

AC-4-PCB-1 Assembly & installation Instructions

first of all you will need 4 #6 screws and 12 nuts, 2 nuts on each screw to serve as standoffs and the other one on each screw to secure the board. Remove all of the old caps and barrier strips, noting the colors of the wires and where they go in case they don't match the ones in the wiring diagram. Once you have completed this step. Place the board in the bottom of the chassis, traces facing you noting the notch for the fuse holder, before you populate it and drill the 4 mounting holes. If you bought the fully assembled board use the board diagram as a stencil to mark the mounting holes. Once you have completed this step insert the 4 mounting screws in the chassis and install 2 of the nuts on each screw and tighten. Now populate the board using the board diagram to see where everything goes and which way it goes. If you bought the fully assembled board skip this step. Now install the board in the chassis, pulling all of the wires up through their matching holes, the caps will all fit up the holes where the original caps were mounted. Then reconnect all of the wires using the wiring diagram. You may have to remove the fuse holder long enough to install the board, and use the smallest diameter that you can find, as larger ones may not fit through the holes.

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AC-4-PCB-1 Bill of Materials

#	RefDes	Value	Quantity
1	C6, C7, C11, C12	.01uf @ 1kv	4
2	C1, C2	150uf @ 450volts	2
3	C3	100uf @ 160volts	1
4	C4A, C4B	100uf @ 350volts	2
5	C5A, C5B	47uf @ 160volts	2
6	D1, D2, D3, D4, D5, D6, D7	1N5408	7
7	R1, R2, R4	220k @ 2watts	3
8	R3	100 ohm @ 5watts	1
9	R5	10k @ 2wattt	1
10	R6 Use original don't remove unless bad	10k Bias Pot	1
11	R7	6.8k @ 2watts	1
12	L1, L2 you can reuse originals	8uh	2

Without Switch (SW1)



