

LGB 2x410 RhB Tm 2/2 Tractor

Backfitting of a LGB “RhB Tm 2/2” Tractor with a eMotion-S Soundmodule. (Pict 1)
The loco already has a small onboard LGB Dekdoder. The original remains in the locomotive.



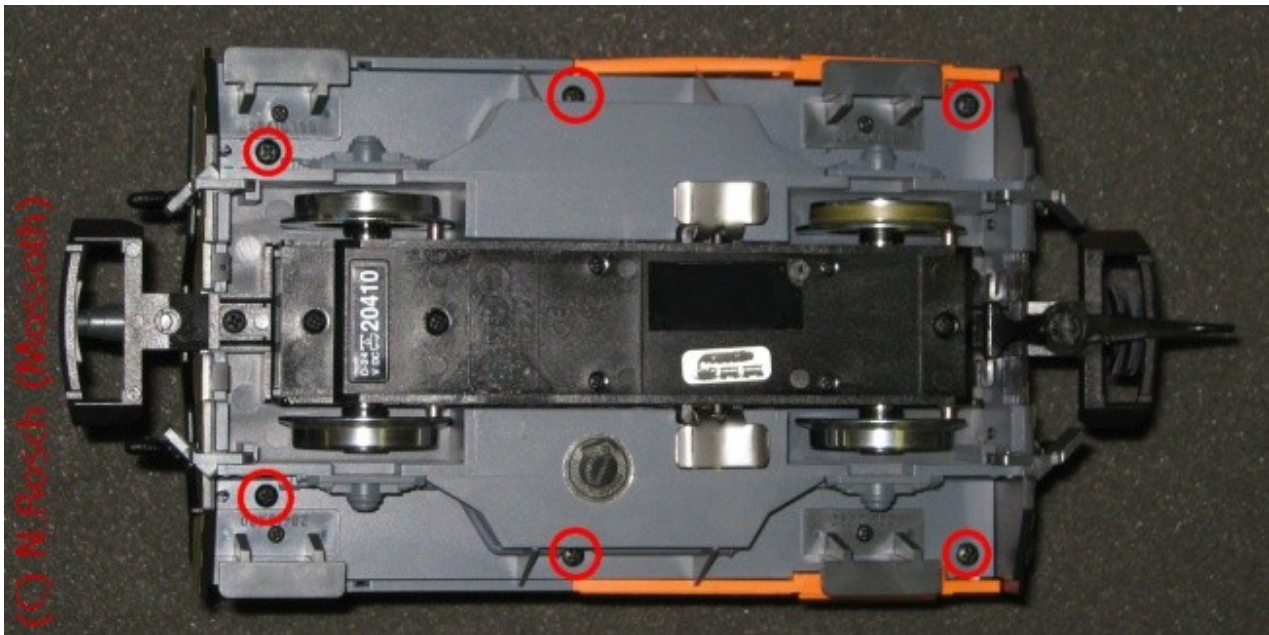
Pict-1: LGB 20410 : “RhB Tm 2/2”

Needed Parts:

1x 8222100 eMotion-S Soundmodule (with Soundupdate 8222041)

1x 8241040 Speaker 40x40 mm

Screws to mount speaker



Pict-2: Opening of the loco.

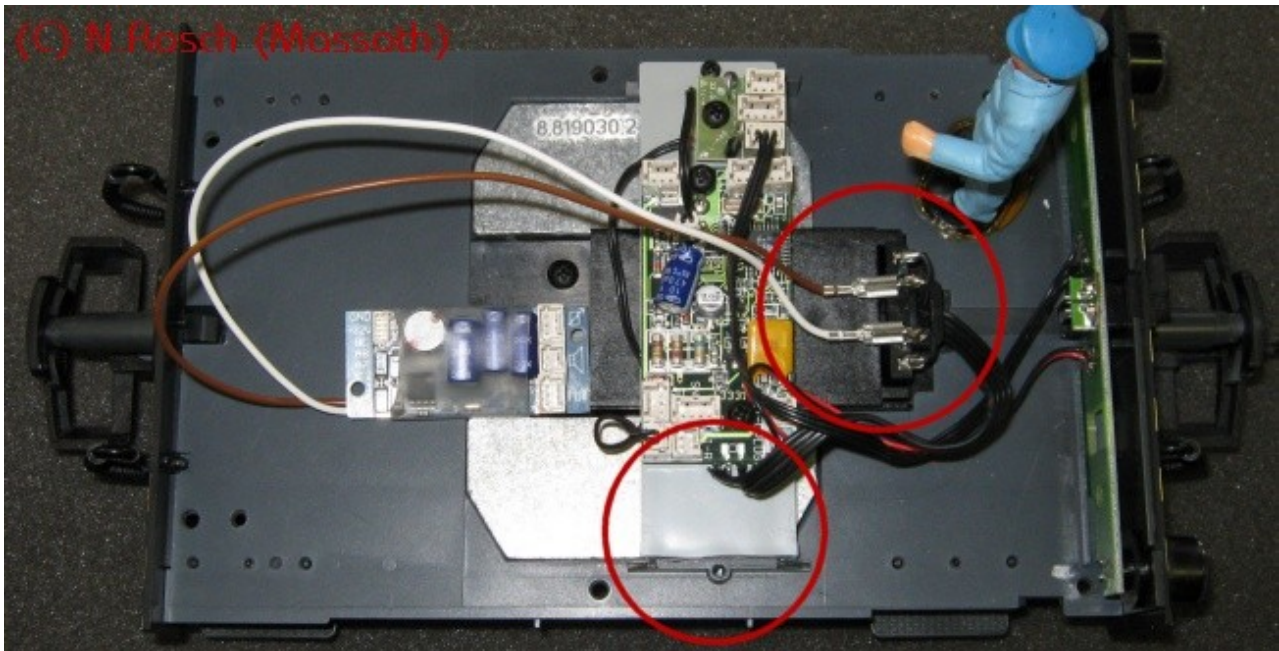
Backfitting:

- Remove the 6 marked screws at the bottom.
- Take first the open platform.
- Remove the cabin.



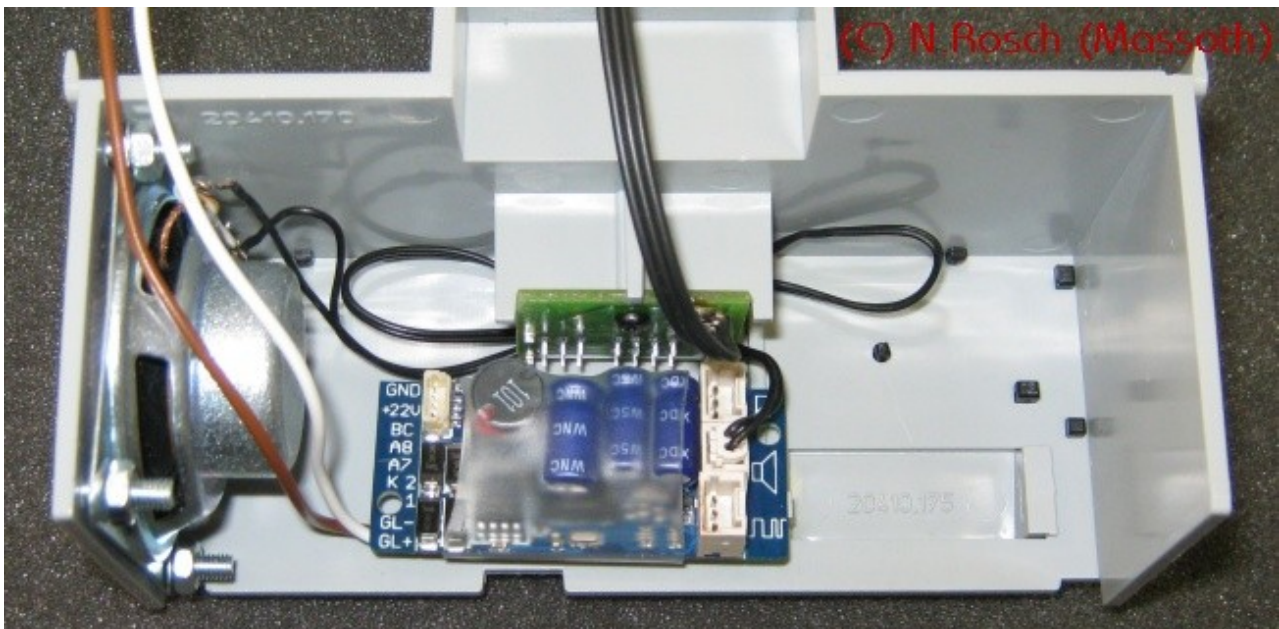
Pict-3: Installing speaker

- Remove the recessed side wall of the cab behind the bars.
- Mount the speaker with 4 Befestigen sie den Lautsprecher mit 4 screws (M3) at the driving panel.



Pict-4: Connecting S-Decoder

- Program the S Decoder before mounting to the same address like the loco decoder.
- Solder the white + brown cable to the “Track+” and “Track-” of the motor connector.
- Remove the lower part of the decoder plate (see marker) so that the speaker fits.



Pict-5: Mounting Decoder

- Mount the decoder in the driving panel.
- Plug the speaker cable to the decoder
- The speaker wire should not be in close to of the track cables because of possible interference !

Programming:

- Cause of the low resonance volume in the loco i raised up the volume : CV200=45.
- To bring the distinctive sound of switching to better advantage, I increased the delay : CV3 + CV4 = 20
- Reduce the top speed of the decoder : CV5=160
- Check before assembling the sound and loco of correct function.
- Assembling the loco in reverse order.zusammenbauen.