

## McIntosh MC2000 Stereo Power Amplifier LED Modification Kit Installation Instructions

1. Disconnect all interconnects, speaker cables, and power cable from the amplifier.
2. Place the amplifier on a carpeted surface.
3. Due to the weight of the amplifier, it is recommended that you get a friend to help you.
4. Remove the meter switch knob and power switch knob, by pulling straight out on them, and remove the felt washers.
5. Remove the three screws on either side of the front panel that attach it to the chassis as shown in figure 1. Pull the front panel toward you using the handles. Set it aside in a safe place. The gold trim around the meters should stay in place.
6. Lift straight up on the gold meter trim with the black meter shroud attached and set it aside.
7. Roll the amplifier over on its left side, and using a book about  $\frac{3}{4}$ " thick, under the left side power transformer, prop the amp up on its side.
8. Remove the screws that secure the bottom cover to the chassis as shown in figure 2.
9. On each of the amplifier boards there is a 6 pin connector, J2. Remove this connector on both the left and right amplifier boards. See figure 3.
10. There is a five conductor bundle of wires that is routed from the meter area around the right side (top side, as the amp sits on its left side) to the power supply board, where it connects to J9. This is near the stand-by power transformer. Remove this connector and re-route the wire back to the front of the amplifier. Be careful when removing the wires from the two nylon wire clamps on the side of the amp.
11. With the two included spacers, roll the amplifier to its upright position, with the wooden spacers placed near the front of the chassis.
12. Remove the four screws as shown in figure 4, and remove the meter panel by pulling it out towards you. If there are any wires hanging up, replace the four screws and turn the amp back on its side and release the wires.
13. Lay the meter panel face down on a cushioned surface to protect the protruding switch shafts.
14. In center of the bottom portion of the meter panel there are six connectors that attach to the circuit board on the front of the panel. Mark these six connectors as to their position, as you are going to be attaching them to the new board in the kit in the same positions as they are on this board. We have found that using a SHARPIE marker is the best. After you have marked the connectors, remove them. See figure 5.
15. Remove the four pin connectors from the long circuit board that is attached to the top of each of the left and right meter shrouds. You can also remove the circuit boards from meter shrouds by prying them away from the shroud with a small screwdriver.
16. Attach the new meter lamp boards to the shrouds at this time.
17. Remove the connectors that attach to the left and right panel-illuminating circuit boards at this time. The same procedure is used for the left and right sides. See figure 6.
18. There is a circuit board attached to the back of each of the meters. With a #1 Philips screwdriver, remove the two screws that attach the boards to the backs of the meters and lift them both straight up at the same time. Carefully set them aside.
19. Using a  $\frac{5}{16}$ " nut driver, remove the two nuts that hold each of the meter shrouds to the rear of the meters. Lift the shrouds straight up.
20. Remove the blue filters from the backs of the meters and replace them with the new ones supplied in the kit.
21. Re-install the meter shrouds. Be careful not to over tighten the nuts.

22. Re-install the circuit boards on the backs of the meters. Be very careful that you do not pinch any of the wires between the meters and the boards, and be very careful not to over tighten the screws or you will damage the meters.
23. At this time you can replace the left and right panel illuminating boards. Make sure that the insulator is in between the circuit board and the meter panel.
24. You can also replace the center illuminating board at this time. There is no insulator used for this board.
25. You can now reconnect the wires to the meter and panel illuminating boards.
26. Very carefully, lift the meter panel back into position and attach it with the four screws that were removed in step 12.
27. Re-position the gold meter trim to upright brackets on the front of the chassis.
28. **VERY CAREFULLY**, position the front panel to the upright brackets by pushing it straight toward the front of the amplifier. Do not push the gold meter trim back when positioning the front panel as you might scratch it.
29. Replace the six screws that attach the front panel to the chassis and the upright brackets. The two top screws on each side are also used to fasten the gold meter trim, so you must make sure that the holes in the front panel, meter trim, and chassis all line up before trying to install the screws. Make sure that all six screws are in place before tightening any of them.
30. You may now turn the amp back on its side as before, using a book about 3/4" under the left power transformer to keep it level.
31. Re-attach the connectors to the left and right amplifier circuit boards at J2.
32. Re-rout the five wire bundle that was removed earlier, back into its original position and re-connect to J9 on the power supply board. Make sure that the bundle is re-installed in the nylon cable clamps.
33. Re-check all of your connections and make sure that they are secure.
34. You're almost home.
35. Replace the bottom plate using the screws that you have left. After the bottom is attached, you should have no more screws left. If you do, check around the amp. You may have to do some disassembly to find it. There are no unused screws left in this modification.
36. Now that you're finished with the modification. Sit back, relax, and Enjoy the Music!

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