

NES Mainboard (NTSC)

Capacitor Guide

Capacitors play a crucial role in maintaining a steady flow of current to other components. With a typical lifespan of 20–30 years—and considering the age of most NES consoles—the original capacitors have likely reached or exceeded their expected service life. For optimal performance and reliability, replacing them is strongly recommended.

When installing new capacitors, be sure to observe the correct polarity. The longer lead indicates the positive side, which corresponds to the "+" symbol in the diagram.

Capacitor	Location
1uF 50v	C23
100uF 6.3v	C1
2.2uF 50v	C9

Board Layout



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