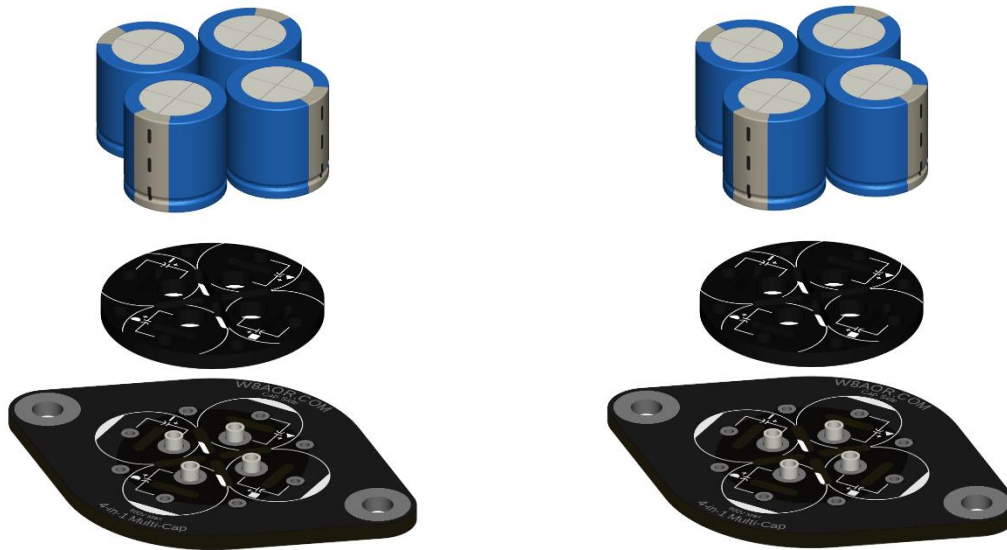


McIntosh C26 Can Capacitor Replacement Kit

ProAudio Electronics

www.proaudioe.com



Thank you for your order! This kit is designed to replace the two original multi-section can capacitors used in the power supply section of the McIntosh C26 preamplifier. Four Nichicon 220uF/200V aluminum electrolytic capacitors are included, providing a slight improvement in supply filtration over the original cans which (depending on serial number) typically included one 160uF/200V and one 200uF/150V capacitor per can.

Two custom capacitor mounting boards are used to fit the included capacitors. These boards use thick 2-ounce copper and robust wiring turrets to provide an elegant mounting solution that simplifies future cap replacement.

If you have any questions, concerns, or feedback, please feel free to send us a message:

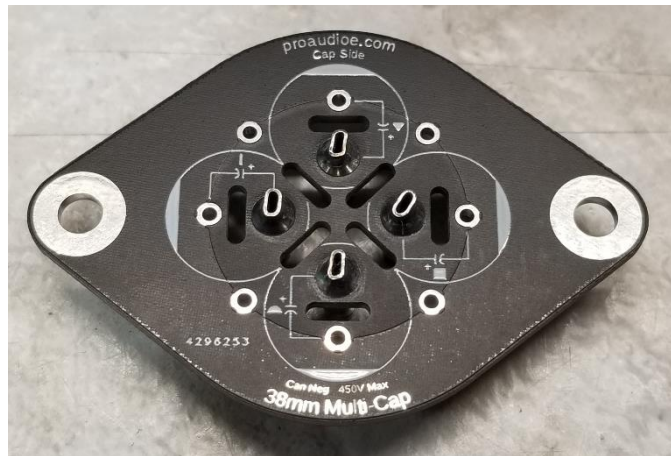
www.proaudioe.com/contact

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Installation

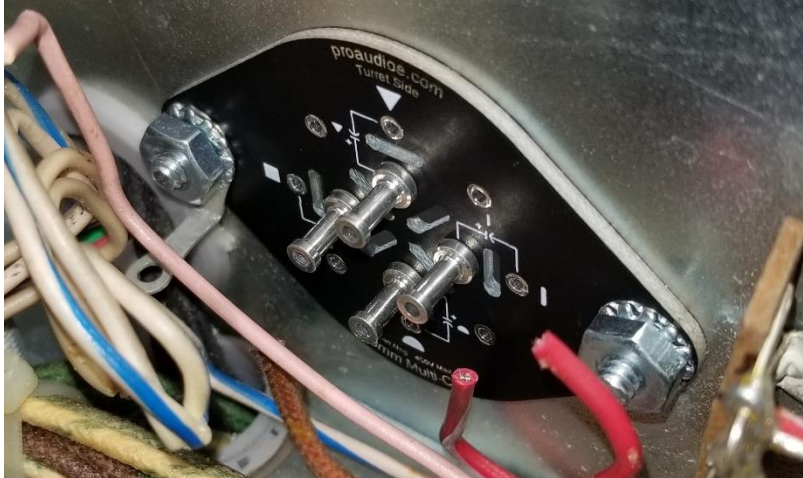
1. **Take pictures or make a diagram of the original wiring scheme.** Make note of the number of wires attached to each tab, their color codes, and the symbol associated with them (e.g. square, triangle, half-circle, or dash)
2. Cut out the original wires as close to the can's tabs as possible
3. Drill out both rivets holding each can in place and remove the cans. Be sure to blow out the unit with compressed air afterwards to get rid of any metal shavings that may have been created when drilling
4. Mount the wiring turrets on the capacitor boards:
 - Place the long end of each turret on the side of the board labeled **Turret Side**
 - Flip the board over to the **Cap Side**. With snub nose pliers, gently crimp the short end of each turret just enough to make them mechanically secure. **Do not crimp the turrets all the way shut: you must leave an opening wide enough for the positive leads of each capacitor to pass through**
 - Solder the short ends of each turret in place. Try to avoid getting solder inside the turrets, that way the capacitor leads can pass through them



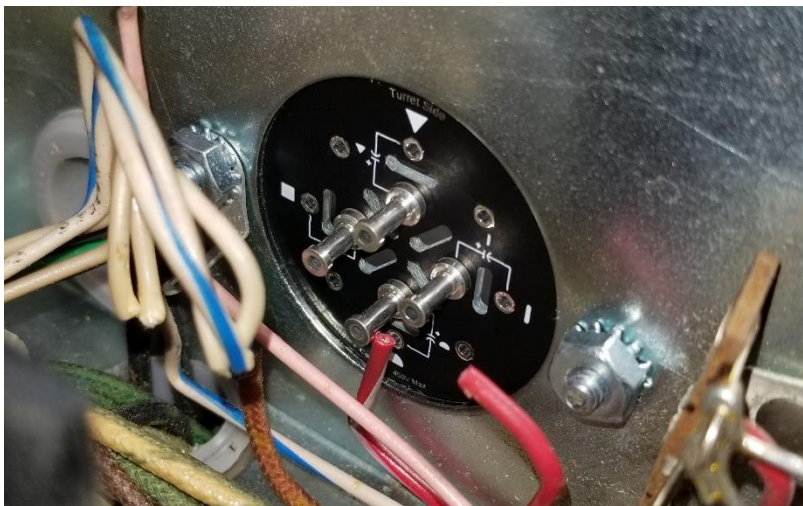
Cap Side after crimping and soldering the turrets. Note how there is still enough of an opening for the positive leads of each capacitor to pass through them

5. Place the included spacer boards over the sides of the capacitor boards labeled **Cap Side**
6. Insert your new capacitors. Two 220uF/200V capacitors will be used per board. They will sit on the **Cap Side** of the board with the positive leads pointing inwards (going through the centers of the turrets) and the negative leads pointing outwards. Silkscreen references are provided to indicate polarity. *The negative leads of each capacitor are tied together through an outer ring of copper. They also tie to both plated mounting holes, facilitating the connection to chassis ground*
 - **Note:** The symbols stamped on your original can may not align with the positioning of the symbols on the capacitor board. This is because the original cans could be rotated before installation, so not all models used them oriented in the same way

7. Solder the negative leads of each capacitor in place. Leave the positive leads unsoldered until the very end, after the turrets are wired up
8. Mount the assembled capacitor board in your unit using the included #6-32 machine screws and nuts
 - This kit can be mounted one of two ways: with the *capacitors* going through the mounting hole, or with the *turrets* going through the mounting hole. *Choose whichever method works best with the amount of space you have available.* Since this kit is intended to be chassis grounded, only the four inner turrets will possess a high voltage with respect to ground



Method 1: Capacitors stick up through the mounting hole

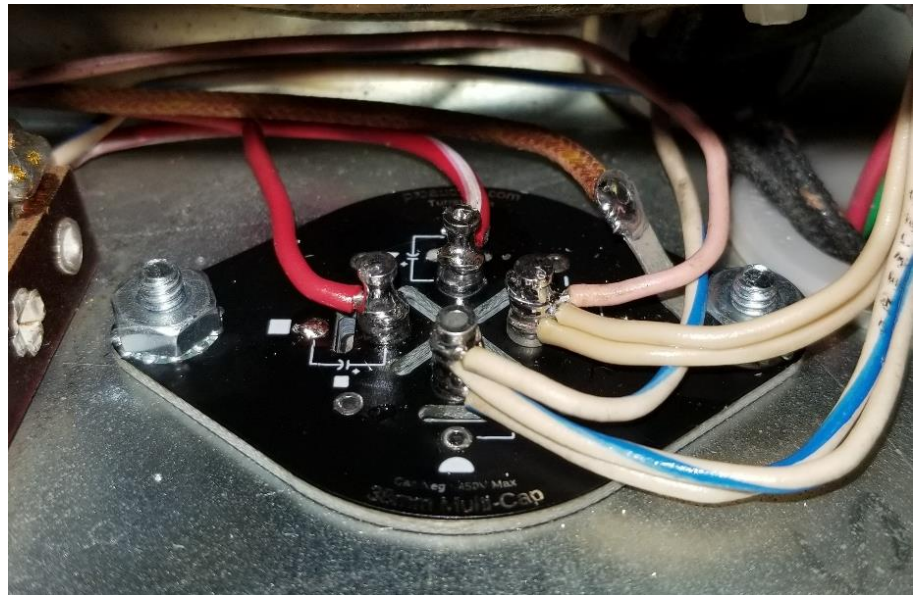


Method 2: Turrets stick down through the mounting hole

9. Wire up the capacitor mounting boards, referring to the pictures or diagrams you made at the beginning. If your original cans had an additional wire connected to one of the outer twist tabs (i.e. connected to chassis ground), the included tooth lock solder lugs can be placed under one of the mounting nuts in order to facilitate this connection. You can also use one of the four extra plated through-holes that are tied to the outer copper ground ring
10. **Triple check your work.** We recommend powering up the unit slowly with a variac and dim bulb tester (i.e. a common incandescent lightbulb wired in series with the AC inlet) while monitoring supply voltages to confirm that everything is working as expected



Installation in a C26



This picture shows a completed installation from a McIntosh MC2100. The C26 only requires two turrets per board, but the final result should look similar to this

McIntosh C26 Power Supply Schematic

