

# Ultrascale Data Sheet

Issue: 001-090110

## Hornby Class 6800 'Grange'



### Fitting Instructions:

The Hornby Class 6800 'Grange' conversion pack comes as a fully assembled set of wheels, axles, bushes, crank pins and gears. (*as shown above*)

When disassembling and assembling both the engine and the tender, please refer to the manufacturers web site for the correct service sheets for that model.

All that needs to be done is for the original wheel sets to be removed and to fit the new Ultrascale conversion pack wheels. However, you may find, depending on the gauge you are converting the model to, that you will need to make some cosmetic changes/modification to both the engine and the tender to make sure the new wheels clear and do not foul on the model. The changes/modifications that we made to the model shown above are listed below.

#### Loco:

- Remove some plastic from the inside of the trailing driving wheel splashers to make sure that the front tyre face does not rub. This should only need doing on the side with the reversing gear fitted. (EM and 18.83 gauges only)
- Adjust wiper pick ups for the wider gauge conversions. (EM and 18.83 only)

#### Tender:

- Remove some plastic from the brake shoes to stop them fouling on the wheels. (EM and 18.83 only)
- Adjust wiper pick ups for the wider gauge conversions. (EM and 18.83 only) Also make sure that you do not make the wipers too tight on the centre set of wheels as this may stop the wheels from rotating. Light contact is all that is required.

Once the conversion wheels have been fitted, you should reassemble the connecting rods and valve gear. Make sure that when you disassemble the crank pins, the crank pin nuts go back on the wheels that they came off. When this is complete cut the screw flush with the crank pin nut and put a small amount of Loctite on the nut to secure it. If you wish to test run the model before putting Loctite on the crank pin nuts make sure they are tight as they can work loose when running the model.

### Availability:

This conversion is only available in 'OO' , EM and 18.83 gauges.