

Ultrascale Data Sheet

Issue: 001-120415

Dapol 10000/10001



Fitting Instructions:

The Dapol 10000/10001 conversion pack comes as a fully assembled set of wheels, axles, bushes and gears. *(as shown above)*

To do this conversion you will need to drop the motor bogies out of the model before you remove the bogie side frames and remove the wheels.

To remove the motor bogies you will first need to remove the body from the chassis, this is done by removing the two screws located on the underside of the model. (see instruction sheet supplied with model) Once these screws have been removed the body can be lifted off the chassis.

You will now need to remove the speaker mounting bracket, which is located over one of the bogie pivots at one end of the chassis. This is held in place by two screws. Once this is removed you will have access to the retaining clip which holds both the bogie in place and also acts as a retaining clip for the electrical wiring which runs over the bogie. You will need to remove this clip from the top of each bogie pivot to be able to drop the bogie assemblies from the chassis. A small flat bladed screw driver should be all that you require to pop these clips off. The bogies can then be withdrawn from the chassis, the drive shaft connecting the motor to the bogies should come out of the motor fly wheels when the bogie is removed and stay connected to the U. J. socket on the bogie. The only other thing that now stops the bogie from being completely removed are the two wires which run from the bogie pick ups to the main circuit board. However, these should be long enough to be able to change the wheels without the need to disconnect them.

To remove the wheels you will now need to remove the bogie side frames. The side frames are held in place by two clips, one each end of the motor bogie. Using a small flat bladed screw driver gently pry one of the retaining clips away from the motor bogie and the side frame should then come free. You can now pull out the original wheel set from the motor bogies. Once you have removed the Dapol wheels you are ready to fit the new conversion wheels.

Fitting the new conversion pack wheels is just a matter of replacing the original wheels with the new ones. You will need to adjust the wiper pick ups if you are fitting either the EM or 18.83 conversions to allow for the wider wheel gauge, but that should be all. The new brass axle bushes should be a good fit in the motor bogie, this helps keep the wheels in place while you refit the bogie side frames.

Now comes what may be the most difficult part of this conversion, specially if you are fitting the 18.83 conversion pack wheels. The bogie side frame pivot position, were the centre set of wheels will locate, has a web running across it. The distance from one side of the side frame and the other measured between these webs is too small to let the 18.83 gauge wheel pass when refitting the side frames to the bogie. The 'OO' wheels will not be a problem and the EM wheels will just slip passed. However, you will need to do one of two things when fitting the 18.83 conversion. First you can either completely or partially remove this web, which should give enough clearance to allow the side frame to slip over the 18.83 wheels. This option was used by a customer who has test fitted the 18.83 conversion to his model and partially removing some of this web worked for him. When we test fitted the 18.83 conversion we spread the side frames as we refitted them to the bogies and this worked for us. But this option is the more difficult one to do out of the two, as it requires you to spread the side frame over the centre set of wheels while refitting it.

Having got the bogie side frames to fit back over the wheels, push the side frame and the motor bogie back together firmly until they both clip back into place. You should also make sure that when you do this, that the two pick up wires are not trapped inside the side frame bogie pivot position. The wires should be outside, otherwise trapping them on the inside can make the bogie side frame pivot position stick out at the sides and cause the bogie not to move freely when reassembled.

Now, one at a time, refit each bogie back into the chassis making sure that the motor bogie drive shaft fits correctly back into the fly wheel U. J. socket on the motor. Then fit back into position the bogie retaining/wire clip making sure no wires are trapped in the wrong position. Once this is done check that both bogies pivot freely and if all is correct, refit the speaker mounting bracket. Now test run the chassis before you finally fit the body back on. If all works correctly refit the body and secure it with the final two screws. The conversion is now complete and ready for use.

Availability:

This conversion is available in 'OO', EM and 18.83 gauges. For other details regarding this conversion see our web site at www.ultrascale.com