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LGB Mogul + battery RCS + Sierra sound

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Topic:

Topic author: TonyWalsham

Subject: LGB Mogul + battery RCS + Sierra sound

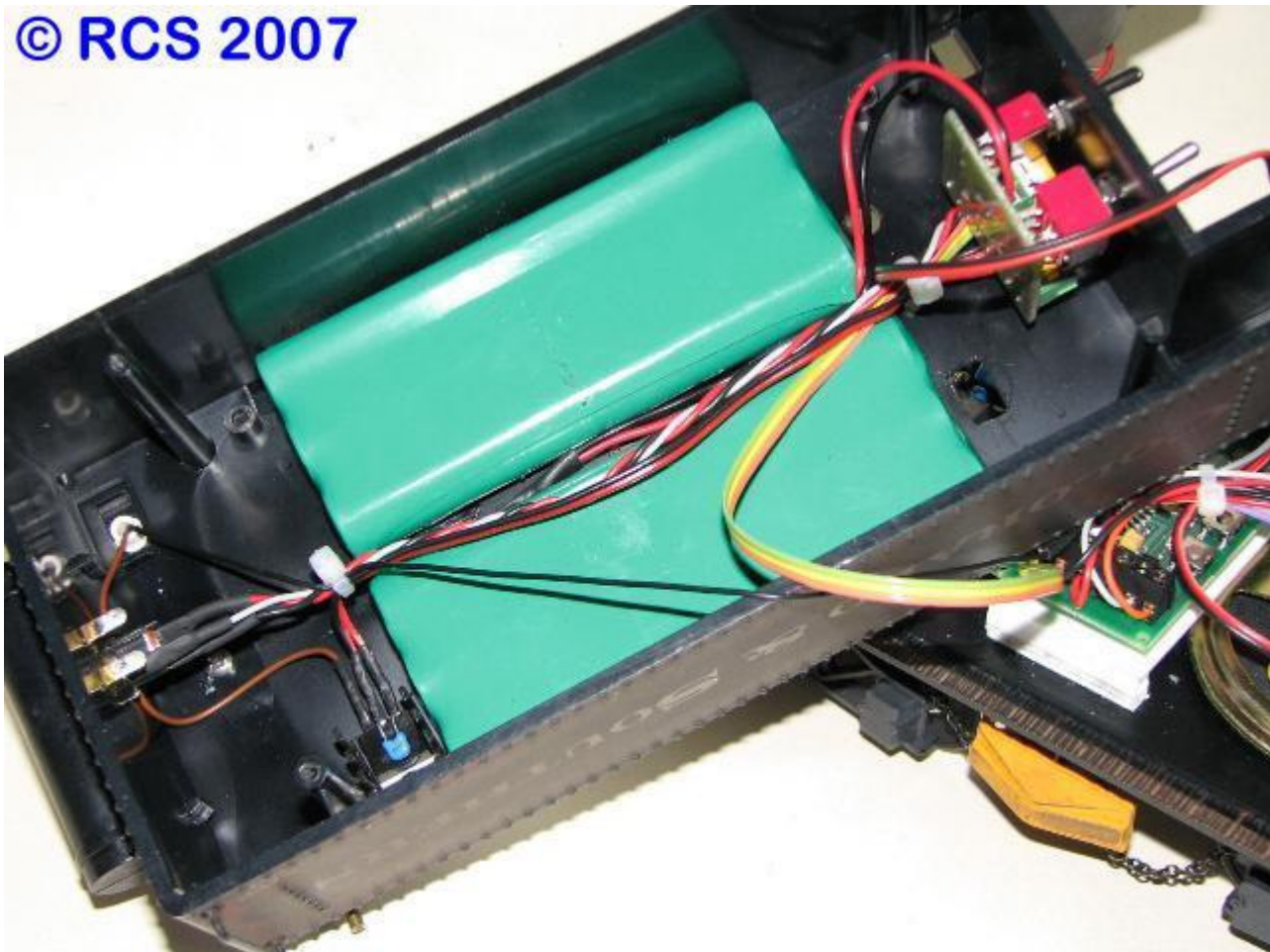
Posted on: 21 Mar 2007 21:30:58

Message:

I recently installed my RCS, batteries and Sierra sound in an older sound equipped LGB Mogul.

The first task was to rip out the stock LGB sound. They are huge and when taken out give enough room for all the equipment and batteries inside the tender.

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I mounted the 2 x 7.2 volt ENeloop 2000 mah NiMH/Alkaline hybrid batteries under the top of the tender shell with silicone roof and gutter sealant.

I wasn't able to change out the stock LGB 5 volt lighting bulbs so I made up a 5 volt regulator for the rear light. It can be seen in the bottom LH corner.

The charge jack can be seen on the left. It also doubles as a port for extra plug in batteries carried in a trail car.

The small pcb in the top RH of the pic has the ON-OFF switch and toggle switch volume control for the Sierra.



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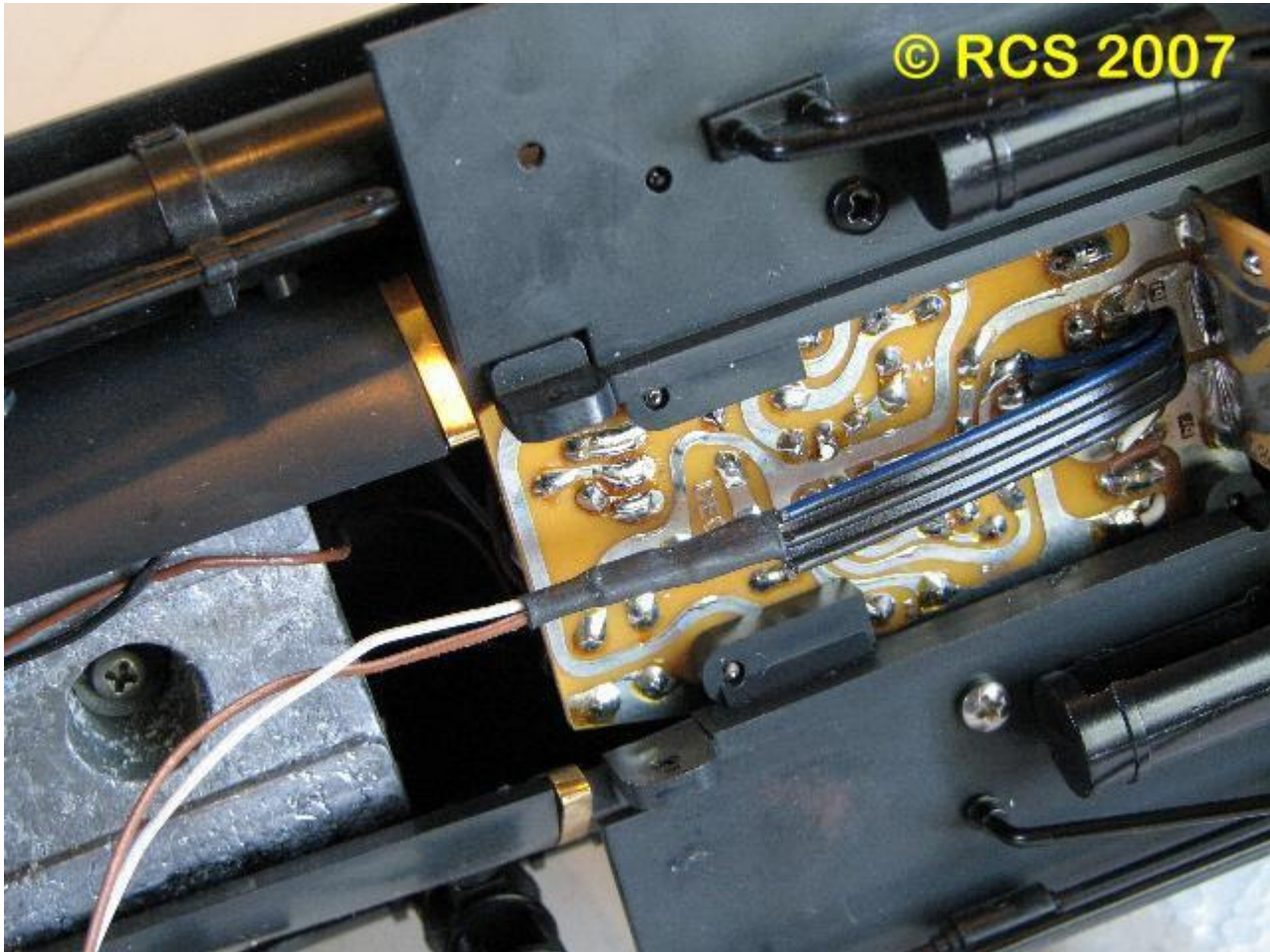
Another view inside the tender shell.

Unfortunately I forgot to take a pic of the RX-8 receiver part which I mounted up high under the coal load with the AZARR antenna. Range is well over 100'.



The rest of the components are mounted on the tender floor.
The hole for the RX-8 connector can be seen just ahead of the battery lower battery pack.
I used the existing LGB wiring connectors to join the tender to the loco.
Close up next.





In the loco I unsoldered the wiring as shown to power the motor. I kept the headlight wires plugged in as supplied but they were troublesome so I eventually soldered them direct to the pcb, (not shown).



I used a reed switch for the chuff timer and mounted it in some square styrene tubing which I attached to the truck with the same silicone sealant I always use.

The very small rare earth magnet Sierra supplies was glued to the wheel with CA. I only used one as it gives two beats per evolution of the main driver. Not correct I know but my customer likes it like that.

This LGB loco is like every other LGB loco I have had here. It is superb. Very smooth and pulls well. Run time is over 2 hours with the battery packs fitted. Unlimited run times are available when extra batteries are plugged in the charge jack.

Any questions? Please contact me off line.

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