

Marantz 2270 Capacitor Replacement Board (MZ-CAP-2)

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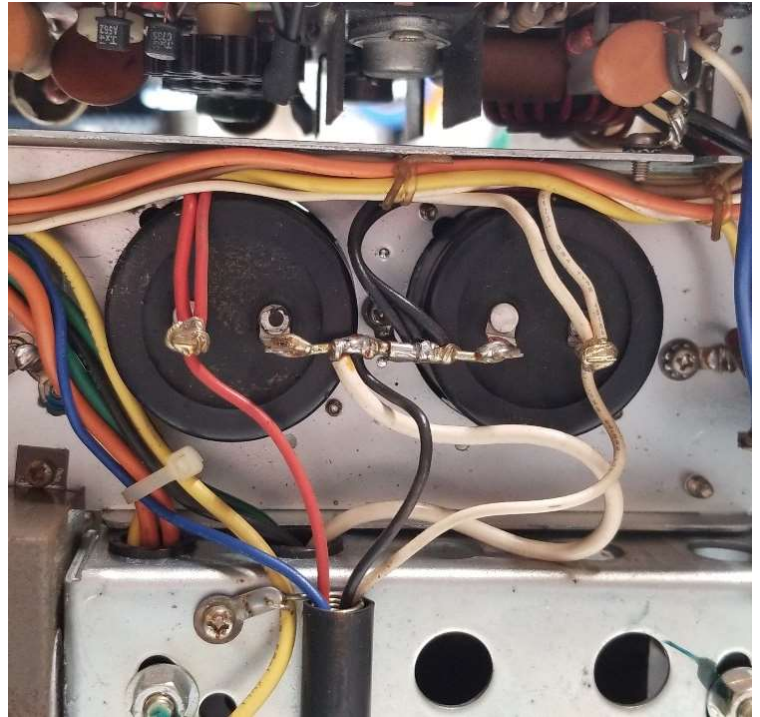


Thank you for your order! This kit is designed to replace both 9000 uF/55 V electrolytic capacitors used in the Marantz 2700. A custom designed PCB attaches to the mounting holes used by the original capacitors, providing footprints for two snap-in capacitors and eleven robust wiring turrets. This simplifies future capacitor replacement and allows for more flexibility when selecting new caps.

The board comes preassembled with two genuine Nichicon LGY series 10000 uF / 63 V aluminum electrolytic capacitors. Installation is straightforward and involves removing the original capacitors, mounting the new capacitor board, and wiring it up.

Installation

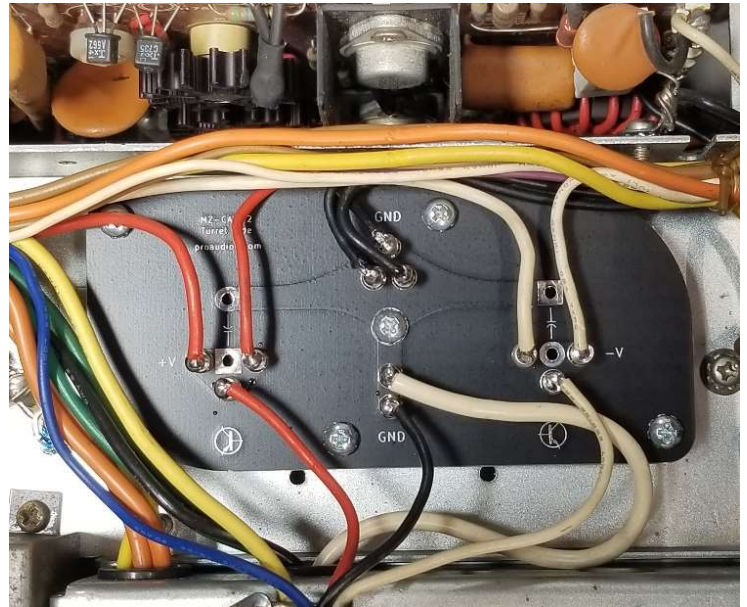
- Take pictures or make a clear diagram of the original capacitor's wiring scheme in your unit. In our 2270, the center-tap of the transformer's secondary and the negative supply wires are both white; be careful not to mix these up when wiring up the new capacitor board
- Remove both original capacitors by trimming the wires close to their terminals, removing one screw holding the grounding post in place between them, and removing four screws holding the capacitor mounting brackets in place. Try to save as much wire length as possible
- With the unit on its side, rotate the new capacitor board so that the three “-V” turrets (negative supply) are closest to the line fuse holder on the back panel. Now insert the board through the bottom of the unit and use the five included screws to mount it where the original capacitors were. It may help to first loosen the screws holding the threaded standoffs on the board in place



Original capacitor wiring in our 2270



- When the new board is mounted and all screws are tight, refer to your picture or diagram from earlier and wire up the board. Strip back each wire by about ¼”, then either insert them into the tops of each turret or wrap them around before soldering them. The three “+V” turrets correspond to the positive supply rail, the three “-V” turrets correspond to the negative supply rail, and the five “GND” turrets correspond to supply ground which is tied to chassis via the center screw



New capacitor board wired up

- Triple check your wiring against the pictures or diagram you made at the beginning

We recommend powering the unit up slowly with a dim bulb tester (*i.e. a common incandescent lightbulb wired in series with the AC line input*) and variac while monitoring the supply voltages to confirm that everything is working as expected

Specifications:	
Board Material	1.6 mm thick FR-4 (TG150, CTI >175)
Board Finish	Pb-free solder, matte black solder mask
Copper Thickness	2 oz. (70 µm), traces duplicated on both sides
Capacitors	2 x Nichicon LGY series 10000 µF @ 63 V

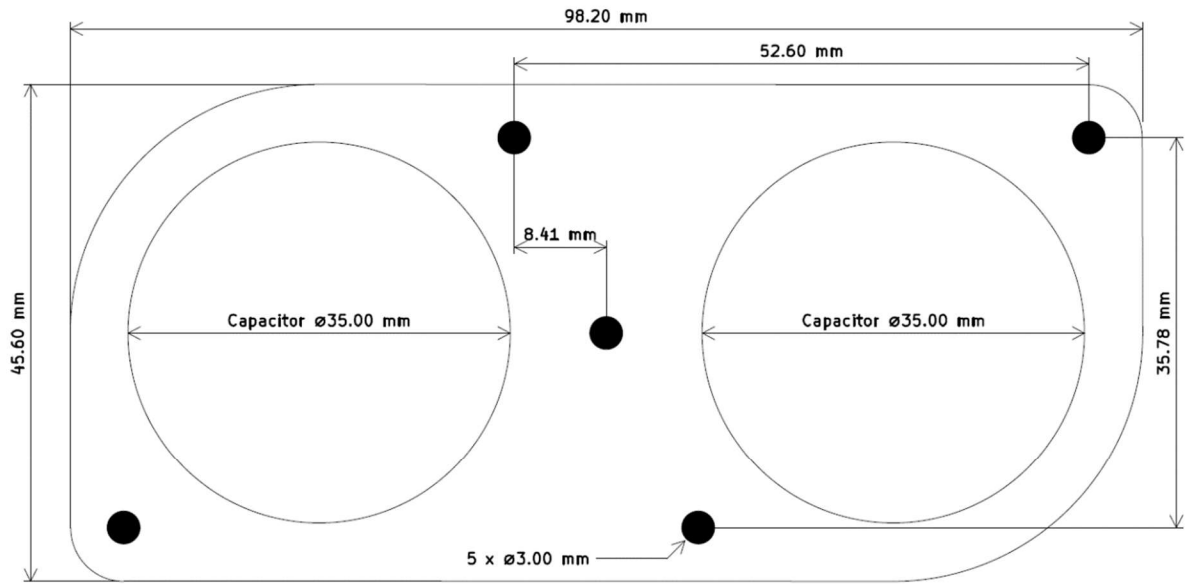
If you have any questions, concerns, or feedback, please feel free to reach out at:

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Top View



Side View

