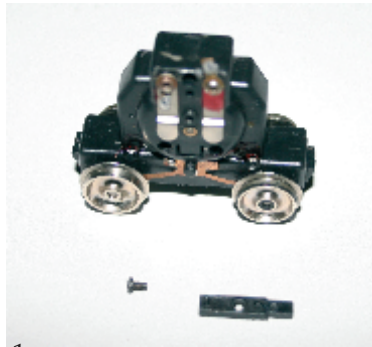
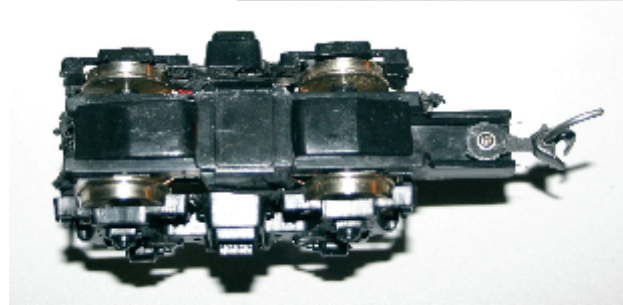


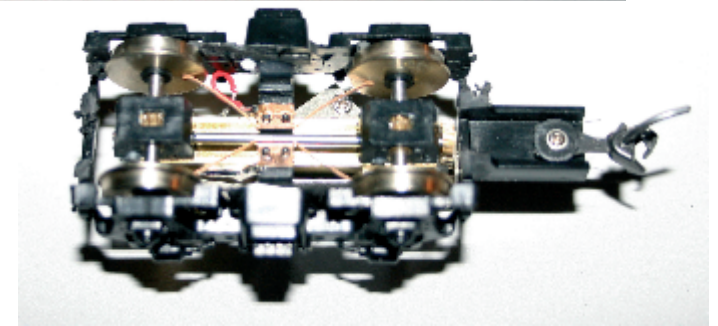
## Bachmann 4051 Conversion with BullAnt Motor Bogie Drive Unit



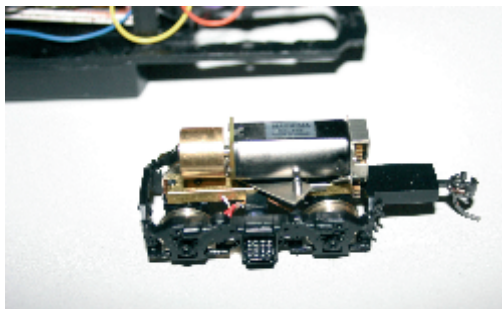
Stage 1.  
Unsolder the wires to the motor.  
Remove fixing screw and plastic lug, and remove motor unit from the chassis.



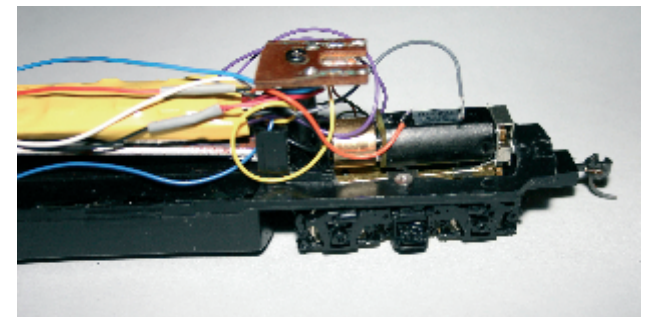
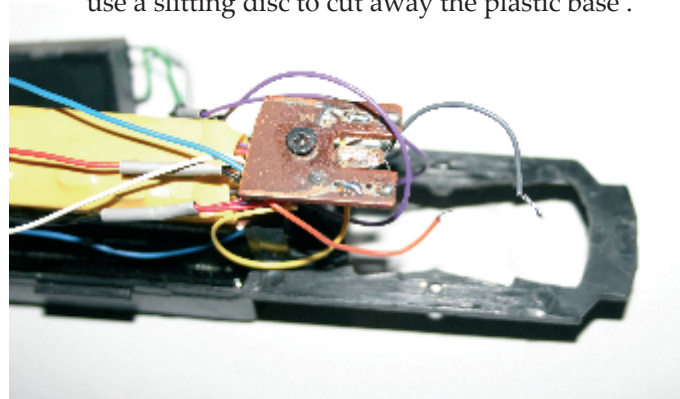
Stage 2.  
Convert old Bachmann motor bogie unit.  
Once motor unit is removed from the bogie unit use a slitting disc to cut away the plastic base .



Stage 3.  
Push fixing screws into swivel fixing holes and retain with Loctite glue. Then glue the old bogie plastic side frames with coupling onto the new Bullant replacement motor bogie You may have to remove just a small portion of the plastic.



Stage 4.  
The complete unit can now be measured against the chassis and the plastic removed with slitting disc and file to accommodate the longer motor and fly wheel. Drill two holes to take the new fixing screws.



Stage 5.  
Fit in new bogie assembly and do up the nuts to retain the swivel fixing. Re-solder the wires red to red black to black. And if using a DCC chip Grey and orange to the motor.