with the aid of a small flat bladed screw driver. Now remove the Heljan wheel sets and replace with the new Ultrascale conversion wheels, making sure that the wheel sets with the gear fitted are the correct way round, as the gear is offset to one side from the centre of the axle. If fitted the incorrectly the final drive gear will not mesh with the other gears in the bogie and the wheels will not drive. Also at this stage you may need to adjust the wiper pickups if using the wider EM and 18.83 gauge conversions. Once the wheels have been fitted and the bogie bases replaced the side frames can then be refitted to each bogie, the model is now ready for use. It should be noted, When fitting either the E.M. or 18.83 conversion pack wheels, supplied with these conversions are 8 brass spacers. These spacers are fitted over the pegs on the sides of the bogie *(two each side)* where the pick-up wipers and the bogie side frames fit. The spacer goes between the wiper pick-up and the side frame when fitted. These are supplied to space out the side frames when using the wider E.M. and 18.83 gauge conversions so the front face of the wheels do not foul the inside face of the bogie. You may also need to glue the side frames back on at this stage, on reassembly.

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.