



Aristocraft EMD SD45

The SD-45 comes with a speaker, installed by Aristocraft, that points up through the fan grillwork. This speaker is wired to a 3 conductor mox plug (“speaker” or “spkr”) on their circuit board. This speaker appears to be of average quality but the positioning does not contribute to good acoustic performance.

Our recommendation is to remove the center lead weight and mount the 2.5” oval speaker to the bottom of the fuel tank. In some locomotives the lead weight is both glued and bolted, in this case speaker installation will be a bit more difficult. Holes must be drilled to allow the sound to exit the fuel tank. Run the speaker wires up through the hole that the weight attachment screw went through. The Aristocraft speaker may be wired in parallel with our speaker to give increased volume. If you plan on driving a speaker in a following engine, only one speaker per engine is recommended. Remember that the amplifier can not drive a load of less than 4 Ω speaker load.

The Volume Control:

Mount under the removable cover on top of the engine. If you mount the switch in the front wall of the switch recess you won’t have to shorten the handle, which would hit the cover if mounted up with the other switches.

Power for the sound board:

Plug the board into the 2 conductor mox connector labeled “sound pwr”. If you are using DCC, you will need to power the sound board directly from the track pick ups and not from the socket Aristocraft provides. This socket is on the motor side output and does not pass DCC information.

