

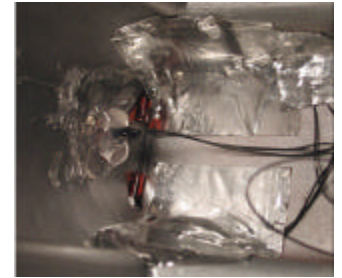
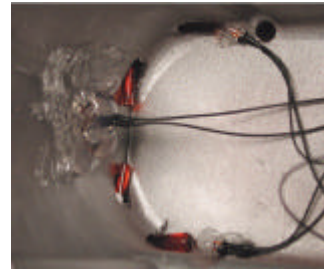
## Sample installation - Short GG-1

Place 1/16" tape on board to prevent motor / chassis from shorting to board.

Make spacers, with slot guides to hold board, to raise board from bottom to clear wires.

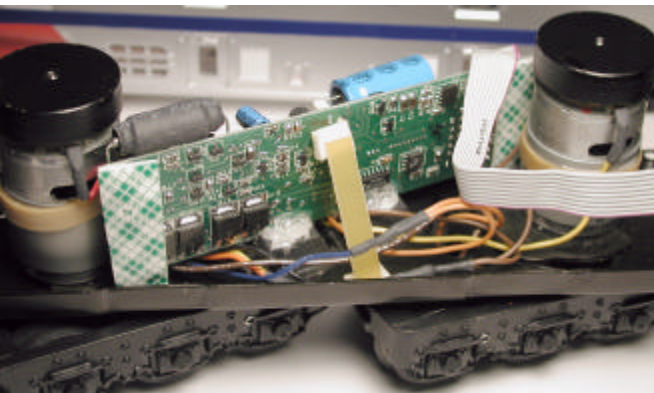
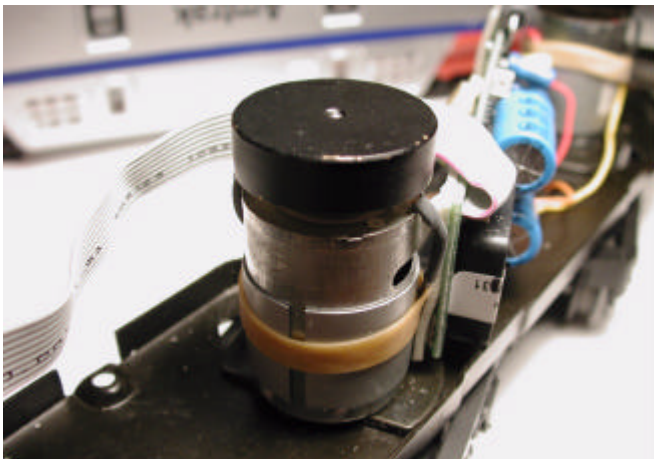
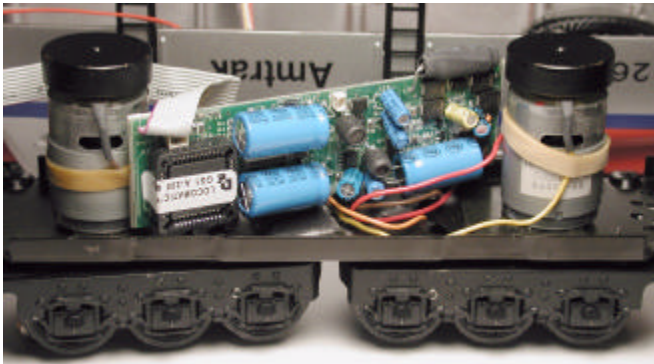
Position board on angle to clear shell / chassis and motors when swung to full extent (motors move to negotiate tight curves).

Use a non-conductive glue to hold board on spacers. "Quick Grag" works well for this. Make rear support bracket to keep board from tipping.



Install lamps in parallel for illumination of the markers. Then cover the lamps with foil tape to prevent light from seeping through.

Install speaker in enclosed tube flush to the inside ceiling.



Coil couplers could also be added but would need addition modifications to the coupler pockets for installation and item #501.



An easy location for the sw/vol board is near the previous lockout switch location.

If opening the chassis for the sw/vol, do this first before mounting the main board.

Mill open or drill multiple holes and file smooth to gain access to the switches and volume control. If only the volume control is of importance, locate suitably about an existing hole. Be sure that none of the tracks on the board or switch mounts touch the chassis. This would permanently damage the microcontroller and is not covered under warranty.



Place 1/16" double sided tape on front side of board and secure in place.

An added touch would be the addition of two interior cab lamps. These can be accessed from the LocoMatic controller as Aux1/Aux2. Use Aux1 as the forward cab and Aux2 as the rear cab. This way you can independently illuminate the proper operating cab when at idle.