

Scale Trains 2025+ ES44 Speaker Installation

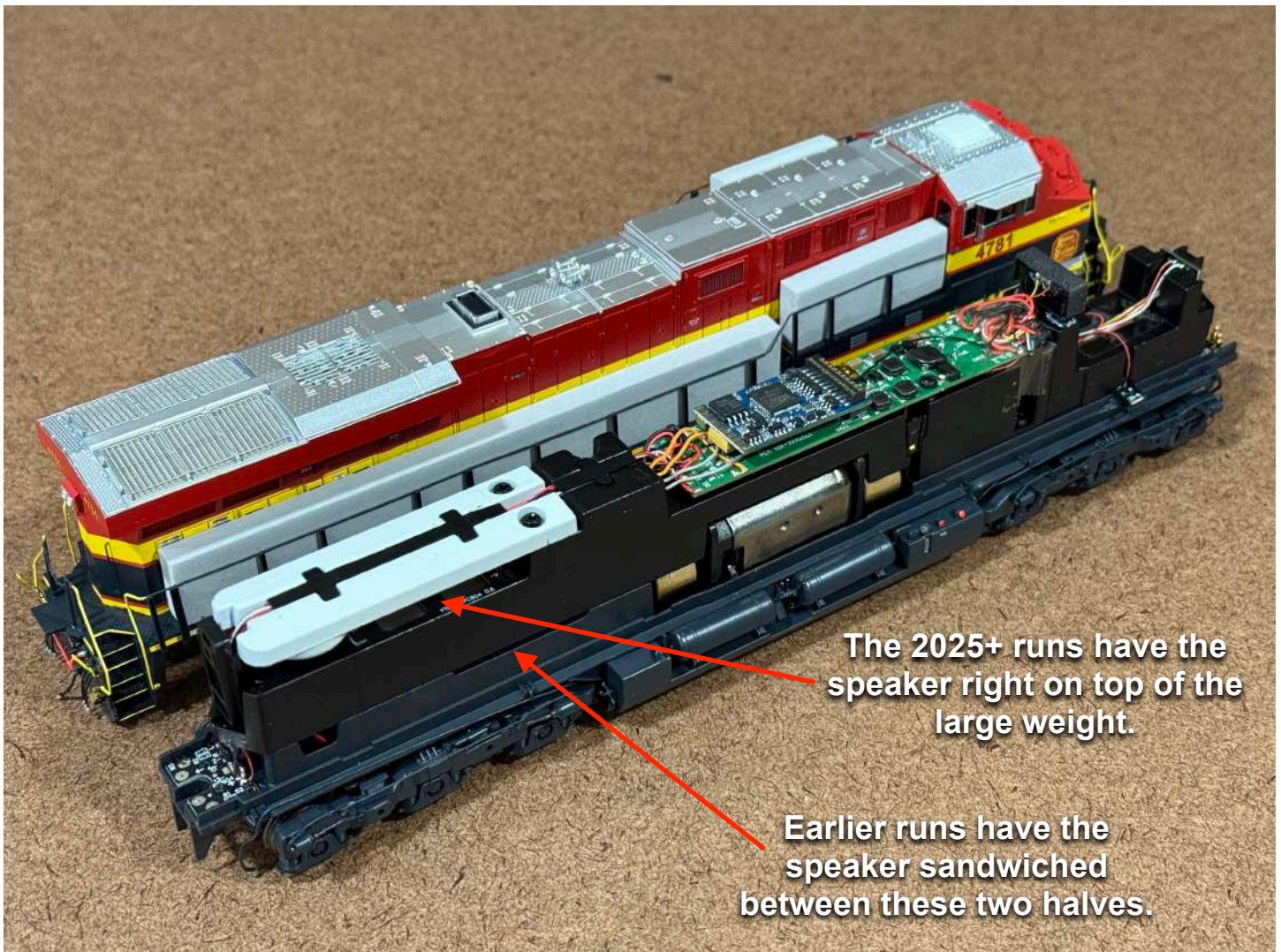
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This guide covers the speaker replacement/installation options for the 2025+ release of Scale Trains ES44 locomotives. This production-run comes from the factory with a “twin-cube” speaker installed under a PCB atop the main weight, under the gray radiator-weight.

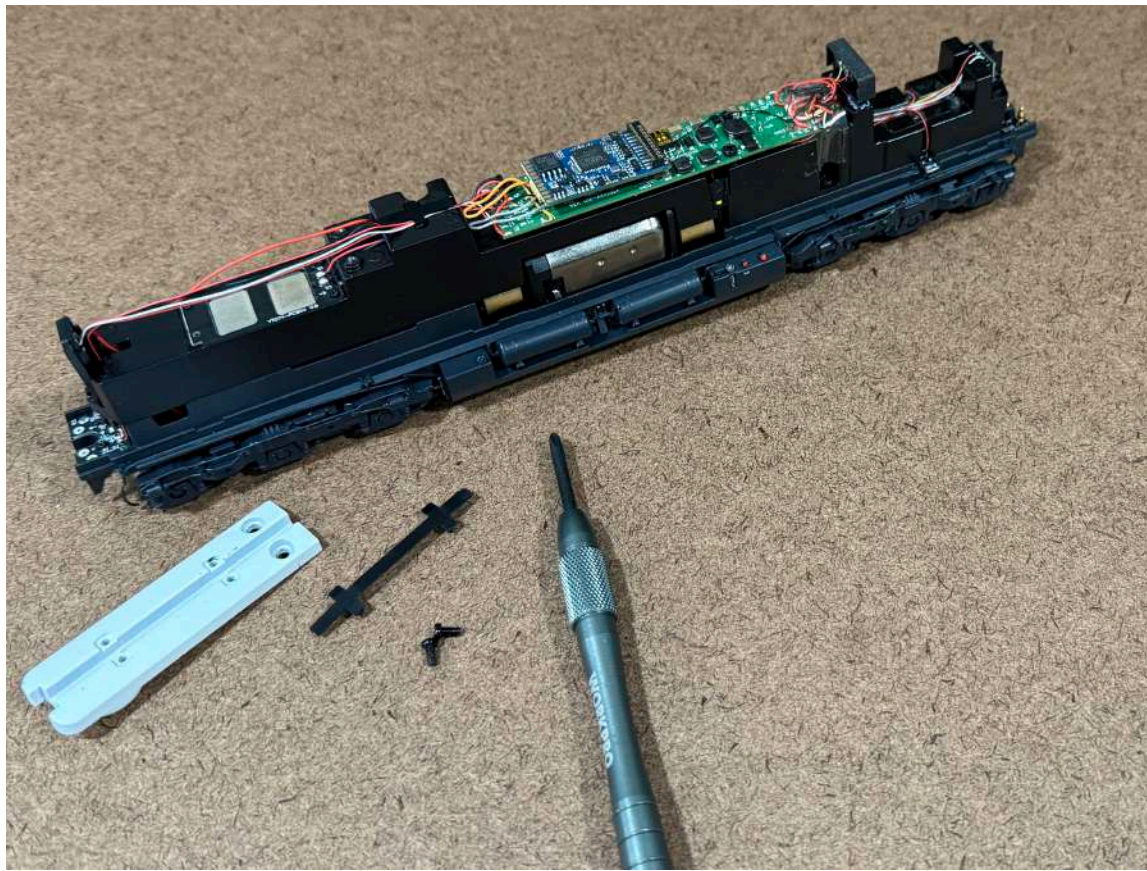
Earlier runs of the ES44-variant models have a “twin-cube” speaker sandwiched between the main chassis-halves with soldered wires. This guide does not apply to these earlier runs.

There are two speaker options available. The SXT-H-UNI1 will replace the stock speaker and retain the gray radiator-weight. The SXT-H-ES44 replaces the entire radiator-weight and uses its screws to mount. This speaker is much larger than either stock-size option and provides a deeper sound.

Lets begin with a look at the stock locomotive as it comes out of the box. At first glance it appears identical to earlier runs. Upon closer examination, we see the speaker is more conveniently located on top, instead of in the middle, of the weight.

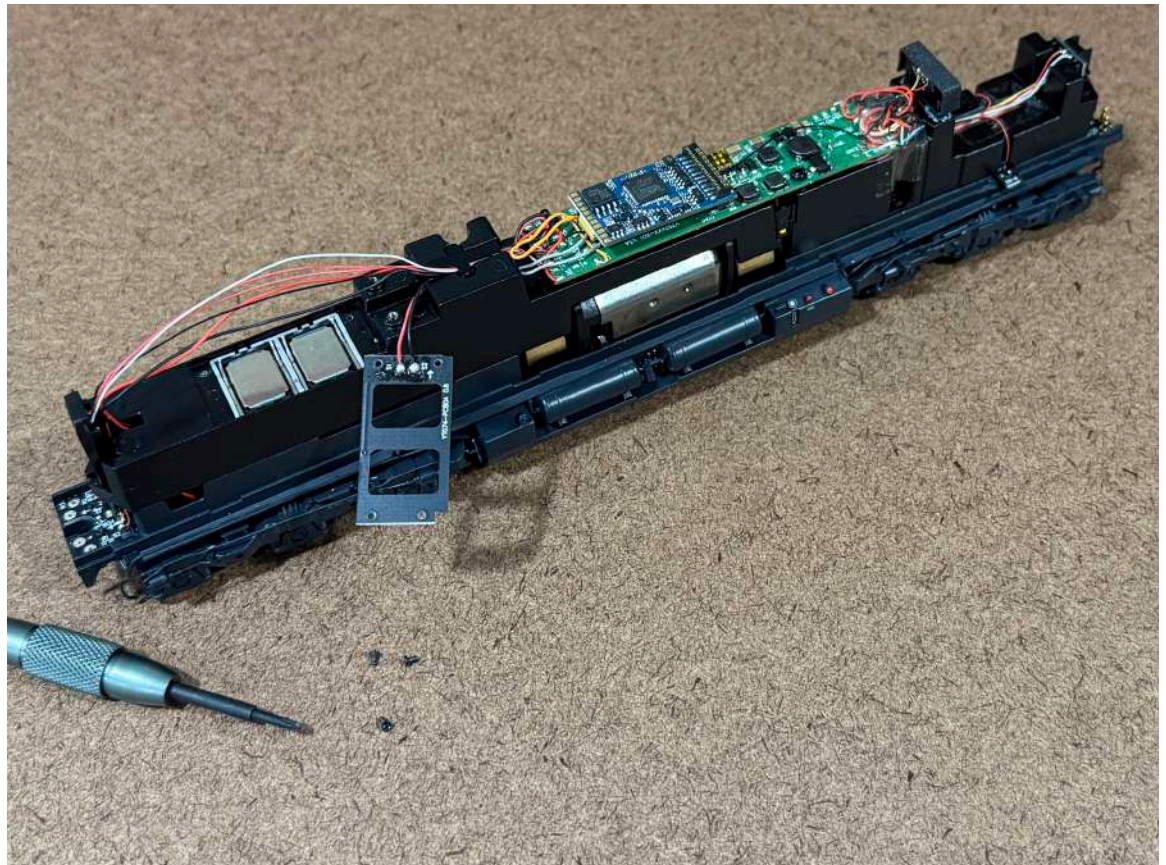


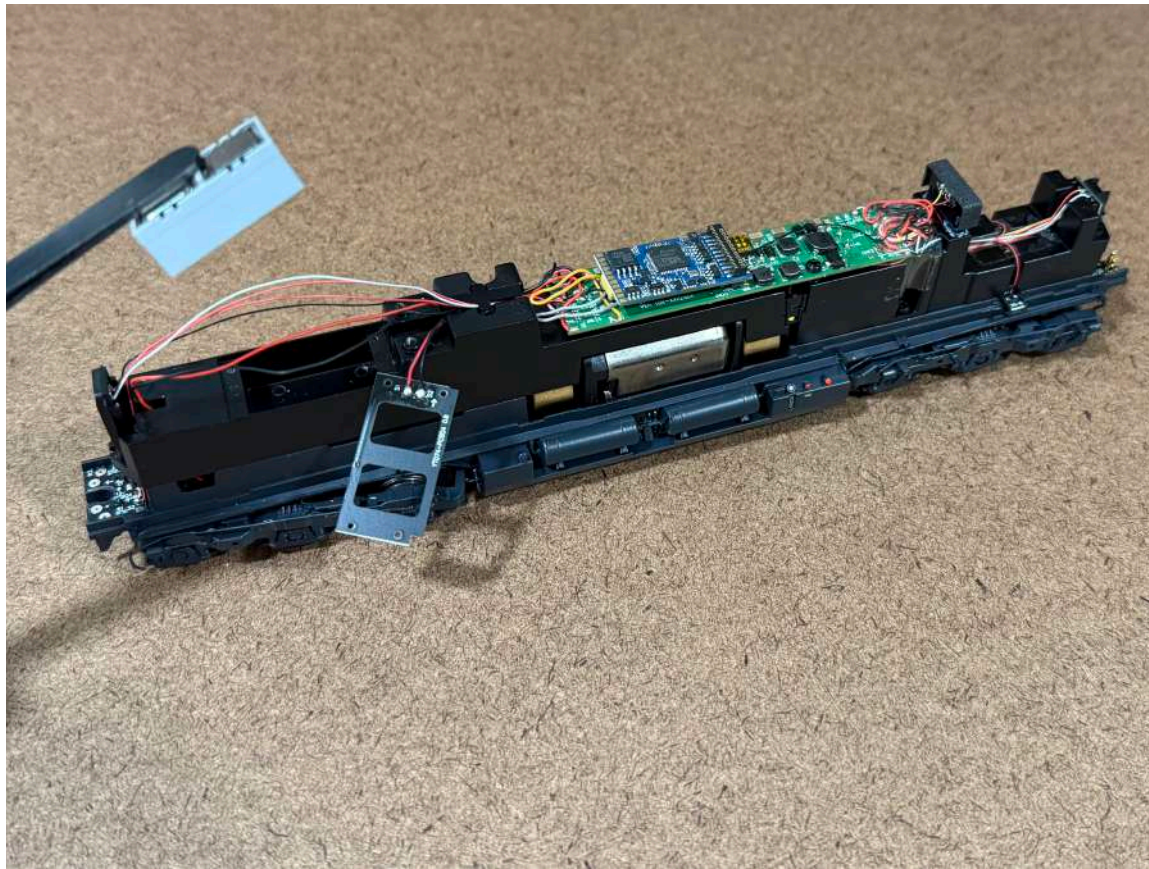
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Remove the black, wire retainer by simply popping it off with a flat-head screw-driver. Remove both radiator-weight screws and wiggle the weight free.

Remove the tiny screws that secure the speaker PCB.



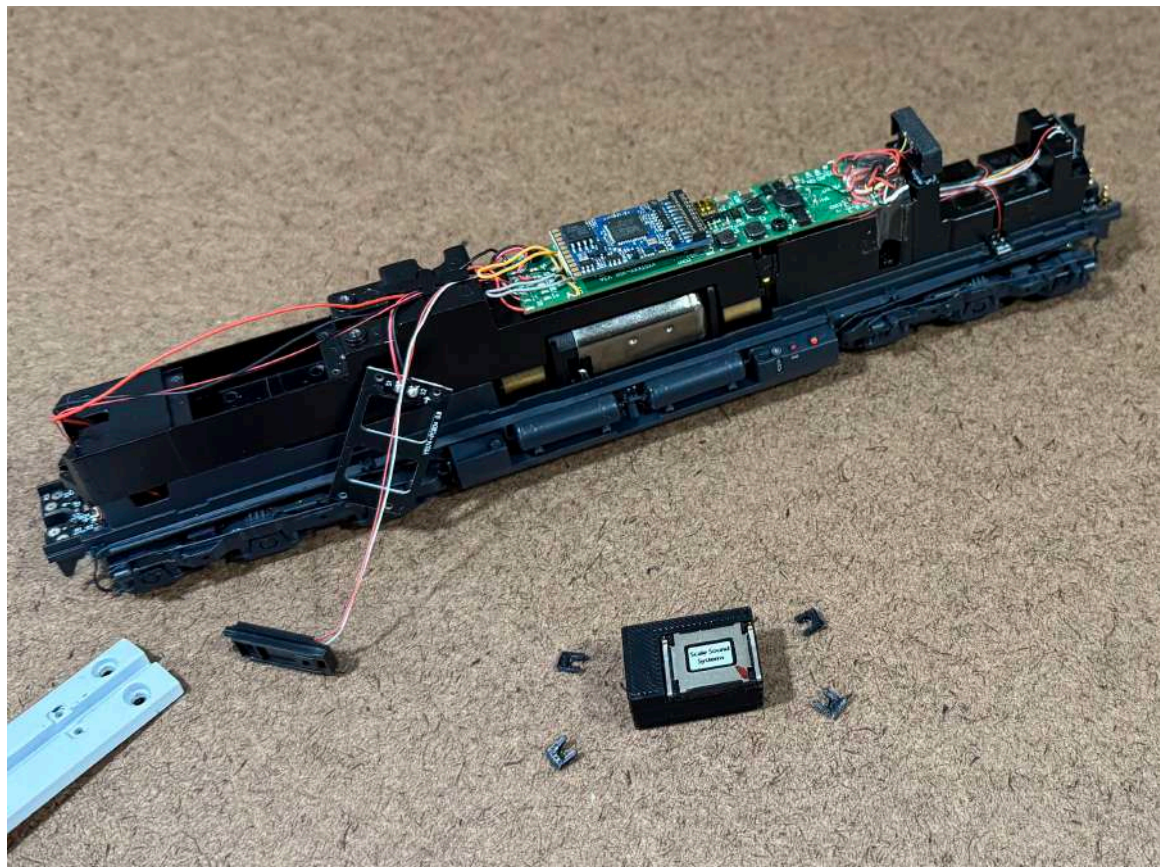


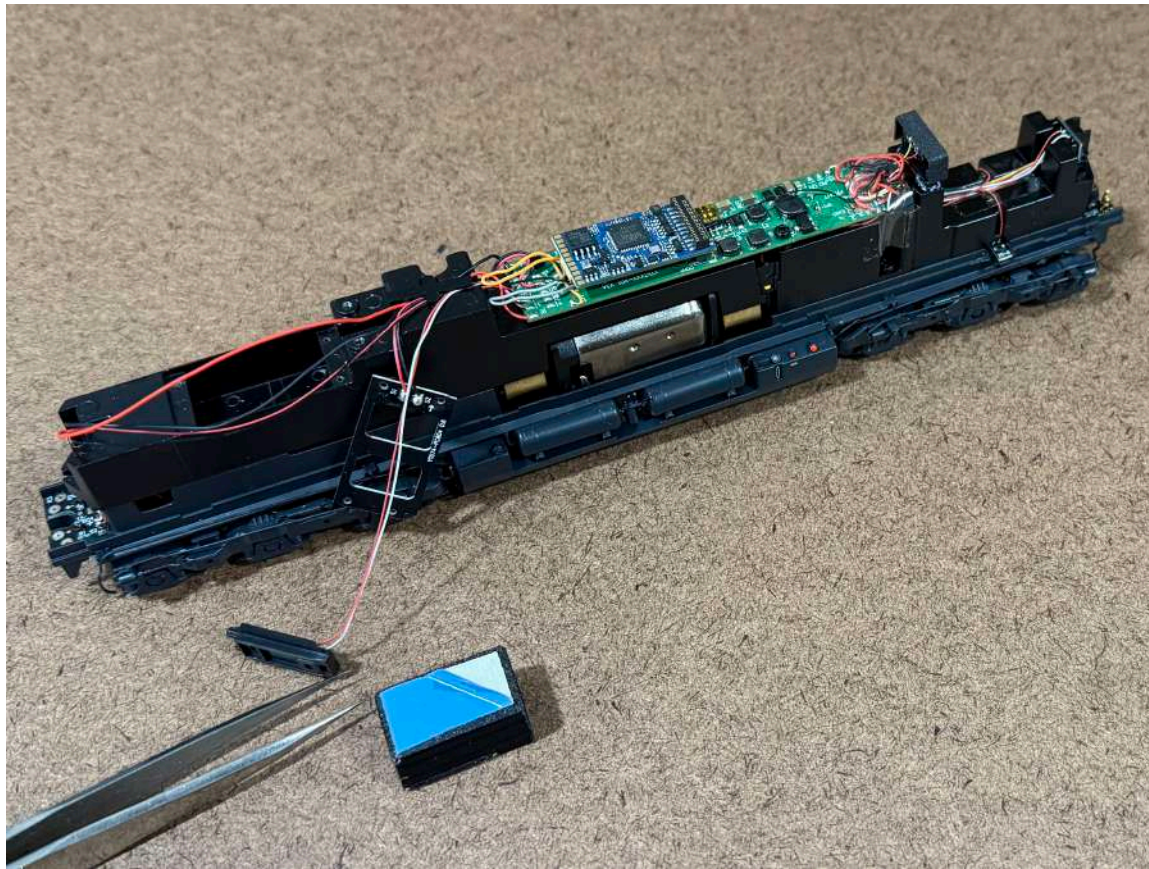
I used the handle-end of metal tweezers to magnetically lift the stock speaker out of the cavity

The rear light-fitting wiggles right out of its "socket" on the rear and makes things easier being out of the way.

If you want to retain the radiator-weight, use either an SXTH-UNI1 or SXTH-UNI2 speaker upgrade. Nip the mounting-ears from the enclosure

Unsolder the stock speaker wire and free the speaker PCB/wires from the chassis.

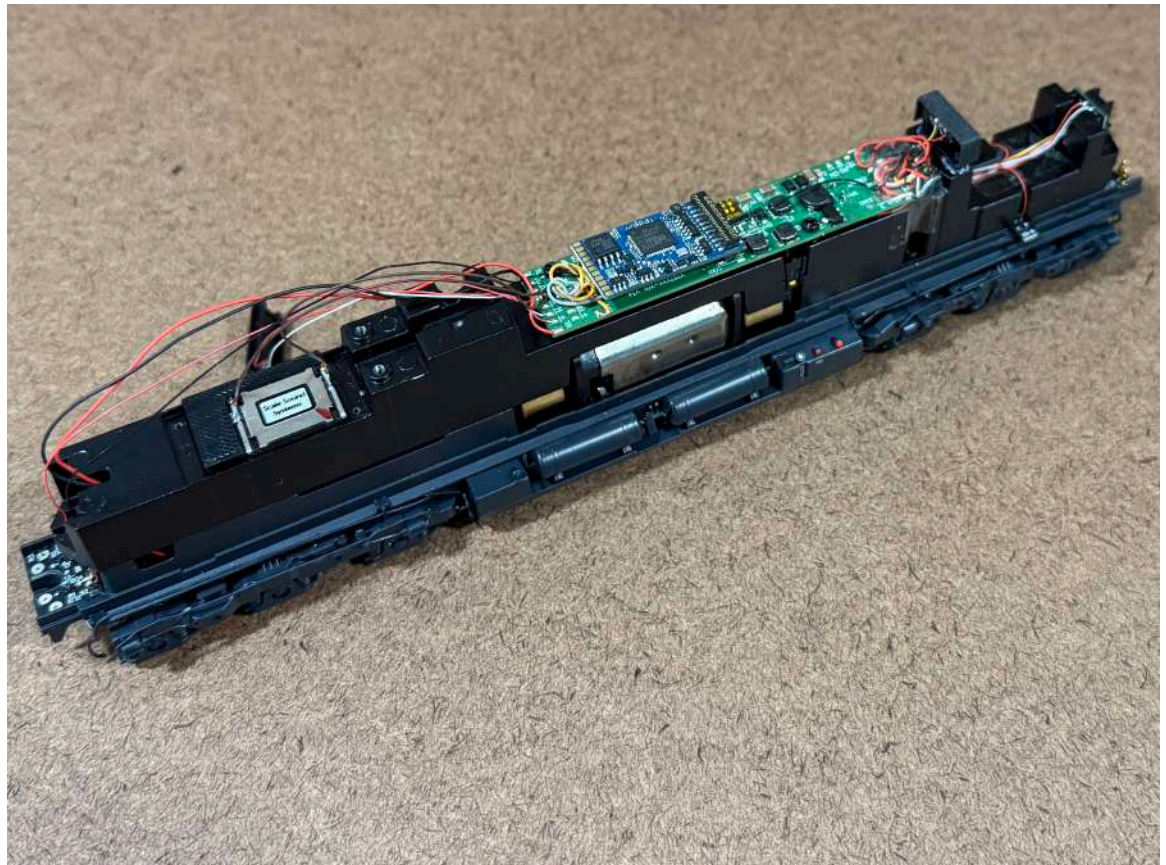


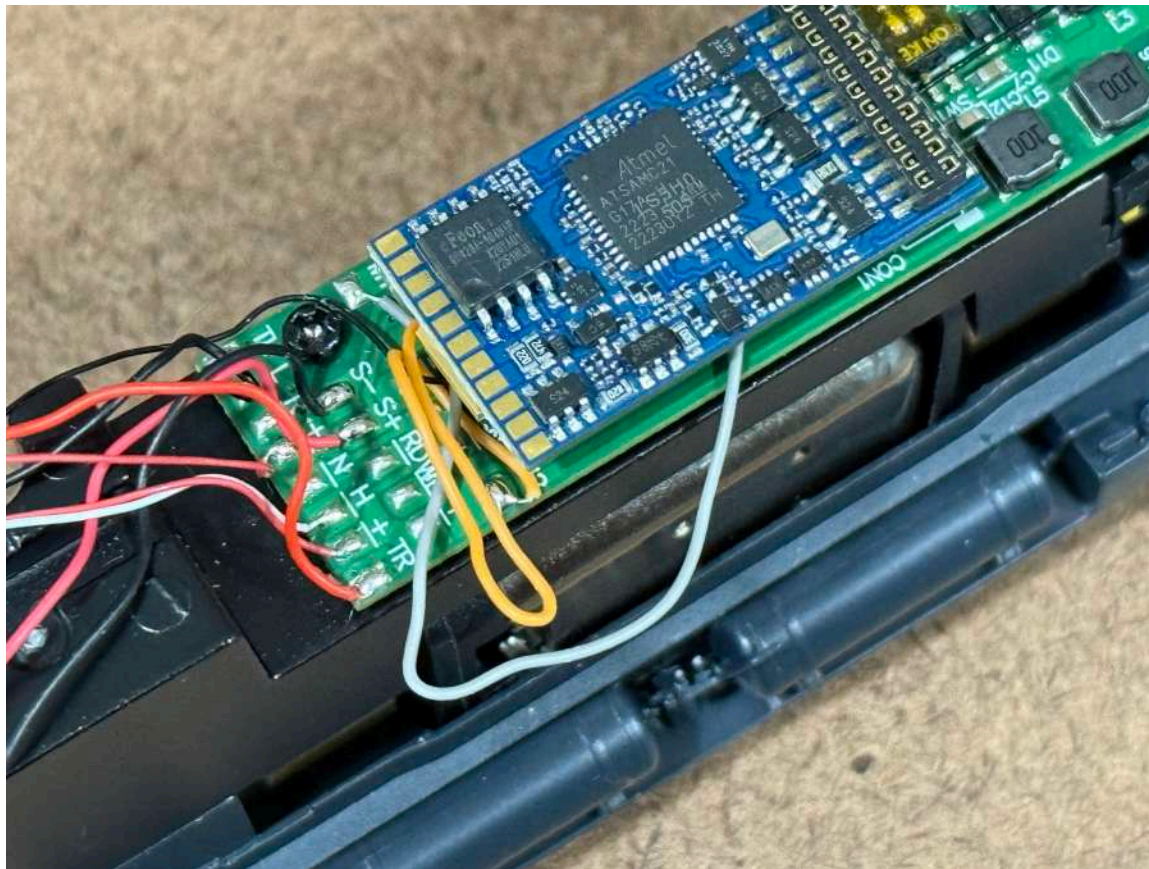


You can secure the UNI1/UNI2 speaker with either double-sided mounting-tape on the bottom of the enclosure or a strap of tape over the top of the speaker and down the sides of the chassis. Either way works.

See the step on the next page if you need to replace or add the speaker wires.

Solder the speaker wires, reinstall the radiator-weight, reinstall the rear light-fitting, redress the wires and you're done!





If you need to replace or add speaker wires, the solder pads are at the rear of the decoder and are labeled S- and S+.

If you're installing the larger SXTH-ES44 speaker, carefully maneuver it through the wires and down into the cavity. Simply use the radiator-weight screws to secure the speaker.

Solder the speaker wires, reinstall the rear light-fitting, redress the wires with a strap or two of tape and you're done!

