

Ultrascale Data Sheet

Issue: 002-080713

Hornby Class 101 DMU (3 car unit)



Fitting Instructions:

The Hornby class 101 DMU (3 car unit) conversion pack comes as a fully assembled set of wheels, axles, and gears. (*as shown above*)

There is no need to remove the body to change the wheels on this model. All the modeller needs to do is remove the base plate from each of the bogies in the power car, take out the original Hornby wheel sets and fit the new Ultrascale conversion pack wheels. The wiper pick-ups will need to be adjusted on both bogies to suit the wider E.M. gauge (*see Caution note below*). Once the new wheels have been fitted the bogie base plates can be replaced and the power car is ready for use.

The next job is to fit the wheels into the centre and trailer cars. This is done by pulling the bogie side frames apart by hand and dropping out the original Hornby pin point wheels and axle assemblies. To fit the new conversion pin point axle and wheel assemblies, just do the reverse, place one of the axles pin points into one of the bogie side frame bearing cups first. Then put the bogie side frames apart to drop the other axle pin point end into the other bogie side frame bearing cup. Next, spin the wheels to check that they run free, if not, using your thumb and finger, pinch the bogie side frames together against the axle pin points. Release your grip and spin wheels again, they should now run free.

It should be noted that we have supplied the pin point axles to a length of 25mm as opposed to the original Hornby ones that are 24.5mm. This has been done to reduce the end float in the wheels sets, specially for the E.M. sets where the wheel face could foul the inside face of the bogie if there was excessive end float.

Caution

When using the E.M. conversion, you may find that due to the wider gauge, when compared to the original 'OO' wheels, that the wiper pick-ups only just make contact, if at all, with the back of the tyre. Therefore, you should take care when adjusting the pick-ups to make sure that you have even contact on the back of all wheels. On both the power bogie and non-power bogie on the power car.

Availability:

This conversion is only available in 'OO' and E.M., this is due the the pin point axles being too short the be used for 18.83 gauge wheels.