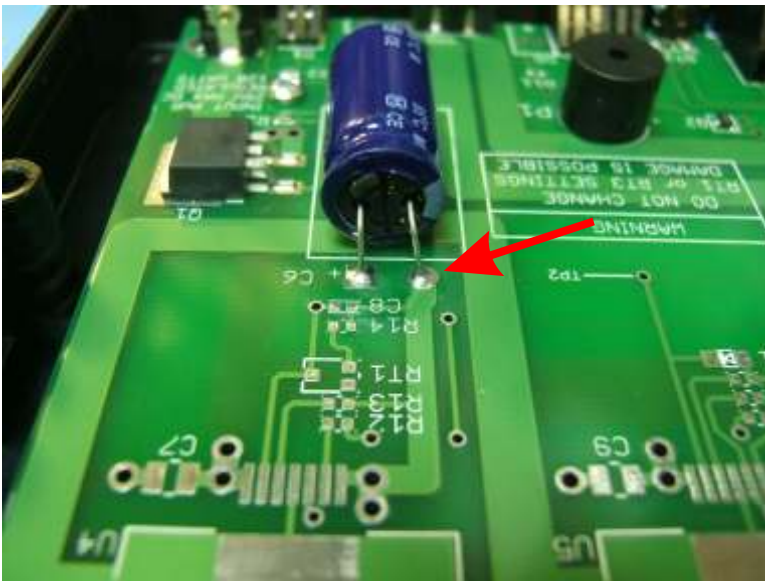


Implementing A Common Booster Ground - "Bonding"



- From bottom of chassis, remove the two screws that hold the top cover to the bottom chassis.
- Locate the large filter capacitor, C6, shown with the red circle. In this photo, a SZB7 is shown but any ZoneMaster Booster will have the filter capacitor located at the same spot.
- Notice that the C6 mounts into a square and a round pad. The round pad is the Booster ground. This is where you will connect your ground wire.
- Use a piece of #18 AWG wire. Make the wire about 24 inches long. Either stranded or solid is OK although stranded is more flexible and easier to use.



- Remove about ½ inch of insulation. Twist the wires together and apply a bit of solder to hold the twisted wires together.
- Bend the end of the wire into the shape of a "J."
- Solder the new ground wire to the C6 lead that goes into the round pad. The arrow shows the proper lead.
- If the rear panel of your ZoneMaster is perforated, simply push the new ground wire out through any one of the holes. If the rear panel is solid, drill a hole and push the ground wire through the hole.
- Carefully inspect your job and insure that there is no bare wire touching other parts of the ZoneMaster circuit board.



- Reattach the top cover to conclude the job.
- Reinstall your ZoneMaster on your layout.
- Using additional lengths of #18 wire, connect all of the ZoneMaster grounds together and use wire nuts for connections. This allows the booster to be removed should the need should ever arise.
- Now that the grounds have been made common, any accidental short circuits between boosters will have the fault current flowing through the large ground wire and not the small modular cables.

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