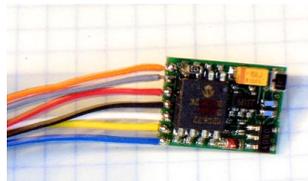


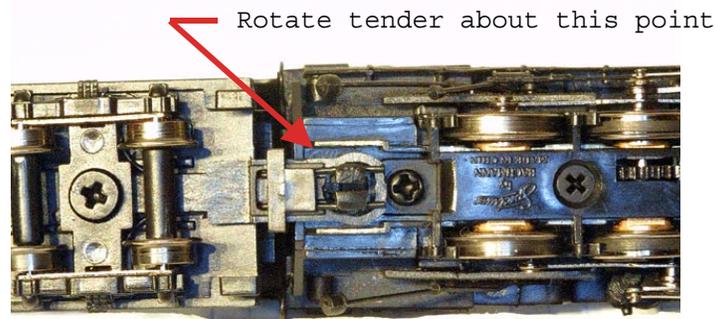
This set of instructions is for mounting a DCC decoder in the Bachmann 2-8-0 Consolidation steam locomotive. This is a process that I have successfully used for two engine. Use this information at your own risk.



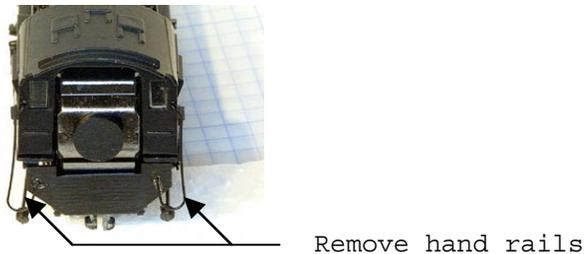
The decoder of choice for this locomotive is the Lenz LE10XF or the LE77XF. Digitrax DZ121 and DZ120 s are too long to fit inside the boiler shell without frame modification. It can be done but I do not recommend it.



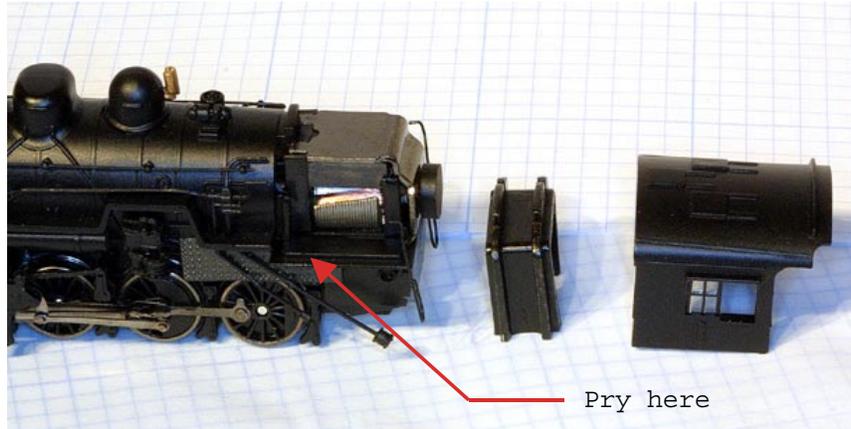
The first step is to remove the the tender and set it out of the way. This is done by rotating the tender draw bar ninety degrees with respect to the locomotive body and then lifting the tender and draw bar off the locomotive.



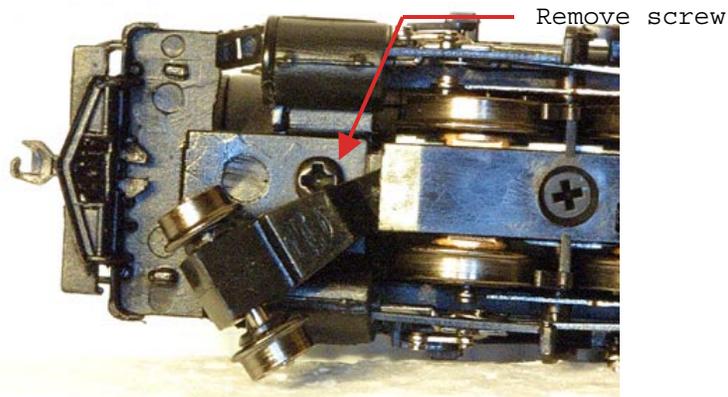
With the tender off the locomotive remove the rear cab hand rails



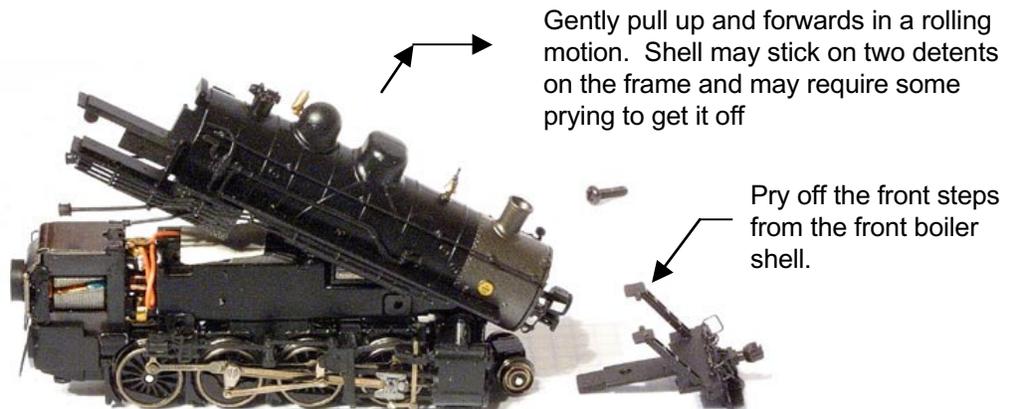
Remove the cab and weight from the locomotive body and set them aside with the other removed parts. The cab will require some gentle prying to release it from the boiler shell



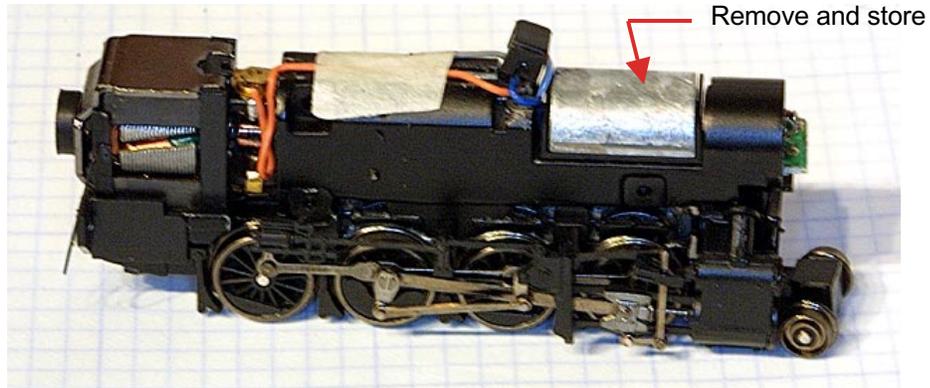
Remove the front pilot by removing the retaining screw. Pry the left and right steps from the front of the boiler shell then slide out the front pilot and set it aside



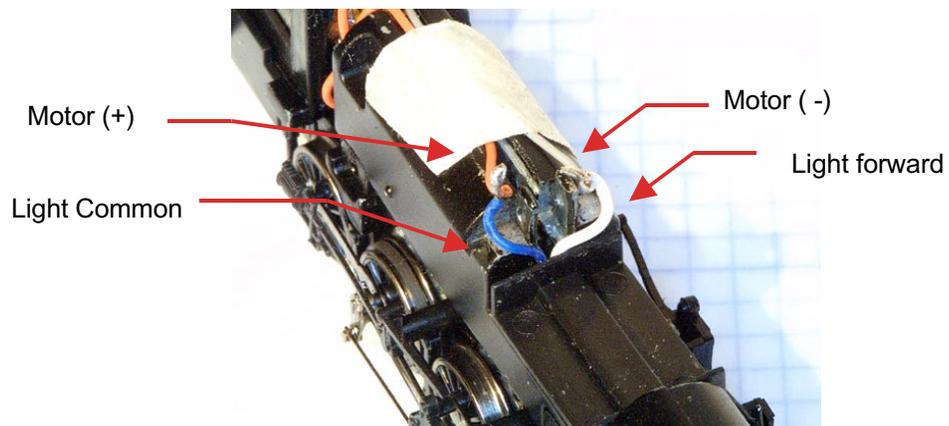
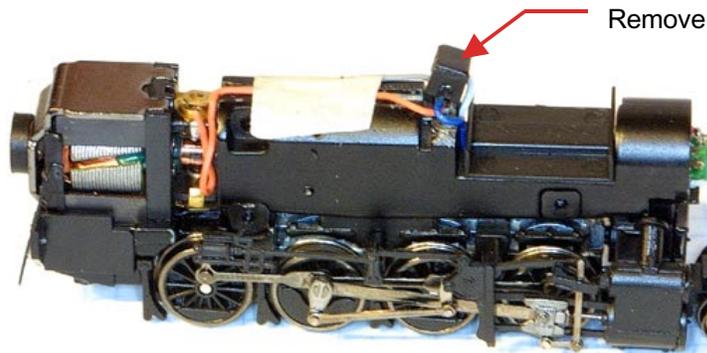
Pry off the boiler shell from the rear by lifting it up and rotating it forwards.



If the instructions have been clear, you should have the unit looking like this in front of you. Remove the silver weight from the loco mechanism. This will no longer be used, the decoder will replace this (LE77XF or LE10XF will fit in this space)



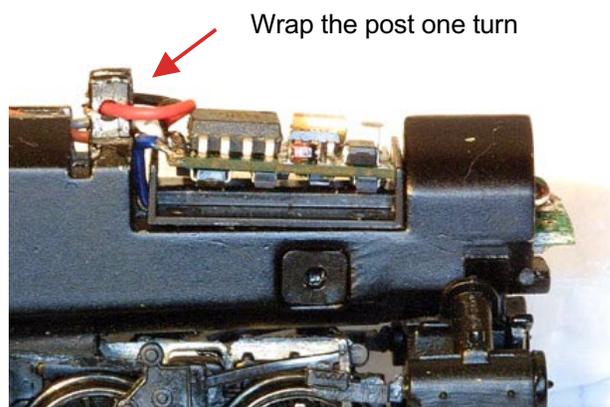
Remove the plastic cap to expose the wires that need to be connected to the decoder. They are color coded to NMRA specs.



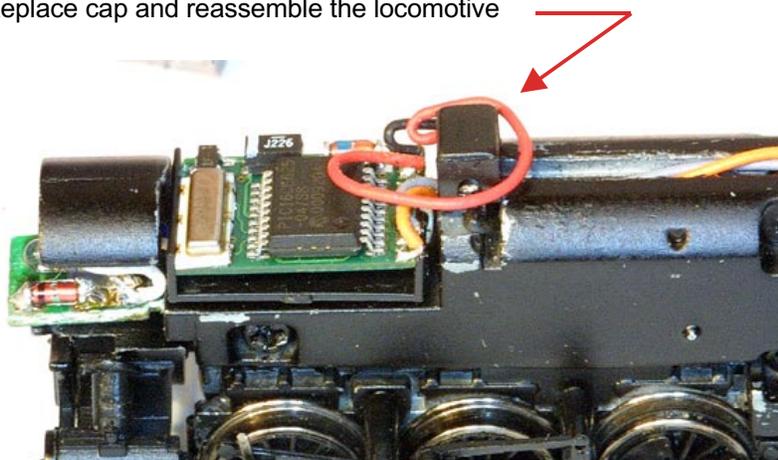
Attach the appropriate leads to the decoder. There are two ways to do this. The first way is to remove the wires from the decoder and attach the wires from the locomotive to the decoder. If your soldering skills are poor I would not do it this way. The second way is to remove the Bachmann supplied wires and trim the decoder wires to appropriate length and attach them to the light board and motor brush caps. I have done both ways. It just depends on the mood you're in.

Trim about 1/4" from the red and black wire and tin them. Insert the red wire in the right post and wrap the end through the post. Insert the black wire in the left post and wrap it also. Replace the plastic cap on the post and inspect the wires for possible shorts.

Reverse the disassembly process and you are now ready to program and run your engine.



Replace cap and reassemble the locomotive



Hope this works for you as it did for me.

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