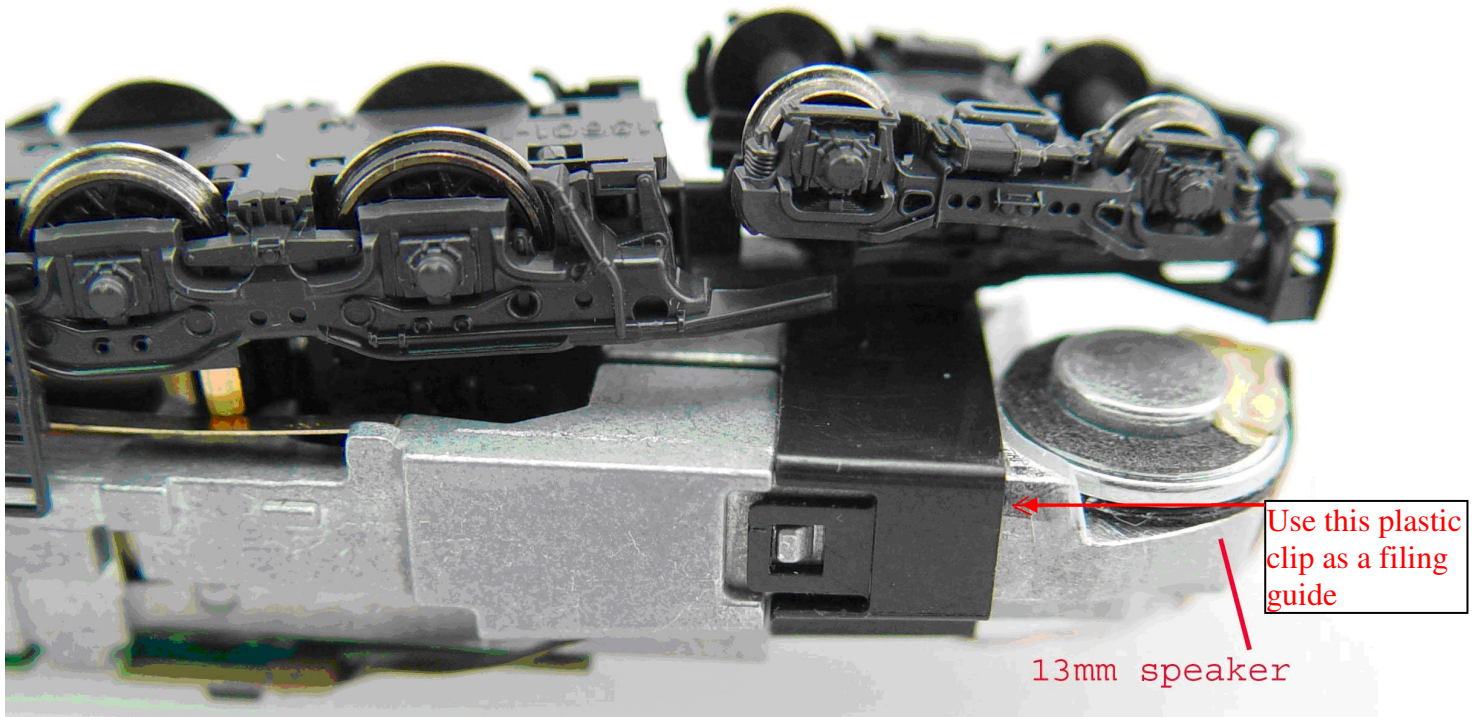
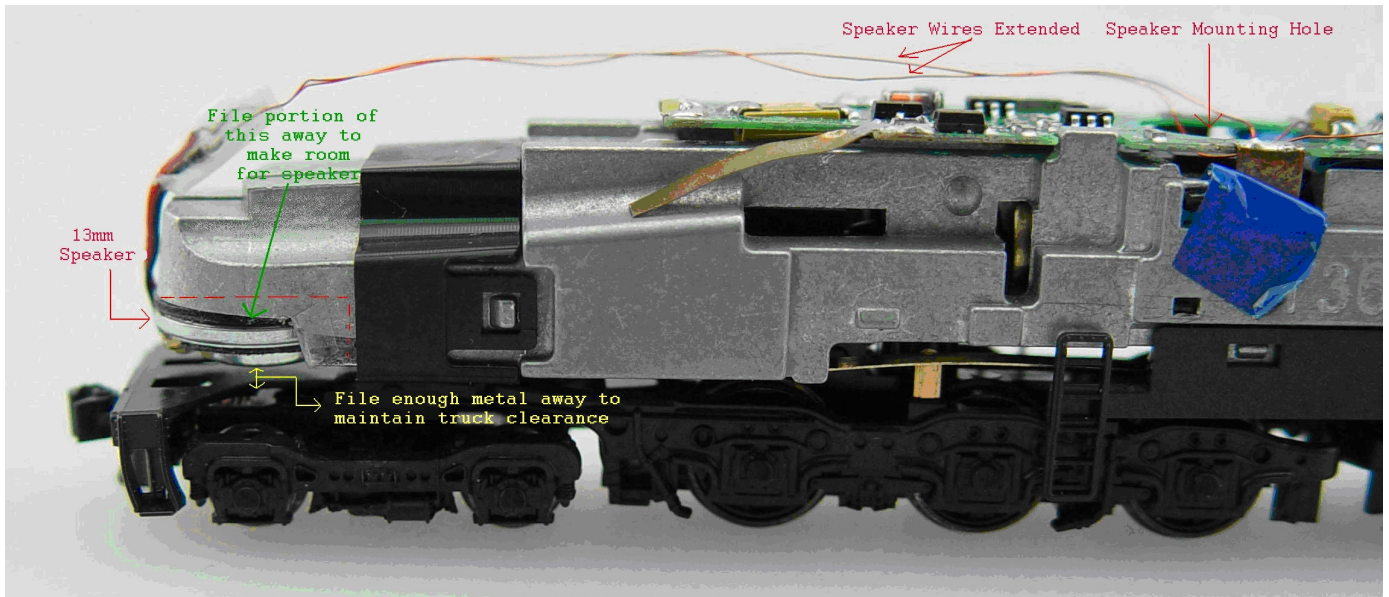


Kato N Scale GG-1 Modification for Larger Speaker Placement

For this modification the locomotive needs to be completely disassembled following the Kato instructions. Remove the motor, gearboxes and trucks from the two chassis halves, to prevent metal shaving from damaging the locos motors and gears.

Place the two sides of the chassis together, and place in a vise to hold them while you file away some of the metal at the very front of the chassis halves. Using the following photos as a guide, do not remove too much of the metal, just enough to give the speaker clearance above the pony truck.

After filing is complete, wash both chassis halves in warm soapy water to remove any metal filings. Test fit the speaker prior to re assembling the entire locomotive.



Using the larger 13mm round speaker increases the volume. After this modification, you should be able to hear the loco from 10 feet away or more.