

LGB Genesis 2x49x - Expert Instructions

Smoke, Sound and MTS Installation

November 9, 2006

Hint: The installation shown here requires the removal of the loco body shell and disassembly of the sound module. However, reinstalling the body shell can be difficult. Alternately, you can install all the components through the removable roof panel and press an unmodified sound module into the tabs in the loco chassis. However, this alternate technique may be difficult for people with large hands, and the sound module will not be as secure.



Attention! It is possible to plug the decoder cable into the loco circuit board backwards. (See Step 8.) The loco will run reversed from normal, and the smoke unit will get full track voltage, which will quickly damage the smoke unit.



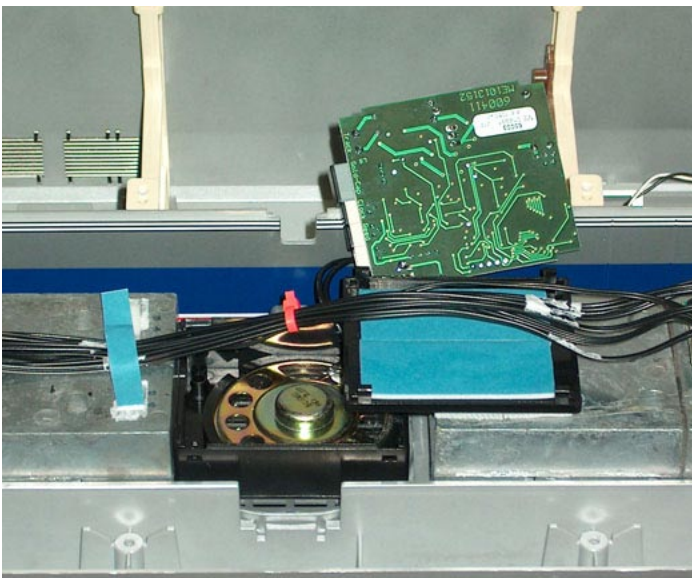
1. Remove the body shell and roof panel. Install the 65853 smoke unit in the roof panel. Plug the wire terminals onto pins labeled "Smoke" on loco's main board.



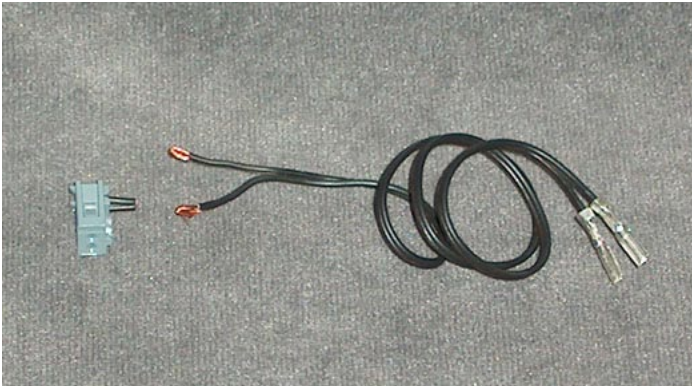
2. Disassemble the 65003 sound module. (**Hint:** Gently press in the tabs on the sides of the module to snap the case apart.) Drill two holes in diagonal corners of the speaker side of the case to match the speaker mounting posts, and attach the case side with two screws (from 69002). (Be sure to reinstall the speaker grille and speaker before attaching the case side.)

3. Move the cables attached to the weight. Attach the remaining side of the module case to the weight (forward of the body frame) using double-stick tape or Velcro (not included).

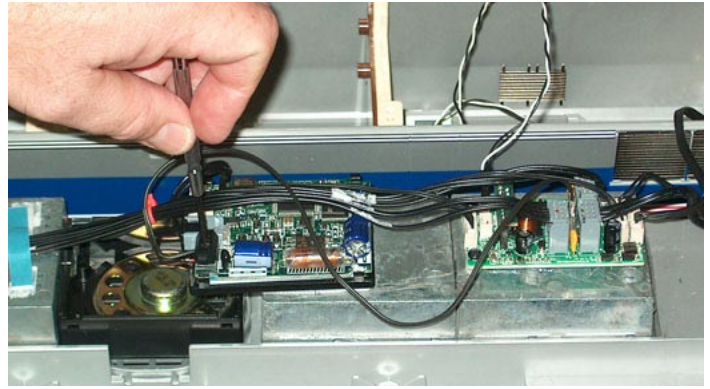
4. Attach the module circuit board to the case with double-stick tape.



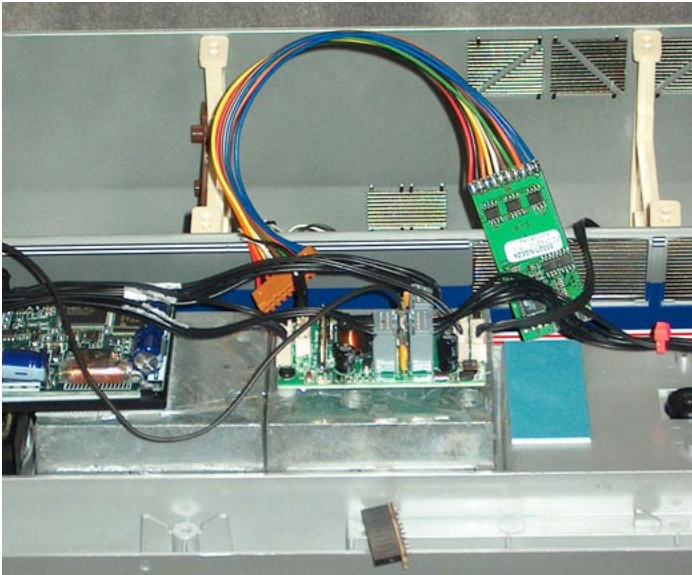
Attention! We strongly recommend authorized service for your LGB product. Neither Ernst Paul Lehmann Patentwerk nor LGB of America will provide support for "do-it-yourself" service or any other unauthorized service. You assume the risk for "do-it-yourself" service or any other unauthorized service.



5. Cut the sound module power leads close to the square plug, then strip and fold (or tin) the wires.



6. Plug the sound module power leads onto pins on loco's main board, then connect the stripped leads to screw posts on sound module (see Step 8 photo).



7. Unplug jumper from loco's main board (jumper shown at bottom of this image). Apply double-stick tape to chassis, offset to right side of loco.



8. Attach 55027 decoder to double-stick tape. Connect plug to loco's main board. **Attention:** Do not reverse plug! Plug should clear three-pin connector on board.



9. Plug the volume control cable into socket on sound module. Reinstall body shell.



10. Attach the volume control to bracket with two small screws (from 69002). Reinstall roof panel.