



ADA MP-1
MOD₄ Mark II

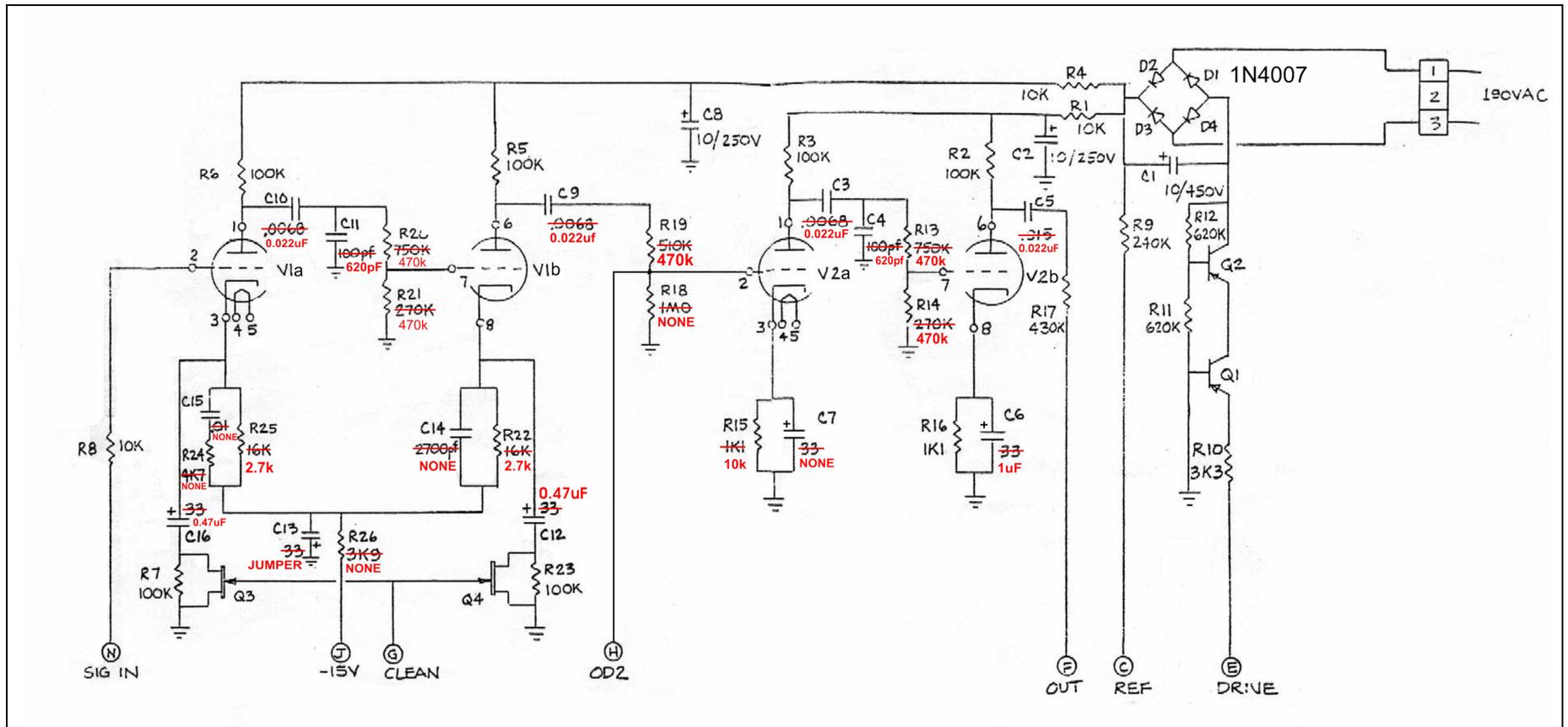
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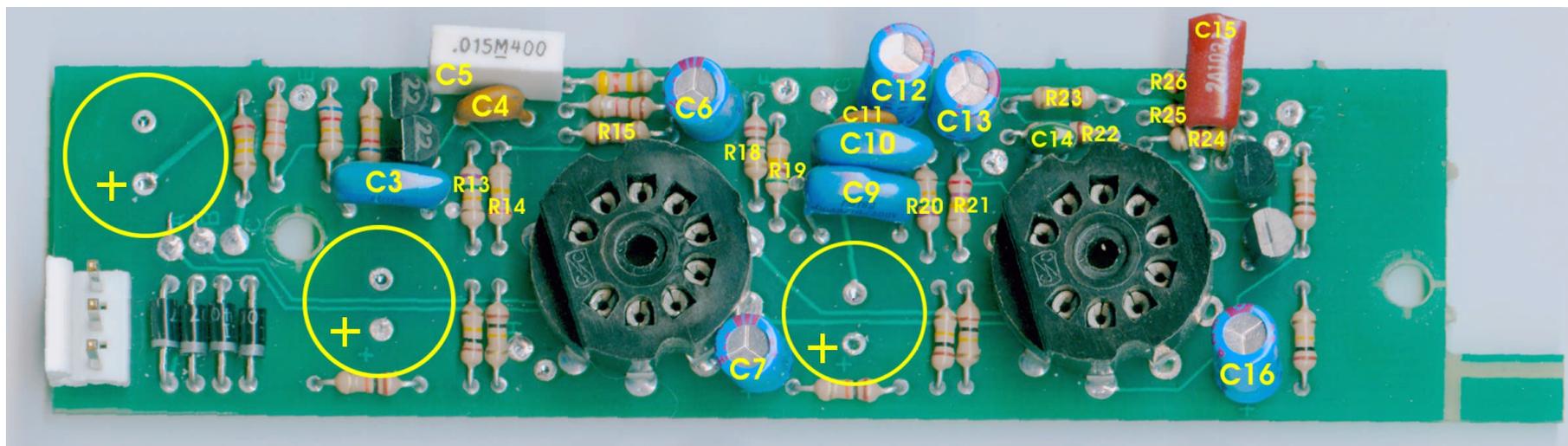
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MP-1 MOD4 Mark II Schematic



MP-1 MOD4 Mark II Loading Chart



Resistors:

Stock	MOD4
R13 > 750k	470k
R14 > 270k	470k
R15 > 1.1k	10k
R18 > 1M	NONE
R19 > 510k	470k
R20 > 750k	470k
R21 > 270k	470k
R22 > 16k	2.7k
R24 > 4.7k	NONE
R25 > 16k	2.7k
R26 > 3.9k	NONE

Capacitors:

Stock	MOD4
C3 > 0.0068 μ F/200V	0.022 μ F/200V Min
C4 > 100pF/1kV	620pF/200V Min
C5 > 0.015 μ F/200V	0.022 μ F/200V Min
C6 > 33 μ F/50V (Radial)	1 μ F/25V Min (Radial)
C7 > 33 μ F/50V (Radial)	NONE
C9 > 0.0068 μ F/200V	0.022 μ F/200V Min
C10 > 0.0068 μ F/200V	0.022 μ F/200V Min
C11 > 100pF/1kV	620pF/200V Min
C12 > 33 μ F/50V (Radial)	0.47 μ F/25V Min (Radial)
C13 > 33 μ F/50V (Radial)	Jumper
C14 > 2700pF (0.0027 μ F) 100V	NONE
C15 > 0.01 μ F/100V	NONE
C16 > 33 μ F/50V (Radial)	0.47 μ F/25V Min (Radial)

MP-1 MOD4 Mark II Parts List

All replacement components can be obtained from Mouser Electronics

<http://www.mouser.com>

Please Note:

The parts listed here are the fully tested and recommended components. As always, you can safely substitute components with different composition, tolerance, etc, just be sure the part meets the minimum voltage requirement.

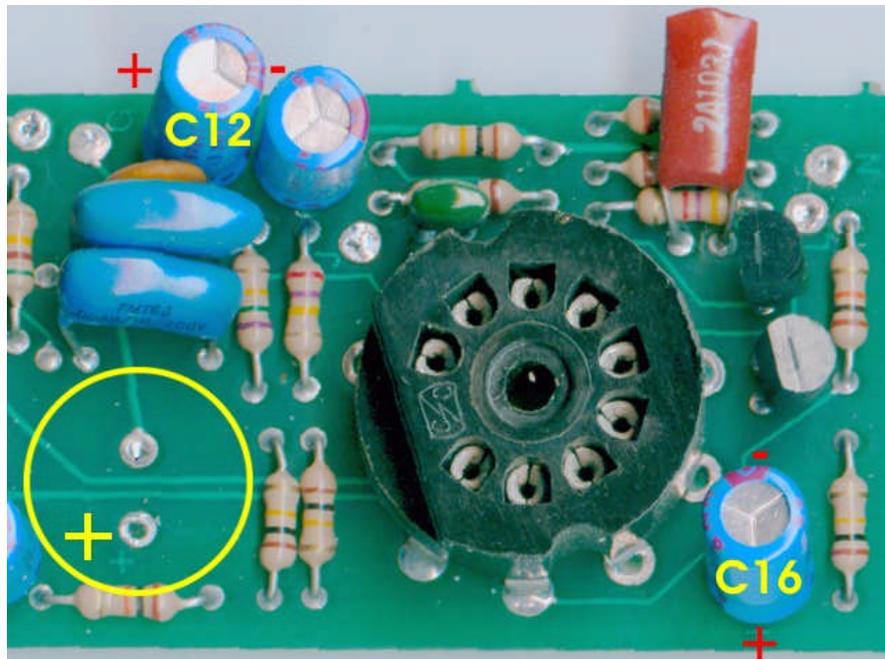
Quantity	Value/Description	Mouser Part #
5	470k 1/2W 1% Metal Film Resistor	273-470k
1	10k 1/4W 1% Metal Film Resistor	271-10k
2	2.7k 1/4W 1% Metal Film Resistor	271-2.7k
4	0.022 μ F 400V "Orange Drop" Polypropylene Film Capacitor	75-715P400V0.022
2	620pF 300V Silver Mica Capacitor	5982-15-300V620
2	0.47 μ F 100V Radial Electrolytic Capacitor	140-HTRL100V.47
1	1 μ F 100V Radial Electrolytic Capacitor	140-HTRL100V1.0

Miscellaneous

Orientation of C12 and C16 in the new MOD4 circuit

In this new configuration, the electrolytic caps **C12** and **C16** on the cathode of **V1a** and **V1b** must be oriented the opposite way as the stock caps were originally loaded.

Stock



MOD4

