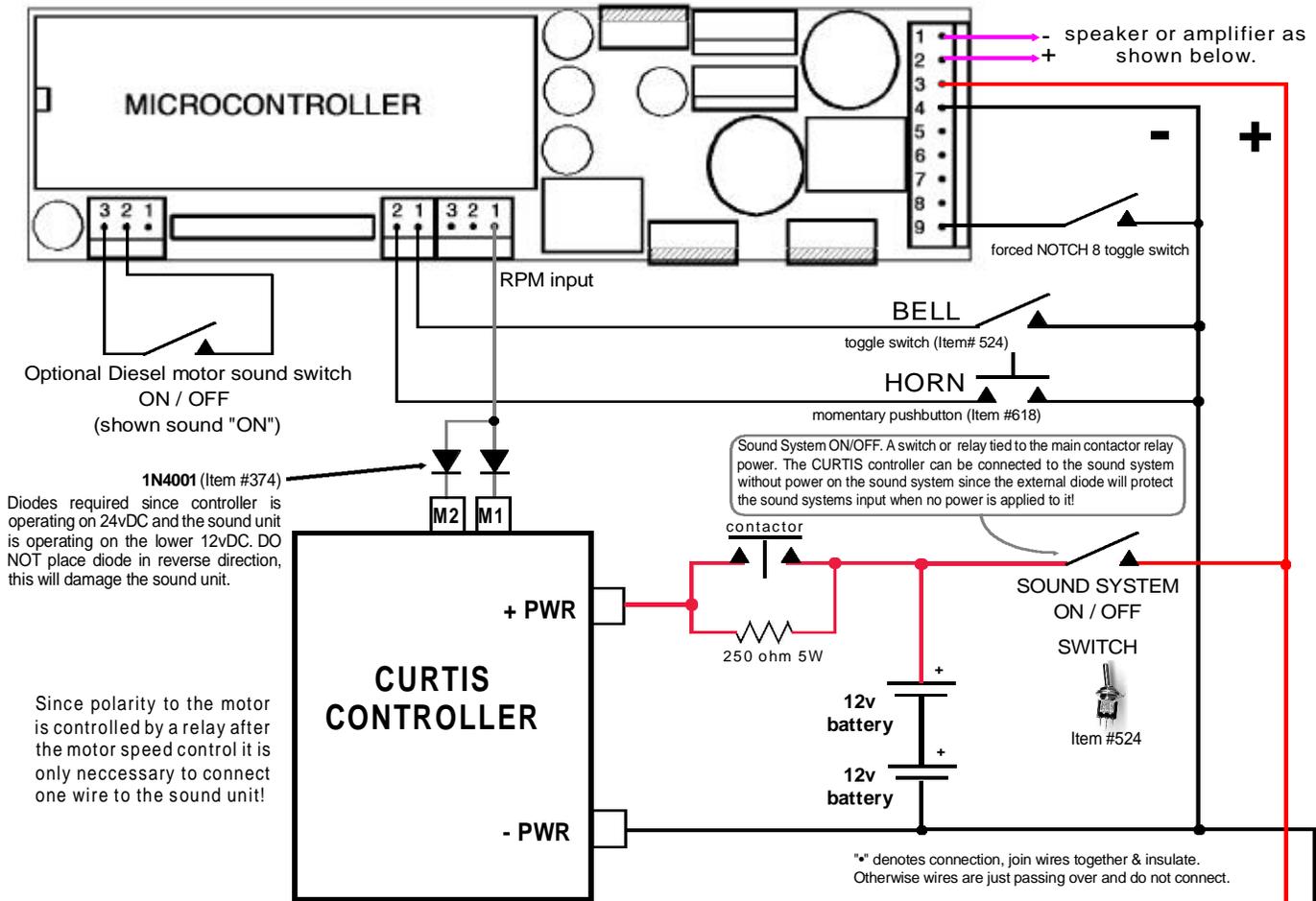
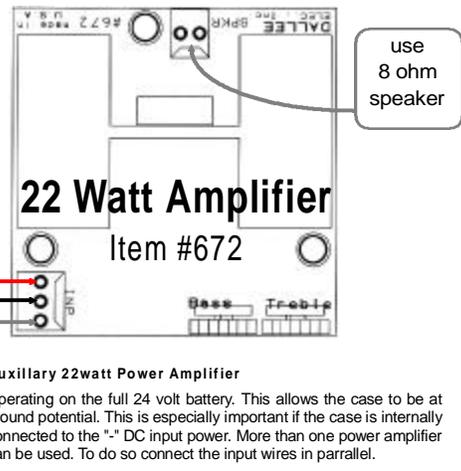
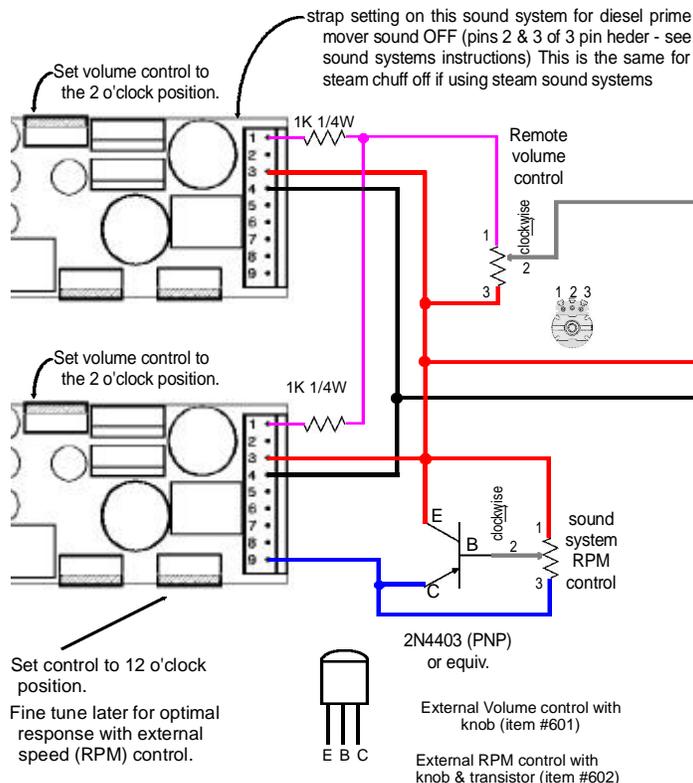


# CURTIS motor controller installation using motor power for notch settings and switches for HORN, BELL, and Notch 8. Sound unit and auxillary amplifier operating from lower 12 volts.



By using two sound systems you can create the most realistic operation. For diesels, one is wired for no motor sound thus providing the HORN & BELL. The other is wired to the controller without any HORN / BELL inputs, thus providing only the prime mover sound!



When connecting two sound systems as shown, the top unit should be wired for the Horn and Bell inputs as shown in the above drawing. The bottom unit produces the prime mover sound. The remote RPM control is only needed if the sound system is not set for motor speed input from the controller. If speed input is set from the controller do not also connect the RPM control and transistor to pin 9. Connect the controller motor speed input as shown above to pin 1 of the DC input connector (labeled RPM input in the above drawing).

The audio wires should be kept close to the amplifier input since they are not shielded from external noise. The audio output from the amplifier can be left long since this is a low impedance line. For best noise immunity place the 1k resistors and volume control in a metal enclosure (grounded for proper shielding), then take the sound unit's audio output through a twisted pair to the 1k resistor.