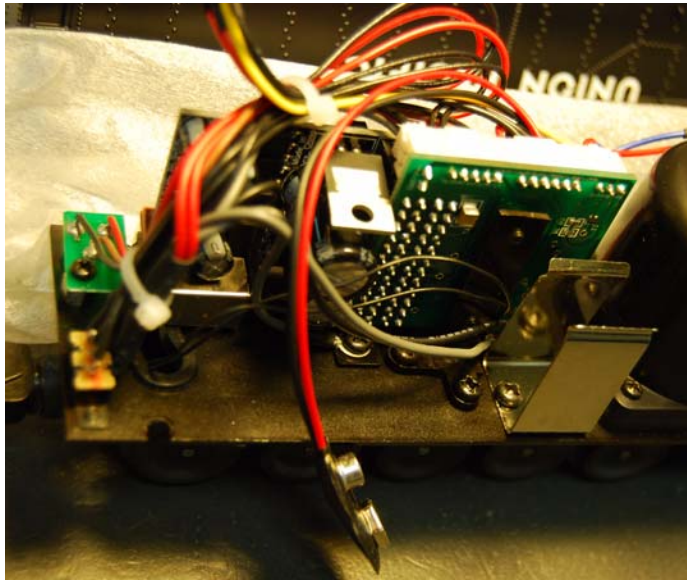


AF Big Boy by Lionel

9vBRLT installation



Rear of tender showing battery location and 9v connector with protector removed.

When the final unit is installed. Make sure the wires are positioned so that they do not become pinched when reassembling the chassis to the tender shell. Your ready to use your Big Boy without ever requiring batteries at this point.

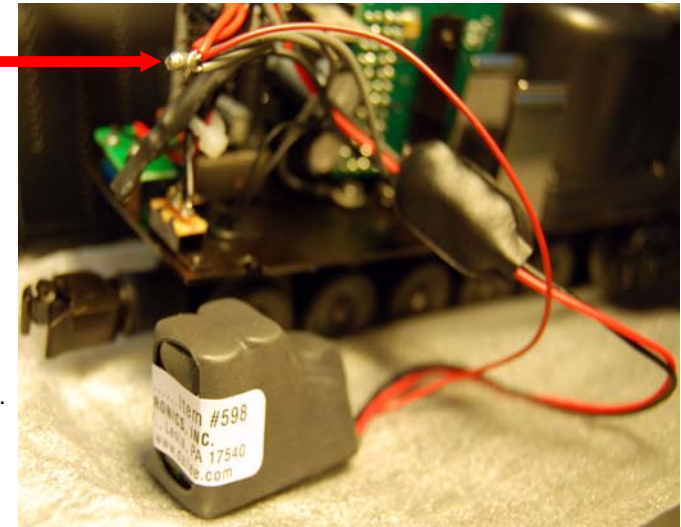
While the tender is apart, you may want to add a 4.7k, 1/4 watt or larger, resistor in series with the rear red LED's. This will cut their intensity to something more tolerable. The connector between the tender and chassis has a diode soldered to the second RED wire. You can see the bulge in the long heat shrink coating. Gently cut the heatshrink to expose the solder connection between the diode and red wire. Then unsolder them, solder in the resistor, and attach the red wire to the other end of the resistor. Don't forget to put the new heatshrink tubing on the wire so that you can slip it over the connection as well as the resistor and it's other end which is attached to the diode. This will make a professional looking modification. Otherwise, make sure to cover it all with electrical tape.

Add Dallee #598 as shown.

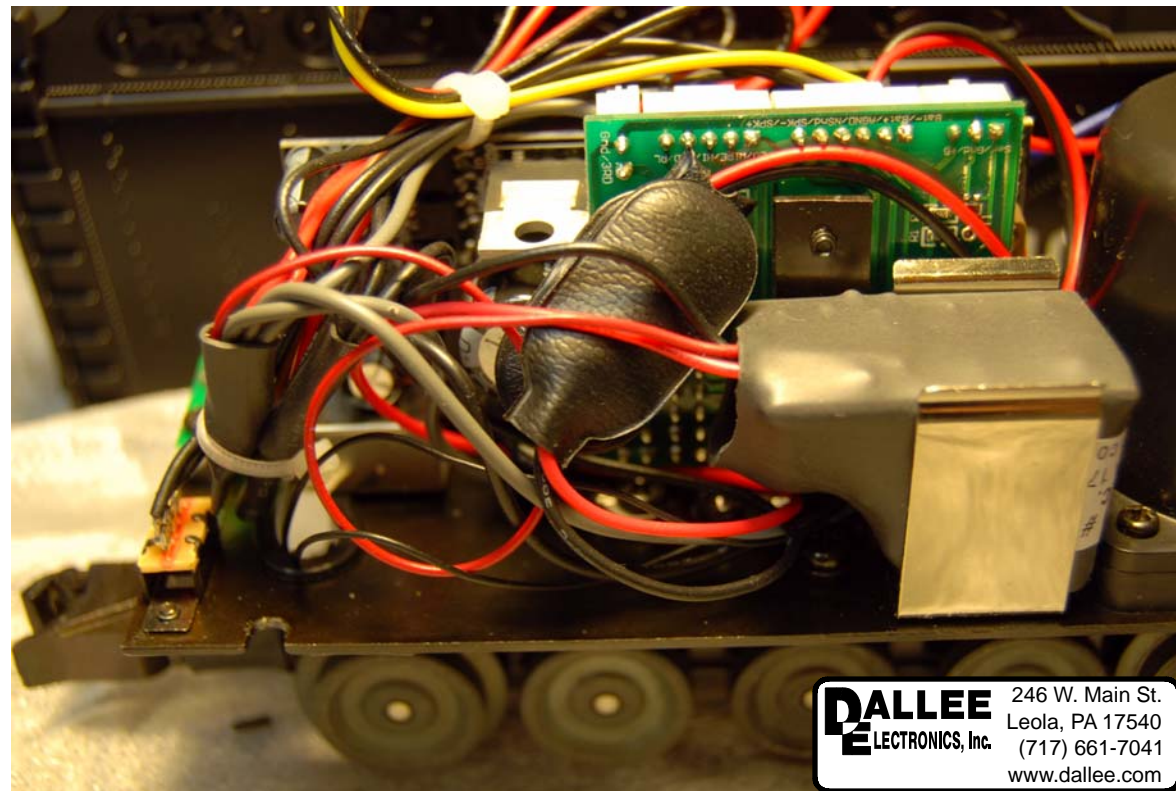
Locate the two red and two gray wires that are in heatshrink tubing. Remove the tubing by carefully cutting open. Attach the red wire from the Dallee #598 and cover the connection with either heat shrink tubing or electrical tape.

Then slide wires back into nylon ty wrap holder.

Next, connect the battery snap connector from the Dallee 598 to the existing battery connector. Then place the 598 into the battery holder. It's best to position it upside down. Be careful not to pierce the casing. You can also elect to attach the 598 using double sided tape. There is plenty of room to do so.

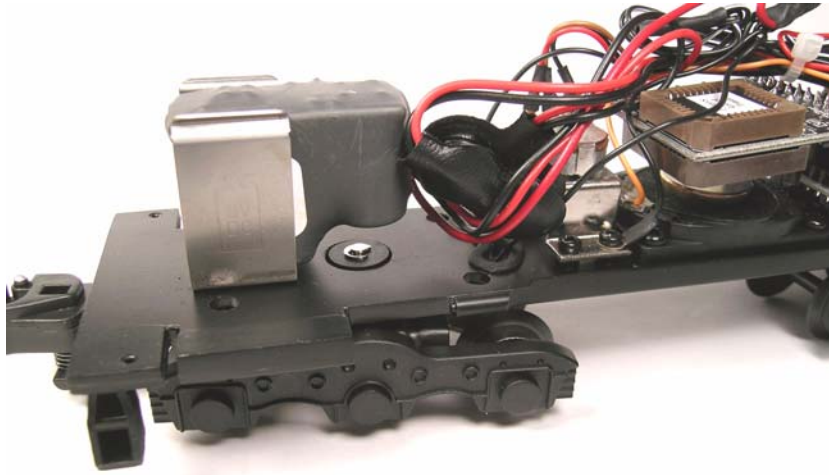


Finished installation:



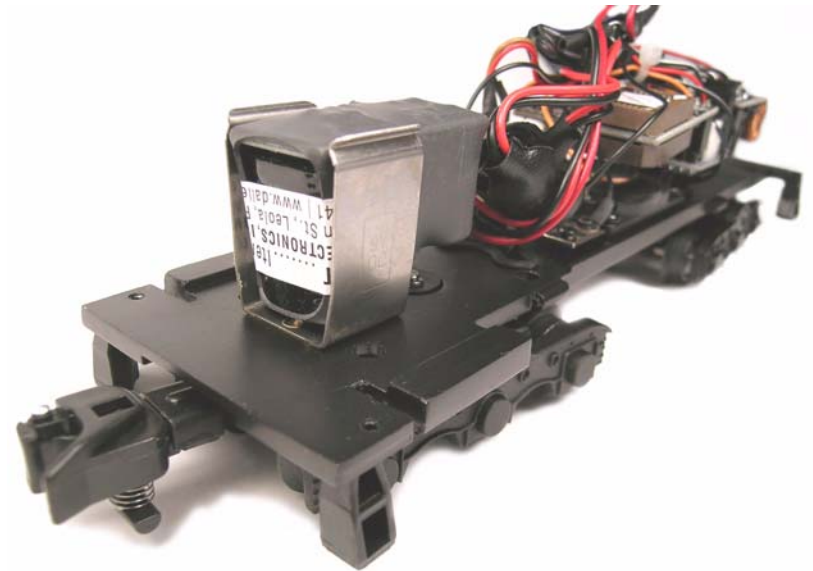
9vBRLT - AFL Northern Installation

by using the 9vBRLT, a battery is not required in this locomotive! Plus, you only have to open your tender up one time for installation instead of many for battery replacement.



Side view.

Connect the battery snaps together. Make sure they do not short to the chassis or any other metal object. Second, connect the RED wire to the right rail pickup. Either secure the 9vBRLT to the battery holder or in front of it. There is plenty of room!



9vBRLT, installed upside down. Spread battery bracket slightly at it's base to allow for a snug fit. Don't spread too much or the tender shell will not clear.

Item #598, 9vBRLT
\$29.95*

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